

**Emulation of the STEP-HFpEF DM Heart Failure Trial in Healthcare
Claims Data**

NCT06914102

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1. Title Page

Title	Emulation of the STEP-HFpEF DM Heart Failure Trial in Healthcare Claims Data
Research question & Objectives	The STEP-HFpEF DM trial included an evaluation of the effect of semaglutide vs placebo on all-cause mortality or worsening heart failure events among individuals with heart failure with preserved ejection fraction.
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Study registration	Site: ClinicalTrials.gov Identifier: NCT06914102
Sponsor	Organization: N/A Contact: N/A
Conflict of interest	Dr. Krüger has no conflict of interest. Dr. Wang has consulted for Cytel Incs, Exponent Inc, and MITRE an FFRDC for Centers for Medicare and Medicaid for unrelated work.

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2. Abstract

This is a non-randomized, non-interventional study that is part of the *Randomized Controlled Trials Duplicated Using Prospective Longitudinal Insurance Claims: Applying Techniques of Epidemiology* (RCT-DUPLICATE) initiative (www.rctduplicate.org) of the Brigham and Women's Hospital, Harvard Medical School. It is intended to emulate, as closely as is possible in healthcare insurance claims data, the SUMMIT trial described below. Although many features of the trial cannot be directly replicated in healthcare claims, key design features, including outcomes, exposures, and inclusion/exclusion criteria, were selected to proxy those features from the trial. In addition to closely emulating the trial population, this study also evaluates outcomes in a broader, less restrictive cohort to enhance generalizability to patients typically encountered in routine clinical practice. Randomization cannot be achieved in healthcare claims data but was proxied through a statistical balancing of measured covariates according to standard practice. Investigators assume that the RCT provides guidance on the reference standard treatment effect estimate. However, failure to replicate RCT findings is not necessarily indicative of the inadequacy of the healthcare claims data for emulation for a range of possible reasons, as the end points examined in the database study were only of exploratory nature in the trial. Moreover, divergence from these end points do not provide information on the validity of the original RCT finding.

The STEP-HFpEF DM trial is a superiority trial that included an evaluation of the effect of semaglutide, a glucagon-like peptide-1 receptor agonist (GLP-1-RA), vs placebo on all-cause mortality or worsening heart failure events among individuals with heart failure with preserved ejection fraction.

The database study designed to emulate STEP-HFpEF DM will be a new-user active-comparative study, conducted using 3 national United States claims databases, where we compare the effect of semaglutide vs sitagliptin, a dipeptidyl peptidase-4 inhibitor (DPP4i) on the composite end point of all-cause mortality or heart failure hospitalization. While the STEP-HFpEF DM trial compared semaglutide vs placebo, we chose to use sitagliptin as an active-comparator proxy for placebo. Sitagliptin was specifically chosen because a major randomized controlled trial on cardiovascular outcomes demonstrated that the drug does not affect the cardiovascular outcomes under investigation. Furthermore, clinical guidelines during the study period recommended both drug classes under investigation as second- or third-line options for glucose lowering and were similarly costly.

The study will use three data sources: Optum Clinformatics, Merative Marketscan, and Medicare.

Optum: Study period between January 1, 2018 to November 30, 2024.

Marketscan: Study period between January 1, 2018 to December 31, 2023.

Medicare: Study period between January 1, 2018 to December 31, 2020.

3. Amendments and updates

Version date	Version number	Section of protocol	Amendment or update	Reason

4. Rationale and background

The purpose of this protocol is to specify the emulation of the STEP-HFpEF DM trial (NCT04916470). Injectable semaglutide became available on December 5, 2017.¹ On January 16, 2020, the approval was expanded to include cardiovascular risk reduction in adults with Type 2 diabetes and known heart disease. On March 28, 2022, Novo Nordisk received FDA approval for a higher-dose Ozempic (2 mg) to provide improved glycemic control for adults with Type 2 diabetes. Meanwhile, Wegovy (semaglutide) received its first FDA approval on June 4, 2021, for the treatment of obesity in adults. On December 23, 2022, the approval was extended to include teenagers aged 12 and older. Later, on March 8, 2024, Wegovy was additionally approved for cardiovascular risk reduction in people with overweight or obesity and established cardiovascular disease. Most recently, on January 28, 2025, Ozempic became the first and only GLP-1 receptor agonist (RA) approved to reduce the risk of worsening kidney disease and cardiovascular death in adults with Type 2 diabetes and chronic kidney disease.

The STEP-HFpEF DM trial enrolled 617 participants between June 15, 2021 – August 19, 2022. The trial had a follow-up period of 52 weeks with 13 (4.2%) composite events occurring in the treatment group compared to 28 (9.2%) composite events of all-cause mortality or worsening heart failure events (exacerbated symptoms of heart failure resulting in hospitalization, intravenous diuretic therapy in an urgent care setting) occurring in the placebo group. The trial was not powered for this exploratory end point. It was conducted with 90% power for its first primary end point of change in the KCCQ-CSS and more than 99% power for the second primary end point of change in body weight, assuming a mean difference of ~4.1 points in the KCCQ-CSS and ~9.9% in body weight between the 2 treatment groups and a 0.05 type I error rate to confirm superiority.

Sitagliptin was specifically chosen as an active comparator that could proxy for placebo because a major randomized controlled trial on cardiovascular outcomes demonstrated that it does not affect the cardiovascular outcomes under investigation.² This contrasts with other DPP4i such as saxagliptin, which has raised concerns regarding potential increased risks of heart failure,³⁻⁶ and linagliptin, which is commonly prescribed for patients with renal impairment because it does not require dose modifications based on kidney function, potentially leading to increased confounding compared to sitagliptin.^{7,8} Sodium-glucose Cotransporter-2 (SGLT2) inhibitors would not be a neutral comparator, as they significantly reduce clinically important kidney events, kidney failure, and cardiovascular events.⁹⁻¹² Sulfonylureas (SUs), though inexpensive and widely used, are a poor comparator in cardiovascular outcome studies due to their association with hypoglycemia, weight gain, and channeling bias, as they are often prescribed to elderly, lower socioeconomic status patients with higher baseline cardiovascular risk, making direct comparisons to GLP-1-RAs less reliable.¹³

5. Research question and objectives

Table 2. Primary and secondary research questions and objectives

A. Co-primary research questions and objectives

Objective:	To evaluate the comparative effect of semaglutide vs sitagliptin on all-cause mortality or heart failure hospitalization in patients with heart failure with preserved ejection fraction when following the eligibility criteria of the STEP-HFpEF DM trial.
Hypothesis:	We hypothesize that semaglutide will be superior to sitagliptin in individuals with heart failure with preserved ejection fraction at preventing all-cause mortality or heart failure hospitalization.
Population (mention key inclusion-exclusion criteria):	Individuals aged 18 years or older with heart failure with preserved ejection fraction when following the eligibility criteria of the STEP-HFpEF DM trial.
Exposure:	Semaglutide.
Comparator:	Sitagliptin.
Outcome:	Composite of all-cause mortality or heart failure hospitalization.
Time (when follow-up begins and ends):	1 day after cohort entry date until the first of outcome, disenrollment, end of study period, discontinuation (45 days grace and risk window), switch between the arms, start of any other GLP-1-RA.
Setting:	The outcome will be measured from inpatient hospitalizations and death.
Main measure of effect:	Hazard ratio.

Objective:	To evaluate the comparative effect of semaglutide vs sitagliptin on all-cause mortality or heart failure hospitalization in patients with heart failure with preserved ejection fraction when relaxing the eligibility criteria of the STEP-HFpEF DM trial.
Hypothesis:	We hypothesize that semaglutide will be superior to sitagliptin in individuals with heart failure with preserved ejection fraction at preventing all-cause mortality or heart failure hospitalization.
Population (mention key inclusion-exclusion criteria):	Individuals aged 18 years or older with heart failure with preserved ejection fraction when relaxing the eligibility criteria of the STEP-HFpEF DM trial (e.g., including patients with previous cardiovascular events, dyspnoea-related diagnoses, etc., to reflect a broader patient population from routine care).
Exposure:	Semaglutide.

Comparator:	Sitagliptin.
Outcome:	Composite of all-cause mortality or heart failure hospitalization.
Time (when follow-up begins and ends):	1 day after cohort entry date until the first of outcome, disenrollment, end of study period, discontinuation (45 days grace and risk window), switch between the arms, start of any other GLP-1-RA.
Setting:	The outcomes will be measured from inpatient hospitalizations, intravenous diuretic therapy in an outpatient setting, and death.
Main measure of effect:	Hazard ratio.

B. Secondary research questions and objectives

Objective:	To evaluate the comparative effect of semaglutide vs sitagliptin on all-cause mortality or worsening heart failure events with heart failure with preserved ejection fraction in two populations: (1) patients meeting the eligibility criteria of the STEP-HFpEF DM trial, and (2) a broader patient population when relaxing the eligibility criteria of the STEP-HFpEF DM trial.
Hypothesis:	We hypothesize that semaglutide will be superior to sitagliptin in individuals with heart failure with preserved ejection fraction at preventing all-cause mortality or worsening heart failure events.
Population (mention key inclusion-exclusion criteria):	Two populations: (1) individuals aged 18 years or older with heart failure with preserved ejection fraction meeting the strict eligibility criteria of the STEP-HFpEF DM trial; and (2) individuals aged 18 years or older with heart failure with preserved ejection fraction identified using relaxed eligibility criteria of the STEP-HFpEF DM trial (e.g., including patients with prior cardiovascular events, dyspnea-related diagnoses, or other comorbidities) to represent a broader patient population encountered in routine clinical practice.
Exposure:	Semaglutide.
Comparator:	Sitagliptin.
Outcome:	Composite of all-cause mortality or a worsening heart failure event (exacerbated symptoms of heart failure resulting in hospitalization, intravenous diuretic therapy in an urgent care setting), and its respective individual end points.
Time (when follow-up begins and ends):	1 day after cohort entry date until the first of outcome, disenrollment, end of study period, discontinuation (45 days grace and risk window), switch between the arms, start of any other GLP-1-RA.
Setting:	The outcome will be measured from inpatient hospitalizations, intravenous diuretic therapy in an outpatient setting, and death.
Main measure of effect:	Hazard ratio.

Objective:	To evaluate the comparative effect of semaglutide vs sitagliptin on the safety outcome of urinary tract infections in two populations: (1) patients meeting the eligibility criteria of the STEP-HFpEF DM trial, and (2) a broader patient population when relaxing the eligibility criteria of the STEP-HFpEF DM trial.
Hypothesis:	We hypothesize that semaglutide will not have a different effect from sitagliptin.
Population (mention key inclusion-exclusion criteria):	Two populations: (1) individuals aged 18 years or older with heart failure with preserved ejection fraction meeting the strict eligibility criteria of the STEP-HFpEF DM trial; and (2) individuals aged 18 years or older with heart failure with preserved ejection fraction identified using relaxed eligibility criteria of the STEP-HFpEF DM trial (e.g., including patients with prior cardiovascular events, dyspnea-related diagnoses, or other comorbidities) to represent a broader patient population encountered in routine clinical practice.
Exposure:	Semaglutide.
Comparator:	Sitagliptin.
Outcome:	Urinary tract infections.
Time (when follow-up begins and ends):	1 day after cohort entry date until the first of outcome, disenrollment, end of study period, discontinuation (45 days grace and risk window), switch between the arms, start of any other GLP-1-RA.
Setting:	The outcome will be measured using diagnosis codes in an inpatient or outpatient setting that are followed by a antibiotic prescription within 7 days of the diagnosis code.
Main measure of effect:	Hazard ratio.

Objective:	To evaluate the comparative effect of semaglutide vs sitagliptin on the safety outcome of serious bacterial infections in two populations: (1) patients meeting the eligibility criteria of the STEP-HFpEF DM trial, and (2) a broader patient population when relaxing the eligibility criteria of the STEP-HFpEF DM trial.
Hypothesis:	We hypothesize that semaglutide will not have a different effect from sitagliptin.
Population (mention key inclusion-exclusion criteria):	Two populations: (1) individuals aged 18 years or older with heart failure with preserved ejection fraction meeting the strict eligibility criteria of the STEP-HFpEF DM trial; and (2) individuals aged 18 years or older with heart failure with preserved ejection fraction identified using relaxed eligibility criteria of the STEP-HFpEF DM trial (e.g., including patients with prior cardiovascular events, dyspnea-related diagnoses, or other comorbidities) to represent a broader patient population encountered in routine clinical practice.
Exposure:	Semaglutide.
Comparator:	Sitagliptin.
Outcome:	Serious bacterial infections.

Time (when follow-up begins and ends):	1 day after cohort entry date until the first of outcome, disenrollment, end of study period, discontinuation (45 days grace and risk window), switch between the arms, start of any other GLP-1-RA.
Setting:	The outcome will be measured using primary diagnosis codes in an inpatient setting.
Main measure of effect:	Hazard ratio.

Objective:	To evaluate the comparative effect of semaglutide vs sitagliptin on the safety outcome of gastrointestinal adverse events in two populations: (1) patients meeting the eligibility criteria of the STEP-HFpEF DM trial, and (2) a broader patient population when relaxing the eligibility criteria of the STEP-HFpEF DM trial.
Hypothesis:	We hypothesize that semaglutide will have more events compared to sitagliptin.
Population (mention key inclusion-exclusion criteria):	Two populations: (1) individuals aged 18 years or older with heart failure with preserved ejection fraction meeting the strict eligibility criteria of the STEP-HFpEF DM trial; and (2) individuals aged 18 years or older with heart failure with preserved ejection fraction identified using relaxed eligibility criteria of the STEP-HFpEF DM trial (e.g., including patients with prior cardiovascular events, dyspnea-related diagnoses, or other comorbidities) to represent a broader patient population encountered in routine clinical practice.
Exposure:	Semaglutide.
Comparator:	Sitagliptin.
Outcome:	Gastrointestinal adverse events.
Time (when follow-up begins and ends):	1 day after cohort entry date until the first of outcome, disenrollment, end of study period, discontinuation (45 days grace and risk window), switch between the arms, start of any other GLP-1-RA.
Setting:	The outcome will be measured using diagnosis codes in an inpatient and outpatient setting.
Main measure of effect:	Hazard ratio.

Objective:	To evaluate the effect of semaglutide vs sitagliptin on a negative control outcome of hernia in two populations: (1) patients meeting the eligibility criteria of the STEP-HFpEF DM trial, and (2) a broader patient population when relaxing the eligibility criteria of the STEP-HFpEF DM trial.
Hypothesis:	We hypothesize that semaglutide will not have a different effect from sitagliptin.
Population (mention key inclusion-exclusion criteria):	Two populations: (1) individuals aged 18 years or older with heart failure with preserved ejection fraction meeting the strict eligibility criteria of the STEP-HFpEF DM trial; and (2)

	individuals aged 18 years or older with heart failure with preserved ejection fraction identified using relaxed eligibility criteria of the STEP-HFpEF DM trial (e.g., including patients with prior cardiovascular events, dyspnea-related diagnoses, or other comorbidities) to represent a broader patient population encountered in routine clinical practice.
Exposure:	Semaglutide.
Comparator:	Sitagliptin.
Outcome:	Hernia (excluding patients with recent outcome prior to the follow-up time window (30 days)).
Time (when follow-up begins and ends):	1 day after cohort entry date until the first of outcome, disenrollment, end of study period, discontinuation (45 days grace and risk window), switch between the arms, start of any other GLP-1-RA.
Setting:	The outcome will be measured using diagnosis codes in an inpatient or outpatient setting.
Main measure of effect:	Hazard ratio.

Objective:	To evaluate the effect of semaglutide vs sitagliptin on a negative control outcome of lumbar radiculopathy in two populations: (1) patients meeting the eligibility criteria of the STEP-HFpEF DM trial, and (2) a broader patient population when relaxing the eligibility criteria of the STEP-HFpEF DM trial.
Hypothesis:	We hypothesize that semaglutide will not have a different effect from sitagliptin.
Population (mention key inclusion-exclusion criteria):	Two populations: (1) individuals aged 18 years or older with heart failure with preserved ejection fraction meeting the strict eligibility criteria of the STEP-HFpEF DM trial; and (2) individuals aged 18 years or older with heart failure with preserved ejection fraction identified using relaxed eligibility criteria of the STEP-HFpEF DM trial (e.g., including patients with prior cardiovascular events, dyspnea-related diagnoses, or other comorbidities) to represent a broader patient population encountered in routine clinical practice.
Exposure:	Semaglutide.
Comparator:	Sitagliptin.
Outcome:	Lumbar radiculopathy (excluding patients with recent outcome prior to the follow-up time window (30 days)).
Time (when follow-up begins and ends):	1 day after cohort entry date until the first of outcome, disenrollment, end of study period, discontinuation (45 days grace and risk window), switch between the arms, start of any other GLP-1-RA.

Setting:	The outcome will be measured using diagnosis codes in an inpatient or outpatient setting.
Main measure of effect:	Hazard ratio.

6. Research methods

6.1 Study design

Research design (e.g. cohort, case-control, etc.): New user active-comparator cohort study.

Rationale for study design choice: The new user active-comparator design is a powerful design that may be able to address confounding by indication. It accomplishes this, in large part, through judicious selection of an appropriate active-comparator group.^{14,15} While selection of an appropriate comparator in the design phase is crucial, cohort studies often require additional adjustment of measurable confounders. A common method for adjusting for confounding is via a propensity score.

6.2 Study design diagrams when following the eligibility criteria of the STEP-HFpEF DM trial (Figure 1) and when relaxing the eligibility criteria of the STEP-HFpEF DM trial (Figure 2).

Figure 1. Exposure-based cohort entry where the cohort entry date is selected after application of exclusion criteria

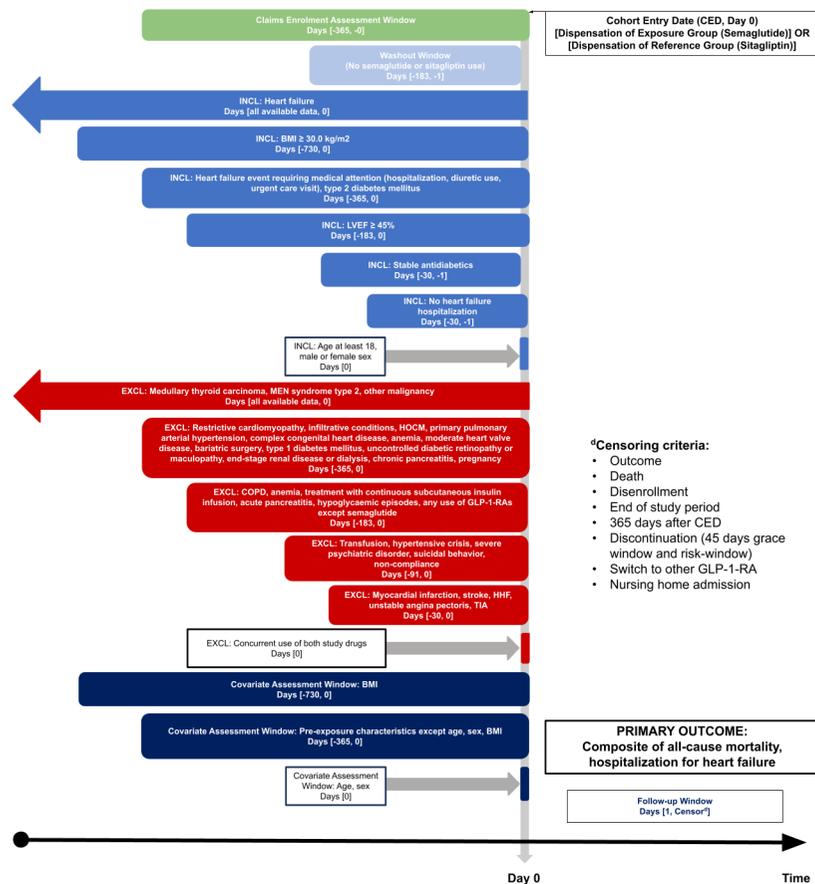
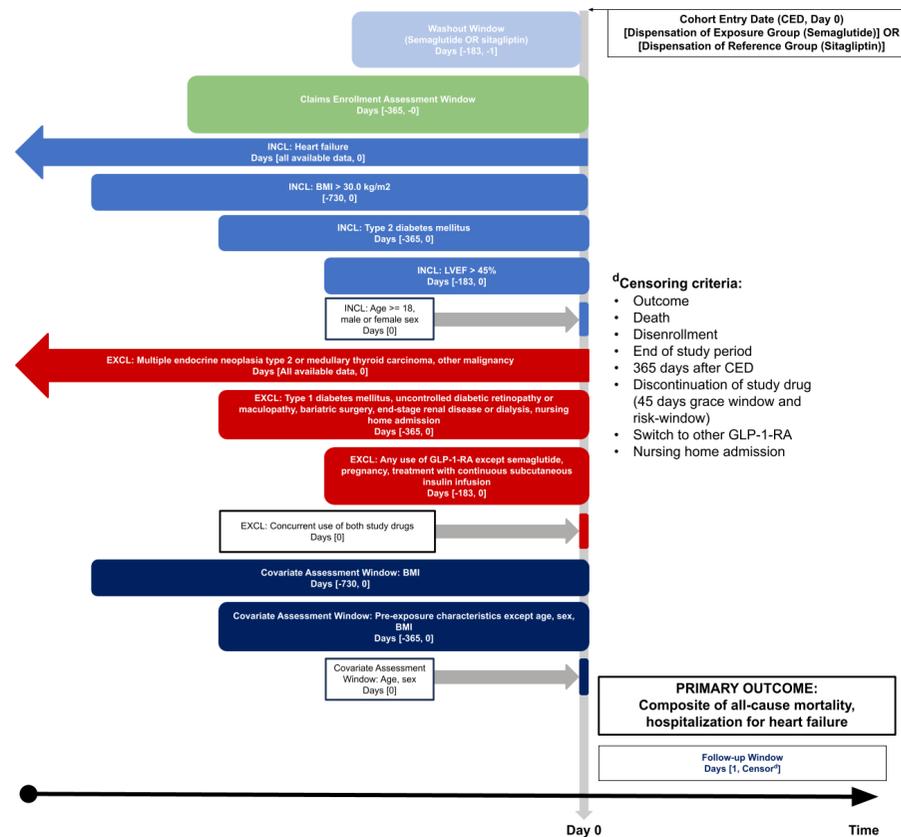


Figure 2. Exposure-based cohort entry where the cohort entry date is selected after application of exclusion criteria



6.3 Setting

6.3.1 Context and rationale for definition of time 0 (and other primary time anchors) for entry to the study population

Time 0 in the database study was defined to emulate randomization to semaglutide or sitagliptin in the trial design. See appendix tables 1^{strict, relaxed} and 2a^{strict, relaxed} for operational definitions and detailed code algorithms.

6.3.2 Context and rationale for study inclusion criteria:

Study inclusion criteria were defined to either emulate the inclusion criteria for the trial (strict), or broadened to reflect clinical routine care settings (relaxed). See appendix tables 1^{strict, relaxed} and 2^{strict, relaxed} for operational definitions and detailed code algorithms. A flowchart of the study cohort assembly is provided in appendices 3^{strict, relaxed}.

6.3.3 Context and rationale for study exclusion criteria

Study exclusion criteria were defined to either emulate the exclusion criteria for the trial (strict), or broadened to reflect clinical routine care settings (relaxed). See appendix tables 1^{strict, relaxed} and 2^{strict, relaxed} for operational definitions and detailed code algorithms. A flowchart of the study cohort assembly is provided in appendices 3^{strict, relaxed}.

6.4 Variables

6.4.1 Context and rationale for exposure(s) of interest

The exposure and comparator were defined to emulate the agents compared for the trial, semaglutide vs sitagliptin (active-comparator placebo proxy). See appendix tables 1^{strict, relaxed} and 2^{strict, relaxed} for operational definitions and detailed code algorithms.

Algorithm to define duration of exposure effect:

Assuming the effect of the drug lasts for 45 days after the last day's supply, we allow a 45 days gap between the dispensation (grace period) and also add 45 days at the end of the last day's supply (exposure risk window).

6.4.2 Context and rationale for outcome(s) of interest

The secondary outcome for the database study was defined to benchmark to the composite end point of all-cause mortality or worsening heart failure events in the STEP-HFpEF DM trial. See appendix tables 1^{strict, relaxed} and 2d^{strict, relaxed} for operational definitions and detailed code algorithms. Optum includes death information from the inpatient discharged dead status, social security death master file, and deaths scraped from obituaries or other sources. MarketScan includes information from the inpatient discharged dead status up until 2016. Medicare includes information from the inpatient discharged dead status, NDI cause of death, and social security death master file. PPV for heart failure diagnosis using ICD9 codes was 87% and for HHF 98%.^{16,17}

Secondary outcomes from the trial that will be explored – recognizing they will be underpowered – to understand what drives the effect estimates of the primary end point include:

1. Composite of all-cause mortality or a worsening heart failure event (exacerbated symptoms of heart failure resulting in hospitalization, intravenous diuretic therapy in an urgent care setting).
2. Worsening heart failure event (exacerbated symptoms of heart failure resulting in hospitalization or intravenous diuretic therapy in an urgent care setting).
3. Intravenous diuretic therapy in an urgent care setting.
4. Hospitalization for heart failure.
5. All-cause mortality.

Safety outcomes of interest include:

1. Urinary tract infections.
2. Serious bacterial infections.
3. Gastrointestinal adverse events.

Control outcomes of interest include:

1. Hernia (excluding patients with recent outcome prior to the follow-up time window). This is a negative control outcome where no difference in effect is expected for semaglutide vs sitagliptin.
2. Lumbar radiculopathy (excluding patients with recent outcome prior to the follow-up time window). This is a negative control outcome where no difference in effect is expected for semaglutide vs sitagliptin.

6.4.3 Context and rationale for follow-up

Both on-treatment (OT) and intention-to-treat (ITT) analyses will be conducted. Adherence in clinical practice databases is expected to be much worse than in the trial, therefore the OT analysis will be the primary analysis. The OT analysis targets the relative hazard of outcomes while on treatment and may more closely emulate the effect observed in highly adherent trial participants. Both OT and ITT will be conducted at 1-year follow-up and compared to the hazard ratio of cumulative incidence rates observed in the trial.

Table 1. Operational Definitions of follow-up

follow-up start	Day 1	
follow-up end¹	Select all that apply	Specify
Date of outcome	Yes	
Date of death	Yes	Part of the primary outcome.
End of observation in data	Yes	Date of disenrollment.
Day X following index date (specify day)	Yes	Day 365.
End of study period (specify date)	Yes	Different dates for different databases (Optum: November 30, 2024; Marketscan: December 31, 2023; Medicare: December 31, 2020).
End of exposure (specify operational details, e.g. stockpiling algorithm, grace period)	Yes	45 days grace window and 45 days risk window.
Date of add to/switch from exposure (specify algorithm)	Yes	Date of augmentation or switching from an exposure to a comparator and vice versa.
Other date (specify)	Yes	Censor upon starting any other GLP-1-RA.

¹ follow-up ends at the first occurrence of any of the selected criteria that end follow-up.

6.4.4 Context and rationale for covariates (confounding variables and effect modifiers, e.g. risk factors, comorbidities, comedICATIONS)

We identified a series of covariates that were likely confounders due to being strong risk factors for the primary outcome that were associated with choice of treatment. These include demographics, disease severity related variables, comorbid conditions, comedICATIONS, frailty, healthcare utilization and markers of health seeking behaviour.

Table 2. Operational Definitions of Covariates

Characteristics	Details	Type of variable	Assessment window	Care Settings ¹	Code Type ²	Diagnosis Position ³	Applied to study populations:	Measurement characteristics / validation	Source for algorithm
Demographics									
Age	Cohort entry year – year of birth, (last observed value in the baseline)	Continuous	[0, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	n/a
Gender	Male, Female (last observed value in the baseline)	Categorical	[0, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	n/a
Race*	White, Black, Others/Unknown (last observed value in the baseline)	Categorical	[0, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	n/a
Region	Northeast, Midwest/Northern central, South, West (last observed value in the baseline)	Categorical	[0, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	n/a
Dual status / low income subsidy**		Binary	[0, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	n/a
Lifestyle risk factors									
Smoking / Tobacco use		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm

Characteristics	Details	Type of variable	Assessment window	Care Settings ¹	Code Type ²	Diagnosis Position ³	Applied to study populations:	Measurement characteristics / validation	Source for algorithm
Class 1 (low-risk) obesity, if BMI is 30.0 to 34.9		Binary	[-730, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Class 2 (moderate-risk) obesity, if BMI is 35.0 to 39.9		Binary	[-730, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Class 3 (high-risk) obesity if BMI is equal to or greater than 40		Binary	[-730, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Unspecified obesity		Binary	[-730, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Diabetes complications									
Diabetic retinopathy		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	
Diabetic neuropathy		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Diabetic nephropathy		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Diabetes with other ophthalmic complications		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm

Characteristics	Details	Type of variable	Assessment window	Care Settings ¹	Code Type ²	Diagnosis Position ³	Applied to study populations:	Measurement characteristics / validation	Source for algorithm
Diabetes with peripheral circulatory disorders		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Diabetic foot		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Erectile dysfunction		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Hypoglycemia		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Hyperglycemia/DKA/HONK		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Skin infections		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Cardiovascular-related conditions									
Stable and unstable angina		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm

Characteristics	Details	Type of variable	Assessment window	Care Settings ¹	Code Type ²	Diagnosis Position ³	Applied to study populations:	Measurement characteristics / validation	Source for algorithm
Hypertension		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Hypotension		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Hyperlipidemia		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Atrial fibrillation		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Myocardial infarction		Binary	[-365, 0]	Any	ICD-10-CM	Primary, Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Cardiac conduction disorder		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Previous cardiac procedure (CABG, PTCA, Stent)		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Ischemic stroke		Binary	[-365, 0]	Any	ICD-10-CM	Primary	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm

Characteristics	Details	Type of variable	Assessment window	Care Settings ¹	Code Type ²	Diagnosis Position ³	Applied to study populations:	Measurement characteristics / validation	Source for algorithm
PVD diagnosis or surgery		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Other cardiac dysrhythmia		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Cardiomyopathy		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Valve disorders		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Valve replacement***		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
TIA		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Edema		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Venous thromboembolism		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm

Characteristics	Details	Type of variable	Assessment window	Care Settings ¹	Code Type ²	Diagnosis Position ³	Applied to study populations:	Measurement characteristics / validation	Source for algorithm
Pulmonary hypertension		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Implantable cardioverter defibrillator		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Hyperkalemia		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Coronary atherosclerosis		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Cerebrovascular procedure		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Insertion of pacemakers / removal of cardiac lead		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Renal-related conditions									
CKD stage 1-2		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
CKD stage 3-4		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide	n/a	Appendix, Covariate – Algorithm

Characteristics	Details	Type of variable	Assessment window	Care Settings ¹	Code Type ²	Diagnosis Position ³	Applied to study populations:	Measurement characteristics / validation	Source for algorithm
							Reference: Sitagliptin		
Unspecified CKD		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Acute kidney injury		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Hypertensive nephropathy		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Urinary tract infections		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Genital infections		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Urolithiasis (kidney and urinary stones)		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Other comorbidities									
COPD		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm

Characteristics	Details	Type of variable	Assessment window	Care Settings ¹	Code Type ²	Diagnosis Position ³	Applied to study populations:	Measurement characteristics / validation	Source for algorithm
Asthma		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Obstructive sleep apnea		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Serious bacterial infections		Binary	[-365, 0]	Inpatient	ICD-10-CM	Primary	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Pneumonia		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Liver disease		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
MASH/MASLD		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Fractures / Falls		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Osteoporosis		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm

Characteristics	Details	Type of variable	Assessment window	Care Settings ¹	Code Type ²	Diagnosis Position ³	Applied to study populations:	Measurement characteristics / validation	Source for algorithm
Depression		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Dementia		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Delirium or psychosis		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Anemia		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Influenza		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Hyperthyroidism and other thyroid gland disorders		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Hypothyroidism		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Urinary incontinence		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm

Characteristics	Details	Type of variable	Assessment window	Care Settings ¹	Code Type ²	Diagnosis Position ³	Applied to study populations:	Measurement characteristics / validation	Source for algorithm
Biliary disease		Binary	[-365, 0]	Inpatient	ICD-10-CM	Primary	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Pancreatitis		Binary	[-365, 0]	Inpatient	ICD-10-CM	Primary	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Bowel obstruction		Binary	[-365, 0]	Inpatient	ICD-10-CM	Primary	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Gastroparesis		Binary	[-365, 0]	Any	ICD-10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Diabetes medications									
Metformin		Binary	[-365, 0]	n/a	generic	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Insulin		Binary	[-365, 0]	n/a	generic	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Sulfonylureas		Binary	[-365, 0]	n/a	generic	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
DPP4i (except sitagliptin)		Binary	[-365, 0]	n/a	generic	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm

Characteristics	Details	Type of variable	Assessment window	Care Settings ¹	Code Type ²	Diagnosis Position ³	Applied to study populations:	Measurement characteristics / validation	Source for algorithm
SGLT2i		Binary	[-365, 0]	n/a	generic	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Any use of other glucose-lowering drugs		Binary	[-365, 0]	n/a	generic	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Heart failure medications									
ACEi / ARB		Binary	[-365, 0]	n/a	generic	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
ARNI		Binary	[-365, 0]	n/a	generic	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Thiazides		Binary	[-365, 0]	n/a	generic	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Beta-Blockers		Binary	[-365, 0]	n/a	generic	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Calcium channel blockers		Binary	[-365, 0]	n/a	generic	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Digoxin / Digitoxin		Binary	[-365, 0]	n/a	generic	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm

Characteristics	Details	Type of variable	Assessment window	Care Settings ¹	Code Type ²	Diagnosis Position ³	Applied to study populations:	Measurement characteristics / validation	Source for algorithm
Loop diuretics		Binary	[-365, 0]	n/a	generic	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Other diuretics		Binary	[-365, 0]	n/a	generic	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Intravenous diuretics		Binary	[-365, 0]	n/a	generic	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Nitrates		Binary	[-365, 0]	n/a	generic	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Other medications									
Anti-arrhythmics		Binary	[-365, 0]	n/a	generic	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Statins		Binary	[-365, 0]	n/a	generic	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
PCSK9 inhibitors and other lipid-lowering drugs		Binary	[-365, 0]	n/a	generic	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm

Characteristics	Details	Type of variable	Assessment window	Care Settings ¹	Code Type ²	Diagnosis Position ³	Applied to study populations:	Measurement characteristics / validation	Source for algorithm
Antiplatelet agents		Binary	[-365, 0]	n/a	generic	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Oral anticoagulants		Binary	[-365, 0]	n/a	generic	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
COPD/Asthma medication		Binary	[-365, 0]	n/a	generic	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
NSAIDs		Binary	[-365, 0]	n/a	generic	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Oral corticosteroids		Binary	[-365, 0]	n/a	generic	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Osteoporosis agents (incl. bisphosphonates)		Binary	[-365, 0]	n/a	generic	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Opioids		Binary	[-365, 0]	n/a	generic	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Anti-depressants		Binary	[-365, 0]	n/a	generic	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm

Characteristics	Details	Type of variable	Assessment window	Care Settings ¹	Code Type ²	Diagnosis Position ³	Applied to study populations:	Measurement characteristics / validation	Source for algorithm
Antipsychotics		Binary	[-365, 0]	n/a	generic	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Anxiolytics/hypnotics, benzodiazepines		Binary	[-365, 0]	n/a	generic	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Urinary tract infections antibiotics		Binary	[-365, 0]	n/a	generic	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Laxatives		Binary	[-365, 0]	n/a	generic	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Healthcare utilization markers									
Number of distinct medications, median (iqr), mean (sd)		Continuous	[-365, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Number of emergency department visits, median (iqr), mean (sd)		Continuous	[-365, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Number of office visits, median (iqr), mean (sd)		Continuous	[-365, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm

Characteristics	Details	Type of variable	Assessment window	Care Settings ¹	Code Type ²	Diagnosis Position ³	Applied to study populations:	Measurement characteristics / validation	Source for algorithm
Number of endocrinologist visits, median (iqr), mean (sd)		Continuous	[-365, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Number of cardiologist visits, median (iqr), mean (sd)		Continuous	[-365, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Number of internal medicine/family medicine visits, median (iqr), mean (sd)		Continuous	[-365, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Number of Electrocardiograms, median (iqr), mean (sd)		Continuous	[-365, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Number of Echocardiograms, median (iqr), mean (sd)		Continuous	[-365, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Pharmacy out-of-pocket cost, median (iqr), mean (sd)		Continuous	[-365, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Unique brand medications, median (iqr), mean (sd) ^{****}		Continuous	[-365, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm

Characteristics	Details	Type of variable	Assessment window	Care Settings ¹	Code Type ²	Diagnosis Position ³	Applied to study populations:	Measurement characteristics / validation	Source for algorithm
Unique generic medications, median (iqr), mean (sd))****		Continuous	[-365, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Ratio of unique brand to generic medications, median (iqr), mean (sd)		Continuous	[-365, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Healthy behavior markers									
Colonoscopy / Sigmoidoscopy		Binary	[-365, 0]	Any	CPT/HCPCS	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Flu vaccine / Pneumococcal vaccine		Binary	[-365, 0]	Any	CPT/HCPCS	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Pap smear test		Binary	[-365, 0]	Any	CPT/HCPCS	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
PSA test		Binary	[-365, 0]	Any	CPT/HCPCS	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Fecal occult blood test		Binary	[-365, 0]	Any	CPT/HCPCS	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm

Characteristics	Details	Type of variable	Assessment window	Care Settings ¹	Code Type ²	Diagnosis Position ³	Applied to study populations:	Measurement characteristics / validation	Source for algorithm
Bone mineral density tests		Binary	[-365, 0]	Any	CPT/HCPCS	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Mammograms		Binary	[-365, 0]	Any	CPT/HCPCS	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Laboratory and diagnostic tests									
Number of HbA1c tests, median (iqr), mean (sd)		Continuous	[-365, 0]	Any	CPT/HCPCS	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Number of lipid panels, median (iqr), mean (sd)		Continuous	[-365, 0]	Any	CPT/HCPCS	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Number of creatinine tests, median (iqr), mean (sd)		Continuous	[-365, 0]	Any	CPT/HCPCS	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Number of urine tests, median (iqr), mean (sd)		Continuous	[-365, 0]	Any	CPT/HCPCS	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Lab values									
HbA1c****		Continuous	[-365, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm

Characteristics	Details	Type of variable	Assessment window	Care Settings ¹	Code Type ²	Diagnosis Position ³	Applied to study populations:	Measurement characteristics / validation	Source for algorithm
Glucose****		Continuous	[-365, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Creatinine****		Continuous	[-365, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Systolic blood pressure****		Continuous	[-365, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Heart rate****		Continuous	[-365, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
BMI****		Continuous	[-365, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
BNP****		Continuous	[-365, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
proBNP****		Continuous	[-365, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
eGFR****		Continuous	[-365, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Burden of comorbidities									

Characteristics	Details	Type of variable	Assessment window	Care Settings ¹	Code Type ²	Diagnosis Position ³	Applied to study populations:	Measurement characteristics / validation	Source for algorithm
Combined comorbidity score		Continuous	[-365, 0]	Any	ICD10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Gagne et al., Sun et al. ^{18,19}
Frailty score		Continuous	[-365, 0]	Any	ICD10-CM	Any	Exposure: Semaglutide Reference: Sitagliptin	n/a	Kim et al. ²⁰
Baseline hospitalizations and hospital metrics									
Number of any hospitalization, median (iqr), mean (sd)		Continuous	[-365, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
0, 1, >1 hospitalizations for heart failure		Continuous	[-365, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
0, 1, >1 hospitalizations for other reason		Continuous	[-365, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	Appendix, Covariate – Algorithm
Calendar year of cohort entry									
2018		Categorical	[0, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	n/a
2019		Categorical	[0, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	n/a

Characteristics	Details	Type of variable	Assessment window	Care Settings ¹	Code Type ²	Diagnosis Position ³	Applied to study populations:	Measurement characteristics / validation	Source for algorithm
2020		Categorical	[0, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	n/a
2021		Categorical	[0, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	n/a
2022		Categorical	[0, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	n/a
2023		Categorical	[0, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	n/a
2024		Categorical	[0, 0]	n/a	n/a	n/a	Exposure: Semaglutide Reference: Sitagliptin	n/a	n/a

¹IP = inpatient, OP = outpatient, ED = emergency department, OT = other, n/a = not applicable

² See appendix for listing of clinical codes for each study parameter

³ Specify whether a diagnosis code is required to be in the primary position (main reason for encounter)

*Available for Optum Clinformatics and Medicare

**Available for Medicare

***Included in the PS model for the cohort with relaxed eligibility criteria

****Not used in the PS model

6.5 Data analysis

6.5.1 Context and rationale for analysis plan

The study will use a propensity score based overlap weighting method.²¹ The propensity score will be estimated as the probability of initiating semaglutide vs sitagliptin given the baseline patient characteristics using multivariable logistic regression models. As diagnostics for propensity score models, the study will evaluate distributional overlap, weight distribution, and covariate balance using standardized differences post-weighting. The study will estimate the hazard ratio for semaglutide vs sitagliptin on the composite all-cause mortality or heart failure hospitalization in the weighted population using a Cox proportional hazards model with robust standard errors.

Table 3. Primary, secondary, and subgroup analyses specification

A. Co-primary analyses

Hypothesis:	Semaglutide decreases the risk of all-cause mortality or heart failure hospitalization in individuals with heart failure with preserved ejection fraction when following the eligibility criteria of the STEP-HFpEF DM trial.
Exposure contrast:	Semaglutide vs sitagliptin.
Outcome:	Composite of all-cause mortality or heart failure hospitalization.
Analytic software:	Aetion, SAS 9.4, R.4.4.0
Model(s): (provide details or code)	Outcome model: Cox proportional hazards Follow-up time * status(0) = exposure
Confounding adjustment method	Name method and provide relevant details, e.g. bivariate, multivariable, propensity score weighting (specify weighting algorithm ratio and caliper), propensity score weighting (specify weight formula, trimming, truncation), propensity score stratification (specify strata definition), other.
	Overlap weighting based on the propensity score.
Missing data methods	Name method and provide relevant details, e.g. missing indicators, complete case, last value carried forward, multiple imputation (specify model/variables), other.
	Assumption that if no relevant claims diagnoses/procedures are present, the condition is not present.
Subgroup Analyses	List all subgroups
	Individuals <70, Individuals ≥70, Male, Female (exploratory analyses).

Hypothesis:	Semaglutide has a similar effect on all-cause mortality or heart failure hospitalization in individuals with heart failure with preserved ejection fraction when relaxing the eligibility criteria of the STEP-HFpEF DM trial (e.g., including patients with previous cardiovascular events, dyspnoea-related diagnoses, etc., to reflect a broader patient population from routine care).
Exposure contrast:	Semaglutide vs sitagliptin.

Outcome:	Composite of all-cause mortality or heart failure hospitalization.
Analytic software:	Aetion, SAS 9.4, R.4.4.0
Model(s): (provide details or code)	Outcome model: Cox proportional hazards Follow-up time * status(0) = exposure
Confounding adjustment method	Name method and provide relevant details, e.g. bivariate, multivariable, propensity score weighting (specify weighting algorithm ratio and caliper), propensity score weighting (specify weight formula, trimming, truncation), propensity score stratification (specify strata definition), other. Overlap weighting based on the propensity score.
Missing data methods	Name method and provide relevant details, e.g. missing indicators, complete case, last value carried forward, multiple imputation (specify model/variables), other. Assumption that if no relevant claims diagnoses/procedures are present, the condition is not present.
Subgroup Analyses	List all subgroups Individuals <70, Individuals ≥70, Male, Female, BMI <40, BMI ≥40.

B. Secondary Analyses

Hypothesis:	Semaglutide decreases the risk of all-cause mortality or worsening heart failure events and its individual end points (secondary outcomes) for individuals with heart failure with preserved ejection fraction in two populations: (1) patients meeting the eligibility criteria of the STEP-HFpEF DM trial, and (2) a broader patient population when relaxing the eligibility criteria of the STEP-HFpEF DM trial.
Exposure contrast:	Semaglutide vs sitagliptin.
Outcome:	Composite of all-cause mortality or a worsening heart failure event (exacerbated symptoms of heart failure resulting in hospitalization, intravenous diuretic therapy in an urgent care setting), and its respective individual end points.
Analytic software:	Aetion, SAS 9.4, R.4.4.0
Model(s): (provide details or code)	Outcome model: Cox proportional hazards Follow-up time * status(0) = exposure
Confounding adjustment method	Name method and provide relevant details, e.g. bivariate, multivariable, propensity score weighting (specify weighting algorithm ratio and caliper), propensity score weighting (specify weight formula, trimming, truncation), propensity score stratification (specify strata definition), other. Overlap weighting based on the propensity score.
Missing data methods	Name method and provide relevant details, e.g. missing indicators, complete case, last value carried forward, multiple imputation (specify model/variables), other. Assumption that if no relevant claims diagnoses/procedures are present, the condition is not present.
Subgroup Analyses	List all subgroups N/A.

Hypothesis:	Semaglutide has no increased or decreased risk of urinary tract infections (safety outcome) compared to sitagliptin in two populations: (1) patients meeting the eligibility criteria of the STEP-HFpEF DM trial, and (2) a broader patient population when relaxing the eligibility criteria of the STEP-HFpEF DM trial.
Exposure contrast:	Semaglutide vs sitagliptin.
Outcome:	Urinary tract infections.
Analytic software:	Aetion, SAS 9.4, R.4.4.0
Model(s): (provide details or code)	Outcome model: Cox proportional hazards Follow-up time*status(0) = exposure
Confounding adjustment method	Name method and provide relevant details, e.g. bivariate, multivariable, propensity score weighting (specify weighting algorithm ratio and caliper), propensity score weighting (specify weight formula, trimming, truncation), propensity score stratification (specify strata definition), other. Overlap weighting based on the propensity score.
Missing data methods	Name method and provide relevant details, e.g. missing indicators, complete case, last value carried forward, multiple imputation (specify model/variables), other. Assumption that if no relevant claims diagnoses/procedures are present, the condition is not present.
Subgroup Analyses	List all subgroups N/A.

Hypothesis:	Semaglutide has no increased or decreased risk of serious bacterial infections (safety outcome) compared to sitagliptin in two populations: (1) patients meeting the eligibility criteria of the STEP-HFpEF DM trial, and (2) a broader patient population when relaxing the eligibility criteria of the STEP-HFpEF DM trial.
Exposure contrast:	Semaglutide vs sitagliptin.
Outcome:	Serious bacterial infections.
Analytic software:	Aetion, SAS 9.4, R.4.4.0
Model(s): (provide details or code)	Outcome model: Cox proportional hazards Follow-up time*status(0) = exposure
Confounding adjustment method	Name method and provide relevant details, e.g. bivariate, multivariable, propensity score weighting (specify weighting algorithm ratio and caliper), propensity score weighting (specify weight formula, trimming, truncation), propensity score stratification (specify strata definition), other. Overlap weighting based on the propensity score.
Missing data methods	Name method and provide relevant details, e.g. missing indicators, complete case, last value carried forward, multiple imputation (specify model/variables), other. Assumption that if no relevant claims diagnoses/procedures are present, the condition is not present.
Subgroup Analyses	List all subgroups N/A.

Hypothesis:	Semaglutide has an increased risk of gastrointestinal adverse events (safety outcome) compared to sitagliptin in two populations: (1) patients meeting the eligibility criteria of the STEP-HFpEF DM trial, and (2) a broader patient population when relaxing the eligibility criteria of the STEP-HFpEF DM trial.
Exposure contrast:	Semaglutide vs sitagliptin.
Outcome:	Gastrointestinal adverse events.
Analytic software:	Aetion, SAS 9.4, R.4.4.0
Model(s): (provide details or code)	Outcome model: Cox proportional hazards Follow-up time*status(0) = exposure
Confounding adjustment method	Name method and provide relevant details, e.g. bivariate, multivariable, propensity score weighting (specify weighting algorithm ratio and caliper), propensity score weighting (specify weight formula, trimming, truncation), propensity score stratification (specify strata definition), other. Overlap weighting based on the propensity score.
Missing data methods	Name method and provide relevant details, e.g. missing indicators, complete case, last value carried forward, multiple imputation (specify model/variables), other. Assumption that if no relevant claims diagnoses/procedures are present, the condition is not present.
Subgroup Analyses	List all subgroups N/A.

Hypothesis:	Semaglutide has no increased or decreased risk of hernia (control outcome) compared to sitagliptin in two populations: (1) patients meeting the eligibility criteria of the STEP-HFpEF DM trial, and (2) a broader patient population when relaxing the eligibility criteria of the STEP-HFpEF DM trial.
Exposure contrast:	Semaglutide vs sitagliptin.
Outcome:	Hernia (excluding patients with recent outcome prior to the follow-up time window (30 days)) (negative control outcome).
Analytic software:	Aetion, SAS 9.4, R.4.4.0
Model(s): (provide details or code)	Outcome model: Cox proportional hazards Follow-up time*status(0) = exposure
Confounding adjustment method	Name method and provide relevant details, e.g. bivariate, multivariable, propensity score weighting (specify weighting algorithm ratio and caliper), propensity score weighting (specify weight formula, trimming, truncation), propensity score stratification (specify strata definition), other. Overlap weighting based on the propensity score.
Missing data methods	Name method and provide relevant details, e.g. missing indicators, complete case, last value carried forward, multiple imputation (specify model/variables), other. Assumption that if no relevant claims diagnoses/procedures are present, the condition is not present.
Subgroup Analyses	List all subgroups N/A.

Hypothesis:	Semaglutide has no increased or decreased risk of radiculopathy (control outcome) compared to sitagliptin in two populations: (1) patients meeting the eligibility criteria of the STEP-HFpEF DM trial, and (2) a broader patient population when relaxing the eligibility criteria of the STEP-HFpEF DM trial.
Exposure contrast:	Semaglutide vs sitagliptin.
Outcome:	Lumbar radiculopathy (excluding patients with recent outcome prior to the follow-up time window (30 days)) (negative control outcomes).
Analytic software:	Aetion, SAS 9.4, R.4.4.0
Model(s): (provide details or code)	Outcome model: Cox proportional hazards Follow-up time*status(0) = exposure
Confounding adjustment method	Name method and provide relevant details, e.g. bivariate, multivariable, propensity score weighting (specify weighting algorithm ratio and caliper), propensity score weighting (specify weight formula, trimming, truncation), propensity score stratification (specify strata definition), other. Overlap weighting based on the propensity score.
Missing data methods	Name method and provide relevant details, e.g. missing indicators, complete case, last value carried forward, multiple imputation (specify model/variables), other. Assumption that if no relevant claims diagnoses/procedures are present, the condition is not present.
Subgroup Analyses	List all subgroups N/A.

Table 4. Sensitivity analyses – rationale, strengths and limitations

	What is being varied? How?	Why? (What do you expect to learn?)	Strengths of the sensitivity analysis compared to the primary	Limitations of the sensitivity analysis compared to the primary
Hernia as a negative control outcome.	We are changing the outcome to hernia for which there is expected to be no causal effect from semaglutide.	We will evaluate the potential impact of residual confounding on this outcome for which there is not expected to be a causal effect.	Evaluates the robustness of the interpretation of the primary analysis by evaluating the potential magnitude of unmeasured confounding.	This analysis assumes that the confounding structure is the same or similar for the negative control outcome as the outcome of interest.
Lumbar radiculopathy as a	We are changing the outcome to lumbar radiculopathy for which	We will evaluate the potential impact of residual confounding on this	Evaluates the robustness of the interpretation of the primary analysis by evaluating	This analysis assumes that the confounding structure is the same or similar for the negative

negative control outcome.	there is expected to be no causal effect from semaglutide.	outcome for which there is not expected to be a causal effect.	the potential magnitude of unmeasured confounding.	control outcome as the outcome of interest.
Broader definition of end point hospitalization for heart failure.	Instead of requiring an inpatient discharge diagnosis in the primary position for heart failure, we will allow an inpatient diagnosis in any position for heart failure.	Helps determine whether restricting to primary-position heart failure diagnoses omits relevant cases or whether including secondary diagnoses introduces misclassification.	Increases sensitivity for capturing hospitalizations for heart failure.	Some hospitalizations may primarily be for other conditions rather than heart failure itself.
Intention-to-treat analyses to address potential informative censoring.	To address potential informative censoring.	We will consider the first-used medication for 365 days without considering drug discontinuation or switching, mimicking an “intention-to-treat” approach.	Reflects follow-up regimen of RCT.	Persistence of drug use is shorter in clinical practice whereas adherence is typically higher in RCTs. Therefore, we expect the estimated effects will be diluted toward the null, underestimating the true treatment effect had patients remained on therapy.
Apply eligibility criteria from the SUMMIT trial ²² .	To assess how variations in eligibility criteria influence the study population size and treatment effect estimates.	We will learn how slightly different eligibility criteria and their operationalization can influence treatment effect estimates.	Assesses the impact of treatment effect estimation due to differential cohort assembly.	Estimates will not be directly used to assess robustness of primary analysis.

6.5.2 Comparison of Results Between Database Studies and RCTs

We will attempt to benchmark the results of the secondary analysis from the database study against the composite end point of all-cause mortality or worsening heart failure events observed in the STEP-HFpEF DM trial. It is important to note that this end point was only of exploratory nature in the trial and therefore not sufficiently powered. Consequently, failure to replicate the RCT findings is not necessarily indicative of the inadequacy of the healthcare claims data for emulation for a range of possible reasons, nor does failure to replicate provide information about the validity of the trial result.²³ Assessment of concordance in results between the database study-trial pair will use the metrics previously implemented in the RCT-DUPLICATE initiative, namely statistical significance agreement, estimate agreement, and standardized difference agreement. In this project, “full”

statistical significance agreement was defined by estimates and confidence intervals on the same side of null; estimate agreement was defined by whether estimates for the trial emulation fell within the 95% CI for the trial results; standardized difference agreement between treatment effect estimates from trials and emulations was defined by standardized differences $|Z| < 1.96$ ($Z = \frac{\theta_{RCT} - \theta_{RWE}}{\sqrt{\sigma^2_{RCT} + \sigma^2_{RWE}}}$ where θ are the treatment effect estimates and the σ^2 are associated variances). In addition, “partial” significance agreement was defined as meeting pre-specified non-inferiority criteria even though a more highly powered database study may have indicated superiority.^{23,24}

6.6 Data sources

6.6.1 Context and rationale for data sources

Reason for selection: The study will be conducted in 3 US health care claims databases: Optum Clinformatics (2018-2024), Merative Marketscan (2018-2023), and Medicare (a sample that includes all patients with diabetes with heart failure diagnosis, 2018-2020).

Strengths of data source(s): Each data source contains deidentified, longitudinal, date-stamped information on patient enrollment, demographics, inpatient/outpatient diagnosis and procedures, admission and discharge dates, and medication dispensation. The death data is captured in the Optum database from inpatient discharge status, social security death master file, and deaths scraped from obituaries or other sources. The death data in MarketScan is captured from the social security death master file and inpatient discharge status. It is recognized that the social security death master file has high specificity and positive predictive value for deaths. While this data resource has under captured deaths since 2011, the capture of deaths is not expected to be differential between compared exposure groups. The death data is captured in the Medicare database from inpatient discharge status, and social security death master file.²⁵⁻²⁷

Limitations of data source(s): Patient healthcare encounters are only observable when they are enrolled in an insurance plan that contributes to the database. Patients may change insurance plans for multiple reasons. Both Optum Clinformatics and Merative MarketScan are primarily employer based insurance databases where patients may disenroll with job changes. Patients in Medicare may move in and out of fee-for-service plans. We are excluding person-time in health maintenance organization (HMO) plans due to concerns about the completeness of capture of diagnoses and procedures. This means that we require patients to be enrolled in Medicare parts AB and D during the baseline assessment window and censor patients if they switch to part C. In claims data, dispensing data for inpatient medication is unavailable. Diagnoses reflect billing practices, therefore algorithms (preferably validated) are needed for accurate phenotyping of patient conditions. Services that are not covered by insurance do not appear in the data. The trial evaluated cardiovascular deaths, however we will evaluate all-cause mortality in the emulation because most deaths in this cohort of patients at high cardiovascular risk will be related to cardiovascular reasons, the cause of death is not recorded for databases not linked to NDI, and the performance of NDI at identifying cardiovascular causes of death may be suboptimal.²⁷

Data source provenance/curation:

Information about Optum Clinformatics and Merative MarketScan can be found in data dictionaries and user guides that are provided to clients. Information about Medicare data provenance and curation can be found on the ResDac website.²⁸

Table 5. Metadata about data sources and software

	Data 1	Data 2	Data 3
Data Source(s):	Optum Clinformatics	Merative Marketscan	Medicare
Study Period:	1 st January 2018	1 st January 2018	1 st January 2018
Eligible Cohort Entry Period:	November 30, 2024	December 31, 2023	December 31, 2020
Data Version (or date of last update):	April 2025	Mortality Cut Set A Received 2024-03-01	DUA 59286 Received 2023-10-17
Data sampling/extraction criteria:	n/a	n/a	Patients with a diabetes or heart failure diagnosis
Type(s) of data:	Administrative claims	Administrative claims	Administrative claims
Data linkage:	n/a	n/a	Linkage to National Death Index
Conversion to CDM*:	n/a	n/a	n/a
Software for data management:	Aetion Evidence Platform® (2025)	Aetion Evidence Platform® (2025)	Aetion Evidence Platform® (2025)

*CDM = Common Data Model

6.7 Data management

Tracking data: The Data Use Agreement (DUA) Custodian (Principal Investigator) and the Division Operations Manager (Winta Tekle) are responsible for receiving and creating a record of new data associated with the given request. The Operations Manager is responsible for all indexing and archiving of documents and electronic media related to data that the Division receives and will log data location, data contents, and associated DUA and Institutional Review Board (IRB) numbers in the Division’s centralized tracking system.

Handling and storage: In-scope data will be stored utilizing Mass General Brigham approved information systems – i.e., Division servers and Mass General Brigham network storage.

Archiving: Data retention and any removal will be executed by the Division Operations Manager (Winta Tekle) and Data Manager (Todd MacGarvey). The Division follows Mass General Brigham enterprise record retention policies and follow the terms of the agreement through which the in-scope data was received.

Information security: The Division follows Mass General Brigham's Enterprise Information Security Program (EISP). The EISP helps by providing assurance that Mass General Brigham information and information systems are protected from unauthorized access, use, disclosure, duplication, modification, or destruction in order to maintain their confidentiality, integrity, and availability. To that end, the EISP policies, standards and procedures create an information security framework that is aligned with the recommendations of the International Organization for Standardization's (ISO) publication 27001 and the National Institute of Standards and Technology's (NIST) publication 800-53 Family of Controls and MGB regulatory and legal requirements (as a HIPAA covered entity).

Mass General Brigham workforce members are required to complete new workforce privacy and information security training upon hire and annually thereafter. Refresh training is provided as appropriate. Mass General Brigham workforce members are required to review and sign a Confidentiality Agreement upon hire and annually thereafter. Additionally, we follow Enterprise Information Security and Privacy policies, including Managing Workforce Members Information Security Responsibilities Policy, which was developed to help assure that Mass General Brigham workforce members are competent and eligible to support the information security responsibilities associated with their role. Mass General Brigham workforce, including Division staff, are required to comply with Enterprise Information Security and Privacy Policies.

Facilities: The research team uses a highly secure, state-of-the-art, computing facility housed at Mass General Brigham's Corporate Data Centers in Needham and Marlborough, Massachusetts as well as Amazon Web Services (AWS). We maintain redundant storage for maximal data integrity and high-speed data access.

The Division uses Mass General Brigham corporate provisioned servers to analyze and store data in connection with this project. There are strict access controls enforced by technical means to ensure that only study staff who have been approved to conduct data analyses and contracted data engineers are able to access data (e.g., Mass General Brigham Authentication (Active Directory) utilized; auditing, logging, and monitoring enabled; firewalls enabled; etc.). All Division servers used in this study are accessible to only authorized staff only through the MGB network and utilizing VPN as appropriate (i.e., users must be on the network and logged into VPN to access). Mass General Brigham has a network information security monitoring team and in-scope servers are enrolled in enterprise security tools (e.g., vulnerability scanning service, antivirus, etc.).

The Division also uses AWS. In-scope AWS services / resources have undergone review and assessment by Mass General Brigham's Information Security Risk Assessment Team/ InfoSec Risk Management Team as required and in alignment with NIST 800-30: Guide for Conducting Risk Assessments. In-scope AWS servers are for our exclusive use (reserved instances), are covered under our organization's Business Associate Agreement with AWS. In-scope servers are housed in anonymous facilities that are not branded as AWS facilities. Physical access is strictly controlled both at the perimeter and at building ingress points by professional security staff utilizing video surveillance, intrusion detection systems, and other electronic means.

Security attributes and controls for the Division's use of in-scope AWS in connection with this project include: encryption at rest and in transit (industry standard AES-256 encryption, SSL/TSL), anti-malware, latest OS updates and patches as well as anti-virus; multi-factor authentication (MFA), Identity and Access Management, including SSO; auditing and logging; principle of least privilege, including for traffic and ports (e.g., deny all default configurations), use of VPC enabled Step functions, etc.; separation between environments; minimum necessary (out of the box AWS roles are not used as they can be overly permissive); all data would reside in the US domestic regions – use only US east HIPAA compliant region; performance monitoring enabled and reviewed as per internal processes; passwords compliant with enterprise password policy and, as appropriate, more protective

password requirements; etc. Our Division's AWS use is also subject to ongoing evaluation and monitoring as well – e.g., vulnerability scanning and management, access review, etc.

A data file list will be maintained in Amazon S3 and tracked through Cloudtrail and Cloudwatch. Reporting of data file availability for any file stored in an S3 bucket will be controlled by MGB.

Amazon EC2, Amazon EBS, and Amazon VPC are integrated with AWS CloudTrail, a service that provides a record of actions taken by a user, role, or an AWS service in Amazon EC2, Amazon EBS, and Amazon VPC. CloudTrail captures all API calls for Amazon EC2, Amazon EBS, and Amazon VPC as events, including calls from the console and from code calls to the APIs. MGB IT/security staff have full access to CloudTrail to ensure that CloudTrail monitoring is available at all times. Amazon CloudWatch Events delivers a near-real-time stream of system events that describe changes in AWS resources. Amazon CloudTrail can log, continuously monitor, and retain account activity related to actions across the MGB AWS infrastructure. CloudTrail provides event history of MGB AWS account activity. This event history simplifies security analysis, resource change tracking, and troubleshooting and complies with requirements to ensure the data file inventory is controlled by MGB.

Backups: Backups are created using industry recognized Cryptographic mechanisms (e.g., 256-bit AES encryption) as appropriate and required. Data are backed up within the MGB network from the MGB Needham data center to the MGB Marlborough data center via replication/mirroring and volume-level snapshots. AWS Backup supports both instance-level backups as Amazon Machine Images (AMIs) and volume-level backups as separate snapshots based on the resource tags. AMIs allow MGB IT and security staff to create backups of all S3 and EC2 instances. This backup approach allows elimination of EC2 instances when access to CMS data files is no longer needed. Use of temporary instances will allow highest security control to be applied regarding for whom and when CMS data files are accessible.

In addition to the safeguards listed above, the Division follows enterprise privacy and information security policies and maintains internally procedures in connection with this project to safeguard the data in connection with this project as appropriate and required including: Physical Security and Environmental Controls for Electronic Information Policy; IT Access Control Standards for Users policy; Safeguarding Fax Copiers Printers Telephone Use and Pagers; Physical Removal and Transport of Protected Health Information and Personal Information policy, etc.

6.8 Quality control

Senior Programmers and Research Specialists perform QA/QC on raw or common data model converted data via SAS/R/Aetion software. The protocol will be iteratively developed and pre-specified data checks including feasibility counts and balance on baseline covariates will be conducted with outputs reviewed by MGB team members. Team members will review code lists to ensure fidelity to intended algorithms.

6.9 Study size and feasibility

See appendices 4^{strict, relaxed} and appendices 5^{strict, relaxed} (feasibility, weighting on age, sex, comorbidity score as well as all predefined propensity score variables). Propensity score distribution plots with c-statistics are available in appendices 6^{strict, relaxed}. Tables 1^{strict, relaxed} showing prevalence of baseline characteristics and standardized differences in distribution are available in appendices 7^{strict, relaxed}. Additional diagnostic evaluations, including balance

assessments of laboratory and clinical examination test results not included in the propensity score as well as assessment of heart failure-related medication after follow-up, will be conducted to assess potential residual confounding and divergence of treatment over time.

7. Limitation of the methods

As we are using secondary data and the data were not collected for research purposes, some important variables may not be collected or will be measured imperfectly. We have selected validated algorithms when possible and we have created proxies for important variables that are not directly captured in the data to reduce confounding by unmeasured factors. One measurement difference is, for example, an inclusion criterion requiring left ventricular ejection fraction (LVEF). Since these measurements are not captured in claims, we proxied LVEF by applying a predictive algorithm for LVEF with high positive predictive value (PPV) of 91%. This has been a frequently used method in other database studies.^{29,30,31}

When comparing results from an RCT to a database study that emulates the design, we assume that the findings from the single RCT are internally valid. However, as the end points we intend to emulate were only of exploratory nature and not sufficiently powered, there might be great variability, making it potentially difficult to compare to the effect estimates reported in the trial.

Although we plan to emulate the important features of each RCT as closely as possible in healthcare claims, there may be some elements of RCT design that are not emulable with a database study, which means that the real-world evidence obtained from the database study and trial will address slightly different clinical questions. For example, in routine clinical care, adherence to treatment is typically not as high as it is in an RCT with strong measures in place to encourage adherence to the study protocol. This means that there is more discontinuation and short-term medication use in the patients identified in claims databases than trial participants.

Apparent agreement between RCT and database study results could occur if the effects of multiple factors (chance, emulation differences, bias) cancel each other out.

8. Protection of human subjects

This study has been approved by the Brigham and Women's Hospital Institutional Review Board.

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10. Appendices

See accompanying excel files that specify the cohort studies (strict: patients meeting the eligibility criteria of the STEP-HFpEF DM trial; relaxed: a broader patient population when relaxing the eligibility criteria of the STEP-HFpEF DM trial).

1^{strict, relaxed} Target Trial Framework, Operational Definitions, and Data Fitness Assessment

2^{strict, relaxed} Code algorithms

2a^{strict, relaxed} Exposure

2a^{strict, relaxed} Inclusion

2c^{strict, relaxed} Exclusion

2d^{strict, relaxed} Outcome

3^{strict, relaxed} Flowchart for cohort assembly

4^{strict, relaxed} 1st feasibility assessment

5^{strict, relaxed} 2nd feasibility assessment

6^{strict, relaxed} Balance Assessment - PS Distribution and C-Statistic

7^{strict, relaxed} Balance Assessment - Table 1

Appendices

- 1 Target Trial Framework, Operational Definitions and Data Fitness Assessment
- 2 Code algorithms
 - 2a Exposure
 - 2b Inclusion
 - 2c Exclusion
 - 2d Outcome
- 3 Flowchart for cohort assembly
- 4 1st feasibility assessment
- 5 2nd feasibility assessment
- 6 Balance Assessment - PS Distribution and C-Statistic
- 7 Balance Assessment - Table 1

	STEP-HFpEF DM	OPTUM	Marketscan	CMS	Notes	Color coding	Score
Treatment assignment (time 0, index date)	Parallel, blinded randomization to treatment Semaglutide vs	Non-randomized initiation of treatment Semaglutide vs Sitagliptin (first eligible entry to study population) Code type: RX Care setting: N/A Diagnosis position: N/A Washout window: [-183, -1] Incident with respect to: Semaglutide in any formulation or dose Assessment window: N/A Source of algorithm: N/A	Non-randomized initiation of treatment Semaglutide vs Sitagliptin (first eligible entry to study population) Code type: RX Care setting: N/A Diagnosis position: N/A Washout window: [-183, -1] Incident with respect to: Semaglutide in any formulation or dose Assessment window: N/A Source of algorithm: N/A	Non-randomized initiation of treatment Semaglutide vs Sitagliptin (first eligible entry to study population) Code type: RX Care setting: N/A Diagnosis position: N/A Washout window: [-183, -1] Incident with respect to: Semaglutide in any formulation or dose Assessment window: N/A Source of algorithm: N/A			
Exposure	Semaglutide (2.4 mg subcutaneously once per week)	Measurement characteristics: N/A Code type: RX Care setting: N/A Diagnosis position: N/A Washout window: [-183, -1] Incident with respect to: Sitagliptin in any formulation or dose Assessment window: N/A Source of algorithm: N/A	Measurement characteristics: N/A Code type: RX Care setting: N/A Diagnosis position: N/A Washout window: [-183, -1] Incident with respect to: Sitagliptin in any formulation or dose Assessment window: N/A Source of algorithm: N/A	Measurement characteristics: N/A Code type: RX Care setting: N/A Diagnosis position: N/A Washout window: [-183, -1] Incident with respect to: Sitagliptin in any formulation or dose Assessment window: N/A Source of algorithm: N/A		Good proxy definition	3
Comparator	Placebo	Code type: DX, PX Care setting: Inpatient for heart failure, any for death Diagnosis position: Primary Washout window: Source of algorithm: PROMISE Team, Validation studies, (Investigator reviewed codes) Measurement characteristics: Death includes information from the inpatient discharged dead status, social security death master file, and deaths scraped from obituaries or other sources. PPV for HHF diagnosis using ICD-10 codes was 98% in a national Medicare sample. https://pubmed.ncbi.nlm.nih.gov/36688301/	Code type: DX, PX Care setting: Inpatient for heart failure, any for death Diagnosis position: Primary Washout window: Source of algorithm: PROMISE Team, Validation studies, (Investigator reviewed codes) Measurement characteristics: Death includes information from the inpatient discharged dead status and social security death master file. PPV for HHF diagnosis using ICD-10 codes was 98% in a national Medicare sample. https://pubmed.ncbi.nlm.nih.gov/36688301/	Code type: DX, PX Care setting: Inpatient for heart failure, any for death Diagnosis position: Primary Washout window: Source of algorithm: PROMISE Team, Validation studies, (Investigator reviewed codes) Measurement characteristics: Deaths includes information from the inpatient discharged dead status, NDI cause of death, and social security death master file. PPV for HHF diagnosis using ICD-10 codes was 98% in a national Medicare sample. https://pubmed.ncbi.nlm.nih.gov/36688301/	Algorithm detail: Sitagliptin is being used as an active comparator proxy for placebo. We allowed sitagliptin alone OR in combination pills with metformin OR in combination pills with simvastatin.	Moderate proxy definition	2
Primary outcome to be emulated	All-cause mortality or heart failure hospitalization	Code type: DX, PX Care setting: Inpatient for heart failure, outpatient for i.v. diuretics, any for death Diagnosis position: Primary Washout window: Source of algorithm: PROMISE Team, Validation studies, (Investigator reviewed codes) Measurement characteristics: Death includes information from the inpatient discharged dead status, social security death master file, and deaths scraped from obituaries or other sources. PPV for HHF diagnosis using ICD-10 codes was 98% in a national Medicare sample. https://pubmed.ncbi.nlm.nih.gov/36688301/	Code type: DX, PX Care setting: Inpatient for heart failure, outpatient for i.v. diuretics, any for death Diagnosis position: Primary Washout window: Source of algorithm: PROMISE Team, Validation studies, (Investigator reviewed codes) Measurement characteristics: Death includes information from the inpatient discharged dead status and social security death master file. PPV for HHF diagnosis using ICD-10 codes was 98% in a national Medicare sample. https://pubmed.ncbi.nlm.nih.gov/36688301/	Code type: DX, PX Care setting: Inpatient for heart failure, outpatient for i.v. diuretics, any for death Diagnosis position: Primary Washout window: Source of algorithm: PROMISE Team, Validation studies, (Investigator reviewed codes) Measurement characteristics: Deaths includes information from the inpatient discharged dead status, NDI cause of death, and social security death master file. PPV for HHF diagnosis using ICD-10 codes was 98% in a national Medicare sample. https://pubmed.ncbi.nlm.nih.gov/36688301/		Poorly measured in database	1
Secondary outcome to be emulated	All-cause mortality or a worsening heart failure event (exacerbated symptoms of heart failure resulting in hospitalization, intravenous diuretic therapy in an urgent care setting)	Code type: DX, PX Care setting: Inpatient for heart failure, outpatient for i.v. diuretics, any for death Diagnosis position: Primary Washout window: Source of algorithm: PROMISE Team, Validation studies, (Investigator reviewed codes) Measurement characteristics: Death includes information from the inpatient discharged dead status, social security death master file, and deaths scraped from obituaries or other sources. PPV for HHF diagnosis using ICD-10 codes was 98% in a national Medicare sample. https://pubmed.ncbi.nlm.nih.gov/36688301/	Code type: DX, PX Care setting: Inpatient for heart failure, outpatient for i.v. diuretics, any for death Diagnosis position: Primary Washout window: Source of algorithm: PROMISE Team, Validation studies, (Investigator reviewed codes) Measurement characteristics: Death includes information from the inpatient discharged dead status and social security death master file. PPV for HHF diagnosis using ICD-10 codes was 98% in a national Medicare sample. https://pubmed.ncbi.nlm.nih.gov/36688301/	Code type: DX, PX Care setting: Inpatient for heart failure, outpatient for i.v. diuretics, any for death Diagnosis position: Primary Washout window: Source of algorithm: PROMISE Team, Validation studies, (Investigator reviewed codes) Measurement characteristics: Deaths includes information from the inpatient discharged dead status, NDI cause of death, and social security death master file. PPV for HHF diagnosis using ICD-10 codes was 98% in a national Medicare sample. https://pubmed.ncbi.nlm.nih.gov/36688301/		Poorly measured in database and not important	0
Follow up start	Randomization date	One day after initiation of treatment with semaglutide or sitagliptin	One day after initiation of treatment with semaglutide or sitagliptin	One day after initiation of treatment with semaglutide or sitagliptin			
Follow up end	52 weeks post randomization	Earliest of: Outcome, end of observation in data, end of study period (365 days), discontinuation of study drug (45 days grace window and risk-window), switch to other GLP-1-RA, nursing home admission	Earliest of: Outcome, end of observation in data, end of study period (365 days), discontinuation of study drug (45 days grace window and risk-window), switch to other GLP-1-RA, nursing home admission	Earliest of: Outcome, end of observation in data, end of study period (365 days), discontinuation of study drug (45 days grace window and risk-window), switch to other GLP-1-RA, nursing home admission	Algorithm detail: Adherence in clinical practice databases is expected to be much worse than in the trial, therefore the on-treatment analysis at 1 year follow-up will be the primary analysis. Algorithm detail: Adherence in clinical practice databases is expected to be much worse than in the trial, therefore the on-treatment analysis at 1 year follow-up will be the primary analysis.		
Causal estimand	Intention-to-treat effect	On-treatment effect	On-treatment effect	On-treatment effect			
Effect estimation	Cox proportional hazards model	Cox proportional hazards regression model	Cox proportional hazards regression model	Cox proportional hazards regression model			
Inclusion criteria	Informed consent obtained before any trial-related activities.	Can't be measured in claims	Can't be measured in claims	Can't be measured in claims			

2	Male or female, age above or equal to 18 years at the time of signing informed consent.	<p>Applied before/after selection of index date: Before Assessment window: [0, 0] Code type: N/A Care setting: N/A Diagnosis position: N/A Source of algorithm: N/A Measurement characteristics: N/A</p> <p>Applied before/after selection of index date: Before Assessment window: [-730, 0] Code type: DX, LOINC Care setting: Any Diagnosis position: Any Source of algorithm: Validation of body mass index (BMI)-related ICD-9-CM and ICD-10-CM administrative diagnosis codes recorded in US claims data Measurement characteristics: N/A</p>	<p>Applied before/after selection of index date: Before Assessment window: [0, 0] Code type: N/A Care setting: N/A Diagnosis position: N/A Source of algorithm: N/A Measurement characteristics: N/A</p> <p>Applied before/after selection of index date: Before Assessment window: [-730, 0] Code type: DX, LOINC Care setting: Any Diagnosis position: Any Source of algorithm: Validation of body mass index (BMI)-related ICD-9-CM and ICD-10-CM administrative diagnosis codes recorded in US claims data Measurement characteristics: N/A</p>	<p>Applied before/after selection of index date: Before Assessment window: [0, 0] Code type: N/A Care setting: N/A Diagnosis position: N/A Source of algorithm: N/A Measurement characteristics: N/A</p> <p>Applied before/after selection of index date: Before Assessment window: [-730, 0] Code type: DX, LOINC Care setting: Any Diagnosis position: Any Source of algorithm: Validation of body mass index (BMI)-related ICD-9-CM and ICD-10-CM administrative diagnosis codes recorded in US claims data Measurement characteristics: N/A</p>	Algorithm detail: If BMI measurement via LOINC code is below 10 or above 100 then measurement is set to missing.
3	BMI ≥ 30.0 kg/m2	<p>Applied before/after selection of index date: Before Assessment window: [all available data, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: https://pubmed.ncbi.nlm.nih.gov/36688301/ Measurement characteristics: N/A</p>	<p>Applied before/after selection of index date: Before Assessment window: [all available data, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: https://pubmed.ncbi.nlm.nih.gov/36688301/ Measurement characteristics: N/A</p>	<p>Applied before/after selection of index date: Before Assessment window: [all available data, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: https://pubmed.ncbi.nlm.nih.gov/36688301/ Measurement characteristics: N/A</p>	Algorithm detail: No information on NYHA stage in claims. Instead, ICD-10-CM codes for heart failure applied with assumption that HF is symptomatic, meaning individuals have at least NYHA stage II.
4	NYHA Class II-IV	<p>Applied before/after selection of index date: Before Assessment window: [-183, 0] Code type: DX, PX, RX Care setting: Any Diagnosis position: Any Source of algorithm: EF algorithm, https://pubmed.ncbi.nlm.nih.gov/30562067/ Measurement characteristics: N/A</p>	<p>Applied before/after selection of index date: Before Assessment window: [-183, 0] Code type: DX, PX, RX Care setting: Any Diagnosis position: Any Source of algorithm: EF algorithm, https://pubmed.ncbi.nlm.nih.gov/30562067/ Measurement characteristics: N/A</p>	<p>Applied before/after selection of index date: Before Assessment window: [-183, 0] Code type: DX, PX, RX Care setting: Any Diagnosis position: Any Source of algorithm: EF algorithm, https://pubmed.ncbi.nlm.nih.gov/30562067/ Measurement characteristics: N/A</p>	Algorithm detail: Proxied by claims algorithm predicting LVEF.
5	LVEF ≥ 45% at screening	<p>Applied before/after selection of index date: Before Assessment window: [-14, 0] Code type: DX Care setting: Inpatient Diagnosis position: Primary Source of algorithm: PROMISE team Measurement characteristics: N/A</p>	<p>Applied before/after selection of index date: Before Assessment window: [-14, 0] Code type: DX Care setting: Inpatient Diagnosis position: Primary Source of algorithm: PROMISE team Measurement characteristics: N/A</p>	<p>Applied before/after selection of index date: Before Assessment window: [-14, 0] Code type: DX Care setting: Inpatient Diagnosis position: Primary Source of algorithm: PROMISE team Measurement characteristics: N/A</p>	Algorithm detail: Proxied by claims algorithm predicting LVEF.
6	No hospitalisations due to heart failure between screening (V1) and randomisation (V2).	Can't be measured in claims	Can't be measured in claims	Can't be measured in claims	
7	Able to perform the 6MWT at screening with a minimum distance of 100 metres.	Can't be measured in claims	Can't be measured in claims	Can't be measured in claims	
8	KCCQ clinical summary score < 90 at screening.	Can't be measured in claims	Can't be measured in claims	Can't be measured in claims	
9	At least one of the following				Algorithm detail: Diuretics within 91 days of HF visit OR HHF within 365 days.
9a	Mean pulmonary wedge pressure ≥15 mmHg or left ventricular end diastolic pressure (LVEDP) ≥15 mmHg documented during catheterisation at rest or pulmonary artery (PA) diastolic pressure measured by implantable monitor ≥15mmHg or pulmonary wedge pressure or LVEDP ≥25 mmHg documented during catheterisation at exercise.	Can't be measured in claims	Can't be measured in claims	Can't be measured in claims	

<p>If BMI <35.0: NT-proBNP ≥ 220 pg/mL (for patients with sinus rhythm) or NTproBNP ≥660 pg/mL (for patients with persistent/permanent atrial fibrillation); if BMI ≥ 35.0: NT-proBNP ≥ 125 pg/mL (for patients with sinus rhythm) or NTproBNP ≥ 375 pg/mL (for patients with persistent/permanent atrial fibrillation) at screening (NT-proBNP analysed by the central laboratory) in combination with at least one of the following (documented by echocardiography within 12 months prior to or at screening): i. Septal \dot{e} < 7 cm/sec or lateral \dot{e} < 10 cm/sec or average E/\dot{e} ≥ 15 ii. PA systolic pressure >35mmHg iii. Left atrial (LA) enlargement (LA width ≥3.8 cm or LA length ≥ 5.0cm or LA area ≥ 20.0cm² or LA volume ≥ 55mL or LA volume index ≥ 29mL/m²) iv. LV hypertrophy with septal thickness or posterior wall thickness ≥1.2cm</p>	<p>Applied before/after selection of index date: Before Assessment window: [-365, 0] Code type: DX Care setting: Any Diagnosis position: Primary Source of algorithm: Investigator reviewed codes Measurement characteristics: N/A</p>	<p>Applied before/after selection of index date: Before Assessment window: [-365, 0] Code type: DX Care setting: Any Diagnosis position: Primary Source of algorithm: Investigator reviewed codes Measurement characteristics: N/A</p>	<p>Applied before/after selection of index date: Before Assessment window: [-365, 0] Code type: DX Care setting: Any Diagnosis position: Primary Source of algorithm: Investigator reviewed codes Measurement characteristics: N/A</p>	
<p>9b Hospitalisation with a primary diagnosis of decompensated heart failure which required intravenous loop diuretic treatment, within the previous 12 months in combination with at least two of the following (documented by echocardiography within 12 months prior to or at screening): i. Septal \dot{e} < 7 cm/sec or lateral \dot{e} < 10 cm/sec or average E/\dot{e} ≥ 15 ii. PA systolic pressure >35mmHg iii. LA enlargement (LA width ≥3.8cm or LA length ≥ 5.0cm or LA area ≥ 20.0cm² or LA volume ≥ 55mL or LA volume index ≥ 29mL/m²) iv. LV hypertrophy with septal thickness or posterior wall thickness ≥1.2cm</p>	<p>Applied before/after selection of index date: Before Assessment window: [-365, 0] for diuretics Code type: RX Care setting: N/A Diagnosis position: N/A Source of algorithm: N/A Measurement characteristics: N/A</p>	<p>Applied before/after selection of index date: Before Assessment window: [-365, 0] for diuretics Code type: RX Care setting: N/A Diagnosis position: N/A Source of algorithm: N/A Measurement characteristics: N/A</p>	<p>Applied before/after selection of index date: Before Assessment window: [-365, 0] for diuretics Code type: RX Care setting: N/A Diagnosis position: N/A Source of algorithm: N/A Measurement characteristics: N/A</p>	
<p>9c Diagnosed with T2D ≥ 90 days prior to the day of screening.</p>	<p>Applied before/after selection of index date: Before Assessment window: [-365, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A</p>	<p>Applied before/after selection of index date: Before Assessment window: [-365, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A</p>	<p>Applied before/after selection of index date: Before Assessment window: [-365, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A</p>	
<p>10 Subject treated with diet, exercise, and/or antidiabetic treatment* according to local label in stable dosing for at least 30 days prior to screening: o *OAD(s): unchanged drug(s), dose and dosing frequency o *Insulin(s): unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator</p>	<p>Applied before/after selection of index date: Before Assessment window: [-30, -1] Code type: RX Care setting: Any Diagnosis position: N/A Source of algorithm: N/A Measurement characteristics: N/A</p>	<p>Applied before/after selection of index date: Before Assessment window: [-30, -1] Code type: RX Care setting: Any Diagnosis position: N/A Source of algorithm: N/A Measurement characteristics: N/A</p>	<p>Applied before/after selection of index date: Before Assessment window: [-30, -1] Code type: RX Care setting: Any Diagnosis position: N/A Source of algorithm: N/A Measurement characteristics: N/A</p>	
<p>11 HbA1c of ≤10.0% as measured at the screening visit.</p>	<p>Can't be measured in claims</p>	<p>Can't be measured in claims</p>	<p>Can't be measured in claims</p>	
Exclusion Criteria				
<p>1 Myocardial infarction, stroke, hospitalisation for heart failure, unstable angina pectoris or transient ischemic attack within 30 days prior to the day of screening.</p>	<p>Applied before/after selection of index date: Before Assessment window: [-30, 0] Code type: DX Care setting: Inpatient for MI, Stroke, TIA Diagnosis position: Any Source of algorithm: PROMISE team, Investigator reviewed codes Measurement characteristics: N/A</p>	<p>Applied before/after selection of index date: Before Assessment window: [-30, 0] Code type: DX Care setting: Inpatient for MI, Stroke, TIA Diagnosis position: Any Source of algorithm: PROMISE team, Investigator reviewed codes Measurement characteristics: N/A</p>	<p>Applied before/after selection of index date: Before Assessment window: [-30, 0] Code type: DX Care setting: Inpatient for MI, Stroke, TIA Diagnosis position: Any Source of algorithm: PROMISE team, Investigator reviewed codes Measurement characteristics: N/A</p>	
<p>2 Systolic blood pressure > 160 mmHg at screening.</p>	<p>Applied before/after selection of index date: Before Assessment window: [-91, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: Investigator reviewed codes Measurement characteristics: N/A</p>	<p>Applied before/after selection of index date: Before Assessment window: [-91, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: Investigator reviewed codes Measurement characteristics: N/A</p>	<p>Applied before/after selection of index date: Before Assessment window: [-91, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: Investigator reviewed codes Measurement characteristics: N/A</p>	
<p>3 Planned coronary, carotid or peripheral artery revascularization.</p>	<p>Can't be measured in claims</p>	<p>Can't be measured in claims</p>	<p>Can't be measured in claims</p>	

Algorithm detail: Proxied by codes for acute or congestive heart failure.

Algorithm detail: Diuretics within 91 days of HF visit OR HHF within 365 days.

Algorithm detail: Proxied by any new antidiabetic treatment in the 30 days before CED.

Algorithm detail: Proxied by ICD-10-CM codes for malignant hypertension or hypertensive emergency/crisis.

13	Presence of acute pancreatitis within the last 180 days prior to screening.	<p>Applied before/after selection of index date: Before Assessment window: [-183, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A Applied before/after selection of index date: Before Assessment window: [-365, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A</p>	<p>Applied before/after selection of index date: Before Assessment window: [-183, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A Applied before/after selection of index date: Before Assessment window: [-365, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A</p>	<p>Applied before/after selection of index date: Before Assessment window: [-183, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A Applied before/after selection of index date: Before Assessment window: [-365, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A</p>	
14	History or presence of chronic pancreatitis.	<p>Applied before/after selection of index date: Before Assessment window: [-365, 0] Code type: DX, PX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A</p>	<p>Applied before/after selection of index date: Before Assessment window: [-365, 0] Code type: DX, PX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A</p>	<p>Applied before/after selection of index date: Before Assessment window: [-365, 0] Code type: DX, PX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A</p>	
15	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	<p>Applied before/after selection of index date: Before Assessment window: [all available data, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A</p>	<p>Applied before/after selection of index date: Before Assessment window: [all available data, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A</p>	<p>Applied before/after selection of index date: Before Assessment window: [all available data, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A</p>	
16	Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	<p>Applied before/after selection of index date: Before Assessment window: [-365, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A</p>	<p>Applied before/after selection of index date: Before Assessment window: [-365, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A</p>	<p>Applied before/after selection of index date: Before Assessment window: [-365, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A</p>	
17	Known or suspected hypersensitivity to trial product or related products.	Can't be measured in claims	Can't be measured in claims	Can't be measured in claims	
18	Participation in any clinical trial of an approved or non-approved device for the treatment of heart failure, diabetes or obesity within 30 days before screening.	Can't be measured in claims	Can't be measured in claims	Can't be measured in claims	
19	Receipt of any investigational medicinal product within 30 days before screening.	Can't be measured in claims	Can't be measured in claims	Can't be measured in claims	
20	Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	<p>Applied before/after selection of index date: Before Assessment window: [-365, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: Pregnancy team Measurement characteristics: N/A</p>	<p>Applied before/after selection of index date: Before Assessment window: [-365, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: Pregnancy team Measurement characteristics: N/A</p>	<p>Applied before/after selection of index date: Before Assessment window: [-365, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: Pregnancy team Measurement characteristics: N/A</p>	Algorithm detail: Proxied by ICD-10-CM codes indicative of pregnancy at baseline.
21	Major surgery scheduled for the duration of the trial, affecting walking ability in the opinion of the investigator.	Can't be measured in claims	Can't be measured in claims	Can't be measured in claims	
22	Any disorder, including severe psychiatric disorder, suicidal behaviour within 90 days before screening, and suspected drug abuse, which in the investigator's opinion might jeopardise subject's safety or compliance with the protocol.	<p>Applied before/after selection of index date: Before Assessment window: [-91, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: https://pubmed.ncbi.nlm.nih.gov/22270080/ ↳ Investigator reviewed codes Measurement characteristics: N/A</p>	<p>Applied before/after selection of index date: Before Assessment window: [-91, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: https://pubmed.ncbi.nlm.nih.gov/22270080/ ↳ Investigator reviewed codes Measurement characteristics: N/A</p>	<p>Applied before/after selection of index date: Before Assessment window: [-91, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: https://pubmed.ncbi.nlm.nih.gov/22270080/ ↳ Investigator reviewed codes Measurement characteristics: N/A</p>	Algorithm detail: Proxied by ICD-10-CM codes for severe psychiatric disorder, suicide attempt, drug abuse, alcohol abuse and non-compliance/non-adherence codes.

Variable_Name	Code	Code_category	Code_type	Notes
Semaglutide	SEMAGLUTIDE	RX	Generic	NDC Route of Administration: SUBCUTANEOUS
	0169413001	RX	NDC	
	0169413013	RX	NDC	
	0169413211	RX	NDC	
	0169413212	RX	NDC	
	0169413290	RX	NDC	
	0169413297	RX	NDC	
	0169413602	RX	NDC	
	0169413611	RX	NDC	
	0169418103	RX	NDC	
	0169418113	RX	NDC	
	0169418190	RX	NDC	
	0169418197	RX	NDC	
	0169477211	RX	NDC	
	0169477212	RX	NDC	
	0169477290	RX	NDC	
	0169477297	RX	NDC	
	0169450101	RX	NDC	
	0169450114	RX	NDC	
	0169450501	RX	NDC	
	0169450514	RX	NDC	
	0169451701	RX	NDC	
	0169451714	RX	NDC	
	0169452401	RX	NDC	
	0169452414	RX	NDC	
Semaglutide	OZEMPIC	RX	Generic	NDC Route of Administration: SUBCUTANEOUS
Semaglutide	WEGOVY	RX	Generic	NDC Route of Administration: SUBCUTANEOUS
Comparator				
Sitagliptin	SITAGLIPTIN	RX	Generic	NDC Route of Administration: ORAL
Sitagliptin	0006011201	RX	NDC	
Sitagliptin	0006011228	RX	NDC	
Sitagliptin	0006011231	RX	NDC	
Sitagliptin	0006011254	RX	NDC	
Sitagliptin	0006022101	RX	NDC	
Sitagliptin	0006022128	RX	NDC	
Sitagliptin	0006022131	RX	NDC	
Sitagliptin	0006022154	RX	NDC	
Sitagliptin	0006027701	RX	NDC	
Sitagliptin	0006027702	RX	NDC	
Sitagliptin	0006027714	RX	NDC	
Sitagliptin	0006027727	RX	NDC	
Sitagliptin	0006027728	RX	NDC	
Sitagliptin	0006027730	RX	NDC	

Sitagliptin	0006027731	RX	NDC	
Sitagliptin	0006027733	RX	NDC	
Sitagliptin	0006027754	RX	NDC	
Sitagliptin	0006027782	RX	NDC	
Sitagliptin	0006057501	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006057502	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006057503	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006057552	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006057556	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006057561	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006057562	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006057582	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006057701	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006057702	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006057703	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006057752	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006057756	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006057761	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006057762	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006057782	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006007814	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006007828	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006007861	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006007862	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006007882	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006008014	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006008028	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006008061	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006008062	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006008082	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006008107	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006008114	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006008131	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006008154	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006008182	RX	NDC	Sitagliptin/metformin
Sitagliptin	JANUVIA	RX	Generic	NDC Route of Administration: ORAL
Sitagliptin	SITAGLIPTIN / METFORMIN H'	RX	Generic	NDC Route of Administration: ORAL

Category	Variable_name	Code	Code_category	Description	Code_type	Notes
2	Men or women ≥ 18 y.o	N/A				
3	BMI ≥ 30.0 kg/m2	E66	DX	OVERWEIGHT AND OBESITY	ICD-10-CM	
3	BMI ≥ 30.0 kg/m2	E66.0	DX	OBESITY DUE TO EXCESS CALORIES	ICD-10-CM	
3	BMI ≥ 30.0 kg/m2	E66.01	DX	MORBID (SEVERE) OBESITY DUE TO EXCESS CALORIES	ICD-10-CM	
3	BMI ≥ 30.0 kg/m2	E66.09	DX	OTHER OBESITY DUE TO EXCESS CALORIES	ICD-10-CM	
3	BMI ≥ 30.0 kg/m2	E66.1	DX	DRUG-INDUCED OBESITY	ICD-10-CM	
3	BMI ≥ 30.0 kg/m2	E66.2	DX	MORBID (SEVERE) OBESITY WITH ALVEOLAR HYPOVENTILATION	ICD-10-CM	
3	BMI ≥ 30.0 kg/m2	E66.8	DX	OTHER OBESITY	ICD-10-CM	
3	BMI ≥ 30.0 kg/m2	E66.81	DX	OBESITY CLASS	ICD-10-CM	
3	BMI ≥ 30.0 kg/m2	E66.811	DX	OBESITY, CLASS 1	ICD-10-CM	
3	BMI ≥ 30.0 kg/m2	E66.812	DX	OBESITY, CLASS 2	ICD-10-CM	
3	BMI ≥ 30.0 kg/m2	E66.813	DX	OBESITY, CLASS 3	ICD-10-CM	
3	BMI ≥ 30.0 kg/m2	E66.89	DX	OTHER OBESITY NOT ELSEWHERE CLASSIFIED	ICD-10-CM	
3	BMI ≥ 30.0 kg/m2	E66.9	DX	OBESITY, UNSPECIFIED	ICD-10-CM	
3	BMI ≥ 30.0 kg/m2	Z68.30	DX	BODY MASS INDEX (BMI) 30.0-30.9, ADULT	ICD-10-CM	
3	BMI ≥ 30.0 kg/m2	Z68.31	DX	BODY MASS INDEX (BMI) 31.0-31.9, ADULT	ICD-10-CM	
3	BMI ≥ 30.0 kg/m2	Z68.32	DX	BODY MASS INDEX (BMI) 32.0-32.9, ADULT	ICD-10-CM	
3	BMI ≥ 30.0 kg/m2	Z68.33	DX	BODY MASS INDEX (BMI) 33.0-33.9, ADULT	ICD-10-CM	
3	BMI ≥ 30.0 kg/m2	Z68.34	DX	BODY MASS INDEX (BMI) 34.0-34.9, ADULT	ICD-10-CM	
3	BMI ≥ 30.0 kg/m2	Z68.35	DX	BODY MASS INDEX (BMI) 35.0-35.9, ADULT	ICD-10-CM	
3	BMI ≥ 30.0 kg/m2	Z68.36	DX	BODY MASS INDEX (BMI) 36.0-36.9, ADULT	ICD-10-CM	
3	BMI ≥ 30.0 kg/m2	Z68.37	DX	BODY MASS INDEX (BMI) 37.0-37.9, ADULT	ICD-10-CM	
3	BMI ≥ 30.0 kg/m2	Z68.38	DX	BODY MASS INDEX (BMI) 38.0-38.9, ADULT	ICD-10-CM	
3	BMI ≥ 30.0 kg/m2	Z68.39	DX	BODY MASS INDEX (BMI) 39.0-39.9, ADULT	ICD-10-CM	
3	BMI ≥ 30.0 kg/m2	Z68.4	DX	BODY MASS INDEX (BMI) 40 OR GREATER, ADULT	ICD-10-CM	
3	BMI ≥ 30.0 kg/m2	Z68.41	DX	BODY MASS INDEX (BMI) 40.0-44.9, ADULT	ICD-10-CM	
3	BMI ≥ 30.0 kg/m2	Z68.42	DX	BODY MASS INDEX (BMI) 45.0-49.9, ADULT	ICD-10-CM	
3	BMI ≥ 30.0 kg/m2	Z68.43	DX	BODY MASS INDEX (BMI) 50.0-59.9, ADULT	ICD-10-CM	
3	BMI ≥ 30.0 kg/m2	Z68.44	DX	BODY MASS INDEX (BMI) 60.0-69.9, ADULT	ICD-10-CM	
3	BMI ≥ 30.0 kg/m2	Z68.45	DX	BODY MASS INDEX (BMI) 70 OR GREATER, ADULT	ICD-10-CM	
3	BMI ≥ 30.0 kg/m2	Z9156-5	LOINC	BODY MASS INDEX (BMI) [Ratio]		
4	NYHA Class II-IV	I09.81	DX	RHEUMATIC HEART FAILURE	ICD-10-CM	
4	NYHA Class II-IV	I11.0	DX	HYPERTENSIVE HEART DISEASE WITH HEART FAILURE	ICD-10-CM	
4	NYHA Class II-IV	I13.0	DX	HYPERTENSIVE HEART AND CHRONIC KIDNEY DISEASE WITH HEART FAILURE AND STAGE 1 THROUGH STAGE 4 CHRONIC KIDNEY DISEASE, OR UNSPECIFIED CHRONIC KIDNEY DISEASE	ICD-10-CM	
4	NYHA Class II-IV	I13.2	DX	HYPERTENSIVE HEART AND CHRONIC KIDNEY DISEASE WITH HEART FAILURE AND WITH STAGE 5 CHRONIC KIDNEY DISEASE, OR END STAGE RENAL DISEASE	ICD-10-CM	
4	NYHA Class II-IV	I50	DX	HEART FAILURE	ICD-10-CM	
4	NYHA Class II-IV	I50.1	DX	LEFT VENTRICULAR FAILURE, UNSPECIFIED	ICD-10-CM	
4	NYHA Class II-IV	I50.2	DX	SYSTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	
4	NYHA Class II-IV	I50.20	DX	UNSPECIFIED SYSTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	
4	NYHA Class II-IV	I50.21	DX	ACUTE SYSTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	
4	NYHA Class II-IV	I50.22	DX	CHRONIC SYSTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	
4	NYHA Class II-IV	I50.23	DX	ACUTE ON CHRONIC SYSTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	
4	NYHA Class II-IV	I50.3	DX	DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	
4	NYHA Class II-IV	I50.30	DX	UNSPECIFIED DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	
4	NYHA Class II-IV	I50.31	DX	ACUTE DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	
4	NYHA Class II-IV	I50.32	DX	CHRONIC DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	
4	NYHA Class II-IV	I50.33	DX	ACUTE ON CHRONIC DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	
4	NYHA Class II-IV	I50.4	DX	COMBINED SYSTOLIC (CONGESTIVE) AND DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	
4	NYHA Class II-IV	I50.40	DX	UNSPECIFIED COMBINED SYSTOLIC (CONGESTIVE) AND DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	
4	NYHA Class II-IV	I50.41	DX	ACUTE COMBINED SYSTOLIC (CONGESTIVE) AND DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	
4	NYHA Class II-IV	I50.42	DX	CHRONIC COMBINED SYSTOLIC (CONGESTIVE) AND DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	
4	NYHA Class II-IV	I50.43	DX	ACUTE ON CHRONIC COMBINED SYSTOLIC (CONGESTIVE) AND DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	
4	NYHA Class II-IV	I50.8	DX	OTHER HEART FAILURE	ICD-10-CM	
4	NYHA Class II-IV	I50.810	DX	RIGHT HEART FAILURE, UNSPECIFIED	ICD-10-CM	
4	NYHA Class II-IV	I50.811	DX	ACUTE RIGHT HEART FAILURE	ICD-10-CM	
4	NYHA Class II-IV	I50.812	DX	CHRONIC RIGHT HEART FAILURE	ICD-10-CM	
4	NYHA Class II-IV	I50.813	DX	ACUTE ON CHRONIC RIGHT HEART FAILURE	ICD-10-CM	
4	NYHA Class II-IV	I50.814	DX	RIGHT HEART FAILURE DUE TO LEFT HEART FAILURE	ICD-10-CM	
4	NYHA Class II-IV	I50.82	DX	BIVENTRICULAR HEART FAILURE	ICD-10-CM	
4	NYHA Class II-IV	I50.83	DX	HIGH OUTPUT HEART FAILURE	ICD-10-CM	
4	NYHA Class II-IV	I50.84	DX	END STAGE HEART FAILURE	ICD-10-CM	
4	NYHA Class II-IV	I50.89	DX	OTHER HEART FAILURE	ICD-10-CM	
4	NYHA Class II-IV	I50.9	DX	HEART FAILURE, UNSPECIFIED	ICD-10-CM	
4	NYHA Class II-IV	I97.130	DX	POSTPROCEDURAL HEART FAILURE FOLLOWING CARDIAC SURGERY	ICD-10-CM	
4	NYHA Class II-IV	I97.131	DX	POSTPROCEDURAL HEART FAILURE FOLLOWING OTHER SURGERY	ICD-10-CM	
5	LVEF ≥ 45% at screening	EF algorithm				
6	No hospitalisations due to heart failure between screening (V1) and randomisation (V2).	I09.81	DX	RHEUMATIC HEART FAILURE	ICD-10-CM	
6	No hospitalisations due to heart failure between screening (V1) and randomisation (V2).	I11.0	DX	HYPERTENSIVE HEART DISEASE WITH HEART FAILURE	ICD-10-CM	
6	No hospitalisations due to heart failure between screening (V1) and randomisation (V2).	I13.0	DX	HYPERTENSIVE HEART AND CHRONIC KIDNEY DISEASE WITH HEART FAILURE AND STAGE 1 THROUGH STAGE 4 CHRONIC KIDNEY DISEASE, OR UNSPECIFIED CHRONIC KIDNEY DISEASE	ICD-10-CM	
6	No hospitalisations due to heart failure between screening (V1) and randomisation (V2).	I13.2	DX	HYPERTENSIVE HEART AND CHRONIC KIDNEY DISEASE WITH HEART FAILURE AND WITH STAGE 5 CHRONIC KIDNEY DISEASE, OR END STAGE RENAL DISEASE	ICD-10-CM	
6	No hospitalisations due to heart failure between screening (V1) and randomisation (V2).	I50	DX	HEART FAILURE	ICD-10-CM	
6	No hospitalisations due to heart failure between screening (V1) and randomisation (V2).	I50.1	DX	LEFT VENTRICULAR FAILURE, UNSPECIFIED	ICD-10-CM	
6	No hospitalisations due to heart failure between screening (V1) and randomisation (V2).	I50.2	DX	SYSTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	
6	No hospitalisations due to heart failure between screening (V1) and randomisation (V2).	I50.20	DX	UNSPECIFIED SYSTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	
6	No hospitalisations due to heart failure between screening (V1) and randomisation (V2).	I50.21	DX	ACUTE SYSTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	
6	No hospitalisations due to heart failure between screening (V1) and randomisation (V2).	I50.22	DX	CHRONIC SYSTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	
6	No hospitalisations due to heart failure between screening (V1) and randomisation (V2).	I50.23	DX	ACUTE ON CHRONIC SYSTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	
6	No hospitalisations due to heart failure between screening (V1) and randomisation (V2).	I50.3	DX	DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	

6	No hospitalisations due to heart failure between screening (V1) and randomisation (V2).	150.30	DX	UNSPECIFIED DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
6	No hospitalisations due to heart failure between screening (V1) and randomisation (V2).	150.31	DX	ACUTE DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
6	No hospitalisations due to heart failure between screening (V1) and randomisation (V2).	150.32	DX	CHRONIC DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
6	No hospitalisations due to heart failure between screening (V1) and randomisation (V2).	150.33	DX	ACUTE ON CHRONIC DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
6	No hospitalisations due to heart failure between screening (V1) and randomisation (V2).	150.4	DX	COMBINED SYSTOLIC (CONGESTIVE) AND DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
6	No hospitalisations due to heart failure between screening (V1) and randomisation (V2).	150.40	DX	UNSPECIFIED COMBINED SYSTOLIC (CONGESTIVE) AND DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
6	No hospitalisations due to heart failure between screening (V1) and randomisation (V2).	150.41	DX	ACUTE COMBINED SYSTOLIC (CONGESTIVE) AND DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
6	No hospitalisations due to heart failure between screening (V1) and randomisation (V2).	150.42	DX	CHRONIC COMBINED SYSTOLIC (CONGESTIVE) AND DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
6	No hospitalisations due to heart failure between screening (V1) and randomisation (V2).	150.43	DX	ACUTE ON CHRONIC COMBINED SYSTOLIC (CONGESTIVE) AND DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
6	No hospitalisations due to heart failure between screening (V1) and randomisation (V2).	150.8	DX	OTHER HEART FAILURE	ICD-10-CM
6	No hospitalisations due to heart failure between screening (V1) and randomisation (V2).	150.810	DX	RIGHT HEART FAILURE, UNSPECIFIED	ICD-10-CM
6	No hospitalisations due to heart failure between screening (V1) and randomisation (V2).	150.811	DX	ACUTE RIGHT HEART FAILURE	ICD-10-CM
6	No hospitalisations due to heart failure between screening (V1) and randomisation (V2).	150.812	DX	CHRONIC RIGHT HEART FAILURE	ICD-10-CM
6	No hospitalisations due to heart failure between screening (V1) and randomisation (V2).	150.813	DX	ACUTE ON CHRONIC RIGHT HEART FAILURE	ICD-10-CM
6	No hospitalisations due to heart failure between screening (V1) and randomisation (V2).	150.814	DX	RIGHT HEART FAILURE DUE TO LEFT HEART FAILURE	ICD-10-CM
6	No hospitalisations due to heart failure between screening (V1) and randomisation (V2).	150.82	DX	BIVENTRICULAR HEART FAILURE	ICD-10-CM
6	No hospitalisations due to heart failure between screening (V1) and randomisation (V2).	150.83	DX	HIGH OUTPUT HEART FAILURE	ICD-10-CM
6	No hospitalisations due to heart failure between screening (V1) and randomisation (V2).	150.84	DX	END STAGE HEART FAILURE	ICD-10-CM
6	No hospitalisations due to heart failure between screening (V1) and randomisation (V2).	150.89	DX	OTHER HEART FAILURE	ICD-10-CM
6	No hospitalisations due to heart failure between screening (V1) and randomisation (V2).	150.9	DX	HEART FAILURE, UNSPECIFIED	ICD-10-CM
6	No hospitalisations due to heart failure between screening (V1) and randomisation (V2).	197.130	DX	POSTPROCEDURAL HEART FAILURE FOLLOWING CARDIAC SURGERY	ICD-10-CM
6	No hospitalisations due to heart failure between screening (V1) and randomisation (V2).	197.131	DX	POSTPROCEDURAL HEART FAILURE FOLLOWING OTHER SURGERY	ICD-10-CM
9b	If BMI <35.0: NT-proBNP \geq 220 pg/mL (for patients with sinus rhythm) or NT-proBNP \geq 660 pg/mL (for patients with persistent/permanent atrial fibrillation); if BMI \geq 35.0: NT-proBNP \geq 125 pg/mL (for patients with sinus rhythm) or NT-proBNP \geq 375 pg/mL (for patients with persistent/permanent atrial fibrillation) at screening (NT-proBNP analysed by the central laboratory) in combination with at least one of the following (documented by echocardiography within 12 months prior to or at screening): i. Septal ϵ < 7cm/sec or lateral ϵ < 10 cm/sec or average E/ ϵ \geq 15 ii. PA systolic pressure >35mmHg iii. Left atrial (LA) enlargement (LA width \geq 3.8 cm or LA length \geq 5.0cm or LA area \geq 20.0cm ² or LA volume \geq 55mL or LA volume index \geq 29mL/m ²) iv. LV hypertrophy with septal thickness or posterior wall thickness \geq 1.2cm	150.2	DX	SYSTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
9b	If BMI <35.0: NT-proBNP \geq 220 pg/mL (for patients with sinus rhythm) or NT-proBNP \geq 660 pg/mL (for patients with persistent/permanent atrial fibrillation); if BMI \geq 35.0: NT-proBNP \geq 125 pg/mL (for patients with sinus rhythm) or NT-proBNP \geq 375 pg/mL (for patients with persistent/permanent atrial fibrillation) at screening (NT-proBNP analysed by the central laboratory) in combination with at least one of the following (documented by echocardiography within 12 months prior to or at screening): i. Septal ϵ < 7cm/sec or lateral ϵ < 10 cm/sec or average E/ ϵ \geq 15 ii. PA systolic pressure >35mmHg iii. Left atrial (LA) enlargement (LA width \geq 3.8 cm or LA length \geq 5.0cm or LA area \geq 20.0cm ² or LA volume \geq 55mL or LA volume index \geq 29mL/m ²) iv. LV hypertrophy with septal thickness or posterior wall thickness \geq 1.2cm	150.20	DX	UNSPECIFIED SYSTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM

<p>9b If BMI <35.0: NT-proBNP ≥ 220 pg/mL (for patients with sinus rhythm) or NTproBNP ≥660 pg/mL (for patients with persistent/permanent atrial fibrillation); if BMI ≥ 35.0: NT-proBNP ≥ 125 pg/mL (for patients with sinus rhythm) or NTproBNP ≥ 375 pg/mL (for patients with persistent/permanent atrial fibrillation) at screening (NT-proBNP analysed by the central laboratory) in combination with at least one of the following (documented by echocardiography within 12 months prior to or at screening): i. Septal ϵ < 7 cm/sec or lateral ϵ < 10 cm/sec or average E/ϵ ≥ 15 ii. PA systolic pressure >35mmHg iii. Left atrial (LA) enlargement (LA width ≥3.8 cm or LA length ≥ 5.0cm or LA area ≥ 20.0cm² or LA volume ≥ 55mL or LA volume index ≥29mL/m²) iv. LV hypertrophy with septal thickness or posterior wall thickness ≥1.2cm</p>	150.21	DX	ACUTE SYSTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
<p>9b If BMI <35.0: NT-proBNP ≥ 220 pg/mL (for patients with sinus rhythm) or NTproBNP ≥660 pg/mL (for patients with persistent/permanent atrial fibrillation); if BMI ≥ 35.0: NT-proBNP ≥ 125 pg/mL (for patients with sinus rhythm) or NTproBNP ≥ 375 pg/mL (for patients with persistent/permanent atrial fibrillation) at screening (NT-proBNP analysed by the central laboratory) in combination with at least one of the following (documented by echocardiography within 12 months prior to or at screening): i. Septal ϵ < 7 cm/sec or lateral ϵ < 10 cm/sec or average E/ϵ ≥ 15 ii. PA systolic pressure >35mmHg iii. Left atrial (LA) enlargement (LA width ≥3.8 cm or LA length ≥ 5.0cm or LA area ≥ 20.0cm² or LA volume ≥ 55mL or LA volume index ≥29mL/m²) iv. LV hypertrophy with septal thickness or posterior wall thickness ≥1.2cm</p>	150.22	DX	CHRONIC SYSTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
<p>9b If BMI <35.0: NT-proBNP ≥ 220 pg/mL (for patients with sinus rhythm) or NTproBNP ≥660 pg/mL (for patients with persistent/permanent atrial fibrillation); if BMI ≥ 35.0: NT-proBNP ≥ 125 pg/mL (for patients with sinus rhythm) or NTproBNP ≥ 375 pg/mL (for patients with persistent/permanent atrial fibrillation) at screening (NT-proBNP analysed by the central laboratory) in combination with at least one of the following (documented by echocardiography within 12 months prior to or at screening): i. Septal ϵ < 7 cm/sec or lateral ϵ < 10 cm/sec or average E/ϵ ≥ 15 ii. PA systolic pressure >35mmHg iii. Left atrial (LA) enlargement (LA width ≥3.8 cm or LA length ≥ 5.0cm or LA area ≥ 20.0cm² or LA volume ≥ 55mL or LA volume index ≥29mL/m²) iv. LV hypertrophy with septal thickness or posterior wall thickness ≥1.2cm</p>	150.23	DX	ACUTE ON CHRONIC SYSTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
<p>9b If BMI <35.0: NT-proBNP ≥ 220 pg/mL (for patients with sinus rhythm) or NTproBNP ≥660 pg/mL (for patients with persistent/permanent atrial fibrillation); if BMI ≥ 35.0: NT-proBNP ≥ 125 pg/mL (for patients with sinus rhythm) or NTproBNP ≥ 375 pg/mL (for patients with persistent/permanent atrial fibrillation) at screening (NT-proBNP analysed by the central laboratory) in combination with at least one of the following (documented by echocardiography within 12 months prior to or at screening): i. Septal ϵ < 7 cm/sec or lateral ϵ < 10 cm/sec or average E/ϵ ≥ 15 ii. PA systolic pressure >35mmHg iii. Left atrial (LA) enlargement (LA width ≥3.8 cm or LA length ≥ 5.0cm or LA area ≥ 20.0cm² or LA volume ≥ 55mL or LA volume index ≥29mL/m²) iv. LV hypertrophy with septal thickness or posterior wall thickness ≥1.2cm</p>	150.3	DX	DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM

<p>9b If BMI <35.0: NT-proBNP ≥ 220 pg/mL (for patients with sinus rhythm) or NTproBNP ≥660 pg/mL (for patients with persistent/permanent atrial fibrillation); if BMI ≥ 35.0: NT-proBNP ≥ 125 pg/mL (for patients with sinus rhythm) or NTproBNP ≥ 375 pg/mL (for patients with persistent/permanent atrial fibrillation) at screening (NT-proBNP analysed by the central laboratory) in combination with at least one of the following (documented by echocardiography within 12 months prior to or at screening): i. Septal ϵ < 7 cm/sec or lateral ϵ < 10 cm/sec or average E/ϵ ≥ 15 ii. PA systolic pressure >35mmHg iii. Left atrial (LA) enlargement (LA width ≥3.8 cm or LA length ≥ 5.0cm or LA area ≥ 20.0cm² or LA volume ≥ 55mL or LA volume index ≥29mL/m²) iv. LV hypertrophy with septal thickness or posterior wall thickness ≥1.2cm</p>	150.30	DX	UNSPECIFIED DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
<p>9b If BMI <35.0: NT-proBNP ≥ 220 pg/mL (for patients with sinus rhythm) or NTproBNP ≥660 pg/mL (for patients with persistent/permanent atrial fibrillation); if BMI ≥ 35.0: NT-proBNP ≥ 125 pg/mL (for patients with sinus rhythm) or NTproBNP ≥ 375 pg/mL (for patients with persistent/permanent atrial fibrillation) at screening (NT-proBNP analysed by the central laboratory) in combination with at least one of the following (documented by echocardiography within 12 months prior to or at screening): i. Septal ϵ < 7 cm/sec or lateral ϵ < 10 cm/sec or average E/ϵ ≥ 15 ii. PA systolic pressure >35mmHg iii. Left atrial (LA) enlargement (LA width ≥3.8 cm or LA length ≥ 5.0cm or LA area ≥ 20.0cm² or LA volume ≥ 55mL or LA volume index ≥29mL/m²) iv. LV hypertrophy with septal thickness or posterior wall thickness ≥1.2cm</p>	150.31	DX	ACUTE DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
<p>9b If BMI <35.0: NT-proBNP ≥ 220 pg/mL (for patients with sinus rhythm) or NTproBNP ≥660 pg/mL (for patients with persistent/permanent atrial fibrillation); if BMI ≥ 35.0: NT-proBNP ≥ 125 pg/mL (for patients with sinus rhythm) or NTproBNP ≥ 375 pg/mL (for patients with persistent/permanent atrial fibrillation) at screening (NT-proBNP analysed by the central laboratory) in combination with at least one of the following (documented by echocardiography within 12 months prior to or at screening): i. Septal ϵ < 7 cm/sec or lateral ϵ < 10 cm/sec or average E/ϵ ≥ 15 ii. PA systolic pressure >35mmHg iii. Left atrial (LA) enlargement (LA width ≥3.8 cm or LA length ≥ 5.0cm or LA area ≥ 20.0cm² or LA volume ≥ 55mL or LA volume index ≥29mL/m²) iv. LV hypertrophy with septal thickness or posterior wall thickness ≥1.2cm</p>	150.32	DX	CHRONIC DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
<p>9b If BMI <35.0: NT-proBNP ≥ 220 pg/mL (for patients with sinus rhythm) or NTproBNP ≥660 pg/mL (for patients with persistent/permanent atrial fibrillation); if BMI ≥ 35.0: NT-proBNP ≥ 125 pg/mL (for patients with sinus rhythm) or NTproBNP ≥ 375 pg/mL (for patients with persistent/permanent atrial fibrillation) at screening (NT-proBNP analysed by the central laboratory) in combination with at least one of the following (documented by echocardiography within 12 months prior to or at screening): i. Septal ϵ < 7 cm/sec or lateral ϵ < 10 cm/sec or average E/ϵ ≥ 15 ii. PA systolic pressure >35mmHg iii. Left atrial (LA) enlargement (LA width ≥3.8 cm or LA length ≥ 5.0cm or LA area ≥ 20.0cm² or LA volume ≥ 55mL or LA volume index ≥29mL/m²) iv. LV hypertrophy with septal thickness or posterior wall thickness ≥1.2cm</p>	150.33	DX	ACUTE ON CHRONIC DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM

<p>9b If BMI <35.0: NT-proBNP ≥ 220 pg/mL (for patients with sinus rhythm) or NTproBNP ≥ 660 pg/mL (for patients with persistent/permanent atrial fibrillation); if BMI ≥ 35.0: NT-proBNP ≥ 125 pg/mL (for patients with sinus rhythm) or NTproBNP ≥ 375 pg/mL (for patients with persistent/permanent atrial fibrillation) at screening (NT-proBNP analysed by the central laboratory) in combination with at least one of the following (documented by echocardiography within 12 months prior to or at screening): i. Septal ϵ < 7 cm/sec or lateral ϵ < 10 cm/sec or average E/ϵ ≥ 15 ii. PA systolic pressure > 35 mmHg iii. Left atrial (LA) enlargement (LA width ≥ 3.8 cm or LA length ≥ 5.0 cm or LA area ≥ 20.0 cm² or LA volume ≥ 55 mL or LA volume index ≥ 29 mL/m²) iv. LV hypertrophy with septal thickness or posterior wall thickness ≥ 1.2 cm</p>	150.4	DX	COMBINED SYSTOLIC (CONGESTIVE) AND DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
<p>9b If BMI <35.0: NT-proBNP ≥ 220 pg/mL (for patients with sinus rhythm) or NTproBNP ≥ 660 pg/mL (for patients with persistent/permanent atrial fibrillation); if BMI ≥ 35.0: NT-proBNP ≥ 125 pg/mL (for patients with sinus rhythm) or NTproBNP ≥ 375 pg/mL (for patients with persistent/permanent atrial fibrillation) at screening (NT-proBNP analysed by the central laboratory) in combination with at least one of the following (documented by echocardiography within 12 months prior to or at screening): i. Septal ϵ < 7 cm/sec or lateral ϵ < 10 cm/sec or average E/ϵ ≥ 15 ii. PA systolic pressure > 35 mmHg iii. Left atrial (LA) enlargement (LA width ≥ 3.8 cm or LA length ≥ 5.0 cm or LA area ≥ 20.0 cm² or LA volume ≥ 55 mL or LA volume index ≥ 29 mL/m²) iv. LV hypertrophy with septal thickness or posterior wall thickness ≥ 1.2 cm</p>	150.40	DX	UNSPECIFIED COMBINED SYSTOLIC (CONGESTIVE) AND DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
<p>9b If BMI <35.0: NT-proBNP ≥ 220 pg/mL (for patients with sinus rhythm) or NTproBNP ≥ 660 pg/mL (for patients with persistent/permanent atrial fibrillation); if BMI ≥ 35.0: NT-proBNP ≥ 125 pg/mL (for patients with sinus rhythm) or NTproBNP ≥ 375 pg/mL (for patients with persistent/permanent atrial fibrillation) at screening (NT-proBNP analysed by the central laboratory) in combination with at least one of the following (documented by echocardiography within 12 months prior to or at screening): i. Septal ϵ < 7 cm/sec or lateral ϵ < 10 cm/sec or average E/ϵ ≥ 15 ii. PA systolic pressure > 35 mmHg iii. Left atrial (LA) enlargement (LA width ≥ 3.8 cm or LA length ≥ 5.0 cm or LA area ≥ 20.0 cm² or LA volume ≥ 55 mL or LA volume index ≥ 29 mL/m²) iv. LV hypertrophy with septal thickness or posterior wall thickness ≥ 1.2 cm</p>	150.41	DX	ACUTE COMBINED SYSTOLIC (CONGESTIVE) AND DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
<p>9b If BMI <35.0: NT-proBNP ≥ 220 pg/mL (for patients with sinus rhythm) or NTproBNP ≥ 660 pg/mL (for patients with persistent/permanent atrial fibrillation); if BMI ≥ 35.0: NT-proBNP ≥ 125 pg/mL (for patients with sinus rhythm) or NTproBNP ≥ 375 pg/mL (for patients with persistent/permanent atrial fibrillation) at screening (NT-proBNP analysed by the central laboratory) in combination with at least one of the following (documented by echocardiography within 12 months prior to or at screening): i. Septal ϵ < 7 cm/sec or lateral ϵ < 10 cm/sec or average E/ϵ ≥ 15 ii. PA systolic pressure > 35 mmHg iii. Left atrial (LA) enlargement (LA width ≥ 3.8 cm or LA length ≥ 5.0 cm or LA area ≥ 20.0 cm² or LA volume ≥ 55 mL or LA volume index ≥ 29 mL/m²) iv. LV hypertrophy with septal thickness or posterior wall thickness ≥ 1.2 cm</p>	150.42	DX	CHRONIC COMBINED SYSTOLIC (CONGESTIVE) AND DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM

9b	If BMI <35.0: NT-proBNP ≥ 220 pg/mL (for patients with sinus rhythm) or NTproBNP ≥ 660 pg/mL (for patients with persistent/permanent atrial fibrillation); if BMI ≥ 35.0: NT-proBNP ≥ 125 pg/mL (for patients with sinus rhythm) or NTproBNP ≥ 375 pg/mL (for patients with persistent/permanent atrial fibrillation) at screening (NT-proBNP analysed by the central laboratory) in combination with at least one of the following (documented by echocardiography within 12 months prior to or at screening): i. Septal ϵ < 7 cm/sec or lateral ϵ < 10 cm/sec or average E/ ϵ ≥ 15 ii. PA systolic pressure > 35 mmHg iii. Left atrial (LA) enlargement (LA width ≥ 3.8 cm or LA length ≥ 5.0 cm or LA area ≥ 20.0 cm ² or LA volume ≥ 55 mL or LA volume index ≥ 29 mL/m ²) iv. LV hypertrophy with septal thickness or posterior wall thickness ≥ 1.2 cm	150.43	DX	ACUTE ON CHRONIC COMBINED SYSTOLIC (CONGESTIVE) AND DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
9b	If BMI <35.0: NT-proBNP ≥ 220 pg/mL (for patients with sinus rhythm) or NTproBNP ≥ 660 pg/mL (for patients with persistent/permanent atrial fibrillation); if BMI ≥ 35.0: NT-proBNP ≥ 125 pg/mL (for patients with sinus rhythm) or NTproBNP ≥ 375 pg/mL (for patients with persistent/permanent atrial fibrillation) at screening (NT-proBNP analysed by the central laboratory) in combination with at least one of the following (documented by echocardiography within 12 months prior to or at screening): i. Septal ϵ < 7 cm/sec or lateral ϵ < 10 cm/sec or average E/ ϵ ≥ 15 ii. PA systolic pressure > 35 mmHg iii. Left atrial (LA) enlargement (LA width ≥ 3.8 cm or LA length ≥ 5.0 cm or LA area ≥ 20.0 cm ² or LA volume ≥ 55 mL or LA volume index ≥ 29 mL/m ²) iv. LV hypertrophy with septal thickness or posterior wall thickness ≥ 1.2 cm	150.811	DX	ACUTE RIGHT HEART FAILURE	ICD-10-CM
9b	If BMI <35.0: NT-proBNP ≥ 220 pg/mL (for patients with sinus rhythm) or NTproBNP ≥ 660 pg/mL (for patients with persistent/permanent atrial fibrillation); if BMI ≥ 35.0: NT-proBNP ≥ 125 pg/mL (for patients with sinus rhythm) or NTproBNP ≥ 375 pg/mL (for patients with persistent/permanent atrial fibrillation) at screening (NT-proBNP analysed by the central laboratory) in combination with at least one of the following (documented by echocardiography within 12 months prior to or at screening): i. Septal ϵ < 7 cm/sec or lateral ϵ < 10 cm/sec or average E/ ϵ ≥ 15 ii. PA systolic pressure > 35 mmHg iii. Left atrial (LA) enlargement (LA width ≥ 3.8 cm or LA length ≥ 5.0 cm or LA area ≥ 20.0 cm ² or LA volume ≥ 55 mL or LA volume index ≥ 29 mL/m ²) iv. LV hypertrophy with septal thickness or posterior wall thickness ≥ 1.2 cm	150.813	DX	ACUTE ON CHRONIC RIGHT HEART FAILURE	ICD-10-CM
9b	If BMI <35.0: NT-proBNP ≥ 220 pg/mL (for patients with sinus rhythm) or NTproBNP ≥ 660 pg/mL (for patients with persistent/permanent atrial fibrillation); if BMI ≥ 35.0: NT-proBNP ≥ 125 pg/mL (for patients with sinus rhythm) or NTproBNP ≥ 375 pg/mL (for patients with persistent/permanent atrial fibrillation) at screening (NT-proBNP analysed by the central laboratory) in combination with at least one of the following (documented by echocardiography within 12 months prior to or at screening): i. Septal ϵ < 7 cm/sec or lateral ϵ < 10 cm/sec or average E/ ϵ ≥ 15 ii. PA systolic pressure > 35 mmHg iii. Left atrial (LA) enlargement (LA width ≥ 3.8 cm or LA length ≥ 5.0 cm or LA area ≥ 20.0 cm ² or LA volume ≥ 55 mL or LA volume index ≥ 29 mL/m ²) iv. LV hypertrophy with septal thickness or posterior wall thickness ≥ 1.2 cm	150.84	DX	END STAGE HEART FAILURE	ICD-10-CM
9c	Heart failure	109.81	DX	RHEUMATIC HEART FAILURE	ICD-10-CM
9c	Heart failure	111.0	DX	HYPERTENSIVE HEART DISEASE WITH HEART FAILURE	ICD-10-CM
9c	Heart failure	113.0	DX	HYPERTENSIVE HEART AND CHRONIC KIDNEY DISEASE WITH HEART FAILURE AND STAGE 1 THROUGH STAGE 4 CHRONIC KIDNEY DISEASE, OR UNSPECIFIED CHRONIC KIDNEY DISEASE	ICD-10-CM
9c	Heart failure	113.2	DX	HYPERTENSIVE HEART AND CHRONIC KIDNEY DISEASE WITH HEART FAILURE AND WITH STAGE 5 CHRONIC KIDNEY DISEASE, OR END STAGE RENAL DISEASE	ICD-10-CM
9c	Heart failure	150	DX	HEART FAILURE	ICD-10-CM
9c	Heart failure	150.1	DX	LEFT VENTRICULAR FAILURE, UNSPECIFIED	ICD-10-CM
9c	Heart failure	150.2	DX	SYSTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
9c	Heart failure	150.20	DX	UNSPECIFIED SYSTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
9c	Heart failure	150.21	DX	ACUTE SYSTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
9c	Heart failure	150.22	DX	CHRONIC SYSTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
9c	Heart failure	150.23	DX	ACUTE ON CHRONIC SYSTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
9c	Heart failure	150.3	DX	DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
9c	Heart failure	150.30	DX	UNSPECIFIED DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
9c	Heart failure	150.31	DX	ACUTE DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
9c	Heart failure	150.32	DX	CHRONIC DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
9c	Heart failure	150.33	DX	ACUTE ON CHRONIC DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM

9c Heart failure	I50.4	DX	COMBINED SYSTOLIC (CONGESTIVE) AND DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
9c Heart failure	I50.40	DX	UNSPECIFIED COMBINED SYSTOLIC (CONGESTIVE) AND DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
9c Heart failure	I50.41	DX	ACUTE COMBINED SYSTOLIC (CONGESTIVE) AND DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
9c Heart failure	I50.42	DX	CHRONIC COMBINED SYSTOLIC (CONGESTIVE) AND DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
9c Heart failure	I50.43	DX	ACUTE ON CHRONIC COMBINED SYSTOLIC (CONGESTIVE) AND DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
9c Heart failure	I50.8	DX	OTHER HEART FAILURE	ICD-10-CM
9c Heart failure	I50.810	DX	RIGHT HEART FAILURE, UNSPECIFIED	ICD-10-CM
9c Heart failure	I50.811	DX	ACUTE RIGHT HEART FAILURE	ICD-10-CM
9c Heart failure	I50.812	DX	CHRONIC RIGHT HEART FAILURE	ICD-10-CM
9c Heart failure	I50.813	DX	ACUTE ON CHRONIC RIGHT HEART FAILURE	ICD-10-CM
9c Heart failure	I50.814	DX	RIGHT HEART FAILURE DUE TO LEFT HEART FAILURE	ICD-10-CM
9c Heart failure	I50.82	DX	BIVENTRICULAR HEART FAILURE	ICD-10-CM
9c Heart failure	I50.83	DX	HIGH OUTPUT HEART FAILURE	ICD-10-CM
9c Heart failure	I50.84	DX	END STAGE HEART FAILURE	ICD-10-CM
9c Heart failure	I50.89	DX	OTHER HEART FAILURE	ICD-10-CM
9c Heart failure	I50.9	DX	HEART FAILURE, UNSPECIFIED	ICD-10-CM
9c Heart failure	I97.130	DX	POSTPROCEDURAL HEART FAILURE FOLLOWING CARDIAC SURGERY	ICD-10-CM
9c Heart failure	I97.131	DX	POSTPROCEDURAL HEART FAILURE FOLLOWING OTHER SURGERY	ICD-10-CM
9c Diuretics	BENDROFLUMETHIAZIDE	RX		Generic
9c Diuretics	CHLOROTHIAZIDE	RX		Generic
9c Diuretics	CHLOROTHIAZIDE SODIUM	RX		Generic
9c Diuretics	CHLORTHALIDONE	RX		Generic
9c Diuretics	CLONIDINE HCL/CHLORTHALIDONE	RX		Generic
9c Diuretics	HYDROCHLOROTHIAZIDE	RX		Generic
9c Diuretics	POLYTHIAZIDE	RX		Generic
9c Diuretics	PRAZOSIN HCL/POLYTHIAZIDE	RX		Generic
9c Diuretics	RESERPINE/POLYTHIAZIDE	RX		Generic
9c Diuretics	INDAPAMIDE	RX		Generic
9c Diuretics	METOLAZONE	RX		Generic
9c Diuretics	BUMETANIDE	RX		Generic
9c Diuretics	FUROSEMIDE	RX		Generic
9c Diuretics	FUROSEMIDE IN 0.9% SODIUM CHLORIDE	RX		Generic
9c Diuretics	FUROSEMIDE/DEXTROSE 5% IN WATER	RX		Generic
9c Diuretics	TORSEMIDE	RX		Generic
9c Diuretics	AMILORIDE HCL	RX		Generic
9c Diuretics	AMILORIDE HCL/HYDROCHLOROTHIAZIDE	RX		Generic
9c Diuretics	TRIAMTERENE	RX		Generic
9c Diuretics	TRIAMTERENE/HYDROCHLOROTHIAZIDE	RX		Generic
9c Diuretics	EPLERENONE	RX		Generic
9c Diuretics	SPIRONOLACTONE	RX		Generic
9c Diuretics	SPIRONOLACTONE, MICRONIZED	RX		Generic
9c Diuretics	SPIRONOLACTONE/HYDROCHLOROTHIAZIDE	RX		Generic
9c Diuretics	SPIRONOLACTONE/NIACINAMIDE	RX		Generic
9c Diuretics	FINERENONE	RX		Generic
9c Diuretics	TOLVAPTAN	RX		Generic
9c Diuretics	ACETAZOLAMIDE	RX		Generic
9c Diuretics	METHAZOLAMIDE	RX		Generic
9c Diuretics	J120	PX	INJECTION, ACETAZOLAMIDE SODIUM, UP TO 500 MG	CPT/HCPCS
9c Diuretics	J1205	PX	INJECTION, CHLOROTHIAZIDE SODIUM, PER 500 MG	CPT/HCPCS
9c Diuretics	J1940	PX	INJECTION, FUROSEMIDE, UP TO 20 MG	CPT/HCPCS
9c Diuretics	J2150	PX	INJECTION, MANNITOL, 25% IN 50 ML	CPT/HCPCS
9c Diuretics	J3265	PX	INJECTION, TORSEMIDE, 10 MG/ML	CPT/HCPCS
9c Diuretics	J3350	PX	INJECTION, UREA, UP TO 40 GM	CPT/HCPCS
9c Diuretics	S0171	PX	INJECTION, BUMETANIDE, 0.5 MG	CPT/HCPCS
9c Diuretics	S9361	PX	HOME INFUSION THERAPY, DIURETIC INTRAVENOUS THERAPY; ADMINISTRATIVE SERVICES, PROFESSIONAL PHARMACY SERVICES, CARE COORDINATION, AND ALL NECESSARY SUPPLIES AND EQUIPMENT (DRUGS AND NURSING VISITS CODED SEPARATELY), PER DIEM	CPT/HCPCS
10 Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.0	DX	TYPE 2 DIABETES MELLITUS WITH HYPEROSMOLARITY	ICD-10-CM
10 Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.00	DX	TYPE 2 DIABETES MELLITUS WITH HYPEROSMOLARITY WITHOUT NONKETOTIC HYPERGLYCEMIC-HYPEROSMOLAR COMA (NKHHC)	ICD-10-CM
10 Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.01	DX	TYPE 2 DIABETES MELLITUS WITH HYPEROSMOLARITY WITH COMA	ICD-10-CM
10 Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.1	DX	TYPE 2 DIABETES MELLITUS WITH KETOACIDOSIS	ICD-10-CM
10 Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.10	DX	TYPE 2 DIABETES MELLITUS WITH KETOACIDOSIS WITHOUT COMA	ICD-10-CM
10 Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.11	DX	TYPE 2 DIABETES MELLITUS WITH KETOACIDOSIS WITH COMA	ICD-10-CM
10 Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.2	DX	TYPE 2 DIABETES MELLITUS WITH KIDNEY COMPLICATIONS	ICD-10-CM
10 Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.21	DX	TYPE 2 DIABETES MELLITUS WITH DIABETIC NEPHROPATHY	ICD-10-CM
10 Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.22	DX	TYPE 2 DIABETES MELLITUS WITH DIABETIC CHRONIC KIDNEY DISEASE	ICD-10-CM
10 Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.29	DX	TYPE 2 DIABETES MELLITUS WITH OTHER DIABETIC KIDNEY COMPLICATION	ICD-10-CM
10 Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.3	DX	TYPE 2 DIABETES MELLITUS WITH OPHTHALMIC COMPLICATIONS	ICD-10-CM
10 Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.31	DX	TYPE 2 DIABETES MELLITUS WITH UNSPECIFIED DIABETIC RETINOPATHY	ICD-10-CM
10 Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.311	DX	TYPE 2 DIABETES MELLITUS WITH UNSPECIFIED DIABETIC RETINOPATHY WITH MACULAR EDEMA	ICD-10-CM
10 Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.319	DX	TYPE 2 DIABETES MELLITUS WITH UNSPECIFIED DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA	ICD-10-CM
10 Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.32	DX	TYPE 2 DIABETES MELLITUS WITH MILD NONPROLIFERATIVE DIABETIC RETINOPATHY	ICD-10-CM
10 Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.321	DX	TYPE 2 DIABETES MELLITUS WITH MILD NONPROLIFERATIVE DIABETIC RETINOPATHY WITH MACULAR EDEMA	ICD-10-CM
10 Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.3211	DX	TYPE 2 DIABETES MELLITUS WITH MILD NONPROLIFERATIVE DIABETIC RETINOPATHY WITH MACULAR EDEMA, RIGHT EYE	ICD-10-CM
10 Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.3212	DX	TYPE 2 DIABETES MELLITUS WITH MILD NONPROLIFERATIVE DIABETIC RETINOPATHY WITH MACULAR EDEMA, LEFT EYE	ICD-10-CM

10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.3542		DX	TYPE 2 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITH COMBINED TRACTION RETINAL DETACHMENT AND RHEGMATOGENOUS RETINAL DETACHMENT, LEFT EYE	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.3543		DX	TYPE 2 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITH COMBINED TRACTION RETINAL DETACHMENT AND RHEGMATOGENOUS RETINAL DETACHMENT, BILATERAL	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.3549		DX	TYPE 2 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITH COMBINED TRACTION RETINAL DETACHMENT AND RHEGMATOGENOUS RETINAL DETACHMENT, UNSPECIFIED EYE	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.355		DX	TYPE 2 DIABETES MELLITUS WITH STABLE PROLIFERATIVE DIABETIC RETINOPATHY	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.3551		DX	TYPE 2 DIABETES MELLITUS WITH STABLE PROLIFERATIVE DIABETIC RETINOPATHY, RIGHT EYE	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.3552		DX	TYPE 2 DIABETES MELLITUS WITH STABLE PROLIFERATIVE DIABETIC RETINOPATHY, LEFT EYE	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.3553		DX	TYPE 2 DIABETES MELLITUS WITH STABLE PROLIFERATIVE DIABETIC RETINOPATHY, BILATERAL	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.3559		DX	TYPE 2 DIABETES MELLITUS WITH STABLE PROLIFERATIVE DIABETIC RETINOPATHY, UNSPECIFIED EYE	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.359		DX	TYPE 2 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.3591		DX	TYPE 2 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA, RIGHT EYE	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.3592		DX	TYPE 2 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA, LEFT EYE	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.3593		DX	TYPE 2 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA, BILATERAL	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.3599		DX	TYPE 2 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA, UNSPECIFIED EYE	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.36		DX	TYPE 2 DIABETES MELLITUS WITH DIABETIC CATARACT	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.37		DX	TYPE 2 DIABETES MELLITUS WITH DIABETIC MACULAR EDEMA, RESOLVED FOLLOWING TREATMENT	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.37X1		DX	TYPE 2 DIABETES MELLITUS WITH DIABETIC MACULAR EDEMA, RESOLVED FOLLOWING TREATMENT, RIGHT EYE	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.37X2		DX	TYPE 2 DIABETES MELLITUS WITH DIABETIC MACULAR EDEMA, RESOLVED FOLLOWING TREATMENT, LEFT EYE	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.37X3		DX	TYPE 2 DIABETES MELLITUS WITH DIABETIC MACULAR EDEMA, RESOLVED FOLLOWING TREATMENT, BILATERAL	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.37X9		DX	TYPE 2 DIABETES MELLITUS WITH DIABETIC MACULAR EDEMA, RESOLVED FOLLOWING TREATMENT, UNSPECIFIED EYE	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.39		DX	TYPE 2 DIABETES MELLITUS WITH OTHER DIABETIC OPHTHALMIC COMPLICATION	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.4		DX	TYPE 2 DIABETES MELLITUS WITH NEUROLOGICAL COMPLICATIONS	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.40		DX	TYPE 2 DIABETES MELLITUS WITH DIABETIC NEUROPATHY, UNSPECIFIED	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.41		DX	TYPE 2 DIABETES MELLITUS WITH DIABETIC MONONEUROPATHY	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.42		DX	TYPE 2 DIABETES MELLITUS WITH DIABETIC POLYNEUROPATHY	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.43		DX	TYPE 2 DIABETES MELLITUS WITH DIABETIC AUTONOMIC (POLY)NEUROPATHY	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.44		DX	TYPE 2 DIABETES MELLITUS WITH DIABETIC AMYOTROPHY	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.49		DX	TYPE 2 DIABETES MELLITUS WITH OTHER DIABETIC NEUROLOGICAL COMPLICATION	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.5		DX	TYPE 2 DIABETES MELLITUS WITH CIRCULATORY COMPLICATIONS	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.51		DX	TYPE 2 DIABETES MELLITUS WITH DIABETIC PERIPHERAL ANGIOPATHY WITHOUT GANGRENE	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.52		DX	TYPE 2 DIABETES MELLITUS WITH DIABETIC PERIPHERAL ANGIOPATHY WITH GANGRENE	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.59		DX	TYPE 2 DIABETES MELLITUS WITH OTHER CIRCULATORY COMPLICATIONS	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.6		DX	TYPE 2 DIABETES MELLITUS WITH OTHER SPECIFIED COMPLICATIONS	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.61		DX	TYPE 2 DIABETES MELLITUS WITH DIABETIC ARTHROPATHY	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.610		DX	TYPE 2 DIABETES MELLITUS WITH DIABETIC NEUROPATHIC ARTHROPATHY	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.618		DX	TYPE 2 DIABETES MELLITUS WITH OTHER DIABETIC ARTHROPATHY	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.62		DX	TYPE 2 DIABETES MELLITUS WITH SKIN COMPLICATIONS	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.620		DX	TYPE 2 DIABETES MELLITUS WITH DIABETIC DERMATITIS	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.621		DX	TYPE 2 DIABETES MELLITUS WITH FOOT ULCER	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.622		DX	TYPE 2 DIABETES MELLITUS WITH OTHER SKIN ULCER	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.628		DX	TYPE 2 DIABETES MELLITUS WITH OTHER SKIN COMPLICATIONS	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.63		DX	TYPE 2 DIABETES MELLITUS WITH ORAL COMPLICATIONS	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.630		DX	TYPE 2 DIABETES MELLITUS WITH PERIODONTAL DISEASE	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.638		DX	TYPE 2 DIABETES MELLITUS WITH OTHER ORAL COMPLICATIONS	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.64		DX	TYPE 2 DIABETES MELLITUS WITH HYPOGLYCEMIA	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.641		DX	TYPE 2 DIABETES MELLITUS WITH HYPOGLYCEMIA WITH COMA	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.649		DX	TYPE 2 DIABETES MELLITUS WITH HYPOGLYCEMIA WITHOUT COMA	ICD-10-CM
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.65		DX	TYPE 2 DIABETES MELLITUS WITH HYPERGLYCEMIA	ICD-10-CM

10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.69	DX	TYPE 2 DIABETES MELLITUS WITH OTHER SPECIFIED COMPLICATION	ICD-10-CM	
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.8	DX	TYPE 2 DIABETES MELLITUS WITH UNSPECIFIED COMPLICATIONS	ICD-10-CM	
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	E11.9	DX	TYPE 2 DIABETES MELLITUS WITHOUT COMPLICATIONS	ICD-10-CM	
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	METFORMIN HCL	RX		Generic	Metformin
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	METFORMIN HCL/BLOOD SUGAR DIAGNOSTIC	RX		Generic	Metformin
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	METFORMIN/AMINO ACIDS NO.7/HERBAL CMB.125/CHOLINE BITARTRATE	RX		Generic	Metformin
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	METFORMIN/CAFFEINE/AMINO ACIDS 7/HERBAL COMB 125/CHOLINE BIT	RX		Generic	Metformin
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	ACETOHEXAMIDE	RX		Generic	Sulfonylureas 1st generation
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	CHLORPROPAMIDE	RX		Generic	Sulfonylureas 1st generation
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	TOLAZAMIDE	RX		Generic	Sulfonylureas 1st generation
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	TOLBUTAMIDE	RX		Generic	Sulfonylureas 1st generation
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	GLIMEPIRIDE	RX		Generic	Sulfonylureas 2nd generation
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	GLIPIZIDE	RX		Generic	Sulfonylureas 2nd generation
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	GLIPIZIDE/METFORMIN HCL	RX		Generic	Sulfonylureas 2nd generation

11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening: o *OAD(s): unchanged drug(s), dose and dosing frequency o *Insulin(s): unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	GLYBURIDE	RX	Generic	Sulfonylureas 2nd generation
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening: o *OAD(s): unchanged drug(s), dose and dosing frequency o *Insulin(s): unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	GLYBURIDE.MICRONIZED	RX	Generic	Sulfonylureas 2nd generation
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening: o *OAD(s): unchanged drug(s), dose and dosing frequency o *Insulin(s): unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	GLYBURIDE/METFORMIN HCL	RX	Generic	Sulfonylureas 2nd generation
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening: o *OAD(s): unchanged drug(s), dose and dosing frequency o *Insulin(s): unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	CANAGLIFLOZIN	RX	Generic	SGLT2i
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening: o *OAD(s): unchanged drug(s), dose and dosing frequency o *Insulin(s): unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	CANAGLIFLOZIN/METFORMIN HCL	RX	Generic	SGLT2i
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening: o *OAD(s): unchanged drug(s), dose and dosing frequency o *Insulin(s): unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	DAPAGLIFLOZIN PROPANEDIOL	RX	Generic	SGLT2i
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening: o *OAD(s): unchanged drug(s), dose and dosing frequency o *Insulin(s): unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	DAPAGLIFLOZIN PROPANEDIOL/METFORMIN HCL	RX	Generic	SGLT2i
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening: o *OAD(s): unchanged drug(s), dose and dosing frequency o *Insulin(s): unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	DAPAGLIFLOZIN PROPANEDIOL/SAXAGLIPTIN HCL	RX	Generic	SGLT2i
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening: o *OAD(s): unchanged drug(s), dose and dosing frequency o *Insulin(s): unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	EMPAGLIFLOZIN	RX	Generic	SGLT2i
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening: o *OAD(s): unchanged drug(s), dose and dosing frequency o *Insulin(s): unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	EMPAGLIFLOZIN/LINAGLIPTIN	RX	Generic	SGLT2i
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening: o *OAD(s): unchanged drug(s), dose and dosing frequency o *Insulin(s): unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	EMPAGLIFLOZIN/LINAGLIPTIN/METFORMIN HCL	RX	Generic	SGLT2i

11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	EMPAGLIFLOZIN/METFORMIN HCL	RX	Generic	SGLT2i
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	ERTUGLIFLOZIN PIDOLATE	RX	Generic	SGLT2i
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	ERTUGLIFLOZIN PIDOLATE/METFORMIN HCL	RX	Generic	SGLT2i
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	ERTUGLIFLOZIN PIDOLATE/SITAGLIPTIN PHOSPHATE	RX	Generic	SGLT2i
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN ASPART	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN ASPART (NIACINAMIDE)	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN ASPART PROTAMINE HUMAN/INSULIN ASPART	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN DEGLUDEC	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN DEGLUDEC/LIRAGLUTIDE	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN DETEMIR	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN GLARGINE,HUMAN RECOMBINANT ANALOG	RX	Generic	Insulins

11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN GLARGINE,HUMAN RECOMBINANT ANALOG/LIXISENATIDE	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN GLULISINE	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN INHALATION CHAMBER	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN ISOPHANE NPH,BF-PK	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN ISOPHANE,BEEF	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN ISOPHANE,BEEF PURE	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN ISOPHANE,PORK PURE	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN LISPRO	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN LISPRO PROTAMINE AND INSULIN LISPRO	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN LISPRO-AABC	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN NPH HUMAN AND INSULIN REGULAR HUMAN SEMI-SYNTHETIC	RX	Generic	Insulins

11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN NPH HUMAN ISOPHANE	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN NPH HUMAN ISOPHANE/INSULIN REGULAR, HUMAN	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN NPH HUMAN SEMI-SYNTHETIC	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN POWDER INHALER/INSULIN INHALATION CHAMBER	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN PROTAMINE ZINC,BEEF	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN PROTAMINE ZN,BEEF (P)	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN PROTAMINE ZN,BF-PK	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN PROTAMINE ZN,PORK (P)	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN PUMP CARTRIDGE	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN PUMP CONTROLLER	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN PUMP SYRINGE,1.8 ML	RX	Generic	Insulins

11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN PUMP SYRINGE, 3 ML	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN PUMP/INFUSION SET/BLOOD-GLUCOSE METER	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN REG HUMAN SEMI-SYN	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN REG. HUM S-S BUFF	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN REGULAR, HUMAN	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN REGULAR, HUMAN/INSULIN RELEASE UNIT	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN REGULAR, HUMAN/INSULIN RELEASE UNIT/CHAMBER/INHALER	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN REGULAR,BEEF-PORK	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN REGULAR,HUMAN BUFFERED	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN RELEASE UNIT	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN ZINC BEEF	RX	Generic	Insulins

11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN ZINC EXT,BEEF (P)	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN ZINC EXTENDED HUMAN RECOMBINANT	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN ZINC EXTENDED,BEEF	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN ZINC EXTENDED,BF-PK	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN ZINC HUMAN RECOMBINANT	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN ZINC HUMAN SEMI-SYN	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN ZINC PROMPT,BEEF	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN ZINC PROMPT,BF-PK	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN ZINC PROMPT,PORK PURE	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN ZINC,BEEF PURIFIED	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN ZINC,BEEF PURIFIED/INSULIN ZINC,PORK PURIFIED	RX	Generic	Insulins

11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN ZINC,BEEF-PORK	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN ZINC,PORK PURIFIED	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN,BEEF	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN,PORK	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN,PORK PURIFIED	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN,PORK PURIFIED/INSULIN ISOPHANE,PORK PURE	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN,PORK REG. CONCENTRATE	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN GLARGINE-YFGN	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN PEN, REUSABLE, BLUETOOTH FOR USE WITH INSULIN ASPART	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN PEN, REUSABLE, BLUETOOTH FOR USE WITH INSULIN LISPRO	RX	Generic	Insulins
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	INSULIN REGULAR, HUMAN IN 0.9% SODIUM CHLORIDE	RX	Generic	Insulins

11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	NATEGLINIDE	RX	Generic	Other antidiabetics
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	REPAGLINIDE	RX	Generic	Other antidiabetics
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	REPAGLINIDE/METFORMIN HCL	RX	Generic	Other antidiabetics
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	PIOGLITAZONE HCL	RX	Generic	Other antidiabetics
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	PIOGLITAZONE HCL/GLIMEPIRIDE	RX	Generic	Other antidiabetics
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	PIOGLITAZONE HCL/METFORMIN HCL	RX	Generic	Other antidiabetics
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	ROSIGLITAZONE MALEATE	RX	Generic	Other antidiabetics
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	ROSIGLITAZONE MALEATE/GLIMEPIRIDE	RX	Generic	Other antidiabetics
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	ROSIGLITAZONE MALEATE/METFORMIN HCL	RX	Generic	Other antidiabetics
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	TROGLITAZONE	RX	Generic	Other antidiabetics
11	Subject treated with diet, exercise, and/or antidiabetic treatment" according to local label in stable dosing for at least 30 days prior to screening; o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator	PRAMLINTIDE ACETATE	RX	Generic	Other antidiabetics

<p>11 Subject treated with diet, exercise, and/or antidiabetic treatment* according to local label in stable dosing for at least 30 days prior to screening: o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator</p>	<p>ACARBOSE</p>	<p>RX</p>	<p>Generic</p>	<p>Other antidiabetics</p>
<p>11 Subject treated with diet, exercise, and/or antidiabetic treatment* according to local label in stable dosing for at least 30 days prior to screening: o *OAD(s); unchanged drug(s), dose and dosing frequency o *Insulin(s); unchanged regimen (basal, basal+bolus, premix combination) with stable total daily insulin dose as judged by the investigator</p>	<p>MIGLITOL</p>	<p>RX</p>	<p>Generic</p>	<p>Other antidiabetics</p>

1 Myocardial infarction, stroke, hospitalisation for heart failure, unstable angina pectoris or transient ischemic attack within 30 days prior to the day of screening.	Hospitalization for heart failure	I97.131			DX	POSTPROCEDURAL HEART FAILURE FOLLOWING OTHER SURGERY	ICD-10-CM
1 Myocardial infarction, stroke, hospitalisation for heart failure, unstable angina pectoris or transient ischemic attack within 30 days prior to the day of screening.	Unstable angina	I20.0			DX	UNSTABLE ANGINA	ICD-10-CM
1 Myocardial infarction, stroke, hospitalisation for heart failure, unstable angina pectoris or transient ischemic attack within 30 days prior to the day of screening.	Unstable angina	I24.0			DX	ACUTE CORONARY THROMBOSIS NOT RESULTING IN MYOCARDIAL INFARCTION	ICD-10-CM
1 Myocardial infarction, stroke, hospitalisation for heart failure, unstable angina pectoris or transient ischemic attack within 30 days prior to the day of screening.	Unstable angina	I24.1			DX	DRESSLER'S SYNDROME	ICD-10-CM
1 Myocardial infarction, stroke, hospitalisation for heart failure, unstable angina pectoris or transient ischemic attack within 30 days prior to the day of screening.	Unstable angina	I24.8*			DX	OTHER FORMS OF ACUTE ISCHEMIC HEART DISEASE	ICD-10-CM
1 Myocardial infarction, stroke, hospitalisation for heart failure, unstable angina pectoris or transient ischemic attack within 30 days prior to the day of screening.	Unstable angina	I24.81			DX	ACUTE CORONARY MICROVASCULAR DYSFUNCTION	ICD-10-CM
1 Myocardial infarction, stroke, hospitalisation for heart failure, unstable angina pectoris or transient ischemic attack within 30 days prior to the day of screening.	Unstable angina	I24.89			DX	OTHER FORMS OF ACUTE ISCHEMIC HEART DISEASE	ICD-10-CM
1 Myocardial infarction, stroke, hospitalisation for heart failure, unstable angina pectoris or transient ischemic attack within 30 days prior to the day of screening.	Unstable angina	I24.9			DX	ACUTE ISCHEMIC HEART DISEASE, UNSPECIFIED	ICD-10-CM
1 Myocardial infarction, stroke, hospitalisation for heart failure, unstable angina pectoris or transient ischemic attack within 30 days prior to the day of screening.	Unstable angina	I25.110			DX	ATHEROSCLEROTIC HEART DISEASE OF NATIVE CORONARY ARTERY WITH UNSTABLE ANGINA PECTORIS	ICD-10-CM
1 Myocardial infarction, stroke, hospitalisation for heart failure, unstable angina pectoris or transient ischemic attack within 30 days prior to the day of screening.	Unstable angina	I25.700			DX	ATHEROSCLEROSIS OF CORONARY ARTERY BYPASS GRAFT(S), UNSPECIFIED, WITH UNSTABLE ANGINA PECTORIS	ICD-10-CM
1 Myocardial infarction, stroke, hospitalisation for heart failure, unstable angina pectoris or transient ischemic attack within 30 days prior to the day of screening.	Unstable angina	I25.710			DX	ATHEROSCLEROSIS OF AUTOLOGOUS VEIN CORONARY ARTERY BYPASS GRAFT(S) WITH UNSTABLE ANGINA PECTORIS	ICD-10-CM
1 Myocardial infarction, stroke, hospitalisation for heart failure, unstable angina pectoris or transient ischemic attack within 30 days prior to the day of screening.	Unstable angina	I25.720			DX	ATHEROSCLEROSIS OF AUTOLOGOUS ARTERY CORONARY ARTERY BYPASS GRAFT(S) WITH UNSTABLE ANGINA PECTORIS	ICD-10-CM
1 Myocardial infarction, stroke, hospitalisation for heart failure, unstable angina pectoris or transient ischemic attack within 30 days prior to the day of screening.	Unstable angina	I25.730			DX	ATHEROSCLEROSIS OF NONAUTOLOGOUS BIOLOGICAL CORONARY ARTERY BYPASS GRAFT(S) WITH UNSTABLE ANGINA PECTORIS	ICD-10-CM
1 Myocardial infarction, stroke, hospitalisation for heart failure, unstable angina pectoris or transient ischemic attack within 30 days prior to the day of screening.	Unstable angina	I25.750			DX	ATHEROSCLEROSIS OF NATIVE CORONARY ARTERY OF TRANSPLANTED HEART WITH UNSTABLE ANGINA	ICD-10-CM
1 Myocardial infarction, stroke, hospitalisation for heart failure, unstable angina pectoris or transient ischemic attack within 30 days prior to the day of screening.	Unstable angina	I25.760			DX	ATHEROSCLEROSIS OF BYPASS GRAFT OF CORONARY ARTERY OF TRANSPLANTED HEART WITH UNSTABLE ANGINA	ICD-10-CM
1 Myocardial infarction, stroke, hospitalisation for heart failure, unstable angina pectoris or transient ischemic attack within 30 days prior to the day of screening.	Unstable angina	I25.790			DX	ATHEROSCLEROSIS OF OTHER CORONARY ARTERY BYPASS GRAFT(S) WITH UNSTABLE ANGINA PECTORIS	ICD-10-CM
1 Myocardial infarction, stroke, hospitalisation for heart failure, unstable angina pectoris or transient ischemic attack within 30 days prior to the day of screening.	TIA	G45.0			DX	VERTEBRO-BASILAR ARTERY SYNDROME	ICD-10-CM
1 Myocardial infarction, stroke, hospitalisation for heart failure, unstable angina pectoris or transient ischemic attack within 30 days prior to the day of screening.	TIA	G45.1			DX	CAROTID ARTERY SYNDROME (HEMISPHERIC)	ICD-10-CM
1 Myocardial infarction, stroke, hospitalisation for heart failure, unstable angina pectoris or transient ischemic attack within 30 days prior to the day of screening.	TIA	G45.2			DX	MULTIPLE AND BILATERAL PRECEREBRAL ARTERY SYNDROMES	ICD-10-CM
1 Myocardial infarction, stroke, hospitalisation for heart failure, unstable angina pectoris or transient ischemic attack within 30 days prior to the day of screening.	TIA	G45.8			DX	OTHER TRANSIENT CEREBRAL ISCHEMIC ATTACKS AND RELATED SYNDROMES	ICD-10-CM
1 Myocardial infarction, stroke, hospitalisation for heart failure, unstable angina pectoris or transient ischemic attack within 30 days prior to the day of screening.	TIA	G45.9			DX	TRANSIENT CEREBRAL ISCHEMIC ATTACK, UNSPECIFIED	ICD-10-CM
1 Myocardial infarction, stroke, hospitalisation for heart failure, unstable angina pectoris or transient ischemic attack within 30 days prior to the day of screening.	TIA	G46.0			DX	MIDDLE CEREBRAL ARTERY SYNDROME	ICD-10-CM
1 Myocardial infarction, stroke, hospitalisation for heart failure, unstable angina pectoris or transient ischemic attack within 30 days prior to the day of screening.	TIA	G46.1			DX	ANTERIOR CEREBRAL ARTERY SYNDROME	ICD-10-CM
1 Myocardial infarction, stroke, hospitalisation for heart failure, unstable angina pectoris or transient ischemic attack within 30 days prior to the day of screening.	TIA	G46.2			DX	POSTERIOR CEREBRAL ARTERY SYNDROME	ICD-10-CM
2 Systolic blood pressure > 160 mmHg at screening.		I16.0			DX	HYPERTENSIVE URGENCY	ICD-10-CM
2 Systolic blood pressure > 160 mmHg at screening.		I16.1			DX	HYPERTENSIVE EMERGENCY	ICD-10-CM
2 Systolic blood pressure > 160 mmHg at screening.		I16.9			DX	HYPERTENSIVE CRISIS, UNSPECIFIED	ICD-10-CM
4 Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Cardiomyopathy	I42.0			DX	DILATED CARDIOMYOPATHY	ICD-10-CM
4 Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Cardiomyopathy	I42.1			DX	OBSTRUCTIVE HYPERTROPHIC CARDIOMYOPATHY	ICD-10-CM

4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Muscular dystrophies	G71.039	DX	LIMB GIRDLE MUSCULAR DYSTROPHY, UNSPECIFIED	ICD-10-CM	
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Muscular dystrophies	G71.09	DX	OTHER SPECIFIED MUSCULAR DYSTROPHIES	ICD-10-CM	
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Takotsubo syndrome	I51.81	DX	TAKOTSUBO SYNDROME	ICD-10-CM	
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Pericardial constriction	I31.1	DX	CHRONIC CONSTRICTIVE PERICARDITIS	ICD-10-CM	
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Primary pulmonary hypertension	I27.0	DX	PRIMARY PULMONARY HYPERTENSION	ICD-10-CM	
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Right heart failure due to pulmonary disease:	I27.1	DX	COR PULMONALE (CHRONIC)	ICD-10-CM	
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	COPD	J41	DX	SIMPLE AND MUCOPURULENT CHRONIC BRONCHITIS	ICD-10-CM	Inpatient only, primary position
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	COPD	J41.0	DX	SIMPLE CHRONIC BRONCHITIS	ICD-10-CM	Inpatient only, primary position
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	COPD	J41.1	DX	MUCOPURULENT CHRONIC BRONCHITIS	ICD-10-CM	Inpatient only, primary position
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	COPD	J41.8	DX	MIXED SIMPLE AND MUCOPURULENT CHRONIC BRONCHITIS	ICD-10-CM	Inpatient only, primary position
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	COPD	J42	DX	UNSPECIFIED CHRONIC BRONCHITIS	ICD-10-CM	Inpatient only, primary position
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	COPD	J43.0	DX	UNILATERAL PULMONARY EMPHYSEMA (MACLEOD'S SYNDROME)	ICD-10-CM	Inpatient only, primary position
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	COPD	J43.1	DX	PANLOBULAR EMPHYSEMA	ICD-10-CM	Inpatient only, primary position

4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	COPD	J43.2		DX	CENTRILOBULAR EMPHYSEMA	ICD-10-CM	Inpatient only, primary position
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	COPD	J43.8		DX	OTHER EMPHYSEMA	ICD-10-CM	Inpatient only, primary position
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	COPD	J43.9		DX	EMPHYSEMA, UNSPECIFIED	ICD-10-CM	Inpatient only, primary position
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	COPD	J44.0		DX	CHRONIC OBSTRUCTIVE PULMONARY DISEASE WITH (ACUTE) LOWER RESPIRATORY INFECTION	ICD-10-CM	Inpatient only, primary position
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	COPD	J44.1		DX	CHRONIC OBSTRUCTIVE PULMONARY DISEASE WITH (ACUTE) EXACERBATION	ICD-10-CM	Inpatient only, primary position
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	COPD	J44.8		DX	OTHER SPECIFIED CHRONIC OBSTRUCTIVE PULMONARY DISEASE	ICD-10-CM	Inpatient only, primary position
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	COPD	J44.81		DX	BRONCHIOLITIS OBLITERANS AND BRONCHIOLITIS OBLITERANS SYNDROME	ICD-10-CM	Inpatient only, primary position
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	COPD	J44.89		DX	OTHER SPECIFIED CHRONIC OBSTRUCTIVE PULMONARY DISEASE	ICD-10-CM	Inpatient only, primary position
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	COPD	J44.9		DX	CHRONIC OBSTRUCTIVE PULMONARY DISEASE, UNSPECIFIED	ICD-10-CM	Inpatient only, primary position
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Anemia	D50		DX	IRON DEFICIENCY ANEMIA INCLUDES ASIDEROTIC ANEMIA HYPOCHROMIC ANEMIA	ICD-10-CM	In primary position only, 183 days before CED
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Anemia	D50.0		DX	IRON DEFICIENCY ANEMIA SECONDARY TO BLOOD LOSS (CHRONIC) POSTHEMORRHAGIC ANEMIA (CHRONIC) EXCLUDES1 ACUTE POSTHEMORRHAGIC ANEMIA (D62) CONGENITAL ANEMIA FROM FETAL BLOOD LOSS (P61.3)	ICD-10-CM	In primary position only, 183 days before CED
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Anemia	D50.1		DX	SIDEROPENIC DYSPHAGIA KELLY-PATERSON SYNDROME PLUMMER-VINSON SYNDROME	ICD-10-CM	In primary position only, 183 days before CED
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Anemia	D50.8		DX	OTHER IRON DEFICIENCY ANEMIAS IRON DEFICIENCY ANEMIA DUE TO INADEQUATE DIETARY IRON INTAKE	ICD-10-CM	In primary position only, 183 days before CED

4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Anemia	D50.9		DX	IRON DEFICIENCY ANEMIA, UNSPECIFIED	ICD-10-CM	In primary position only, 183 days before CED
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Anemia	D51		DX	VITAMIN B12 DEFICIENCY ANEMIA EXCLUDES1 VITAMIN B12 DEFICIENCY (E53.8)	ICD-10-CM	In primary position only, 183 days before CED
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Anemia	D51.0		DX	VITAMIN B12 DEFICIENCY ANEMIA DUE TO INTRINSIC FACTOR DEFICIENCY ADDISON ANEMIA BIERMER ANEMIA PERNICIOUS (CONGENITAL) ANEMIA CONGENITAL INTRINSIC FACTOR DEFICIENCY	ICD-10-CM	In primary position only, 183 days before CED
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Anemia	D51.1		DX	VITAMIN B12 DEFICIENCY ANEMIA DUE TO SELECTIVE VITAMIN B12 MALABSORPTION WITH PROTEINURIA IMERSLUND (GRÄSBECK) SYNDROME MEGALOBlastic HEREDITARY ANEMIA	ICD-10-CM	In primary position only, 183 days before CED
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Anemia	D51.2		DX	TRANSCOBALAMIN II DEFICIENCY	ICD-10-CM	In primary position only, 183 days before CED
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Anemia	D51.3		DX	OTHER DIETARY VITAMIN B12 DEFICIENCY ANEMIA VEGAN ANEMIA	ICD-10-CM	In primary position only, 183 days before CED
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Anemia	D51.8		DX	OTHER VITAMIN B12 DEFICIENCY ANEMIAS	ICD-10-CM	In primary position only, 183 days before CED
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Anemia	D51.9		DX	VITAMIN B12 DEFICIENCY ANEMIA, UNSPECIFIED	ICD-10-CM	In primary position only, 183 days before CED
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Anemia	D52		DX	FOLATE DEFICIENCY ANEMIA EXCLUDES1 FOLATE DEFICIENCY WITHOUT ANEMIA (E53.8)	ICD-10-CM	In primary position only, 183 days before CED
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Anemia	D52.0		DX	DIETARY FOLATE DEFICIENCY ANEMIA NUTRITIONAL MEGALOBlastic ANEMIA	ICD-10-CM	In primary position only, 183 days before CED
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Anemia	D52.1		DX	DRUG-INDUCED FOLATE DEFICIENCY ANEMIA USE ADDITIONAL CODE FOR ADVERSE EFFECT, IF APPLICABLE, TO IDENTIFY DRUG (T36-T50 WITH FIFTH OR SIXTH CHARACTER 5)	ICD-10-CM	In primary position only, 183 days before CED
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Anemia	D52.8		DX	OTHER FOLATE DEFICIENCY ANEMIAS	ICD-10-CM	In primary position only, 183 days before CED
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Anemia	D52.9		DX	FOLATE DEFICIENCY ANEMIA, UNSPECIFIED FOLIC ACID DEFICIENCY ANEMIA NOS	ICD-10-CM	In primary position only, 183 days before CED

4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Anemia	D53	DX	OTHER NUTRITIONAL ANEMIAS INCLUDES MEGALOBlastic ANEMIA UNRESPONSIVE TO VITAMIN B12 OR FOLATE THERAPY	ICD-10-CM	In primary position only, 183 days before CED
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Anemia	D53.0	DX	PROTEIN DEFICIENCY ANEMIA AMINO-ACID DEFICIENCY ANEMIA OROTACIDURIC ANEMIA EXCLUDES1 LESCH-NYHAN SYNDROME (E79.1)	ICD-10-CM	In primary position only, 183 days before CED
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Anemia	D53.1	DX	OTHER MEGALOBlastic ANEMIAS, NOT ELSEWHERE CLASSIFIED MEGALOBlastic ANEMIA NOS EXCLUDES1 DI GUGLIELMO'S DISEASE (C94.0)	ICD-10-CM	In primary position only, 183 days before CED
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Anemia	D53.2	DX	SCORBUTIC ANEMIA EXCLUDES1 SCURVY (E54)	ICD-10-CM	In primary position only, 183 days before CED
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Anemia	D53.8	DX	OTHER SPECIFIED NUTRITIONAL ANEMIAS ANEMIA ASSOCIATED WITH DEFICIENCY OF COPPER ANEMIA ASSOCIATED WITH DEFICIENCY OF MOLYBDENUM ANEMIA ASSOCIATED WITH DEFICIENCY OF ZINC EXCLUDES1 NUTRITIONAL DEFICIENCIES WITHOUT ANEMIA, SUCH AS COPPER DEFICIENCY NOS (E61.0) MOLYBDENUM DEFICIENCY NOS (E61.5) ZINC DEFICIENCY NOS (E60)	ICD-10-CM	In primary position only, 183 days before CED
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Anemia	D53.9	DX	NUTRITIONAL ANEMIA, UNSPECIFIED SIMPLE CHRONIC ANEMIA EXCLUDES1 ANEMIA NOS (D64.9) HEMOLYTIC ANEMIAS (D55-D59)	ICD-10-CM	In primary position only, 183 days before CED
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Anemia	D56	DX	THALASSEMIA	ICD-10-CM	In primary position only, 183 days before CED
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Anemia	D56.0	DX	ALPHA THALASSEMIA	ICD-10-CM	In primary position only, 183 days before CED
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Anemia	D56.1	DX	BETA THALASSEMIA	ICD-10-CM	In primary position only, 183 days before CED
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Anemia	D56.2	DX	DELTA-BETA THALASSEMIA	ICD-10-CM	In primary position only, 183 days before CED
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Anemia	D56.3	DX	THALASSEMIA MINOR	ICD-10-CM	In primary position only, 183 days before CED
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Anemia	D56.4	DX	HEREDITARY PERSISTENCE OF FETAL HEMOGLOBIN [HPFH]	ICD-10-CM	In primary position only, 183 days before CED
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Anemia	D56.5	DX	HEMOGLOBIN E-BETA THALASSEMIA	ICD-10-CM	In primary position only, 183 days before CED

4 Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Valvular heart disease	Q23.3	DX	CONGENITAL MITRAL INSUFFICIENCY	ICD-10-CM	Primary position, inpatient setting
4 Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Valvular heart disease	Q23.8	DX	OTHER CONGENITAL MALFORMATIONS OF AORTIC AND MITRAL VALVES	ICD-10-CM	Primary position, inpatient setting
4 Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Valvular heart disease	Q23.9	DX	CONGENITAL MALFORMATION OF AORTIC AND MITRAL VALVES, UNSPECIFIED	ICD-10-CM	Primary position, inpatient setting
4 Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Congenital heart disease	Q20.0	DX	TRUNCUS ARTERIOSUS, COMMON TRUNCUS	ICD-10-CM	Primary position
4 Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Congenital heart disease	Q20.1	DX	DOUBLE OUTLET RIGHT VENTRICLE (DORV)	ICD-10-CM	Primary position
4 Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Congenital heart disease	Q20.2	DX	DOUBLE OUTLET LEFT VENTRICLE (DOLV)	ICD-10-CM	Primary position
4 Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Congenital heart disease	Q20.3	DX	TRANSPOSITION OF THE GREAT ARTERIES (TGA), COMPLETE TGA, DEXTRO-TGA, TGA NOT OTHERWISE SPECIFIED, CLASSICAL TGA	ICD-10-CM	Primary position
4 Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Congenital heart disease	Q20.4	DX	SINGLE VENTRICLE, COR TRILOCULARE, DOUBLE INLET LEFT VENTRICLE	ICD-10-CM	Primary position
4 Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Congenital heart disease	Q20.5	DX	CONGENITAL CORRECTED TRANSPOSITION OF GREAT ARTERIES (CCTGA), LEVO-TGA	ICD-10-CM	Primary position
4 Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Congenital heart disease	Q21.2	DX	ENDOCARDIAL CUSHION DEFECT; ATRIOVENTRICULAR SEPTAL DEFECT; COMPLETE ATRIOVENTRICULAR CANAL DEFECT (CAVCD); ENDOCARDIAL CUSHION DEFECT UNSPECIFIED; ENDOCARDIAL CUSHION DEFECT, OTHER	ICD-10-CM	Primary position
4 Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Congenital heart disease	Q21.3	DX	TETRALOGY OF FALLOT	ICD-10-CM	Primary position
4 Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Congenital heart disease	Q22.0	DX	PULMONARY VALVE ATRESIA OR ABSENCE	ICD-10-CM	Primary position
4 Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Congenital heart disease	Q22.4	DX	TRICUSPID ATRESIA, STENOSIS, OR ABSENCE	ICD-10-CM	Primary position

4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Congenital heart disease	Q22.6	DX	HYPOPLASTIC RIGHT HEART SYNDROME	ICD-10-CM	Primary position
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Congenital heart disease	Q23.4	DX	HYPOPLASTIC LEFT HEART SYNDROME (HLHS)	ICD-10-CM	Primary position
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Congenital heart disease	Q25.21	DX	INTERRUPTED AORTIC ARCH	ICD-10-CM	Primary position
4	Any other condition judged by the investigator to be the primary cause of dyspnoea (such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis), hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Congenital heart disease	Q26.2	DX	TOTAL ANOMALOUS PULMONARY VENOUS RETURN (TAPVR)	ICD-10-CM	Primary position
5	Bariatric surgery	Bariatric surgeries	Z98.84	DX	BARIATRIC SURGERY STATUS	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	K95.01	DX	INFECTION DUE TO GASTRIC BAND PROCEDURE	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	K95.09	DX	OTHER COMPLICATIONS OF GASTRIC BAND PROCEDURE	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	K95.81	DX	INFECTION DUE TO OTHER BARIATRIC PROCEDURE	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	K95.89	DX	OTHER COMPLICATIONS OF OTHER BARIATRIC PROCEDURE	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	0DB60ZZ	PX	EXCISION OF STOMACH, OPEN APPROACH	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	0DB63ZZ	PX	EXCISION OF STOMACH, PERCUTANEOUS APPROACH	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	0DB67ZZ	PX	EXCISION OF STOMACH, VIA NATURAL OR ARTIFICIAL OPENING	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	0D1607A	PX	BYPASS STOMACH TO JEJUNUM WITH AUTOLOGOUS TISSUE SUBSTITUTE, OPEN APPROACH	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	0D1607B	PX	BYPASS STOMACH TO ILEUM WITH AUTOLOGOUS TISSUE SUBSTITUTE, OPEN APPROACH	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	0D1607L	PX	BYPASS STOMACH TO TRANSVERSE COLON WITH AUTOLOGOUS TISSUE SUBSTITUTE, OPEN APPROACH	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	0D160JA	PX	BYPASS STOMACH TO JEJUNUM WITH SYNTHETIC SUBSTITUTE, OPEN APPROACH	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	0D160JB	PX	BYPASS STOMACH TO ILEUM WITH SYNTHETIC SUBSTITUTE, OPEN APPROACH	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	0D160JL	PX	BYPASS STOMACH TO TRANSVERSE COLON WITH SYNTHETIC SUBSTITUTE, OPEN APPROACH	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	0D160KA	PX	BYPASS STOMACH TO JEJUNUM WITH NONAUTOLOGOUS TISSUE SUBSTITUTE, OPEN APPROACH	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	0D160KB	PX	BYPASS STOMACH TO ILEUM WITH NONAUTOLOGOUS TISSUE SUBSTITUTE, OPEN APPROACH	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	0D160KL	PX	BYPASS STOMACH TO TRANSVERSE COLON WITH NONAUTOLOGOUS TISSUE SUBSTITUTE, OPEN APPROACH	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	0D160ZA	PX	BYPASS STOMACH TO JEJUNUM, OPEN APPROACH	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	0D160ZB	PX	BYPASS STOMACH TO ILEUM, OPEN APPROACH	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	0D160ZL	PX	BYPASS STOMACH TO TRANSVERSE COLON, OPEN APPROACH	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	0D1687A	PX	BYPASS STOMACH TO JEJUNUM WITH AUTOLOGOUS TISSUE SUBSTITUTE, VIA NATURAL OR ARTIFICIAL OPENING ENDOSCOPIC	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	0D1687B	PX	BYPASS STOMACH TO ILEUM WITH AUTOLOGOUS TISSUE SUBSTITUTE, VIA NATURAL OR ARTIFICIAL OPENING ENDOSCOPIC	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	0D1687L	PX	BYPASS STOMACH TO TRANSVERSE COLON WITH AUTOLOGOUS TISSUE SUBSTITUTE, VIA NATURAL OR ARTIFICIAL OPENING ENDOSCOPIC	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	0D168JA	PX	BYPASS STOMACH TO JEJUNUM WITH SYNTHETIC SUBSTITUTE, VIA NATURAL OR ARTIFICIAL OPENING ENDOSCOPIC	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	0D168JB	PX	BYPASS STOMACH TO ILEUM WITH SYNTHETIC SUBSTITUTE, VIA NATURAL OR ARTIFICIAL OPENING ENDOSCOPIC	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	0D168JL	PX	BYPASS STOMACH TO TRANSVERSE COLON WITH SYNTHETIC SUBSTITUTE, VIA NATURAL OR ARTIFICIAL OPENING ENDOSCOPIC	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	0D168KA	PX	BYPASS STOMACH TO JEJUNUM WITH NONAUTOLOGOUS TISSUE SUBSTITUTE, VIA NATURAL OR ARTIFICIAL OPENING ENDOSCOPIC	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	0D168KB	PX	BYPASS STOMACH TO ILEUM WITH NONAUTOLOGOUS TISSUE SUBSTITUTE, VIA NATURAL OR ARTIFICIAL OPENING ENDOSCOPIC	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	0D168KL	PX	BYPASS STOMACH TO TRANSVERSE COLON WITH NONAUTOLOGOUS TISSUE SUBSTITUTE, VIA NATURAL OR ARTIFICIAL OPENING ENDOSCOPIC	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	0D168ZA	PX	BYPASS STOMACH TO JEJUNUM, VIA NATURAL OR ARTIFICIAL OPENING ENDOSCOPIC	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	0D168ZB	PX	BYPASS STOMACH TO ILEUM, VIA NATURAL OR ARTIFICIAL OPENING ENDOSCOPIC	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	0D168ZL	PX	BYPASS STOMACH TO TRANSVERSE COLON, VIA NATURAL OR ARTIFICIAL OPENING ENDOSCOPIC	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	0D16479	PX	BYPASS STOMACH TO DUODENUM WITH AUTOLOGOUS TISSUE SUBSTITUTE, PERCUTANEOUS ENDOSCOPIC APPROACH	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	0D1647A	PX	BYPASS STOMACH TO JEJUNUM WITH AUTOLOGOUS TISSUE SUBSTITUTE, PERCUTANEOUS ENDOSCOPIC APPROACH	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	0D1647B	PX	BYPASS STOMACH TO ILEUM WITH AUTOLOGOUS TISSUE SUBSTITUTE, PERCUTANEOUS ENDOSCOPIC APPROACH	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	0D1647L	PX	BYPASS STOMACH TO TRANSVERSE COLON WITH AUTOLOGOUS TISSUE SUBSTITUTE, PERCUTANEOUS ENDOSCOPIC APPROACH	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	0D164J9	PX	BYPASS STOMACH TO DUODENUM WITH SYNTHETIC SUBSTITUTE, PERCUTANEOUS ENDOSCOPIC APPROACH	ICD-10-CM	
5	Bariatric surgery	Bariatric surgeries	0D164JA	PX	BYPASS STOMACH TO JEJUNUM WITH SYNTHETIC SUBSTITUTE, PERCUTANEOUS ENDOSCOPIC APPROACH	ICD-10-CM	

5 Bariatric surgery	Bariatric surgeries		0D164JB PX	BYPASS STOMACH TO ILEUM WITH SYNTHETIC SUBSTITUTE, PERCUTANEOUS ENDOSCOPIC APPROACH	ICD-10-CM
5 Bariatric surgery	Bariatric surgeries		0D164JL PX	BYPASS STOMACH TO TRANSVERSE COLON WITH SYNTHETIC SUBSTITUTE, PERCUTANEOUS ENDOSCOPIC APPROACH	ICD-10-CM
5 Bariatric surgery	Bariatric surgeries		0D164K9 PX	BYPASS STOMACH TO DUODENUM WITH NONAUTOLOGOUS TISSUE SUBSTITUTE, PERCUTANEOUS ENDOSCOPIC APPROACH	ICD-10-CM
5 Bariatric surgery	Bariatric surgeries		0D164KA PX	BYPASS STOMACH TO JEJUNUM WITH NONAUTOLOGOUS TISSUE SUBSTITUTE, PERCUTANEOUS ENDOSCOPIC APPROACH	ICD-10-CM
5 Bariatric surgery	Bariatric surgeries		0D164KB PX	BYPASS STOMACH TO ILEUM WITH NONAUTOLOGOUS TISSUE SUBSTITUTE, PERCUTANEOUS ENDOSCOPIC APPROACH	ICD-10-CM
5 Bariatric surgery	Bariatric surgeries		0D164KL PX	BYPASS STOMACH TO TRANSVERSE COLON WITH NONAUTOLOGOUS TISSUE SUBSTITUTE, PERCUTANEOUS ENDOSCOPIC APPROACH	ICD-10-CM
5 Bariatric surgery	Bariatric surgeries		0D164Z9 PX	BYPASS STOMACH TO DUODENUM, PERCUTANEOUS ENDOSCOPIC APPROACH	ICD-10-CM
5 Bariatric surgery	Bariatric surgeries		0D164ZA PX	BYPASS STOMACH TO JEJUNUM, PERCUTANEOUS ENDOSCOPIC APPROACH	ICD-10-CM
5 Bariatric surgery	Bariatric surgeries		0D164ZB PX	BYPASS STOMACH TO ILEUM, PERCUTANEOUS ENDOSCOPIC APPROACH	ICD-10-CM
5 Bariatric surgery	Bariatric surgeries		0D164ZL PX	BYPASS STOMACH TO TRANSVERSE COLON, PERCUTANEOUS ENDOSCOPIC APPROACH	ICD-10-CM
5 Bariatric surgery	Bariatric surgeries		0D16079 PX	BYPASS STOMACH TO DUODENUM WITH AUTOLOGOUS TISSUE SUBSTITUTE, OPEN APPROACH	ICD-10-CM
5 Bariatric surgery	Bariatric surgeries		0D160J9 PX	BYPASS STOMACH TO DUODENUM WITH SYNTHETIC SUBSTITUTE, OPEN APPROACH	ICD-10-CM
5 Bariatric surgery	Bariatric surgeries		0D160K9 PX	BYPASS STOMACH TO DUODENUM WITH NONAUTOLOGOUS TISSUE SUBSTITUTE, OPEN APPROACH	ICD-10-CM
5 Bariatric surgery	Bariatric surgeries		0D160Z9 PX	BYPASS STOMACH TO DUODENUM, OPEN APPROACH	ICD-10-CM
5 Bariatric surgery	Bariatric surgeries		0D16879 PX	BYPASS STOMACH TO DUODENUM WITH AUTOLOGOUS TISSUE SUBSTITUTE, VIA NATURAL OR ARTIFICIAL OPENING ENDOSCOPIC	ICD-10-CM
5 Bariatric surgery	Bariatric surgeries		0D168J9 PX	BYPASS STOMACH TO DUODENUM WITH SYNTHETIC SUBSTITUTE, VIA NATURAL OR ARTIFICIAL OPENING ENDOSCOPIC	ICD-10-CM
5 Bariatric surgery	Bariatric surgeries		0D168K9 PX	BYPASS STOMACH TO DUODENUM WITH NONAUTOLOGOUS TISSUE SUBSTITUTE, VIA NATURAL OR ARTIFICIAL OPENING ENDOSCOPIC	ICD-10-CM
5 Bariatric surgery	Bariatric surgeries		0D168Z9 PX	BYPASS STOMACH TO DUODENUM, VIA NATURAL OR ARTIFICIAL OPENING ENDOSCOPIC	ICD-10-CM
5 Bariatric surgery	Bariatric surgeries		0DQ64ZZ PX	REPAIR STOMACH, PERCUTANEOUS ENDOSCOPIC APPROACH	ICD-10-CM
5 Bariatric surgery	Bariatric surgeries		43770 PX	LAPAROSCOPY, SURGICAL, GASTRIC RESTRICTIVE PROCEDURE: PLACEMENT OF ADJUSTABLE GASTRIC BAND	CPT/HCPCS
5 Bariatric surgery	Bariatric surgeries		43644 PX	LAPAROSCOPY, SURGICAL, GASTRIC RESTRICTIVE PROCEDURE WITH GASTRIC BYPASS AND ROUX-EN-Y GASTROENTEROSTOMY (ROUX LIMB 150 CM OR LESS)	CPT/HCPCS
5 Bariatric surgery	Bariatric surgeries		43645 PX	LAPAROSCOPY, SURGICAL, GASTRIC RESTRICTIVE WITH GASTRIC BYPASS AND SMALL INTESTINE RECONSTRUCTION TO LIMIT ABSORPTION	CPT/HCPCS
5 Bariatric surgery	Bariatric surgeries		43842 PX	GASTRIC RESTRICTIVE PROCEDURE, WITHOUT GASTRIC BYPASS, FOR MORBID OBESITY, VERTICAL BANDED GASTROPLASTY	CPT/HCPCS
5 Bariatric surgery	Bariatric surgeries		43843 PX	OTHER GASTRIC RESTRICTIVE PROCEDURES, WITHOUT GASTRIC BYPASS, AND OTHER THAN VERTICAL BANDED GASTROPLASTY	CPT/HCPCS
5 Bariatric surgery	Bariatric surgeries		43844 PX	LAPAROSCOPIC GASTRIC RESTRICTIVE PROCEDURE WITH GASTRIC BYPASS AND ROUX-EN-Y GASTROENTEROSTOMY	CPT/HCPCS
5 Bariatric surgery	Bariatric surgeries		43845 PX	GASTRIC RESTRICTIVE PROCEDURE WITH PARTIAL GASTRECTOMY, PYLORUS-PRESERVING DUODENILEOSTOMY AND ILEOILEOSTOMY TO LIMIT ABSORPTION (BPD)	CPT/HCPCS
5 Bariatric surgery	Bariatric surgeries		43846 PX	GASTRIC RESTRICTIVE PROCEDURE, WITH GASTRIC BYPASS, FOR MORBID OBESITY; WITH SHORT LIMB (LESS THAN 100 CM) ROUX-EN-Y GASTROENTEROSTOMY	CPT/HCPCS
5 Bariatric surgery	Bariatric surgeries		43847 PX	GASTRIC RESTRICTIVE PROCEDURE, WITH SMALL INTESTINE RECONSTRUCTION TO LIMIT ABSORPTION; WITH LONG LIMB (>150 CM) ROUX-EN-Y GASTRECTOMY, TOTAL; WITH ROUX-EN-Y RECONSTRUCTION; MINI-GASTRIC BYPASS	CPT/HCPCS
5 Bariatric surgery	Bariatric surgeries		S2082 PX	LAPAROSCOPY, SURGICAL: GASTRIC RESTRICTIVE PROCEDURE, ADJUSTABLE GASTRIC BAND INCLUDES PLACEMENT OF SUBCUTANEOUS PORT	CPT/HCPCS
5 Bariatric surgery	Bariatric surgeries		S2085 PX	LAPAROSCOPIC GASTRIC BYPASS	CPT/HCPCS
5 Bariatric surgery	Bariatric surgeries		43775 PX	LAPAROSCOPY, SURGICAL, GASTRIC RESTRICTIVE PROCEDURE; LONGITUDINAL GASTRECTOMY (E.G., SLEEVE GASTRECTOMY)	CPT/HCPCS
5 Bariatric surgery	Bariatric surgeries		43848 PX	REVISION RYGB	CPT/HCPCS
7 History of type 1 diabetes (history of gestational diabetes is allowed).		E10.1	DX	TYPE 1 DIABETES MELLITUS WITH KETOACIDOSIS	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).		E10.10	DX	TYPE 1 DIABETES MELLITUS WITH KETOACIDOSIS WITHOUT COMA	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).		E10.11	DX	TYPE 1 DIABETES MELLITUS WITH KETOACIDOSIS WITH COMA	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).		E10.2	DX	TYPE 1 DIABETES MELLITUS WITH KIDNEY COMPLICATIONS	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).		E10.21	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC NEPHROPATHY	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).		E10.22	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC CHRONIC KIDNEY DISEASE	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).		E10.29	DX	TYPE 1 DIABETES MELLITUS WITH OTHER DIABETIC KIDNEY COMPLICATION	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).		E10.3	DX	TYPE 1 DIABETES MELLITUS WITH OPHTHALMIC COMPLICATIONS	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).		E10.31	DX	TYPE 1 DIABETES MELLITUS WITH UNSPECIFIED DIABETIC RETINOPATHY	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).		E10.311	DX	TYPE 1 DIABETES MELLITUS WITH UNSPECIFIED DIABETIC RETINOPATHY WITH MACULAR EDEMA	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).		E10.319	DX	TYPE 1 DIABETES MELLITUS WITH UNSPECIFIED DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).		E10.32	DX	TYPE 1 DIABETES MELLITUS WITH MILD NONPROLIFERATIVE DIABETIC RETINOPATHY	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).		E10.321	DX	TYPE 1 DIABETES MELLITUS WITH MILD NONPROLIFERATIVE DIABETIC RETINOPATHY WITH MACULAR EDEMA	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).		E10.3211	DX	TYPE 1 DIABETES MELLITUS WITH MILD NONPROLIFERATIVE DIABETIC RETINOPATHY WITH MACULAR EDEMA, RIGHT EYE	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).		E10.3212	DX	TYPE 1 DIABETES MELLITUS WITH MILD NONPROLIFERATIVE DIABETIC RETINOPATHY WITH MACULAR EDEMA, LEFT EYE	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).		E10.3213	DX	TYPE 1 DIABETES MELLITUS WITH MILD NONPROLIFERATIVE DIABETIC RETINOPATHY WITH MACULAR EDEMA, BILATERAL	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).		E10.3219	DX	TYPE 1 DIABETES MELLITUS WITH MILD NONPROLIFERATIVE DIABETIC RETINOPATHY WITH MACULAR EDEMA, UNSPECIFIED EYE	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).		E10.329	DX	TYPE 1 DIABETES MELLITUS WITH MILD NONPROLIFERATIVE DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).		E10.3291	DX	TYPE 1 DIABETES MELLITUS WITH MILD NONPROLIFERATIVE DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA, RIGHT EYE	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).		E10.3292	DX	TYPE 1 DIABETES MELLITUS WITH MILD NONPROLIFERATIVE DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA, LEFT EYE	ICD-10-CM

7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.3543	DX	TYPE 1 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITH COMBINED TRACTION RETINAL DETACHMENT AND RHEGMATOGENOUS RETINAL DETACHMENT, BILATERAL	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.3549	DX	TYPE 1 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITH COMBINED TRACTION RETINAL DETACHMENT AND RHEGMATOGENOUS RETINAL DETACHMENT, UNSPECIFIED EYE	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.355	DX	TYPE 1 DIABETES MELLITUS WITH STABLE PROLIFERATIVE DIABETIC RETINOPATHY	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.3551	DX	TYPE 1 DIABETES MELLITUS WITH STABLE PROLIFERATIVE DIABETIC RETINOPATHY, RIGHT EYE	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.3552	DX	TYPE 1 DIABETES MELLITUS WITH STABLE PROLIFERATIVE DIABETIC RETINOPATHY, LEFT EYE	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.3553	DX	TYPE 1 DIABETES MELLITUS WITH STABLE PROLIFERATIVE DIABETIC RETINOPATHY, BILATERAL	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.3559	DX	TYPE 1 DIABETES MELLITUS WITH STABLE PROLIFERATIVE DIABETIC RETINOPATHY, UNSPECIFIED EYE	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.359	DX	TYPE 1 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.3591	DX	TYPE 1 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA, RIGHT EYE	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.3592	DX	TYPE 1 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA, LEFT EYE	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.3593	DX	TYPE 1 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA, BILATERAL	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.3599	DX	TYPE 1 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA, UNSPECIFIED EYE	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.36	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC CATARACT	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.37	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC MACULAR EDEMA, RESOLVED FOLLOWING TREATMENT	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.37X1	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC MACULAR EDEMA, RESOLVED FOLLOWING TREATMENT, RIGHT EYE	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.37X2	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC MACULAR EDEMA, RESOLVED FOLLOWING TREATMENT, LEFT EYE	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.37X3	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC MACULAR EDEMA, RESOLVED FOLLOWING TREATMENT, BILATERAL	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.37X9	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC MACULAR EDEMA, RESOLVED FOLLOWING TREATMENT, UNSPECIFIED EYE	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.39	DX	TYPE 1 DIABETES MELLITUS WITH OTHER DIABETIC OPHTHALMIC COMPLICATION	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.4	DX	TYPE 1 DIABETES MELLITUS WITH NEUROLOGICAL COMPLICATIONS	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.40	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC NEUROPATHY, UNSPECIFIED	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.41	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC MONONEUROPATHY	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.42	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC POLYNEUROPATHY	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.43	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC AUTONOMIC (POLY)NEUROPATHY	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.44	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC AMYOTROPHY	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.49	DX	TYPE 1 DIABETES MELLITUS WITH OTHER DIABETIC NEUROLOGICAL COMPLICATION	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.5	DX	TYPE 1 DIABETES MELLITUS WITH CIRCULATORY COMPLICATIONS	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.51	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC PERIPHERAL ANGIOPATHY WITHOUT GANGRENE	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.52	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC PERIPHERAL ANGIOPATHY WITH GANGRENE	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.59	DX	TYPE 1 DIABETES MELLITUS WITH OTHER CIRCULATORY COMPLICATIONS	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.6	DX	TYPE 1 DIABETES MELLITUS WITH OTHER SPECIFIED COMPLICATIONS	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.61	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC ARTHROPATHY	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.610	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC NEUROPATHIC ARTHROPATHY	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.618	DX	TYPE 1 DIABETES MELLITUS WITH OTHER DIABETIC ARTHROPATHY	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.62	DX	TYPE 1 DIABETES MELLITUS WITH SKIN COMPLICATIONS	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.620	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC DERMATITIS	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.621	DX	TYPE 1 DIABETES MELLITUS WITH FOOT ULCER	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.622	DX	TYPE 1 DIABETES MELLITUS WITH OTHER SKIN ULCER	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.628	DX	TYPE 1 DIABETES MELLITUS WITH OTHER SKIN COMPLICATIONS	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.630	DX	TYPE 1 DIABETES MELLITUS WITH PERIODONTAL DISEASE	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.638	DX	TYPE 1 DIABETES MELLITUS WITH OTHER ORAL COMPLICATIONS	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.64	DX	TYPE 1 DIABETES MELLITUS WITH HYPOGLYCEMIA	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.641	DX	TYPE 1 DIABETES MELLITUS WITH HYPOGLYCEMIA WITH COMA	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.649	DX	TYPE 1 DIABETES MELLITUS WITH HYPOGLYCEMIA WITHOUT COMA	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.65	DX	TYPE 1 DIABETES MELLITUS WITH HYPERGLYCEMIA	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.69	DX	TYPE 1 DIABETES MELLITUS WITH OTHER SPECIFIED COMPLICATION	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.8	DX	TYPE 1 DIABETES MELLITUS WITH UNSPECIFIED COMPLICATIONS	ICD-10-CM
7 History of type 1 diabetes (history of gestational diabetes is allowed).	E10.9	DX	TYPE 1 DIABETES MELLITUS WITHOUT COMPLICATIONS	ICD-10-CM
8 Treatment with any GLP-1 receptor agonist within 90 days prior to the day of screening.	LIXISENATIDE	RX		Generic
8 Treatment with any GLP-1 receptor agonist within 90 days prior to the day of screening.	DULAGLUTIDE	RX		Generic
8 Treatment with any GLP-1 receptor agonist within 90 days prior to the day of screening.	LIRAGLUTIDE	RX		Generic
8 Treatment with any GLP-1 receptor agonist within 90 days prior to the day of screening.	ALBIGLUTIDE	RX		Generic
8 Treatment with any GLP-1 receptor agonist within 90 days prior to the day of screening.	EXENATIDE	RX		Generic
8 Treatment with any GLP-1 receptor agonist within 90 days prior to the day of screening.	EXENATIDE MICROSPHERES	RX		Generic
8 Treatment with any GLP-1 receptor agonist within 90 days prior to the day of screening.	PRAMLINTIDE ACETATE	RX		Generic
8 Treatment with any GLP-1 receptor agonist within 90 days prior to the day of screening.	TIRZEPATIDE	RX		Generic

9 Uncontrolled and potentially unstable diabetic retinopathy or maculopathy. Anti-VEGFI (component 2) Verified by a fundus examination performed within 90 days prior to screening or in the period between screening and randomisation. Pharmacological pupil-dilation is a requirement unless using a digital fundus photography camera specified for non-dilated examination.	67028	PX	INTRAVITREAL INJECTION OF A PHARMACOLOGIC AGENT (SEPARATE PROCEDURE)	CPT/HCPCS	Component 1 overlap with component 2 OR component 3
9 Uncontrolled and potentially unstable diabetic retinopathy or maculopathy. Photocoagulation (component 3) Verified by a fundus examination performed within 90 days prior to screening or in the period between screening and randomisation. Pharmacological pupil-dilation is a requirement unless using a digital fundus photography camera specified for non-dilated examination.	67028	PX	INTRAVITREAL INJECTION OF A PHARMACOLOGIC AGENT (SEPARATE PROCEDURE)	CPT/HCPCS	Component 1 overlap with component 2 OR component 3
9 Uncontrolled and potentially unstable diabetic retinopathy or maculopathy. Photocoagulation (component 3) Verified by a fundus examination performed within 90 days prior to screening or in the period between screening and randomisation. Pharmacological pupil-dilation is a requirement unless using a digital fundus photography camera specified for non-dilated examination.	67220	PX	DESTRUCTION OF LOCALIZED LESION OF CHOROID (EG, CHOROIDAL NEOVASCULARIZATION); PHOTOCOAGULATION (EG, LASER), 1 OR MORE SESSIONS	CPT/HCPCS	Component 1 overlap with component 2 OR component 3
9 Uncontrolled and potentially unstable diabetic retinopathy or maculopathy. Photocoagulation (component 3) Verified by a fundus examination performed within 90 days prior to screening or in the period between screening and randomisation. Pharmacological pupil-dilation is a requirement unless using a digital fundus photography camera specified for non-dilated examination.	67228	PX	TREATMENT OF EXTENSIVE OR PROGRESSIVE RETINOPATHY (EG, DIABETIC RETINOPATHY), PHOTOCOAGULATION	CPT/HCPCS	Component 1 overlap with component 2 OR component 3
10 Recurrent severe hypoglycaemic episodes within the last year as judged by the investigator. Hypoglycemia	E10.641	DX	TYPE 1 DIABETES MELLITUS WITH HYPOGLYCEMIA WITH COMA	ICD-10-CM	
10 Recurrent severe hypoglycaemic episodes within the last year as judged by the investigator. Hypoglycemia	E10.649	DX	TYPE 1 DIABETES MELLITUS WITH HYPOGLYCEMIA WITHOUT COMA	ICD-10-CM	
10 Recurrent severe hypoglycaemic episodes within the last year as judged by the investigator. Hypoglycemia	E10.69	DX	TYPE 1 DIABETES MELLITUS WITH OTHER SPECIFIED COMPLICATION	ICD-10-CM	
10 Recurrent severe hypoglycaemic episodes within the last year as judged by the investigator. Hypoglycemia	E11.641	DX	TYPE 2 DIABETES MELLITUS WITH HYPOGLYCEMIA WITH COMA	ICD-10-CM	
10 Recurrent severe hypoglycaemic episodes within the last year as judged by the investigator. Hypoglycemia	E11.649	DX	TYPE 2 DIABETES MELLITUS WITH HYPOGLYCEMIA WITHOUT COMA	ICD-10-CM	
10 Recurrent severe hypoglycaemic episodes within the last year as judged by the investigator. Hypoglycemia	E11.69	DX	TYPE 2 DIABETES MELLITUS WITH OTHER SPECIFIED COMPLICATION	ICD-10-CM	
10 Recurrent severe hypoglycaemic episodes within the last year as judged by the investigator. Hypoglycemia	E13.641	DX	OTHER SPECIFIED DIABETES MELLITUS WITH HYPOGLYCEMIA WITH COMA	ICD-10-CM	
10 Recurrent severe hypoglycaemic episodes within the last year as judged by the investigator. Hypoglycemia	E13.649	DX	OTHER SPECIFIED DIABETES MELLITUS WITH HYPOGLYCEMIA WITHOUT COMA	ICD-10-CM	
10 Recurrent severe hypoglycaemic episodes within the last year as judged by the investigator. Hypoglycemia	E13.69	DX	OTHER SPECIFIED DIABETES MELLITUS WITH OTHER SPECIFIED COMPLICATION	ICD-10-CM	
10 Recurrent severe hypoglycaemic episodes within the last year as judged by the investigator. Hypoglycemia	E15	DX	NONDIABETIC HYPOGLYCEMIC COMA	ICD-10-CM	
10 Recurrent severe hypoglycaemic episodes within the last year as judged by the investigator. Hypoglycemia	E16.0	DX	DRUG-INDUCED HYPOGLYCEMIA WITHOUT COMA	ICD-10-CM	
10 Recurrent severe hypoglycaemic episodes within the last year as judged by the investigator. Hypoglycemia	E16.1	DX	OTHER HYPOGLYCEMIA	ICD-10-CM	
10 Recurrent severe hypoglycaemic episodes within the last year as judged by the investigator. Hypoglycemia	E16.2	DX	HYPOGLYCEMIA, UNSPECIFIED	ICD-10-CM	
10 Recurrent severe hypoglycaemic episodes within the last year as judged by the investigator. Hypoglycemia	T38.3X1A	DX	POISONING BY INSULIN AND ORAL HYPOGLYCEMIC [ANTIDIABETIC] DRUGS, ACCIDENTAL (UNINTENTIONAL), INITIAL ENCOUNTER	ICD-10-CM	
10 Recurrent severe hypoglycaemic episodes within the last year as judged by the investigator. Hypoglycemia	T38.3X1D	DX	POISONING BY INSULIN AND ORAL HYPOGLYCEMIC [ANTIDIABETIC] DRUGS, ACCIDENTAL (UNINTENTIONAL), SUBSEQUENT ENCOUNTER	ICD-10-CM	
10 Recurrent severe hypoglycaemic episodes within the last year as judged by the investigator. Hypoglycemia	T38.3X1S	DX	POISONING BY INSULIN AND ORAL HYPOGLYCEMIC [ANTIDIABETIC] DRUGS, ACCIDENTAL (UNINTENTIONAL), SEQUELA	ICD-10-CM	
10 Recurrent severe hypoglycaemic episodes within the last year as judged by the investigator. Hypoglycemia	T38.3X2A	DX	POISONING BY INSULIN AND ORAL HYPOGLYCEMIC [ANTIDIABETIC] DRUGS, INTENTIONAL SELF	ICD-10-CM	
10 Recurrent severe hypoglycaemic episodes within the last year as judged by the investigator. Hypoglycemia	T38.3X2D	DX	POISONING BY INSULIN AND ORAL HYPOGLYCEMIC [ANTIDIABETIC] DRUGS, INTENTIONAL SELF	ICD-10-CM	
10 Recurrent severe hypoglycaemic episodes within the last year as judged by the investigator. Hypoglycemia	T38.3X2S	DX	POISONING BY INSULIN AND ORAL HYPOGLYCEMIC [ANTIDIABETIC] DRUGS, INTENTIONAL SELF	ICD-10-CM	
10 Recurrent severe hypoglycaemic episodes within the last year as judged by the investigator. Hypoglycemia	T38.3X3	DX	POISONING BY INSULIN AND ORAL HYPOGLYCEMIC [ANTIDIABETIC] DRUGS, ASSAULT	ICD-10-CM	
10 Recurrent severe hypoglycaemic episodes within the last year as judged by the investigator. Hypoglycemia	T38.3X3A	DX	POISONING BY INSULIN AND ORAL HYPOGLYCEMIC [ANTIDIABETIC] DRUGS, ASSAULT, INITIAL ENCOUNTER	ICD-10-CM	
10 Recurrent severe hypoglycaemic episodes within the last year as judged by the investigator. Hypoglycemia	T38.3X3D	DX	POISONING BY INSULIN AND ORAL HYPOGLYCEMIC [ANTIDIABETIC] DRUGS, ASSAULT, SUBSEQUENT ENCOUNTER	ICD-10-CM	
10 Recurrent severe hypoglycaemic episodes within the last year as judged by the investigator. Hypoglycemia	T38.3X3S	DX	POISONING BY INSULIN AND ORAL HYPOGLYCEMIC [ANTIDIABETIC] DRUGS, ASSAULT, SEQUELA	ICD-10-CM	
10 Recurrent severe hypoglycaemic episodes within the last year as judged by the investigator. Hypoglycemia	T38.3X4	DX	POISONING BY INSULIN AND ORAL HYPOGLYCEMIC [ANTIDIABETIC] DRUGS, UNDETERMINED	ICD-10-CM	
10 Recurrent severe hypoglycaemic episodes within the last year as judged by the investigator. Hypoglycemia	T38.3X4A	DX	POISONING BY INSULIN AND ORAL HYPOGLYCEMIC [ANTIDIABETIC] DRUGS, UNDETERMINED, INITIAL ENCOUNTER	ICD-10-CM	
10 Recurrent severe hypoglycaemic episodes within the last year as judged by the investigator. Hypoglycemia	T38.3X4D	DX	POISONING BY INSULIN AND ORAL HYPOGLYCEMIC [ANTIDIABETIC] DRUGS, UNDETERMINED, SUBSEQUENT ENCOUNTER	ICD-10-CM	
10 Recurrent severe hypoglycaemic episodes within the last year as judged by the investigator. Hypoglycemia	T38.3X4S	DX	POISONING BY INSULIN AND ORAL HYPOGLYCEMIC [ANTIDIABETIC] DRUGS, UNDETERMINED, SEQUELA	ICD-10-CM	
10 Recurrent severe hypoglycaemic episodes within the last year as judged by the investigator. Hypoglycemia	T38.3X5	DX	ADVERSE EFFECT OF INSULIN AND ORAL HYPOGLYCEMIC [ANTIDIABETIC] DRUGS	ICD-10-CM	
10 Recurrent severe hypoglycaemic episodes within the last year as judged by the investigator. Hypoglycemia	T38.3X5A	DX	ADVERSE EFFECT OF INSULIN AND ORAL HYPOGLYCEMIC [ANTIDIABETIC] DRUGS, INITIAL ENCOUNTER	ICD-10-CM	
10 Recurrent severe hypoglycaemic episodes within the last year as judged by the investigator. Hypoglycemia	T38.3X5D	DX	ADVERSE EFFECT OF INSULIN AND ORAL HYPOGLYCEMIC [ANTIDIABETIC] DRUGS, SUBSEQUENT ENCOUNTER	ICD-10-CM	
10 Recurrent severe hypoglycaemic episodes within the last year as judged by the investigator. Hypoglycemia	T38.3X5S	DX	ADVERSE EFFECT OF INSULIN AND ORAL HYPOGLYCEMIC [ANTIDIABETIC] DRUGS, SEQUELA	ICD-10-CM	
11 Treatment with continuous subcutaneous insulin infusion	T85.614	DX	BREAKDOWN (MECHANICAL) OF INSULIN PUMP	ICD-10-CM	
11 Treatment with continuous subcutaneous insulin infusion	T85.614A	DX	BREAKDOWN (MECHANICAL) OF INSULIN PUMP, INITIAL ENCOUNTER	ICD-10-CM	
11 Treatment with continuous subcutaneous insulin infusion	T85.614D	DX	BREAKDOWN (MECHANICAL) OF INSULIN PUMP, SUBSEQUENT ENCOUNTER	ICD-10-CM	
11 Treatment with continuous subcutaneous insulin infusion	T85.614S	DX	BREAKDOWN (MECHANICAL) OF INSULIN PUMP, SEQUELA	ICD-10-CM	
11 Treatment with continuous subcutaneous insulin infusion	T85.624	DX	DISPLACEMENT OF INSULIN PUMP	ICD-10-CM	
11 Treatment with continuous subcutaneous insulin infusion	T85.624A	DX	DISPLACEMENT OF INSULIN PUMP, INITIAL ENCOUNTER	ICD-10-CM	
11 Treatment with continuous subcutaneous insulin infusion	T85.624D	DX	DISPLACEMENT OF INSULIN PUMP, SUBSEQUENT ENCOUNTER	ICD-10-CM	

11 Treatment with continuous subcutaneous insulin infusion		T85.624S		DX	DISPLACEMENT OF INSULIN PUMP, SEQUELA	ICD-10-CM
11 Treatment with continuous subcutaneous insulin infusion		T85.633		DX	LEAKAGE OF INSULIN PUMP	ICD-10-CM
11 Treatment with continuous subcutaneous insulin infusion		T85.633A		DX	LEAKAGE OF INSULIN PUMP, INITIAL ENCOUNTER	ICD-10-CM
11 Treatment with continuous subcutaneous insulin infusion		T85.633D		DX	LEAKAGE OF INSULIN PUMP, SUBSEQUENT ENCOUNTER	ICD-10-CM
11 Treatment with continuous subcutaneous insulin infusion		T85.633S		DX	LEAKAGE OF INSULIN PUMP, SEQUELA	ICD-10-CM
11 Treatment with continuous subcutaneous insulin infusion		T85.694		DX	OTHER MECHANICAL COMPLICATION OF INSULIN PUMP	ICD-10-CM
11 Treatment with continuous subcutaneous insulin infusion		T85.694A		DX	OTHER MECHANICAL COMPLICATION OF INSULIN PUMP, INITIAL ENCOUNTER	ICD-10-CM
11 Treatment with continuous subcutaneous insulin infusion		T85.694D		DX	OTHER MECHANICAL COMPLICATION OF INSULIN PUMP, SUBSEQUENT ENCOUNTER	ICD-10-CM
11 Treatment with continuous subcutaneous insulin infusion		T85.694S		DX	OTHER MECHANICAL COMPLICATION OF INSULIN PUMP, SEQUELA	ICD-10-CM
11 Treatment with continuous subcutaneous insulin infusion		T85.72		DX	INFECTION AND INFLAMMATORY REACTION DUE TO INSULIN PUMP	ICD-10-CM
11 Treatment with continuous subcutaneous insulin infusion		T85.72XA		DX	INFECTION AND INFLAMMATORY REACTION DUE TO INSULIN PUMP, INITIAL ENCOUNTER	ICD-10-CM
11 Treatment with continuous subcutaneous insulin infusion		T85.72XD		DX	INFECTION AND INFLAMMATORY REACTION DUE TO INSULIN PUMP, SUBSEQUENT ENCOUNTER	ICD-10-CM
11 Treatment with continuous subcutaneous insulin infusion		T85.72XS		DX	INFECTION AND INFLAMMATORY REACTION DUE TO INSULIN PUMP, SEQUELA	ICD-10-CM
11 Treatment with continuous subcutaneous insulin infusion		Z46.81		DX	ENCOUNTER FOR FITTING AND ADJUSTMENT OF INSULIN PUMP	ICD-10-CM
11 Treatment with continuous subcutaneous insulin infusion		Z98.41		DX	PRESENCE OF INSULIN PUMP (EXTERNAL) (INTERNAL)	ICD-10-CM
11 Treatment with continuous subcutaneous insulin infusion		0446T		PX	CREATION OF SUBCUTANEOUS POCKET WITH INSERTION OF IMPLANTABLE INTERSTITIAL GLUCOSE SENSOR, INCLUDING SYSTEM ACTIVATION AND PATIENT TRAINING	CPT/HCPCS
11 Treatment with continuous subcutaneous insulin infusion		0447T		PX	REMOVAL OF IMPLANTABLE INTERSTITIAL GLUCOSE SENSOR FROM SUBCUTANEOUS POCKET VIA INCISION	CPT/HCPCS
11 Treatment with continuous subcutaneous insulin infusion		0448T		PX	REMOVAL OF IMPLANTABLE INTERSTITIAL GLUCOSE SENSOR WITH CREATION OF SUBCUTANEOUS POCKET AT DIFFERENT ANATOMIC SITE AND INSERTION OF NEW IMPLANTABLE SENSOR, INCLUDING SYSTEM ACTIVATION	CPT/HCPCS
11 Treatment with continuous subcutaneous insulin infusion		A4226		PX	SUPPLIES FOR MAINTENANCE OF INSULIN INFUSION PUMP WITH DOSAGE RATE ADJUSTMENT USING THERAPEUTIC CONTINUOUS GLUCOSE SENSING	CPT/HCPCS
11 Treatment with continuous subcutaneous insulin infusion		A4230		PX	INFUSION SET FOR EXTERNAL INSULIN PUMP, NON-NEEDLE CANNULA TYPE	CPT/HCPCS
11 Treatment with continuous subcutaneous insulin infusion		A4231		PX	INFUSION SET FOR EXTERNAL INSULIN PUMP, NEEDLE TYPE	CPT/HCPCS
11 Treatment with continuous subcutaneous insulin infusion		A4232		PX	SYRINGE WITH NEEDLE FOR EXTERNAL INSULIN PUMP, STERILE, 3 CC	CPT/HCPCS
11 Treatment with continuous subcutaneous insulin infusion		E0787		PX	EXTERNAL AMBULATORY INFUSION PUMP, INSULIN, DOSAGE RATE ADJUSTMENT USING THERAPEUTIC CONTINUOUS GLUCOSE SENSING	CPT/HCPCS
11 Treatment with continuous subcutaneous insulin infusion		J1817		PX	INSULIN FOR ADMINISTRATION THROUGH DME (I.E., INSULIN PUMP) PER 50 UNITS	CPT/HCPCS
11 Treatment with continuous subcutaneous insulin infusion		S1034		PX	ARTIFICIAL PANCREAS DEVICE SYSTEM (E.G., LOW GLUCOSE SUSPEND (LGS) FEATURE) INCLUDING CONTINUOUS GLUCOSE MONITOR, BLOOD GLUCOSE METER, AND INSULIN PUMP	CPT/HCPCS
11 Treatment with continuous subcutaneous insulin infusion		S9145		PX	INSULIN PUMP INITIATION, INSTRUCTION IN INITIAL USE OF PUMP (PUMP NOT INCLUDED)	CPT/HCPCS
12 Personal or first-degree relative(s) history of multiple endocrine neoplasia type 2 or medullary thyroid carcinoma.	MEN-2	E31.22		DX	MULTIPLE ENDOCRINE NEOPLASIA [MEN] TYPE IIA	ICD-10-CM
12 Personal or first-degree relative(s) history of multiple endocrine neoplasia type 2 or medullary thyroid carcinoma.	MEN-2	E31.23		DX	MULTIPLE ENDOCRINE NEOPLASIA [MEN] TYPE IIB	ICD-10-CM
12 Personal or first-degree relative(s) history of multiple endocrine neoplasia type 2 or medullary thyroid carcinoma.	Malignant neoplasm of thyroid gland	C73		DX	MALIGNANT NEOPLASM OF THYROID GLAND	ICD-10-CM
13 Presence of acute pancreatitis within the last 180 days prior to screening.		B25.2		DX	CYTOMEGALOVIRAL PANCREATITIS	ICD-10-CM
13 Presence of acute pancreatitis within the last 180 days prior to screening.		K85.0		DX	IDIOPATHIC ACUTE PANCREATITIS	ICD-10-CM
13 Presence of acute pancreatitis within the last 180 days prior to screening.		K85.00		DX	IDIOPATHIC ACUTE PANCREATITIS WITHOUT NECROSIS OR INFECTION	ICD-10-CM
13 Presence of acute pancreatitis within the last 180 days prior to screening.		K85.01		DX	IDIOPATHIC ACUTE PANCREATITIS WITH UNINFECTED NECROSIS	ICD-10-CM
13 Presence of acute pancreatitis within the last 180 days prior to screening.		K85.02		DX	IDIOPATHIC ACUTE PANCREATITIS WITH INFECTED NECROSIS	ICD-10-CM
13 Presence of acute pancreatitis within the last 180 days prior to screening.		K85.1		DX	BILIARY ACUTE PANCREATITIS	ICD-10-CM
13 Presence of acute pancreatitis within the last 180 days prior to screening.		K85.10		DX	BILIARY ACUTE PANCREATITIS WITHOUT NECROSIS OR INFECTION	ICD-10-CM
13 Presence of acute pancreatitis within the last 180 days prior to screening.		K85.11		DX	BILIARY ACUTE PANCREATITIS WITH UNINFECTED NECROSIS	ICD-10-CM
13 Presence of acute pancreatitis within the last 180 days prior to screening.		K85.12		DX	BILIARY ACUTE PANCREATITIS WITH INFECTED NECROSIS	ICD-10-CM
13 Presence of acute pancreatitis within the last 180 days prior to screening.		K85.2		DX	ALCOHOL INDUCED ACUTE PANCREATITIS	ICD-10-CM
13 Presence of acute pancreatitis within the last 180 days prior to screening.		K85.20		DX	ALCOHOL INDUCED ACUTE PANCREATITIS WITHOUT NECROSIS OR INFECTION	ICD-10-CM
13 Presence of acute pancreatitis within the last 180 days prior to screening.		K85.21		DX	ALCOHOL INDUCED ACUTE PANCREATITIS WITH UNINFECTED NECROSIS	ICD-10-CM
13 Presence of acute pancreatitis within the last 180 days prior to screening.		K85.22		DX	ALCOHOL INDUCED ACUTE PANCREATITIS WITH INFECTED NECROSIS	ICD-10-CM
13 Presence of acute pancreatitis within the last 180 days prior to screening.		K85.3		DX	DRUG INDUCED ACUTE PANCREATITIS	ICD-10-CM
13 Presence of acute pancreatitis within the last 180 days prior to screening.		K85.30		DX	DRUG INDUCED ACUTE PANCREATITIS WITHOUT NECROSIS OR INFECTION	ICD-10-CM
13 Presence of acute pancreatitis within the last 180 days prior to screening.		K85.31		DX	DRUG INDUCED ACUTE PANCREATITIS WITH UNINFECTED NECROSIS	ICD-10-CM
13 Presence of acute pancreatitis within the last 180 days prior to screening.		K85.32		DX	DRUG INDUCED ACUTE PANCREATITIS WITH INFECTED NECROSIS	ICD-10-CM
13 Presence of acute pancreatitis within the last 180 days prior to screening.		K85.8		DX	OTHER ACUTE PANCREATITIS	ICD-10-CM
13 Presence of acute pancreatitis within the last 180 days prior to screening.		K85.80		DX	OTHER ACUTE PANCREATITIS WITHOUT NECROSIS OR INFECTION	ICD-10-CM
13 Presence of acute pancreatitis within the last 180 days prior to screening.		K85.81		DX	OTHER ACUTE PANCREATITIS WITH UNINFECTED NECROSIS	ICD-10-CM
13 Presence of acute pancreatitis within the last 180 days prior to screening.		K85.82		DX	OTHER ACUTE PANCREATITIS WITH INFECTED NECROSIS	ICD-10-CM
13 Presence of acute pancreatitis within the last 180 days prior to screening.		K85.9		DX	ACUTE PANCREATITIS, UNSPECIFIED	ICD-10-CM
13 Presence of acute pancreatitis within the last 180 days prior to screening.		K85.90		DX	ACUTE PANCREATITIS WITHOUT NECROSIS OR INFECTION, UNSPECIFIED	ICD-10-CM

13	Presence of acute pancreatitis within the last 180 days prior to screening.	K85.91	DX	ACUTE PANCREATITIS WITH UNINFECTED NECROSIS, UNSPECIFIED	ICD-10-CM
13	Presence of acute pancreatitis within the last 180 days prior to screening.	K85.92	DX	ACUTE PANCREATITIS WITH INFECTED NECROSIS, UNSPECIFIED	ICD-10-CM
14	History or presence of chronic pancreatitis.	K86.0	DX	ALCOHOL-INDUCED CHRONIC PANCREATITIS	ICD-10-CM
14	History or presence of chronic pancreatitis.	K86.1	DX	OTHER CHRONIC PANCREATITIS	ICD-10-CM
14	History or presence of chronic pancreatitis.	K86.2	DX	CYST OF PANCREAS	ICD-10-CM
14	History or presence of chronic pancreatitis.	K86.3	DX	PSEUDOCYST OF PANCREAS	ICD-10-CM
14	History or presence of chronic pancreatitis.	K86.8	DX	OTHER SPECIFIED DISEASES OF PANCREAS	ICD-10-CM
14	History or presence of chronic pancreatitis.	K86.81	DX	EXOCRINE PANCREATIC INSUFFICIENCY	ICD-10-CM
14	History or presence of chronic pancreatitis.	K86.89	DX	OTHER SPECIFIED DISEASES OF PANCREAS	ICD-10-CM
14	History or presence of chronic pancreatitis.	K86.9	DX	DISEASE OF PANCREAS, UNSPECIFIED	ICD-10-CM
15	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	N18.6	DX	END STAGE RENAL DISEASE	ICD-10-CM
15	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	90920	PX	END STAGE RENAL DISEASE (ESRD) RELATED SERVICES PER FULL MONTH; FOR PATIENTS BETWEEN TWELVE AND NINETEEN YEARS OF AGE TO INCLUDE MONITORING FOR THE ADEQUACY OF NUTRITION, ASSESSMENT OF GROWTH AND DEVELOPMENT, AND COUNSELING OF PARENTS / END-STAGE RENAL DISEASE (ESRD) RELATED SERVICES PER FULL MONTH; FOR PATIENTS BETWEEN TWELVE AND NINETEEN YEARS OF AGE TO INCLUDE MONITORING FOR THE ADEQUACY OF NUTRITION, ASSESSMENT OF GROWTH AND DEVELOPMENT, AND COUNSELING OF PARENTS	CPT/HCPCS
15	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	90921	PX	END STAGE RENAL DISEASE (ESRD) RELATED SERVICES PER FULL MONTH; FOR PATIENTS TWENTY YEARS OF AGE AND OVER / END-STAGE RENAL DISEASE (ESRD) RELATED SERVICES PER FULL MONTH; FOR PATIENTS TWENTY YEARS OF AGE AND OLDER / END-STAGE RENAL DISEASE (ESRD) RELATED SERVICES PER FULL MONTH; FOR PATIENTS TWENTY YEARS OF AGE AND OVER	CPT/HCPCS
15	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	90924	PX	END STAGE RENAL DISEASE (ESRD) RELATED SERVICES (LESS THAN FULL MONTH, PER DAY; FOR PATIENTS BETWEEN TWELVE AND NINETEEN YEARS OF AGE / END-STAGE RENAL DISEASE (ESRD) RELATED SERVICES (LESS THAN FULL MONTH), PER DAY; FOR PATIENTS BETWEEN TWELVE AND NINETEEN YEARS OF AGE	CPT/HCPCS
15	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	90925	PX	END STAGE RENAL DISEASE (ESRD) RELATED SERVICES (LESS THAN FULL MONTH), PER DAY; FOR PATIENTS TWENTY YEARS OF AGE AND OVER / END-STAGE RENAL DISEASE (ESRD) RELATED SERVICES (LESS THAN FULL MONTH), PER DAY; FOR PATIENTS TWENTY YEARS OF AGE AND OLDER / END-STAGE RENAL DISEASE (ESRD) RELATED SERVICES (LESS THAN FULL MONTH), PER DAY; FOR PATIENTS TWENTY YEARS OF AGE AND OVER	CPT/HCPCS
15	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	90935	PX	HEMODIALYSIS PROCEDURE WITH SINGLE EVALUATION BY A PHYSICIAN OR OTHER QUALIFIED HEALTH CARE PROFESSIONAL	CPT/HCPCS
15	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	90937	PX	HEMODIALYSIS PROCEDURE REQUIRING REPEATED EVALUATION(S) WITH OR WITHOUT SUBSTANTIAL REVISION OF DIALYSIS PRESCRIPTION	CPT/HCPCS
15	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	90939	PX	HEMODIALYSIS ACCESS FLOW STUDY TO DETERMINE BLOOD FLOW IN GRAFTS AND ARTERIOVENOUS FISTULAE BY AN INDICATOR DILUTION METHOD, HOOK-UP; TRANSCUTANEOUS MEASUREMENT AND DISCONNECTION	CPT/HCPCS
15	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	90940	PX	HEMODIALYSIS ACCESS FLOW STUDY TO DETERMINE BLOOD FLOW IN GRAFTS AND ARTERIOVENOUS FISTULAE BY AN INDICATOR METHOD	CPT/HCPCS
15	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	90945	PX	DIALYSIS PROCEDURE OTHER THAN HEMODIALYSIS (EG, PERITONEAL DIALYSIS, HEMOFILTRATION, OR OTHER CONTINUOUS RENAL REPLACEMENT THERAPIES), WITH SINGLE EVALUATION BY A PHYSICIAN OR OTHER QUALIFIED HEALTH CARE PROFESSIONAL	CPT/HCPCS
15	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	90947	PX	DIALYSIS PROCEDURE OTHER THAN HEMODIALYSIS (EG, PERITONEAL DIALYSIS, HEMOFILTRATION, OR OTHER CONTINUOUS RENAL REPLACEMENT THERAPIES) REQUIRING REPEATED EVALUATIONS BY A PHYSICIAN OR OTHER QUALIFIED HEALTH CARE PROFESSIONAL, WITH OR WITHOUT SUBSTANTIAL REVISION OF DIALYSIS PRESCRIPTION	CPT/HCPCS
15	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	90957	PX	END-STAGE RENAL DISEASE (ESRD) RELATED SERVICES MONTHLY, FOR PATIENTS 12-19 YEARS OF AGE TO INCLUDE MONITORING FOR THE ADEQUACY OF NUTRITION, ASSESSMENT OF GROWTH AND DEVELOPMENT, AND COUNSELING OF PARENTS; WITH 4 OR MORE FACE-TO-FACE VISITS BY A PHYSICIAN OR OTHER QUALIFIED HEALTH CARE PROFESSIONAL PER MONTH	CPT/HCPCS
15	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	90958	PX	END-STAGE RENAL DISEASE (ESRD) RELATED SERVICES MONTHLY, FOR PATIENTS 12-19 YEARS OF AGE TO INCLUDE MONITORING FOR THE ADEQUACY OF NUTRITION, ASSESSMENT OF GROWTH AND DEVELOPMENT, AND COUNSELING OF PARENTS; WITH 2-3 FACE-TO-FACE VISITS BY A PHYSICIAN OR OTHER QUALIFIED HEALTH CARE PROFESSIONAL PER MONTH	CPT/HCPCS
15	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	90959	PX	END-STAGE RENAL DISEASE (ESRD) RELATED SERVICES MONTHLY, FOR PATIENTS 12-19 YEARS OF AGE TO INCLUDE MONITORING FOR THE ADEQUACY OF NUTRITION, ASSESSMENT OF GROWTH AND DEVELOPMENT, AND COUNSELING OF PARENTS; WITH 1 FACE-TO-FACE VISIT BY A PHYSICIAN OR OTHER QUALIFIED HEALTH CARE PROFESSIONAL PER MONTH	CPT/HCPCS
15	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	90960	PX	END-STAGE RENAL DISEASE (ESRD) RELATED SERVICES MONTHLY, FOR PATIENTS 20 YEARS OF AGE AND OLDER; WITH 4 OR MORE FACE-TO-FACE VISITS BY A PHYSICIAN OR OTHER QUALIFIED HEALTH CARE PROFESSIONAL PER MONTH	CPT/HCPCS
15	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	90961	PX	END-STAGE RENAL DISEASE (ESRD) RELATED SERVICES MONTHLY, FOR PATIENTS 20 YEARS OF AGE AND OLDER; WITH 2-3 FACE-TO-FACE VISITS BY A PHYSICIAN OR OTHER QUALIFIED HEALTH CARE PROFESSIONAL PER MONTH	CPT/HCPCS
15	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	90962	PX	END-STAGE RENAL DISEASE (ESRD) RELATED SERVICES MONTHLY, FOR PATIENTS 20 YEARS OF AGE AND OLDER; WITH 1 FACE-TO-FACE VISIT BY A PHYSICIAN OR OTHER QUALIFIED HEALTH CARE PROFESSIONAL PER MONTH	CPT/HCPCS
15	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	90965	PX	END-STAGE RENAL DISEASE (ESRD) RELATED SERVICES FOR HOME DIALYSIS PER FULL MONTH, FOR PATIENTS 12-19 YEARS OF AGE TO INCLUDE MONITORING FOR THE ADEQUACY OF NUTRITION, ASSESSMENT OF GROWTH AND DEVELOPMENT, AND COUNSELING OF PARENTS	CPT/HCPCS
15	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	90966	PX	END-STAGE RENAL DISEASE (ESRD) RELATED SERVICES FOR HOME DIALYSIS PER FULL MONTH, FOR PATIENTS 20 YEARS OF AGE AND OLDER	CPT/HCPCS
15	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	90969	PX	END-STAGE RENAL DISEASE (ESRD) RELATED SERVICES FOR DIALYSIS LESS THAN A FULL MONTH OF SERVICE, PER DAY; FOR PATIENTS 12-19 YEARS OF AGE	CPT/HCPCS

15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	90970	PX	END-STAGE RENAL DISEASE (ESRD) RELATED SERVICES FOR DIALYSIS LESS THAN A FULL MONTH OF SERVICE, PER DAY; FOR PATIENTS 20 YEARS OF AGE AND OLDER	CPT/HCPCS
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	I12.0	DX	HYPERTENSIVE CHRONIC KIDNEY DISEASE WITH STAGE 5 CHRONIC KIDNEY DISEASE OR END STAGE RENAL DISEASE	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	I13.2	DX	HYPERTENSIVE HEART AND CHRONIC KIDNEY DISEASE WITH HEART FAILURE AND WITH STAGE 5 CHRONIC KIDNEY DISEASE, OR END STAGE RENAL DISEASE	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	90989	PX	DIALYSIS TRAINING, PATIENT, INCLUDING HELPER WHERE APPLICABLE, ANY MODE, COMPLETED COURSE	CPT/HCPCS
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	90993	PX	DIALYSIS TRAINING, PATIENT, INCLUDING HELPER WHERE APPLICABLE, ANY MODE, COURSE NOT COMPLETED, PER TRAINING SESSION	CPT/HCPCS
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	90999	PX	UNLISTED DIALYSIS PROCEDURE, INPATIENT OR OUTPATIENT	CPT/HCPCS
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	99512	PX	HOME VISIT FOR HEMODIALYSIS	CPT/HCPCS
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	99559	PX	HOME INFUSION OF PERITONEAL DIALYSIS, PER DIEM / HOME INFUSION OF PERITONEAL DIALYSIS, PER VISIT	CPT/HCPCS
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	Z49	DX	ENCOUNTER FOR CARE INVOLVING RENAL DIALYSIS	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	Z49.0	DX	PREPARATORY CARE FOR RENAL DIALYSIS	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	Z49.3	DX	ENCOUNTER FOR ADEQUACY TESTING FOR DIALYSIS	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	Z49.31	DX	ENCOUNTER FOR ADEQUACY TESTING FOR HEMODIALYSIS	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	Z49.32	DX	ENCOUNTER FOR ADEQUACY TESTING FOR PERITONEAL DIALYSIS	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	Z49.01	DX	ENCOUNTER FOR FITTING AND ADJUSTMENT OF EXTRACORPOREAL DIALYSIS CATHETER	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	Z49.02	DX	ENCOUNTER FOR FITTING AND ADJUSTMENT OF PERITONEAL DIALYSIS CATHETER	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	Z91.15	DX	PATIENT'S NONCOMPLIANCE WITH RENAL DIALYSIS	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	Z99.2	DX	DEPENDENCE ON RENAL DIALYSIS	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	R88.0	DX	CLOUDY (HEMODIALYSIS) (PERITONEAL) DIALYSIS EFFLUENT	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T82.41	DX	BREAKDOWN (MECHANICAL) OF VASCULAR DIALYSIS CATHETER	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T82.41XA	DX	BREAKDOWN (MECHANICAL) OF VASCULAR DIALYSIS CATHETER, INITIAL ENCOUNTER	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T82.41XD	DX	BREAKDOWN (MECHANICAL) OF VASCULAR DIALYSIS CATHETER, SUBSEQUENT ENCOUNTER	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T82.41XS	DX	BREAKDOWN (MECHANICAL) OF VASCULAR DIALYSIS CATHETER, SEQUELA	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T82.42	DX	DISPLACEMENT OF VASCULAR DIALYSIS CATHETER	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T82.42XA	DX	DISPLACEMENT OF VASCULAR DIALYSIS CATHETER, INITIAL ENCOUNTER	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T82.42XD	DX	DISPLACEMENT OF VASCULAR DIALYSIS CATHETER, SUBSEQUENT ENCOUNTER	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T82.42XS	DX	DISPLACEMENT OF VASCULAR DIALYSIS CATHETER, SEQUELA	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T82.43	DX	LEAKAGE OF VASCULAR DIALYSIS CATHETER	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T82.43XA	DX	LEAKAGE OF VASCULAR DIALYSIS CATHETER, INITIAL ENCOUNTER	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T82.43XD	DX	LEAKAGE OF VASCULAR DIALYSIS CATHETER, SUBSEQUENT ENCOUNTER	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T82.43XS	DX	LEAKAGE OF VASCULAR DIALYSIS CATHETER, SEQUELA	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T82.49	DX	OTHER COMPLICATION OF VASCULAR DIALYSIS CATHETER	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T82.49XA	DX	OTHER COMPLICATION OF VASCULAR DIALYSIS CATHETER, INITIAL ENCOUNTER	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T82.49XD	DX	OTHER COMPLICATION OF VASCULAR DIALYSIS CATHETER, SUBSEQUENT ENCOUNTER	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T82.49XS	DX	OTHER COMPLICATION OF VASCULAR DIALYSIS CATHETER, SEQUELA	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T85.611	DX	BREAKDOWN (MECHANICAL) OF INTRAPERITONEAL DIALYSIS CATHETER	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T85.611A	DX	BREAKDOWN (MECHANICAL) OF INTRAPERITONEAL DIALYSIS CATHETER, INITIAL ENCOUNTER	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T85.611D	DX	BREAKDOWN (MECHANICAL) OF INTRAPERITONEAL DIALYSIS CATHETER, SUBSEQUENT ENCOUNTER	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T85.611S	DX	BREAKDOWN (MECHANICAL) OF INTRAPERITONEAL DIALYSIS CATHETER, SEQUELA	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T85.621	DX	DISPLACEMENT OF INTRAPERITONEAL DIALYSIS CATHETER	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T85.621A	DX	DISPLACEMENT OF INTRAPERITONEAL DIALYSIS CATHETER, INITIAL ENCOUNTER	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T85.621D	DX	DISPLACEMENT OF INTRAPERITONEAL DIALYSIS CATHETER, SUBSEQUENT ENCOUNTER	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T85.621S	DX	DISPLACEMENT OF INTRAPERITONEAL DIALYSIS CATHETER, SEQUELA	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T85.631	DX	LEAKAGE OF INTRAPERITONEAL DIALYSIS CATHETER	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T85.631A	DX	LEAKAGE OF INTRAPERITONEAL DIALYSIS CATHETER, INITIAL ENCOUNTER	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T85.631D	DX	LEAKAGE OF INTRAPERITONEAL DIALYSIS CATHETER, SUBSEQUENT ENCOUNTER	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T85.631S	DX	LEAKAGE OF INTRAPER	ICD-10-CM

15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T85.691	DX	OTHER MECHANICAL COMPLICATION OF INTRAPERITONEAL DIALYSIS CATHETER	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T85.691A	DX	OTHER MECHANICAL COMPLICATION OF INTRAPERITONEAL DIALYSIS CATHETER, INITIAL ENCOUNTER	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T85.691D	DX	OTHER MECHANICAL COMPLICATION OF INTRAPERITONEAL DIALYSIS CATHETER, SUBSEQUENT ENCOUNTER	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T85.691S	DX	OTHER MECHANICAL COMPLICATION OF INTRAPERITONEAL DIALYSIS CATHETER, SEQUELA	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T85.71	DX	INFECTION AND INFLAMMATORY REACTION DUE TO PERITONEAL DIALYSIS CATHETER	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T85.71XA	DX	INFECTION AND INFLAMMATORY REACTION DUE TO PERITONEAL DIALYSIS CATHETER, INITIAL ENCOUNTER	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T85.71XD	DX	INFECTION AND INFLAMMATORY REACTION DUE TO PERITONEAL DIALYSIS CATHETER, SUBSEQUENT ENCOUNTER	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T85.71XS	DX	INFECTION AND INFLAMMATORY REACTION DUE TO PERITONEAL DIALYSIS CATHETER, SEQUELA	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	Y84.1	DX	KIDNEY DIALYSIS AS THE CAUSE OF ABNORMAL REACTION OF THE PATIENT, OR OF LATER COMPLICATION, WITHOUT MENTION OF MISADVENTURE AT THE TIME OF THE PROCEDURE	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	5A1D70Z	PX	PERFORMANCE OF URINARY FILTRATION, INTERMITTENT, LESS THAN 6 HOURS PER DAY	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	5A1D80Z	PX	PERFORMANCE OF URINARY FILTRATION, PROLONGED INTERMITTENT, 6-18 HOURS PER DAY	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	5A1D90Z	PX	PERFORMANCE OF URINARY FILTRATION, CONTINUOUS, GREATER THAN 18 HOURS PER DAY	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	5A1D00Z	PX	PERFORMANCE OF URINARY FILTRATION, SINGLE	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	5A1D60Z	PX	PERFORMANCE OF URINARY FILTRATION, MULTIPLE	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	3E1M39Z	PX	IRRIGATION OF PERITONEAL CAVITY USING DIALYSATE, PERCUTANEOUS APPROACH	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	90945	PX	DIALYSIS PROCEDURE OTHER THAN HEMODIALYSIS (E.G., PERITONEAL DIALYSIS, HEMOFILTRATION, OR OTHER CONTINUOUS RENAL REPLACEMENT THERAPIES), WITH SINGLE EVALUATION BY A PHYSICIAN OR OTHER QUALIFIED HEALTH CARE PROFESSIONAL	CPT/HCPCS
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	90947	PX	DIALYSIS PROCEDURE OTHER THAN HEMODIALYSIS (E.G., PERITONEAL DIALYSIS, HEMOFILTRATION, OR OTHER CONTINUOUS RENAL REPLACEMENT THERAPIES) REQUIRING REPEATED EVALUATIONS BY A PHYSICIAN OR OTHER QUALIFIED HEALTH CARE PROFESSIONAL, WITH OR WITHOUT SUBSTANTIAL REVISION OF DIALYSIS PRESCRIPTION	CPT/HCPCS
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	Z94.0	DX	KIDNEY TRANSPLANT STATUS	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T86.1	DX	COMPLICATIONS OF KIDNEY TRANSPLANT	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T86.10	DX	UNSPECIFIED COMPLICATION OF KIDNEY TRANSPLANT	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T86.11	DX	KIDNEY TRANSPLANT REJECTION	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T86.12	DX	KIDNEY TRANSPLANT FAILURE	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T86.13	DX	KIDNEY TRANSPLANT INFECTION	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	T86.19	DX	OTHER COMPLICATION OF KIDNEY TRANSPLANT	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	Z48.22	DX	ENCOUNTER FOR AFTERCARE FOLLOWING KIDNEY TRANSPLANT	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	0TY00Z0	PX	TRANSPLANTATION OF RIGHT KIDNEY, ALLOGENEIC, OPEN APPROACH	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	0TY00Z1	PX	TRANSPLANTATION OF RIGHT KIDNEY, SYNGENEIC, OPEN APPROACH	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	0TY00Z2	PX	TRANSPLANTATION OF RIGHT KIDNEY, ZOOPLASTIC, OPEN APPROACH	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	0TY10Z0	PX	TRANSPLANTATION OF LEFT KIDNEY, ALLOGENEIC, OPEN APPROACH	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	0TY10Z1	PX	TRANSPLANTATION OF LEFT KIDNEY, SYNGENEIC, OPEN APPROACH	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	0TY10Z2	PX	TRANSPLANTATION OF LEFT KIDNEY, ZOOPLASTIC, OPEN APPROACH	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	0TS00ZZ	PX	REPOSITION RIGHT KIDNEY, OPEN APPROACH	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	0TS10ZZ	PX	REPOSITION LEFT KIDNEY, OPEN APPROACH	ICD-10-CM
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	50360	PX	RENAL ALLOTRANSPLANTATION, IMPLANTATION OF GRAFT; WITHOUT RECIPIENT NEPHRECTOMY	CPT/HCPCS
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	50365	PX	RENAL ALLOTRANSPLANTATION, IMPLANTATION OF GRAFT; WITH RECIPIENT NEPHRECTOMY	CPT/HCPCS
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	50370	PX	REMOVAL OF TRANSPLANTED RENAL ALLOGRAFT	CPT/HCPCS
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	50380	PX	RENAL AUTOTRANSPLANTATION, REIMPLANTATION OF KIDNEY	CPT/HCPCS
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	G0257	PX	UNSCHEDULED OR EMERGENCY DIALYSIS TREATMENT FOR AN ESRD PATIENT IN A HOSPITAL OUTPATIENT DEPARTMENT THAT IS NOT CERTIFIED AS AN ESRD FACILITY	CPT/HCPCS
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	G0319	PX	END STAGE RENAL DISEASE (ESRD) RELATED SERVICES DURING THE COURSE OF TREATMENT, FOR PATIENTS 20 YEARS OF AGE AND OVER; WITH 1 FACE-TO-FACE PHYSICIAN VISIT PER MONTH / END STAGE RENAL DISEASE (ESRD) RELATED SERVICES DURING THE COURSE OF TREATMENT, FOR PATIENTS 20 YEARS OF AGE AND OVER; WITH 1 FACE-TO-FACE PHYSICIAN VISIT PER MONTH	CPT/HCPCS
15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	G0326	PX	END STAGE RENAL DISEASE (ESRD) RELATED SERVICES FOR HOME DIALYSIS (LESS THAN FULL MONTH), PER DAY; FOR PATIENTS BETWEEN TWELVE AND NINETEEN YEARS OF AGE / END STAGE RENAL DISEASE (ESRD) RELATED SERVICES LESS THAN FULL MONTH, PER DAY; FOR PATIENTS BETWEEN TWELVE AND NINETEEN YEARS OF AGE	CPT/HCPCS

15 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis.	S9335	PX	HOME THERAPY, HEMODIALYSIS; ADMINISTRATIVE SERVICES, PROFESSIONAL PHARMACY SERVICES, CARE COORDINATION, AND ALL NECESSARY SUPPLIES AND EQUIPMENT (DRUGS AND NURSING SERVICES CODED SEPARATELY), PER DIEM	CPT/HCPCS
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C00.0	DX	MALIGNANT NEOPLASM OF EXTERNAL UPPER LIP	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C00.1	DX	MALIGNANT NEOPLASM OF EXTERNAL LOWER LIP	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C00.2	DX	MALIGNANT NEOPLASM OF EXTERNAL LIP, UNSPECIFIED	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C00.3	DX	MALIGNANT NEOPLASM OF UPPER LIP, INNER ASPECT	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C00.4	DX	MALIGNANT NEOPLASM OF LOWER LIP, INNER ASPECT	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C00.5	DX	MALIGNANT NEOPLASM OF LIP, UNSPECIFIED, INNER ASPECT	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C00.6	DX	MALIGNANT NEOPLASM OF COMMISSURE OF LIP, UNSPECIFIED	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C00.8	DX	MALIGNANT NEOPLASM OF OVERLAPPING SITES OF LIP	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C00.9	DX	MALIGNANT NEOPLASM OF LIP, UNSPECIFIED	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C01	DX	MALIGNANT NEOPLASM OF BASE OF TONGUE	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C02.0	DX	MALIGNANT NEOPLASM OF DORSAL SURFACE OF TONGUE	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C02.1	DX	MALIGNANT NEOPLASM OF BORDER OF TONGUE	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C02.2	DX	MALIGNANT NEOPLASM OF VENTRAL SURFACE OF TONGUE	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C02.3	DX	MALIGNANT NEOPLASM OF ANTERIOR TWO-THIRDS OF TONGUE, PART UNSPECIFIED	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C02.4	DX	MALIGNANT NEOPLASM OF LINGUAL TONSIL	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C02.8	DX	MALIGNANT NEOPLASM OF OVERLAPPING SITES OF TONGUE	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C02.9	DX	MALIGNANT NEOPLASM OF TONGUE, UNSPECIFIED	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C03.0	DX	MALIGNANT NEOPLASM OF UPPER GUM	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C03.1	DX	MALIGNANT NEOPLASM OF LOWER GUM	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C03.9	DX	MALIGNANT NEOPLASM OF GUM, UNSPECIFIED	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C04.0	DX	MALIGNANT NEOPLASM OF ANTERIOR FLOOR OF MOUTH	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C04.1	DX	MALIGNANT NEOPLASM OF LATERAL FLOOR OF MOUTH	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C04.8	DX	MALIGNANT NEOPLASM OF OVERLAPPING SITES OF FLOOR OF MOUTH	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C04.9	DX	MALIGNANT NEOPLASM OF FLOOR OF MOUTH, UNSPECIFIED	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C05.0	DX	MALIGNANT NEOPLASM OF HARD PALATE	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C05.1	DX	MALIGNANT NEOPLASM OF SOFT PALATE	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C05.2	DX	MALIGNANT NEOPLASM OF UVULA	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C05.8	DX	MALIGNANT NEOPLASM OF OVERLAPPING SITES OF PALATE	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C05.9	DX	MALIGNANT NEOPLASM OF PALATE, UNSPECIFIED	ICD-10-CM

16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C18.4	DX	MALIGNANT NEOPLASM OF TRANSVERSE COLON	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C18.5	DX	MALIGNANT NEOPLASM OF SPLENIC FLEXURE	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C18.6	DX	MALIGNANT NEOPLASM OF DESCENDING COLON	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C18.7	DX	MALIGNANT NEOPLASM OF SIGMOID COLON	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C18.8	DX	MALIGNANT NEOPLASM OF OVERLAPPING SITES OF COLON	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C18.9	DX	MALIGNANT NEOPLASM OF COLON, UNSPECIFIED	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C19	DX	MALIGNANT NEOPLASM OF RECTOSIGMOID JUNCTION	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C20	DX	MALIGNANT NEOPLASM OF RECTUM	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C21.0	DX	MALIGNANT NEOPLASM OF ANUS, UNSPECIFIED	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C21.1	DX	MALIGNANT NEOPLASM OF ANAL CANAL	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C21.2	DX	MALIGNANT NEOPLASM OF CLOACOGENIC ZONE	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C21.8	DX	MALIGNANT NEOPLASM OF OVERLAPPING SITES OF RECTUM, ANUS AND ANAL CANAL	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C22.0	DX	LIVER CELL CARCINOMA	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C22.1	DX	INTRAHEPATIC BILE DUCT CARCINOMA	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C22.2	DX	HEPATOBLASTOMA	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C22.3	DX	ANGIOSARCOMA OF LIVER	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C22.4	DX	OTHER SARCOMAS OF LIVER	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C22.7	DX	OTHER SPECIFIED CARCINOMAS OF LIVER	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C22.8	DX	MALIGNANT NEOPLASM OF LIVER, PRIMARY, UNSPECIFIED AS TO TYPE	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C22.9	DX	MALIGNANT NEOPLASM OF LIVER, NOT SPECIFIED AS PRIMARY OR SECONDARY	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C23	DX	MALIGNANT NEOPLASM OF GALLBLADDER	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C24.0	DX	MALIGNANT NEOPLASM OF EXTRAHEPATIC BILE DUCT	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C24.1	DX	MALIGNANT NEOPLASM OF AMPULLA OF VATER	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C24.8	DX	MALIGNANT NEOPLASM OF OVERLAPPING SITES OF BILIARY TRACT	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C24.9	DX	MALIGNANT NEOPLASM OF BILIARY TRACT, UNSPECIFIED	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C25.0	DX	MALIGNANT NEOPLASM OF HEAD OF PANCREAS	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C25.1	DX	MALIGNANT NEOPLASM OF BODY OF PANCREAS	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C25.2	DX	MALIGNANT NEOPLASM OF TAIL OF PANCREAS	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C25.3	DX	MALIGNANT NEOPLASM OF PANCREATIC DUCT	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C25.4	DX	MALIGNANT NEOPLASM OF ENDOCRINE PANCREAS	ICD-10-CM

16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C7A.09	DX	MALIGNANT CARCINOID TUMORS OF OTHER SITES	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C7A.090	DX	MALIGNANT CARCINOID TUMOR OF THE BRONCHUS AND LUNG	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C7A.091	DX	MALIGNANT CARCINOID TUMOR OF THE THYMUS	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C7A.092	DX	MALIGNANT CARCINOID TUMOR OF THE STOMACH	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C7A.093	DX	MALIGNANT CARCINOID TUMOR OF THE KIDNEY	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C7A.094	DX	MALIGNANT CARCINOID TUMOR OF THE FOREGUT, UNSPECIFIED	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C7A.095	DX	MALIGNANT CARCINOID TUMOR OF THE MIDGUT, UNSPECIFIED	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C7A.096	DX	MALIGNANT CARCINOID TUMOR OF THE HINDGUT, UNSPECIFIED	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C7A.098	DX	MALIGNANT CARCINOID TUMORS OF OTHER SITES	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C7A.1	DX	MALIGNANT POORLY DIFFERENTIATED NEUROENDOCRINE TUMORS	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C7A.8	DX	OTHER MALIGNANT NEUROENDOCRINE TUMORS	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C7B	DX	SECONDARY NEUROENDOCRINE TUMORS	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C7B.0	DX	SECONDARY CARCINOID TUMORS	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C7B.00	DX	SECONDARY CARCINOID TUMORS, UNSPECIFIED SITE	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C7B.01	DX	SECONDARY CARCINOID TUMORS OF DISTANT LYMPH NODES	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C7B.02	DX	SECONDARY CARCINOID TUMORS OF LIVER	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C7B.03	DX	SECONDARY CARCINOID TUMORS OF BONE	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C7B.04	DX	SECONDARY CARCINOID TUMORS OF PERITONEUM	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C7B.09	DX	SECONDARY CARCINOID TUMORS OF OTHER SITES	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C7B.1	DX	SECONDARY MERKEL CELL CARCINOMA	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C7B.8	DX	OTHER SECONDARY NEUROENDOCRINE TUMORS	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C80.0	DX	DISSEMINATED MALIGNANT NEOPLASM, UNSPECIFIED	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C80.1	DX	MALIGNANT (PRIMARY) NEOPLASM, UNSPECIFIED	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C80.2	DX	MALIGNANT NEOPLASM ASSOCIATED WITH TRANSPLANTED ORGAN	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C81.00	DX	NODULAR LYMPHOCYTE PREDOMINANT HODGKIN LYMPHOMA, UNSPECIFIED SITE	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C81.01	DX	NODULAR LYMPHOCYTE PREDOMINANT HODGKIN LYMPHOMA, LYMPH NODES OF HEAD, FACE, AND NECK	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C81.02	DX	NODULAR LYMPHOCYTE PREDOMINANT HODGKIN LYMPHOMA, INTRATHORACIC LYMPH NODES	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C81.03	DX	NODULAR LYMPHOCYTE PREDOMINANT HODGKIN LYMPHOMA, INTRA-ABDOMINAL LYMPH NODES	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C81.04	DX	NODULAR LYMPHOCYTE PREDOMINANT HODGKIN LYMPHOMA, LYMPH NODES OF AXILLA AND UPPER LIMB	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C81.05	DX	NODULAR LYMPHOCYTE PREDOMINANT HODGKIN LYMPHOMA, LYMPH NODES OF INGUINAL REGION AND LOWER LIMB	ICD-10-CM

16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C94.01	DX	ACUTE ERYTHROID LEUKEMIA, IN REMISSION	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C94.02	DX	ACUTE ERYTHROID LEUKEMIA, IN RELAPSE	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C94.20	DX	ACUTE MEGAKARYOBLASTIC LEUKEMIA NOT HAVING ACHIEVED REMISSION	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C94.21	DX	ACUTE MEGAKARYOBLASTIC LEUKEMIA, IN REMISSION	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C94.22	DX	ACUTE MEGAKARYOBLASTIC LEUKEMIA, IN RELAPSE	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C94.30	DX	MAST CELL LEUKEMIA NOT HAVING ACHIEVED REMISSION	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C94.31	DX	MAST CELL LEUKEMIA, IN REMISSION	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C94.32	DX	MAST CELL LEUKEMIA, IN RELAPSE	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C94.40	DX	ACUTE PANMYELOSIS WITH MYELOFIBROSIS NOT HAVING ACHIEVED REMISSION	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C94.41	DX	ACUTE PANMYELOSIS WITH MYELOFIBROSIS, IN REMISSION	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C94.42	DX	ACUTE PANMYELOSIS WITH MYELOFIBROSIS, IN RELAPSE	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C94.6	DX	MYELODYSPLASTIC DISEASE, NOT ELSEWHERE CLASSIFIED	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C94.80	DX	OTHER SPECIFIED LEUKEMIAS NOT HAVING ACHIEVED REMISSION	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C94.81	DX	OTHER SPECIFIED LEUKEMIAS, IN REMISSION	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C94.82	DX	OTHER SPECIFIED LEUKEMIAS, IN RELAPSE	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C95.00	DX	ACUTE LEUKEMIA OF UNSPECIFIED CELL TYPE NOT HAVING ACHIEVED REMISSION	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C95.01	DX	ACUTE LEUKEMIA OF UNSPECIFIED CELL TYPE, IN REMISSION	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C95.02	DX	ACUTE LEUKEMIA OF UNSPECIFIED CELL TYPE, IN RELAPSE	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C95.10	DX	CHRONIC LEUKEMIA OF UNSPECIFIED CELL TYPE NOT HAVING ACHIEVED REMISSION	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C95.11	DX	CHRONIC LEUKEMIA OF UNSPECIFIED CELL TYPE, IN REMISSION	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C95.12	DX	CHRONIC LEUKEMIA OF UNSPECIFIED CELL TYPE, IN RELAPSE	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C95.90	DX	LEUKEMIA, UNSPECIFIED NOT HAVING ACHIEVED REMISSION	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C95.91	DX	LEUKEMIA, UNSPECIFIED, IN REMISSION	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C95.92	DX	LEUKEMIA, UNSPECIFIED, IN RELAPSE	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C96	DX	OTHER AND UNSPECIFIED MALIGNANT NEOPLASMS OF LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C96.0	DX	MULTIFOCAL AND MULTISYSTEMIC (DISSEMINATED) LANGERHANS-CELL HISTIOCYTOSIS	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C96.2	DX	MALIGNANT MAST CELL NEOPLASM	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C96.20	DX	MALIGNANT MAST CELL NEOPLASM, UNSPECIFIED	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C96.21	DX	AGGRESSIVE SYSTEMIC MASTOCYTOSIS	ICD-10-CM
16 Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.	C96.22	DX	MAST CELL SARCOMA	ICD-10-CM

16	Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.		C96.29	DX	OTHER MALIGNANT MAST CELL NEOPLASM	ICD-10-CM
16	Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.		C96.4	DX	SARCOMA OF DENDRITIC CELLS (ACCESSORY CELLS)	ICD-10-CM
16	Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.		C96.5	DX	MULTIFOCAL AND UNISYSTEMIC LANGERHANS-CELL HISTIOCYTOSIS	ICD-10-CM
16	Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.		C96.6	DX	UNIFOCAL LANGERHANS-CELL HISTIOCYTOSIS	ICD-10-CM
16	Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.		C96.9	DX	MALIGNANT NEOPLASM OF LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE, UNSPECIFIED	ICD-10-CM
16	Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.		C96.A	DX	HISTIOCYTIC SARCOMA	ICD-10-CM
16	Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.		C96.Z	DX	OTHER SPECIFIED MALIGNANT NEOPLASMS OF LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	ICD-10-CM
16	Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.		D45	DX	POLYCYTHEMIA VERA	ICD-10-CM
16	Presence or history of malignant neoplasm within 5 years prior to the day of screening. Basal and squamous cell cancer and any carcinoma in-situ are allowed.		R18.0	DX	MALIGNANT ASCITES	ICD-10-CM
20	Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	H35.1	DX	RETINOPATHY OF PREMATURITY	ICD-10-CM
20	Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	H35.10	DX	RETINOPATHY OF PREMATURITY, UNSPECIFIED	ICD-10-CM
20	Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	H35.101	DX	RETINOPATHY OF PREMATURITY, UNSPECIFIED, RIGHT EYE	ICD-10-CM
20	Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	H35.102	DX	RETINOPATHY OF PREMATURITY, UNSPECIFIED, LEFT EYE	ICD-10-CM
20	Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	H35.103	DX	RETINOPATHY OF PREMATURITY, UNSPECIFIED, BILATERAL	ICD-10-CM
20	Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	H35.109	DX	RETINOPATHY OF PREMATURITY, UNSPECIFIED, UNSPECIFIED EYE	ICD-10-CM
20	Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	H35.11	DX	RETINOPATHY OF PREMATURITY, STAGE 0	ICD-10-CM
20	Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	H35.111	DX	RETINOPATHY OF PREMATURITY, STAGE 0, RIGHT EYE	ICD-10-CM
20	Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	H35.112	DX	RETINOPATHY OF PREMATURITY, STAGE 0, LEFT EYE	ICD-10-CM
20	Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	H35.113	DX	RETINOPATHY OF PREMATURITY, STAGE 0, BILATERAL	ICD-10-CM
20	Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	H35.119	DX	RETINOPATHY OF PREMATURITY, STAGE 0, UNSPECIFIED EYE	ICD-10-CM
20	Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	H35.12	DX	RETINOPATHY OF PREMATURITY, STAGE 1	ICD-10-CM
20	Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	H35.121	DX	RETINOPATHY OF PREMATURITY, STAGE 1, RIGHT EYE	ICD-10-CM
20	Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	H35.122	DX	RETINOPATHY OF PREMATURITY, STAGE 1, LEFT EYE	ICD-10-CM
20	Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	H35.123	DX	RETINOPATHY OF PREMATURITY, STAGE 1, BILATERAL	ICD-10-CM
20	Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	H35.129	DX	RETINOPATHY OF PREMATURITY, STAGE 1, UNSPECIFIED EYE	ICD-10-CM
20	Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	H35.13	DX	RETINOPATHY OF PREMATURITY, STAGE 2	ICD-10-CM
20	Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	H35.131	DX	RETINOPATHY OF PREMATURITY, STAGE 2, RIGHT EYE	ICD-10-CM
20	Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	H35.132	DX	RETINOPATHY OF PREMATURITY, STAGE 2, LEFT EYE	ICD-10-CM
20	Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	H35.133	DX	RETINOPATHY OF PREMATURITY, STAGE 2, BILATERAL	ICD-10-CM
20	Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	H35.139	DX	RETINOPATHY OF PREMATURITY, STAGE 2, UNSPECIFIED EYE	ICD-10-CM

20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	060.14X3	DX	PRETERM LABOR THIRD TRIMESTER WITH PRETERM DELIVERY THIRD TRIMESTER, FETUS 3	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	060.14X4	DX	PRETERM LABOR THIRD TRIMESTER WITH PRETERM DELIVERY THIRD TRIMESTER, FETUS 4	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	060.14X5	DX	PRETERM LABOR THIRD TRIMESTER WITH PRETERM DELIVERY THIRD TRIMESTER, FETUS 5	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	060.14X9	DX	PRETERM LABOR THIRD TRIMESTER WITH PRETERM DELIVERY THIRD TRIMESTER, OTHER FETUS	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	061	DX	FAILED INDUCTION OF LABOR	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	061.0	DX	FAILED MEDICAL INDUCTION OF LABOR	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	061.1	DX	FAILED INSTRUMENTAL INDUCTION OF LABOR	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	061.8	DX	OTHER FAILED INDUCTION OF LABOR	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	061.9	DX	FAILED INDUCTION OF LABOR, UNSPECIFIED	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	063.2	DX	DELAYED DELIVERY OF SECOND TWIN, TRIPLET, ETC.	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	071.0	DX	RUPTURE OF UTERUS (SPONTANEOUS) BEFORE ONSET OF LABOR	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	071.00	DX	RUPTURE OF UTERUS BEFORE ONSET OF LABOR, UNSPECIFIED TRIMESTER	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	071.02	DX	RUPTURE OF UTERUS BEFORE ONSET OF LABOR, SECOND TRIMESTER	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	071.03	DX	RUPTURE OF UTERUS BEFORE ONSET OF LABOR, THIRD TRIMESTER	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	072	DX	POSTPARTUM HEMORRHAGE	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	072.0	DX	THIRD-STAGE HEMORRHAGE	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	072.1	DX	OTHER IMMEDIATE POSTPARTUM HEMORRHAGE	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	072.2	DX	DELAYED AND SECONDARY POSTPARTUM HEMORRHAGE	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	072.3	DX	POSTPARTUM COAGULATION DEFECTS	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	073	DX	RETAINED PLACENTA AND MEMBRANES, WITHOUT HEMORRHAGE	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	073.0	DX	RETAINED PLACENTA WITHOUT HEMORRHAGE	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	073.1	DX	RETAINED PORTIONS OF PLACENTA AND MEMBRANES, WITHOUT HEMORRHAGE	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	075	DX	OTHER COMPLICATIONS OF LABOR AND DELIVERY, NOT ELSEWHERE CLASSIFIED	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	075.0	DX	MATERNAL DISTRESS DURING LABOR AND DELIVERY	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	075.1	DX	SHOCK DURING OR FOLLOWING LABOR AND DELIVERY	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	075.2	DX	PYREXIA DURING LABOR, NOT ELSEWHERE CLASSIFIED	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	075.3	DX	OTHER INFECTION DURING LABOR	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	075.4	DX	OTHER COMPLICATIONS OF OBSTETRIC SURGERY AND PROCEDURES	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	075.5	DX	DELAYED DELIVERY AFTER ARTIFICIAL RUPTURE OF MEMBRANES	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	075.8	DX	OTHER SPECIFIED COMPLICATIONS OF LABOR AND DELIVERY	ICD-10-CM

20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	Z38.68	DX	OTHER MULTIPLE LIVEBORN INFANT, DELIVERED VAGINALLY	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	Z39.1	DX	ENCOUNTER FOR CARE AND EXAMINATION OF LACTATING MOTHER	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	Z3A.00	DX	WEEKS OF GESTATION OF PREGNANCY NOT SPECIFIED	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	Z3A.08	DX	8 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	Z3A.10	DX	10 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	Z3A.11	DX	11 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	Z3A.15	DX	15 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	Z3A.2	DX	WEEKS OF GESTATION OF PREGNANCY, WEEKS 20-29	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	Z3A.20	DX	20 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	Z3A.21	DX	21 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	Z3A.22	DX	22 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	Z3A.23	DX	23 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	Z3A.30	DX	30 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	Z3A.31	DX	31 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	Z3A.35	DX	35 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	Z3A.36	DX	36 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	Z3A.37	DX	37 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	Z3A.38	DX	38 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	Z3A.4	DX	WEEKS OF GESTATION OF PREGNANCY, WEEKS 40 OR GREATER	ICD-10-CM
20 Female who is pregnant, breast-feeding or intends to become pregnant or is of child-bearing potential and not using a highly effective contraceptive method.	Pregnancy	Z3A.42	DX	42 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
22 Any disorder, including severe psychiatric disorder, suicidal behaviour within 90 days before screening, and suspected drug abuse, which in the investigator's opinion might jeopardise subject's safety or compliance with the protocol.	Alcohol Abuse	F10.1	DX	ALCOHOL ABUSE	ICD-10-CM
22 Any disorder, including severe psychiatric disorder, suicidal behaviour within 90 days before screening, and suspected drug abuse, which in the investigator's opinion might jeopardise subject's safety or compliance with the protocol.	Alcohol Abuse	F10.10	DX	ALCOHOL ABUSE, UNCOMPLICATED (ALCOHOL USE DISORDER, MILD)	ICD-10-CM
22 Any disorder, including severe psychiatric disorder, suicidal behaviour within 90 days before screening, and suspected drug abuse, which in the investigator's opinion might jeopardise subject's safety or compliance with the protocol.	Alcohol Abuse	F10.11	DX	ALCOHOL ABUSE, IN REMISSION	ICD-10-CM
22 Any disorder, including severe psychiatric disorder, suicidal behaviour within 90 days before screening, and suspected drug abuse, which in the investigator's opinion might jeopardise subject's safety or compliance with the protocol.	Alcohol Abuse	F10.12	DX	ALCOHOL ABUSE WITH INTOXICATION	ICD-10-CM
22 Any disorder, including severe psychiatric disorder, suicidal behaviour within 90 days before screening, and suspected drug abuse, which in the investigator's opinion might jeopardise subject's safety or compliance with the protocol.	Alcohol Abuse	F10.120	DX	ALCOHOL ABUSE WITH INTOXICATION, UNCOMPLICATED	ICD-10-CM
22 Any disorder, including severe psychiatric disorder, suicidal behaviour within 90 days before screening, and suspected drug abuse, which in the investigator's opinion might jeopardise subject's safety or compliance with the protocol.	Alcohol Abuse	F10.121	DX	ALCOHOL ABUSE WITH INTOXICATION DELIRIUM	ICD-10-CM
22 Any disorder, including severe psychiatric disorder, suicidal behaviour within 90 days before screening, and suspected drug abuse, which in the investigator's opinion might jeopardise subject's safety or compliance with the protocol.	Alcohol Abuse	F10.129	DX	ALCOHOL ABUSE WITH INTOXICATION, UNSPECIFIED	ICD-10-CM
22 Any disorder, including severe psychiatric disorder, suicidal behaviour within 90 days before screening, and suspected drug abuse, which in the investigator's opinion might jeopardise subject's safety or compliance with the protocol.	Alcohol Abuse	F10.13	DX	ALCOHOL ABUSE WITH WITHDRAWAL	ICD-10-CM

22 Any disorder, including severe psychiatric disorder, suicidal behaviour within 90 days before screening, and suspected drug abuse, which in the investigator's opinion might jeopardise subject's safety or compliance with the protocol.	Severe psychiatric disorder	F25.0		DX	SCHIZOAFFECTIVE DISORDER, BIPOLAR TYPE	ICD-10-CM	
22 Any disorder, including severe psychiatric disorder, suicidal behaviour within 90 days before screening, and suspected drug abuse, which in the investigator's opinion might jeopardise subject's safety or compliance with the protocol.	Severe psychiatric disorder	F25.1		DX	SCHIZOAFFECTIVE DISORDER, DEPRESSIVE TYPE	ICD-10-CM	
22 Any disorder, including severe psychiatric disorder, suicidal behaviour within 90 days before screening, and suspected drug abuse, which in the investigator's opinion might jeopardise subject's safety or compliance with the protocol.	Severe psychiatric disorder	F25.8		DX	OTHER SCHIZOAFFECTIVE DISORDERS	ICD-10-CM	
22 Any disorder, including severe psychiatric disorder, suicidal behaviour within 90 days before screening, and suspected drug abuse, which in the investigator's opinion might jeopardise subject's safety or compliance with the protocol.	Severe psychiatric disorder	F25.9		DX	SCHIZOAFFECTIVE DISORDER, UNSPECIFIED	ICD-10-CM	
22 Any disorder, including severe psychiatric disorder, suicidal behaviour within 90 days before screening, and suspected drug abuse, which in the investigator's opinion might jeopardise subject's safety or compliance with the protocol.	Severe psychiatric disorder	F28		DX	OTHER PSYCHOTIC DISORDER NOT DUE TO A SUBSTANCE OR KNOWN PHYSIOLOGICAL CONDITION	ICD-10-CM	
22 Any disorder, including severe psychiatric disorder, suicidal behaviour within 90 days before screening, and suspected drug abuse, which in the investigator's opinion might jeopardise subject's safety or compliance with the protocol.	Severe psychiatric disorder	F29		DX	UNSPECIFIED PSYCHOSIS NOT DUE TO A SUBSTANCE OR KNOWN PHYSIOLOGICAL CONDITION	ICD-10-CM	
22 Any disorder, including severe psychiatric disorder, suicidal behaviour within 90 days before screening, and suspected drug abuse, which in the investigator's opinion might jeopardise subject's safety or compliance with the protocol.	Severe psychiatric disorder	F32.2		DX	MAJOR DEPRESSIVE DISORDER, SINGLE EPISODE, SEVERE WITHOUT PSYCHOTIC FEATURES	ICD-10-CM	
22 Any disorder, including severe psychiatric disorder, suicidal behaviour within 90 days before screening, and suspected drug abuse, which in the investigator's opinion might jeopardise subject's safety or compliance with the protocol.	Severe psychiatric disorder	F32.3		DX	MAJOR DEPRESSIVE DISORDER, SINGLE EPISODE, SEVERE WITH PSYCHOTIC FEATURES	ICD-10-CM	
22 Any disorder, including severe psychiatric disorder, suicidal behaviour within 90 days before screening, and suspected drug abuse, which in the investigator's opinion might jeopardise subject's safety or compliance with the protocol.	Severe psychiatric disorder	F33.2		DX	MAJOR DEPRESSIVE DISORDER, RECURRENT, SEVERE WITHOUT PSYCHOTIC FEATURES	ICD-10-CM	
22 Any disorder, including severe psychiatric disorder, suicidal behaviour within 90 days before screening, and suspected drug abuse, which in the investigator's opinion might jeopardise subject's safety or compliance with the protocol.	Severe psychiatric disorder	F33.3		DX	MAJOR DEPRESSIVE DISORDER, RECURRENT, SEVERE WITH PSYCHOTIC SYMPTOMS	ICD-10-CM	
22 Any disorder, including severe psychiatric disorder, suicidal behaviour within 90 days before screening, and suspected drug abuse, which in the investigator's opinion might jeopardise subject's safety or compliance with the protocol.	Suicide attempt	T14.91		DX	SUICIDE ATTEMPT	ICD-10-CM	
22 Any disorder, including severe psychiatric disorder, suicidal behaviour within 90 days before screening, and suspected drug abuse, which in the investigator's opinion might jeopardise subject's safety or compliance with the protocol.	Suicide attempt	T14.91XA		DX	SUICIDE ATTEMPT, INITIAL ENCOUNTER	ICD-10-CM	https://pubmed.ncbi.nlm.nih.gov/30907424/
22 Any disorder, including severe psychiatric disorder, suicidal behaviour within 90 days before screening, and suspected drug abuse, which in the investigator's opinion might jeopardise subject's safety or compliance with the protocol.	Suicide attempt	T14.91XD		DX	SUICIDE ATTEMPT, SUBSEQUENT ENCOUNTER	ICD-10-CM	
22 Any disorder, including severe psychiatric disorder, suicidal behaviour within 90 days before screening, and suspected drug abuse, which in the investigator's opinion might jeopardise subject's safety or compliance with the protocol.	Suicide attempt	T14.91XS		DX	SUICIDE ATTEMPT, SEQUELA	ICD-10-CM	

Category	Variable_Name	Code	Code_category	Description	Code_type	Notes	
1	Hospitalisation for heart failure	I09.81	DX	RHEUMATIC HEART FAILURE	ICD-10-CM		
1	Hospitalization for heart failure	I11.0	DX	HYPERTENSIVE HEART DISEASE WITH HEART FAILURE	ICD-10-CM		
				HYPERTENSIVE HEART AND CHRONIC KIDNEY DISEASE WITH HEART FAILURE AND STAGE 1 THROUGH STAGE 4 CHRONIC KIDNEY DISEASE, OR UNSPECIFIED CHRONIC KIDNEY DISEASE	ICD-10-CM		
1	Hospitalization for heart failure	I13.0	DX	HYPERTENSIVE HEART AND CHRONIC KIDNEY DISEASE WITH HEART FAILURE AND WITH STAGE 5 CHRONIC KIDNEY DISEASE, OR END STAGE	ICD-10-CM		
1	Hospitalization for heart failure	I13.2	DX	HEART FAILURE	ICD-10-CM		
1	Hospitalization for heart failure	I50	DX	LEFT VENTRICULAR FAILURE, UNSPECIFIED	ICD-10-CM		
1	Hospitalization for heart failure	I50.1	DX	SYSTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM		
1	Hospitalization for heart failure	I50.2	DX	UNSPECIFIED SYSTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM		
1	Hospitalization for heart failure	I50.20	DX	ACUTE SYSTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM		
1	Hospitalization for heart failure	I50.21	DX	CHRONIC SYSTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM		
1	Hospitalization for heart failure	I50.22	DX	ACUTE ON CHRONIC SYSTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM		
1	Hospitalization for heart failure	I50.23	DX	DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM		
1	Hospitalization for heart failure	I50.3	DX	UNSPECIFIED DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM		
1	Hospitalization for heart failure	I50.30	DX	ACUTE DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM		
1	Hospitalization for heart failure	I50.31	DX	CHRONIC DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM		
1	Hospitalization for heart failure	I50.32	DX	ACUTE ON CHRONIC DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM		
1	Hospitalization for heart failure	I50.33	DX	COMBINED SYSTOLIC (CONGESTIVE) AND DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM		
1	Hospitalization for heart failure	I50.4	DX	UNSPECIFIED COMBINED SYSTOLIC (CONGESTIVE) AND DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM		
1	Hospitalization for heart failure	I50.40	DX	ACUTE COMBINED SYSTOLIC (CONGESTIVE) AND DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM		
1	Hospitalization for heart failure	I50.41	DX	CHRONIC COMBINED SYSTOLIC (CONGESTIVE) AND DIASTOLIC	ICD-10-CM		
1	Hospitalization for heart failure	I50.42	DX	ACUTE ON CHRONIC COMBINED SYSTOLIC (CONGESTIVE) AND DIASTOLIC	ICD-10-CM		
1	Hospitalization for heart failure	I50.43	DX	OTHER HEART FAILURE	ICD-10-CM		
1	Hospitalisation for heart failure	I50.8	DX	RIGHT HEART FAILURE, UNSPECIFIED	ICD-10-CM		
1	Hospitalisation for heart failure	I50.810	DX	ACUTE RIGHT HEART FAILURE	ICD-10-CM		
1	Hospitalisation for heart failure	I50.811	DX	CHRONIC RIGHT HEART FAILURE	ICD-10-CM		
1	Hospitalisation for heart failure	I50.812	DX	ACUTE ON CHRONIC RIGHT HEART FAILURE	ICD-10-CM		
1	Hospitalisation for heart failure	I50.813	DX	RIGHT HEART FAILURE DUE TO LEFT HEART FAILURE	ICD-10-CM		
1	Hospitalisation for heart failure	I50.814	DX	BIVENTRICULAR HEART FAILURE	ICD-10-CM		
1	Hospitalization for heart failure	I50.82	DX	HIGH OUTPUT HEART FAILURE	ICD-10-CM		
1	Hospitalization for heart failure	I50.83	DX	END STAGE HEART FAILURE	ICD-10-CM		
1	Hospitalization for heart failure	I50.84	DX	OTHER HEART FAILURE	ICD-10-CM		
1	Hospitalization for heart failure	I50.89	DX	HEART FAILURE, UNSPECIFIED	ICD-10-CM		
1	Hospitalization for heart failure	I50.9	DX		ICD-10-CM		
2	All-cause mortality		20		IP: Discharge	All database	
2	All-cause mortality		41		IP: Discharge	All database	
2	All-cause mortality		42		IP: Discharge	All database	
2	All-cause mortality		21		IP: Discharge	Marketscan/Optum database	
2	All-cause mortality		22		IP: Discharge	Marketscan/Optum database	
2	All-cause mortality		23		IP: Discharge	Marketscan/Optum database	
2	All-cause mortality		24		IP: Discharge	Marketscan/Optum database	
2	All-cause mortality		25		IP: Discharge	Marketscan/Optum database	
2	All-cause mortality		26		IP: Discharge	Marketscan/Optum database	
2	All-cause mortality		27		IP: Discharge	Marketscan/Optum database	
2	All-cause mortality		28		IP: Discharge	Marketscan/Optum database	
2	All-cause mortality		29		IP: Discharge	Marketscan/Optum database	
2	All-cause mortality		40		IP: Discharge	Marketscan/Optum database	
2	All-cause mortality	BENE_DEATH_D			file:	Medicare database	
2	All-cause mortality	BENE_DEATH_D			file:	Medicare database	
2	All-cause mortality	YMDOD in DOD			file: member	Optum database	
2	All-cause mortality	DEATHYRMO			file: mortality	Marketscan database	
	Medicare fee-for-service: information on mortality was available through the vital status file						
	Optum Clinformatics: information on mortality was available through four sources: Centers for						
	IBM MarketScan: information on mortality was limited to in-hospital deaths.						
3	Urgent care visit requiring i.v. diuretics	J1940	PX	INJECTION, FUROSEMIDE, UP TO 20 MG	CPT/HCPCS		
3	Urgent care visit requiring i.v. diuretics	J3265	PX	INJECTION, TORSEMIDE, 10 MG/ML	CPT/HCPCS		
3	Urgent care visit requiring i.v. diuretics	S0171	PX	INJECTION, BUMETANIDE, 0.5 MG	CPT/HCPCS		
3	Urgent care visit requiring i.v. diuretics	TORSEMIDE	RX		Generic	In combination with intravenous	
3	Urgent care visit requiring i.v. diuretics	BUMETANIDE	RX		Generic	In combination with intravenous	
3	Urgent care visit requiring i.v. diuretics	FUROSEMIDE	RX		Generic	In combination with intravenous	
3	Urgent care visit requiring i.v. diuretics	FUROSEMIDE IN	RX		Generic	In combination with intravenous	
3	Urgent care visit requiring i.v. diuretics	FUROSEMIDE/DE	RX		Generic	In combination with intravenous	
3	Urgent care visit requiring i.v. diuretics	J3490	PX	I.V. unclassified drug	CPT/HCPCS	In combination with generic drug	
3	Urgent care visit requiring i.v. diuretics	00004026706	RX		NDC Drug		
3	Urgent care visit requiring i.v. diuretics	00004026806	RX		NDC Drug		
3	Urgent care visit requiring i.v. diuretics	00004194406	RX		NDC Drug		
3	Urgent care visit requiring i.v. diuretics	00004196801	RX		NDC Drug		
3	Urgent care visit requiring i.v. diuretics	00004196901	RX		NDC Drug		
3	Urgent care visit requiring i.v. diuretics	00004197001	RX		NDC Drug		

7	Safety outcome: Urinary tract infection	J1956	PX	INJECTION, LEVOFLOXACIN, 250 MG.	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	J0696	PX	INJECTION, CEFTRIAXONE SODIUM, PER 250 MG	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	J0692	PX	INJECTION, CEFEPIME HYDROCHLORIDE, 500 MG AS MAINTAINED BY CMS	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	J0701	PX	INJECTION, CEFEPIME HYDROCHLORIDE (BAXTER), NOT	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	J0703	PX	INJECTION, CEFEPIME HYDROCHLORIDE (B BRAUN), NOT	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	J2543	PX	INJECTION, PIPERACILLIN SODIUM/TAZOBACTAM SODIUM, 1 GRAM/0.125	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	S0081	PX	INJECTION, PIPERACILLIN SODIUM, 500 MG AS MAINTAINED BY CMS	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	80170	PX	GENTAMICIN	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	J1580	PX	INJECTION, GARAMYCIN, GENTAMICIN, UP TO 80 MG AS MAINTAINED BY	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	80200	PX	TOBRAMYCIN	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	J3260	PX	INJECTION, TOBRAMYCIN SULFATE, UP TO 80 MG	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	J0713	PX	INJECTION, CEFTAZIDIME, PER 500 MG AS MAINTAINED BY CMS FALLS	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	J0714	PX	INJECTION, CEFTAZIDIME AND AVIBACTAM, 0.5 G/0.125 G AS MAINTAINED	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	J2184	PX	INJECTION, MEROPENEM (B. BRAUN), NOT THERAPEUTICALLY	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	J2185	PX	INJECTION, MEROPENEM, 100 MG.	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	J2186	PX	INJECTION, MEROPENEM AND VABORBACTAM, 10MG/10MG (20MG) AS	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	J1335	PX	INJECTION, ERTAPENEM SODIUM, 500 MG.	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	J1267	PX	INJECTION, DORIPENEM, 10 MG AS MAINTAINED BY CMS FALLS UNDER	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	J0742	PX	INJECTION, IMIPENEM 4 MG, CILASTATIN 4 MG AND RELEBACTAM 2 MG AS	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	J0743	PX	INJECTION, CILASTATIN SODIUM: IMIPENEM, PER 250 MG AS MAINTAINED	CPT / HCPCS	Urinary tract infection antibiotics
8	Safety outcome: Serious bacterial infection	A04.7	DX	ENTEROCOLITIS DUE TO CLOSTRIDIUM DIFFICILE	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	A04.71	DX	ENTEROCOLITIS DUE TO CLOSTRIDIUM DIFFICILE, RECURRENT	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	A04.72	DX	ENTEROCOLITIS DUE TO CLOSTRIDIUM DIFFICILE, NOT SPECIFIED AS	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	A01.01	DX	TYPHOID MENINGITIS	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	A02.21	DX	SALMONELLA MENINGITIS	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	A04.7	DX	ENTEROCOLITIS DUE TO CLOSTRIDIUM DIFFICILE	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	A17.0	DX	TUBERCULOUS MENINGITIS	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	A17.82	DX	TUBERCULOUS MENINGOENCEPHALITIS	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	A27.81	DX	ASEPTIC MENINGITIS IN LEPTOSPIROSIS	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	A32.11	DX	LISTERIAL MENINGITIS	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	A39.0	DX	MENINGOCOCCAL MENINGITIS	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	A39.81	DX	MENINGOCOCCAL ENCEPHALITIS	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	A51.41	DX	SECONDARY SYPHILITIC MENINGITIS	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	A52.13	DX	LATE SYPHILITIC MENINGITIS	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	A54.81	DX	GONOCOCCAL MENINGITIS	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	B00.3	DX	HERPESVIRAL MENINGITIS	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	B02.1	DX	ZOSTER MENINGITIS	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	G00.0	DX	HEMOPHILUS MENINGITIS	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	G00.1	DX	PNEUMOCOCCAL MENINGITIS	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	G00.2	DX	STREPTOCOCCAL MENINGITIS	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	G00.3	DX	STAPHYLOCOCCAL MENINGITIS	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	G00.9	DX	BACTERIAL MENINGITIS, UNSPECIFIED	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	G01	DX	MENINGITIS IN BACTERIAL DISEASES CLASSIFIED ELSEWHERE	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	G02	DX	MENINGITIS IN OTHER INFECTIOUS AND PARASITIC DISEASES CLASSIFIED	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	G04.2	DX	BACTERIAL MENINGOENCEPHALITIS AND MENINGOMYELITIS, NOT	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	G00.8	DX	OTHER BACTERIAL MENINGITIS	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	A32.82	DX	LISTERIAL ENDOCARDITIS	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	A39.51	DX	MENINGOCOCCAL ENDOCARDITIS	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	A52.03	DX	SYPHILITIC ENDOCARDITIS	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	I33.0	DX	ACUTE AND SUBACUTE INFECTIVE ENDOCARDITIS	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	I33.9	DX	ACUTE AND SUBACUTE ENDOCARDITIS, UNSPECIFIED	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	I39	DX	ENDOCARDITIS AND HEART VALVE DISORDERS IN DISEASES CLASSIFIED	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	H70.001	DX	ACUTE MASTOIDITIS WITHOUT COMPLICATIONS, RIGHT EAR	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	H70.002	DX	ACUTE MASTOIDITIS WITHOUT COMPLICATIONS, LEFT EAR	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	H70.003	DX	ACUTE MASTOIDITIS WITHOUT COMPLICATIONS, BILATERAL	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	H70.009	DX	ACUTE MASTOIDITIS WITHOUT COMPLICATIONS, UNSPECIFIED EAR	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	H70.011	DX	SUBPERIOSTEAL ABSCESS OF MASTOID, RIGHT EAR	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	H70.012	DX	SUBPERIOSTEAL ABSCESS OF MASTOID, LEFT EAR	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	H70.013	DX	SUBPERIOSTEAL ABSCESS OF MASTOID, BILATERAL	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	H70.019	DX	SUBPERIOSTEAL ABSCESS OF MASTOID, UNSPECIFIED EAR	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	H70.091	DX	ACUTE MASTOIDITIS WITH OTHER COMPLICATIONS, RIGHT EAR	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	H70.092	DX	ACUTE MASTOIDITIS WITH OTHER COMPLICATIONS, LEFT EAR	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	H70.093	DX	ACUTE MASTOIDITIS WITH OTHER COMPLICATIONS, BILATERAL	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	H70.099	DX	ACUTE MASTOIDITIS WITH OTHER COMPLICATIONS, UNSPECIFIED EAR	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	H70.90	DX	UNSPECIFIED MASTOIDITIS, UNSPECIFIED EAR	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	H70.91	DX	UNSPECIFIED MASTOIDITIS, RIGHT EAR	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	H70.92	DX	UNSPECIFIED MASTOIDITIS, LEFT EAR	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	H70.93	DX	UNSPECIFIED MASTOIDITIS, BILATERAL	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	A01.05	DX	TYPHOID OSTEOMYELITIS	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	A02.24	DX	SALMONELLA OSTEOMYELITIS	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	A54.43	DX	GONOCOCCAL OSTEOMYELITIS	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	H05.021	DX	OSTEOMYELITIS OF RIGHT ORBIT	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	H05.022	DX	OSTEOMYELITIS OF LEFT ORBIT	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	H05.023	DX	OSTEOMYELITIS OF BILATERAL ORBITS	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	H05.029	DX	OSTEOMYELITIS OF UNSPECIFIED ORBIT	ICD-10-CM	Inpatient setting, primary position
8	Safety outcome: Serious bacterial infection	M46.20	DX	OSTEOMYELITIS OF VERTEBRA, SITE UNSPECIFIED	ICD-10-CM	Inpatient setting, primary position

8 Safety outcome: Serious bacterial infection	J14	DX	PNEUMONIA DUE TO HEMOPHILUS INFLUENZAE	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J15.0	DX	PNEUMONIA DUE TO KLEBSIELLA PNEUMONIAE	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J15.1	DX	PNEUMONIA DUE TO PSEUDOMONAS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J15.20	DX	PNEUMONIA DUE TO STAPHYLOCOCCUS, UNSPECIFIED	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J15.211	DX	PNEUMONIA DUE TO METHICILLIN SUSCEPTIBLE STAPHYLOCOCCUS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J15.212	DX	PNEUMONIA DUE TO METHICILLIN RESISTANT STAPHYLOCOCCUS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J15.29	DX	PNEUMONIA DUE TO OTHER STAPHYLOCOCCUS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J15.3	DX	PNEUMONIA DUE TO STREPTOCOCCUS, GROUP B	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J15.4	DX	PNEUMONIA DUE TO OTHER STREPTOCOCCI	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J15.5	DX	PNEUMONIA DUE TO ESCHERICHIA COLI	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J15.6	DX	PNEUMONIA DUE TO OTHER GRAM-NEGATIVE BACTERIA	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J15.7	DX	PNEUMONIA DUE TO MYCOPLASMA PNEUMONIAE	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J15.8	DX	PNEUMONIA DUE TO OTHER SPECIFIED BACTERIA	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J15.9	DX	UNSPECIFIED BACTERIAL PNEUMONIA	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J16.0	DX	PNEUMONIA DUE TO GRAM-POSITIVE BACTERIA	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J16.8	DX	PNEUMONIA DUE TO OTHER INFECTIOUS ORGANISMS, NOT ELSEWHERE	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J17	DX	PNEUMONIA IN DISEASES CLASSIFIED ELSEWHERE	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J18.0	DX	BRONCHOPNEUMONIA, UNSPECIFIED ORGANISM	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J18.1	DX	LOBAR PNEUMONIA, UNSPECIFIED ORGANISM	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J18.8	DX	OTHER PNEUMONIA, UNSPECIFIED ORGANISM	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J18.9	DX	PNEUMONIA, UNSPECIFIED ORGANISM	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J86.0	DX	PYOTHORAX WITH FISTULA	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J86.9	DX	PYOTHORAX WITHOUT FISTULA	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A32.7	DX	LISTERIAL SEPSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A39.2	DX	ACUTE MENINGOCOCCEMIA	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A39.4	DX	MENINGOCOCCEMIA, UNSPECIFIED	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A40.0	DX	SEPSIS DUE TO STREPTOCOCCUS, GROUP A	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A40.1	DX	SEPSIS DUE TO STREPTOCOCCUS, GROUP B	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A40.3	DX	SEPSIS DUE TO STREPTOCOCCUS PNEUMONIAE	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A40.8	DX	OTHER STREPTOCOCCAL SEPSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A40.9	DX	STREPTOCOCCAL SEPSIS, UNSPECIFIED	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A41.01	DX	SEPSIS DUE TO METHICILLIN SUSCEPTIBLE STAPHYLOCOCCUS AUREUS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A41.02	DX	SEPSIS DUE TO METHICILLIN RESISTANT STAPHYLOCOCCUS AUREUS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A41.1	DX	SEPSIS DUE TO OTHER SPECIFIED STAPHYLOCOCCUS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A41.2	DX	SEPSIS DUE TO UNSPECIFIED STAPHYLOCOCCUS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A41.3	DX	SEPSIS DUE TO HEMOPHILUS INFLUENZAE	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A41.4	DX	SEPSIS DUE TO ANAEROBES	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A41.50	DX	GRAM-NEGATIVE SEPSIS, UNSPECIFIED	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A41.51	DX	SEPSIS DUE TO ESCHERICHIA COLI [E. COLI]	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A41.52	DX	SEPSIS DUE TO PSEUDOMONAS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A41.53	DX	SEPSIS DUE TO SERRATIA	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A41.59	DX	OTHER GRAM-NEGATIVE SEPSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A41.81	DX	SEPSIS DUE TO ENTEROCOCCUS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A41.89	DX	OTHER SPECIFIED SEPSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A41.9	DX	SEPSIS, UNSPECIFIED ORGANISM	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A48.3	DX	TOXIC SHOCK SYNDROME	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A54.86	DX	GONOCOCCAL SEPSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	R78.81	DX	BACTEREMIA	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A02.1	DX	SALMONELLA SEPSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A02.25	DX	SALMONELLA PYELONEPHRITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	N10	DX	SALMONELLA PYELONEPHRITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	N13.6	DX	PYONEPHROSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	N39.0	DX	URINARY TRACT INFECTION, SITE NOT SPECIFIED	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	M60.009	DX	INFECTIVE MYOSITIS, UNSPECIFIED SITE	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J36	DX	PERITONSILLAR ABSCESS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J39.0	DX	RETROPHARYNGEAL AND PARAPHARYNGEAL ABSCESS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J39.1	DX	OTHER ABSCESS OF PHARYNX	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	M00.00	DX	STAPHYLOCOCCAL ARTHRITIS, UNSPECIFIED JOINT	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	M00.011	DX	STAPHYLOCOCCAL ARTHRITIS, RIGHT SHOULDER	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	M00.012	DX	STAPHYLOCOCCAL ARTHRITIS, LEFT SHOULDER	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	M00.019	DX	STAPHYLOCOCCAL ARTHRITIS, UNSPECIFIED SHOULDER	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	M00.021	DX	STAPHYLOCOCCAL ARTHRITIS, RIGHT ELBOW	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	M00.022	DX	STAPHYLOCOCCAL ARTHRITIS, LEFT ELBOW	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	M00.029	DX	STAPHYLOCOCCAL ARTHRITIS, UNSPECIFIED ELBOW	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	M00.031	DX	STAPHYLOCOCCAL ARTHRITIS, RIGHT WRIST	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	M00.032	DX	STAPHYLOCOCCAL ARTHRITIS, LEFT WRIST	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	M00.039	DX	STAPHYLOCOCCAL ARTHRITIS, UNSPECIFIED WRIST	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	M00.041	DX	STAPHYLOCOCCAL ARTHRITIS, RIGHT HAND	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	M00.042	DX	STAPHYLOCOCCAL ARTHRITIS, LEFT HAND	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	M00.049	DX	STAPHYLOCOCCAL ARTHRITIS, UNSPECIFIED HAND	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	M00.051	DX	STAPHYLOCOCCAL ARTHRITIS, RIGHT HIP	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	M00.052	DX	STAPHYLOCOCCAL ARTHRITIS, LEFT HIP	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	M00.059	DX	STAPHYLOCOCCAL ARTHRITIS, UNSPECIFIED HIP	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	M00.061	DX	STAPHYLOCOCCAL ARTHRITIS, RIGHT KNEE	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	M00.062	DX	STAPHYLOCOCCAL ARTHRITIS, LEFT KNEE	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	M00.069	DX	STAPHYLOCOCCAL ARTHRITIS, UNSPECIFIED KNEE	ICD-10-CM	Inpatient setting, primary position

8 Safety outcome: Serious bacterial infection	J10.08	DX	INFLUENZA DUE TO OTHER IDENTIFIED INFLUENZA VIRUS WITH OTHER	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J10.1	DX	INFLUENZA DUE TO OTHER IDENTIFIED INFLUENZA VIRUS WITH OTHER	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J10.2	DX	INFLUENZA DUE TO OTHER IDENTIFIED INFLUENZA VIRUS WITH	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J10.81	DX	INFLUENZA DUE TO OTHER IDENTIFIED INFLUENZA VIRUS WITH	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J10.82	DX	INFLUENZA DUE TO OTHER IDENTIFIED INFLUENZA VIRUS WITH	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J10.83	DX	INFLUENZA DUE TO OTHER IDENTIFIED INFLUENZA VIRUS WITH OTITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J10.89	DX	INFLUENZA DUE TO OTHER IDENTIFIED INFLUENZA VIRUS WITH OTHER	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J11.00	DX	INFLUENZA DUE TO UNIDENTIFIED INFLUENZA VIRUS WITH UNSPECIFIED	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J11.08	DX	INFLUENZA DUE TO UNIDENTIFIED INFLUENZA VIRUS WITH SPECIFIED	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J11.1	DX	INFLUENZA DUE TO UNIDENTIFIED INFLUENZA VIRUS WITH OTHER	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J11.2	DX	INFLUENZA DUE TO UNIDENTIFIED INFLUENZA VIRUS WITH	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J11.81	DX	INFLUENZA DUE TO UNIDENTIFIED INFLUENZA VIRUS WITH	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J11.82	DX	INFLUENZA DUE TO UNIDENTIFIED INFLUENZA VIRUS WITH MYOCARDITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J11.83	DX	INFLUENZA DUE TO UNIDENTIFIED INFLUENZA VIRUS WITH OTITIS MEDIA	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J11.89	DX	INFLUENZA DUE TO UNIDENTIFIED INFLUENZA VIRUS WITH OTHER	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J12.2	DX	PNEUMONIA DUE TO KLEBSIELLA PNEUMONIAE	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J12.0	DX	PNEUMONIA DUE TO PSEUDOMONAS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J12.1	DX	PNEUMONIA DUE TO STAPHYLOCOCCUS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J12.3	DX	PNEUMONIA DUE TO STREPTOCOCCUS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J12.81	DX	PNEUMONIA DUE TO OTHER SPECIFIED BACTERIA	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J12.89	DX	OTHER VIRAL PNEUMONIA	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	J12.9	DX	VIRAL PNEUMONIA, UNSPECIFIED	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A32.12	DX	LISTERIAL MENINGITIS AND MENINGOENCEPHALITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A83.0	DX	JAPANESE ENCEPHALITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A83.1	DX	WESTERN EQUINE ENCEPHALITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A83.2	DX	EASTERN EQUINE ENCEPHALITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A83.3	DX	ST. LOUIS ENCEPHALITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A83.4	DX	AUSTRALIAN ENCEPHALITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A83.5	DX	CALIFORNIA ENCEPHALITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A83.6	DX	ROCIO VIRUS DISEASE	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A83.8	DX	OTHER MOSQUITO-BORNE VIRAL ENCEPHALITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A83.9	DX	MOSQUITO-BORNE VIRAL ENCEPHALITIS, UNSPECIFIED	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A84.0	DX	FAR EASTERN TICK-BORNE ENCEPHALITIS [RUSSIAN SPRING-SUMMER	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A84.1	DX	CENTRAL EUROPEAN TICK-BORNE ENCEPHALITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A84.8	DX	OTHER TICK-BORNE VIRAL ENCEPHALITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A84.9	DX	TICK-BORNE VIRAL ENCEPHALITIS, UNSPECIFIED	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A85.2	DX	ARTHROPOD-BORNE VIRAL ENCEPHALITIS, UNSPECIFIED	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A92.31	DX	WEST NILE VIRUS WITH ENCEPHALITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B00.4	DX	HERPESVIRAL ENCEPHALITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B01.1	DX	VARICELLA ENCEPHALITIS, MYELITIS AND ENCEPHALOMYELITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B01.11	DX	VARICELLA ENCEPHALITIS AND ENCEPHALOMYELITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B02.0	DX	ZOSTER ENCEPHALITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B06.01	DX	RUBELLA ENCEPHALITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B10.01	DX	HUMAN HERPESVIRUS 6 ENCEPHALITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B10.09	DX	OTHER HUMAN HERPESVIRUS ENCEPHALITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B26.2	DX	MUMPS ENCEPHALITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B27.02	DX	GAMMAHERPESVIRAL MONONUCLEOSIS WITH MENINGITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B27.12	DX	CYTOMEGALOVIRAL MONONUCLEOSIS WITH MENINGITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	G04.90	DX	ENCEPHALITIS AND ENCEPHALOMYELITIS, UNSPECIFIED	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	G05.3	DX	ENCEPHALITIS, MYELITIS AND ENCEPHALOMYELITIS IN PARASITIC	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A60.00	DX	HERPESVIRAL INFECTION OF UROGENITAL SYSTEM, UNSPECIFIED	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A60.01	DX	HERPESVIRAL INFECTION OF PENIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A60.02	DX	HERPESVIRAL INFECTION OF OTHER MALE GENITAL ORGANS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A60.03	DX	HERPESVIRAL INFECTION OF VULVA	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A60.04	DX	HERPESVIRAL INFECTION OF VAGINA AND VULVA	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A60.09	DX	HERPESVIRAL INFECTION OF OTHER UROGENITAL TRACT	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A60.1	DX	HERPESVIRAL INFECTION OF PERIANAL SKIN AND RECTUM	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A60.9	DX	ANOGENITAL HERPESVIRAL INFECTION, UNSPECIFIED	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B00.0	DX	ECZEMA HERPETICUM	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B00.1	DX	HERPESVIRAL VESICULAR DERMATITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B00.2	DX	HERPESVIRAL GINGIVOSTOMATITIS AND PHARYNGOTONSILLITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B00.3	DX	HERPESVIRAL MENINGITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B00.4	DX	HERPESVIRAL ENCEPHALITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B00.50	DX	HERPESVIRAL OCULAR DISEASE, UNSPECIFIED	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B00.51	DX	HERPESVIRAL IRIDOCYCLITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B00.52	DX	HERPESVIRAL KERATITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B00.53	DX	HERPESVIRAL CONJUNCTIVITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B00.59	DX	OTHER HERPESVIRAL DISEASE OF EYE	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B00.7	DX	DISSEMINATED HERPESVIRAL DISEASE	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B00.81	DX	HERPESVIRAL HEPATITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B00.82	DX	HERPES SIMPLEX MYELITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B00.89	DX	OTHER FORMS OF HERPESVIRAL INFECTIONS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B00.9	DX	HERPESVIRAL INFECTION, UNSPECIFIED	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B02.0	DX	ZOSTER ENCEPHALITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B02.1	DX	ZOSTER MENINGITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B02.30	DX	POSTHERPETIC GENICULATE GANGLIONITIS	ICD-10-CM	Inpatient setting, primary position

8 Safety outcome: Serious bacterial infection	B02.31	DX	POSTHERPETIC TRIGEMINAL NEURALGIA	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B02.32	DX	POSTHERPETIC POLYNEUROPATHY	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B02.33	DX	POSTHERPETIC MYELITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B02.34	DX	POSTHERPETIC MENINGITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B02.39	DX	OTHER POSTHERPETIC NERVOUS SYSTEM INVOLVEMENT	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B02.7	DX	DISSEMINATED ZOSTER	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B02.8	DX	ZOSTER WITH OTHER COMPLICATIONS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B02.9	DX	ZOSTER WITHOUT COMPLICATIONS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A15.0	DX	TUBERCULOSIS OF LUNG	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A15.4	DX	TUBERCULOSIS OF INTRATHORACIC LYMPH NODES	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A15.5	DX	TUBERCULOSIS OF LARYNX, TRACHEA AND BRONCHUS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A15.6	DX	TUBERCULOUS PLEURISY	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A15.7	DX	PRIMARY RESPIRATORY TUBERCULOSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A15.8	DX	OTHER RESPIRATORY TUBERCULOSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A15.9	DX	RESPIRATORY TUBERCULOSIS UNSPECIFIED	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A17.0	DX	TUBERCULOUS MENINGITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A17.1	DX	MENINGEAL TUBERCULOMA	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A17.81	DX	TUBERCULOMA OF BRAIN AND SPINAL CORD	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A17.82	DX	TUBERCULOUS MENINGOENCEPHALITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A17.83	DX	TUBERCULOUS NEURITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A17.89	DX	OTHER TUBERCULOSIS OF NERVOUS SYSTEM	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A17.9	DX	TUBERCULOSIS OF NERVOUS SYSTEM, UNSPECIFIED	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A18.01	DX	TUBERCULOSIS OF SPINE	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A18.03	DX	TUBERCULOSIS OF OTHER BONES	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A18.2	DX	TUBERCULOSIS OF PERIPHERAL LYMPH NODES	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A18.31	DX	TUBERCULOUS PERITONITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A18.32	DX	TUBERCULOUS ENTERITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A18.39	DX	RETROPERITONEAL TUBERCULOSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A18.4	DX	TUBERCULOSIS OF SKIN AND SUBCUTANEOUS TISSUE	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A18.50	DX	TUBERCULOSIS OF EYE, UNSPECIFIED	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A18.51	DX	TUBERCULOUS EPISCLERITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A18.52	DX	TUBERCULOUS KERATITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A18.53	DX	TUBERCULOUS CHORIORETINITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A18.54	DX	TUBERCULOUS IRIDOCYCLITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A18.59	DX	OTHER TUBERCULOSIS OF EYE	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A18.6	DX	TUBERCULOSIS OF INNER/MIDDLE EAR	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A18.7	DX	TUBERCULOSIS OF ADRENAL GLANDS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A18.81	DX	TUBERCULOSIS OF THYROID GLAND	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A18.82	DX	TUBERCULOSIS OF OTHER ENDOCRINE GLANDS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A18.83	DX	TUBERCULOSIS OF DIGESTIVE TRACT ORGANS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A18.84	DX	TUBERCULOSIS OF HEART	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A18.85	DX	TUBERCULOSIS OF SPLEEN	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A18.89	DX	TUBERCULOSIS OF OTHER SITES	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A19.0	DX	ACUTE MILIARY TUBERCULOSIS OF A SINGLE SPECIFIED SITE	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A19.1	DX	ACUTE MILIARY TUBERCULOSIS OF MULTIPLE SITES	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A19.2	DX	ACUTE MILIARY TUBERCULOSIS, UNSPECIFIED	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A19.8	DX	OTHER MILIARY TUBERCULOSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A19.9	DX	MILIARY TUBERCULOSIS, UNSPECIFIED	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A31.0	DX	PULMONARY MYCOBACTERIAL INFECTION	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A31.1	DX	CUTANEOUS MYCOBACTERIAL INFECTION	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A31.2	DX	DISSEMINATED MYCOBACTERIAL INFECTION	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A31.8	DX	OTHER MYCOBACTERIAL INFECTIONS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A31.9	DX	MYCOBACTERIAL INFECTION, UNSPECIFIED	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A32.0	DX	CUTANEOUS LISTERIOSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A32.11	DX	LISTERIAL MENINGITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A32.12	DX	LISTERIAL MENINGOENCEPHALITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A32.7	DX	LISTERIAL SEPSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A32.81	DX	OCULAR LISTERIOSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A32.82	DX	LISTERIAL ENDOCARDITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A32.89	DX	OTHER FORMS OF LISTERIOSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A32.9	DX	LISTERIOSIS, UNSPECIFIED	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A81.2	DX	PROGRESSIVE MULTIFOCAL LEUKOENCEPHALOPATHY	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B39.0	DX	ACUTE PULMONARY COCCIDIOIDOMYCOSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B39.2	DX	ACUTE DISSEMINATED COCCIDIOIDOMYCOSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B39.3	DX	CHRONIC PULMONARY COCCIDIOIDOMYCOSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B39.4	DX	CHRONIC DISSEMINATED COCCIDIOIDOMYCOSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B39.5	DX	COCCIDIOIDOMYCOSIS MENINGITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B39.9	DX	COCCIDIOIDOMYCOSIS, UNSPECIFIED	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A42.0	DX	PULMONARY ACTINOMYCOSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A42.1	DX	ABDOMINAL ACTINOMYCOSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A42.2	DX	CERVICOFACIAL ACTINOMYCOSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A42.7	DX	ACTINOMYCOTIC SEPSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A42.81	DX	ACTINOMYCOTIC MENINGITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A42.82	DX	ACTINOMYCOTIC ENCEPHALITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A42.89	DX	OTHER FORMS OF ACTINOMYCOSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	A42.9	DX	ACTINOMYCOSIS, UNSPECIFIED	ICD-10-CM	Inpatient setting, primary position

Category	Subcategory	ICD	Validation source	Type of the source	PPV	Codes in the st	Codes in the en	Modification	Description of Modifications	Notes	Outcome
1	Hospitalisation for heart failure	ICD-10-CM	Validity of International Classification of Diseases (ICD)-10 Diagnostic Codes for Identification of Acute Heart Failure Hospitalisation and Heart Failure with Reduced Versus Preserved Ejection Fraction in a National Medicare Sample	DOPE	98%	I50.x	I09.81, I10.0, I13	Based on PROMISE team	Added hypertensive heart disease with heart failure codes.		
2	All-cause mortality	NIA	Evaluating Association Between Treatments and All-Cause or Cardiovascular Mortality Using Administrative Claims	N/A	N/A						
3	Urgent care visit requiring i.v. diuretics	NDC, CPT	Clinical Outcomes of Tirzepatide or GLP-1 Receptor Agonists in Individuals With Type 2 Diabetes	N/A	N/A						
4	Lumbar radiculopathy	ICD-10-CM	Association between chiropractic spinal manipulation and lumbar discopathy in adults with lumbar disc herniation and radiculopathy: retrospective cohort study using United States data	Study w/ same criteria							
5	Hernia	ICD-10-CM	Clinical Outcomes of Tirzepatide or GLP-1 Receptor Agonists in Individuals With Type 2 Diabetes	Study w/ same criteria							
6	Gastrointestinal adverse events	ICD-10-CM	Risk for Gastrointestinal Adverse Events Associated With Tirzepatide Use in Patients: Review Abstracts for Heart Use https://pubmed.ncbi.nlm.nih.gov/3674395/	Study w/ same criteria							
7	Urinary tract infection	ICD-10-CM	Performance Characteristics of Code-Based Algorithms to Identify Urinary Tract Infections Using United States Administrative Claims Abstracts	Validation study	80.9%						
8	Serious bacterial infection	ICD-10-CM	Performance Characteristics of Code-Based Algorithms to Identify Serious Bacterial Infections https://pubmed.ncbi.nlm.nih.gov/29921683/	Validation study	90%						
Inclusion criteria											
1	Informed consent obtained before any trial-related activities.	ICD-10-CM	Can't be validated	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2	Male or female, age above or equal to 18 years at the time of signing informed consent.	ICD-10-CM	Can't be validated	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	BMI ≥ 30.0 kg/m ²	ICD-10-CM	Validation of body mass index (BMI) related ICD-9-CM and ICD-10-CM administrative diagnosis codes recorded in US claims data	Validation study	92%			No			
4	NYHA Class II-IV	ICD-10-CM	Validity of International Classification of Diseases (ICD)-10 Diagnostic Codes for Identification of Acute Heart Failure Hospitalisation and Heart Failure with Reduced Versus Preserved Ejection Fraction in a National Medicare Sample	DOPE	98%	I50.x	I09.81, I10.0, I13	Yes		Based on PROMISE team: Added hypertensive heart disease with heart failure codes.	
5	LVEF ≥ 45% at screening No hospitalisations due to heart failure between screening (V1) and randomisation (V2) Able to perform the 6MWT at screening with a minimum distance of 100 metres KCCQ clinical summary score ≥ 4 at screening	ICD-10-CM	Development and Preliminary Validation of a Medicare Claims-Based Model to Predict Left Ventricular Ejection Fraction Class in Patients With Heart Failure: Rates of Sacubitril/Valsartan Initiation and Subsequent Hospitalizations	DOPE	91%			No			
9	At least one of the following: Main pulmonary wedge pressure ≥15 mmHg or left ventricular end diastolic pressure (LVEDP) ≥15 mmHg documented during catheterisation at rest or pulmonary artery 9a) diastolic pressure measured by implantable monitor ≥15mmHg or pulmonary wedge pressure or LVEDP ≥25 mmHg documented during catheterisation at exercise.	ICD-10-CM	Can't be validated	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
9b	If BMI <35.0, NT-proBNP ≥ 220 pg/mL (for patients with sinus rhythm) or NT-proBNP ≥660 pg/mL (for patients with persistent/permanent atrial fibrillation); If BMI ≥ 35.0, NT-proBNP ≥ 125 pg/mL (for patients with sinus rhythm) or NT-proBNP ≥ 375 pg/mL (for patients with persistent/permanent atrial fibrillation) at screening (NT-proBNP analysed by the central laboratory) in combination with at least one of the following (documented by echocardiography within 12 months prior to or at screening): 1. Septal E < 7cm/sec or lateral E < 10 cm/sec or average E/E' ≥ 15 l. PA systolic pressure > 35mmHg iii. Left atrial (LA) enlargement (LA width ≥3.8 cm or LA length ≥ 5.0cm or LA area ≥ 20.0cm ² or LA volume ≥ 55ml, or LA volume index ≥29ml/m ² iv. LV hypertrophy with septal thickness or posterior wall thickness ≥1.2cm	ICD-10-CM	Investigator review of codes	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
9c	Hospitalisation with a primary diagnosis of decompensated heart failure which required intravenous loop diuretic treatment, within the previous 12 months in combination with at least two of the following (documented by echocardiography within 12 months prior to or at screening): 1. Septal E < 7cm/sec or lateral E < 10cm/sec or average E/E' ≥ 15 l. PA systolic pressure > 35mmHg iii. LA enlargement (LA width ≥3.8cm or LA length ≥ 5.0cm or LA area ≥ 20.0cm ² or LA volume ≥ 55ml, or LA volume index ≥ 29ml/m ² iv. LV hypertrophy with septal thickness or posterior wall thickness ≥ 1.2cm	ICD-10-CM	Validity of International Classification of Diseases (ICD)-10 Diagnostic Codes for Identification of Acute Heart Failure Hospitalisation and Heart Failure with Reduced Versus Preserved Ejection Fraction in a National Medicare Sample	DOPE	98%	I50.x	I09.81, I10.0, I13	Based on PROMISE team	Added hypertensive heart disease with heart failure codes.		
10	Diagnosed with T2D ≥ 90 days prior to the day of screening.	ICD-10-CM	PROMISE team	DOPE				No			
11	Subject treated with diet, exercise, and/or antidiabetic treatment* according to local label in stable dosing for at least 30 days prior to screening or (DAD) unchanged drug, dose and dosing frequency or insulin unchanged regimen (basal, basal-bolus, premix combination) with stable total daily insulin dose as judged by the investigator HbA1c of ≤10.0% as measured at the screening visit.	Prescriptions	https://www.drugs.com/	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
12	Myocardial infarction, stroke, hospitalisation for heart failure, unstable angina pectoris or transient ischaemic attack within 30 days prior to the day of screening.	ICD-10-CM	Can't be validated	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Exclusion criteria											
1	Myocardial infarction, stroke, hospitalisation for heart failure, unstable angina pectoris or transient ischaemic attack within 30 days prior to the day of screening.	Mycardial infarction Stroke	ICD-10-CM ICD-10-CM	PROMISE team PROMISE team	DOPE DOPE			No			
2	Hospitalization for heart failure	ICD-10-CM	Validity of International Classification of Diseases (ICD)-10 Diagnostic Codes for Identification of Acute Heart Failure Hospitalisation and Heart Failure with Reduced Versus Preserved Ejection Fraction in a National Medicare Sample	DOPE	98%	I50.x	I09.81, I10.0, I13	Based on PROMISE team	Added hypertensive heart disease with heart failure codes.		
3	Unstable angina pectoris TIA	ICD-10-CM ICD-10-CM	Validity of coronary heart diseases and heart failure based on hospital discharge and mortality data in the Netherlands using the cardiovascular registry Mendelian random study	Validation study DOPE	78%	I20	I20.0, I24.0, I24.1, I24.8, I24.81, I24.89, I24.9, I25.110, I25.700, I25.710, I25.720, I25.730, I25.750, I25.760, I25.790	Yes	Added codes with mention of angina pectoris in atherosclerosis		
4	Systolic blood pressure > 160 mmHg at screening Planned coronary, carotid or peripheral artery revascularization. Any other condition judged by the investigator to be the primary cause of dyspnoea such as heart failure due to restrictive cardiomyopathy or infiltrative conditions (e.g. amyloidosis, hypertrophic obstructive cardiomyopathy, primary pulmonary arterial hypertension, chronic obstructive pulmonary disease, right heart failure due to pulmonary disease, complex congenital heart disease, anaemia, or more than moderate heart valve disease).	Restrictive cardiomyopathy	ICD-10-CM	A systematic review of validated methods for identifying heart failure using administrative data	Validation study	94%	E85.8x, E85.4x, E84.9x	I20.0, I24.0, I24.1, I24.8, I24.81, I24.89, I24.9, I25.110, I25.700, I25.710, I25.720, I25.730, I25.750, I25.760, I25.790	Yes	Added: E85.0 Non-neuropathic hereditary amyloidosis, E85.1 Neuropathic hereditary amyloidosis, E85.2 Hereditary amyloidosis, unspecified, E85.3 Secondary systemic amyloidosis	Both conditions are restrictive cardiomyopathies.
5	Amyloidosis	ICD-10-CM	Validation of an administrative coding algorithm for the identification of individuals with amyloid light chain amyloidosis using administrative data	Validation study			H42.1	No		Added codes indicate the presence of amyloidosis	
6	HOCM	ICD-10-CM	Clinical and economic burden of obstructive hypertrophic cardiomyopathy in the United States	Study w/ same criteria			I27.0, I27.1, I27.2, I27.20, I27.21, I27.29	No		The criteria is primary hypertension only, which is why only codes for primary pulmonary hypertension have been used	
7	PAH	ICD-10-CM	Clinical evaluation of code-based algorithms to identify patients with pulmonary arterial hypertension in health-care databases	Study w/ same criteria			I41, I41.0, I41.1, I41.8, I42, I43.0, I43.1, I43.2, I43.3, I43.9, I44.0, I44.1, I44.8, I44.81, I44.89, I44.9	Yes			
8	COPD	ICD-10-CM	Validation of the Recording of Acute Exacerbations of COPD in UK Primary Care Electronic Healthcare Records	Validation study		J41-J44		No			

Appendix 3. Flowchart for cohort assembly

OPTUM (Jan 1, 2018 to Nov 30, 2024)	Excluded Patients	Remaining Patients
Patients in dataset		95,349,410
Patients meeting cohort entry criteria		1110,462
Excluded due to insufficient enrollment	-306,148 (28%)	804,314
Excluded due to prior use of referent	-239,644 (30%)	564,670
Excluded due to prior use of exposure	-427,157 (76%)	137,513
Excluded because patient qualified in >1 exposure category	-31 (<1%)	137,482
Excluded based on Incl 0 - Gender	-10 (<1%)	137,472
Excluded based on Incl 1 - Age at least 18	-69 (<1%)	137,403
Excluded based on Incl 3 - BMI ≥ 30.0 kg/m2 (ICD code)	-53,232 (39%)	84,171
Excluded based on Incl 3.1 - BMI ≥ 30.0 kg/m2 (Lab value, truncated)	-4,036 (5%)	80,135
Excluded based on Incl 4 - NYHA Class II-IV	-54,957 (69%)	25,178
Excluded based on Incl 5 - HFpEF	-602 (2%)	24,576
Excluded based on Incl 6 - No hospitalisations due to heart failure	-215 (<1%)	24,361
Excluded based on Incl 9 - HF decompensation requiring diuretics or	-6,780 (28%)	17,581
Excluded based on Incl 10 - Diagnosed with T2DM	-586 (3%)	16,995
Excluded based on Incl 11 - Stable antidiabetic treatment	-253 (1%)	16,742
Excluded based on Excl 1 - Myocardial infarction, stroke, hospitalisat	-696 (4%)	16,046
Excluded based on Excl 2 - Systolic blood pressure > 160 mmHg	-133 (<1%)	15,913
Excluded based on Excl 4 - Any other condition judged by the invest	-2,186 (14%)	13,727
Excluded based on Excl 5 - Bariatric surgery prior to screening or pla	-99 (<1%)	13,628
Excluded based on Excl 7 - History of type 1 diabetes (history of gest	-331 (2%)	13,297
Excluded based on Excl 8 - Treatment with any GLP-1 receptor agon	-588 (4%)	12,709
Excluded based on Excl 9 - Uncontrolled and potentially unstable dia	-176 (1%)	12,533
Excluded based on Excl 10 - Recurrent severe hypoglycaemic episod	-149 (1%)	12,384
Excluded based on Excl 11 - Treatment with continuous subcutaneou	-12 (<1%)	12,372
Excluded based on Excl 12 - Personal or first-degree relative(s) histo	-23 (<1%)	12,349
Excluded based on Excl 13 - Presence of acute pancreatitis	-9 (<1%)	12,340
Excluded based on Excl 14 - History or presence of chronic pancreat	-61 (<1%)	12,279
Excluded based on Excl 15 - End-stage renal disease or chronic or in	-157 (1%)	12,122
Excluded based on Excl 16 - Presence or history of malignant neopl	-507 (4%)	11,615
Excluded based on Excl 22 - Female who is pregnant, breast-feeding	-3 (<1%)	11,612
Excluded based on Excl 22 - Any disorder, including severe psychiat	-163 (1%)	11,449
Patients in Exposure Group		8,078
Patients in Referent Group		3,371
Total Patients		11,449

Marketscan (Jan 1, 2018 to Dec 31, 2022)*	Excluded Patients	Remaining Patients
Patients in dataset		119,592,975
Patients meeting cohort entry criteria		704,766
Excluded due to insufficient enrollment	-163,812 (23%)	540,954
Excluded due to prior use of referent	-245,519 (45%)	295,435
Excluded due to prior use of exposure	-210,167 (71%)	85,268
Excluded because patient qualified in >1 exposure category	-27 (<1%)	85,241
Excluded based on Incl 0 - Gender	-0 (<1%)	85,241
Excluded based on Incl 1 - Age at least 18	-82 (<1%)	85,159
Excluded based on Incl 3 - BMI ≥ 30.0 kg/m2 (ICD code)	-35,618 (42%)	49,541
Excluded based on Incl 3.1 - BMI ≥ 30.0 kg/m2 (Lab value, truncated)	-0 (<1%)	49,541
Excluded based on Incl 4 - NYHA Class II-IV	-43,436 (88%)	6,105
Excluded based on Incl 5 - HFpEF	-209 (3%)	5,896
Excluded based on Incl 6 - No hospitalisations due to heart failure	-98 (2%)	5,798
Excluded based on Incl 9 - HF decompensation requiring diuretics or	-1,974 (34%)	3,824
Excluded based on Incl 10 - Diagnosed with T2D	-144 (4%)	3,680
Excluded based on Incl 11 - Stable antidiabetic treatment	-46 (1%)	3,634
Excluded based on Excl 1 - Myocardial infarction, stroke, hospitalisat	-133 (4%)	3,501
Excluded based on Excl 2 - Systolic blood pressure > 160 mmHg at s	-28 (<1%)	3,473
Excluded based on Excl 4 - Any other condition judged by the invest	-554 (16%)	2,919
Excluded based on Excl 5 - Bariatric surgery prior to screening or pla	-15 (<1%)	2,904
Excluded based on Excl 7 - History of type 1 diabetes (history of gest	-76 (3%)	2,828
Excluded based on Excl 8 - Treatment with any GLP-1 receptor agon	-119 (4%)	2,709
Excluded based on Excl 9 - Uncontrolled and potentially unstable dial	-33 (1%)	2,676
Excluded based on Excl 10 - Recurrent severe hypoglycaemic episod	-29 (1%)	2,647
Excluded based on Excl 11 - Treatment with continuous subcutaneou	-6 (<1%)	2,641
Excluded based on Excl 12 - Personal or first-degree relative(s) histo	-3 (<1%)	2,638
Excluded based on Excl 13 - Presence of acute pancreatitis	-5 (<1%)	2,633
Excluded based on Excl 14 - History or presence of chronic pancreat	-4 (<1%)	2,629
Excluded based on Excl 15 - End-stage renal disease or chronic or in	-28 (1%)	2,601
Excluded based on Excl 16 - Presence or history of malignant neopl	-92 (4%)	2,509
Excluded based on Excl 22 - Female who is pregnant, breast-feeding	-1 (<1%)	2,508
Excluded based on Excl 22 - Any disorder, including severe psychiat	-20 (<1%)	2,488
Patients in Exposure Group		1,268
Patients in Referent Group		1,220
Total Patients		2,488

*Expected to include data until end of 2023 upon arrival of new database update

Medicare (Jan 1, 2018 to Dec 31, 2020)	Excluded Patients	Remaining Patients
Patients in dataset		28,874,258
Patients meeting cohort entry criteria		963,751
Excluded due to insufficient enrollment	-190,481 (20%)	773,270
Excluded due to prior use of referent	-599,237 (77%)	174,033
Excluded due to prior use of exposure	-72,292 (42%)	101,741
Excluded because patient qualified in >1 exposure category	-18 (<1%)	101,723
Excluded based on Incl 0 - Gender	-0 (<1%)	101,723
Excluded based on Incl 1 - Age at least 18	-0 (<1%)	101,723
Excluded based on Incl 3 - BMI ≥ 30.0 kg/m2	-67,682 (67%)	34,041
Excluded based on Incl 4 - NYHA Class II-IV	-17,650 (52%)	16,391
Excluded based on Incl 5 - HFpEF	-984 (6%)	15,407
Excluded based on Incl 6 - No hospitalisations due to heart failure	-220 (1%)	15,187
Excluded based on Incl 9 - HF decompensation requiring diuretics or elevated NT proBNP /	-4,211 (28%)	10,976
Excluded based on Incl 10 - Disposed with T2D > 90 days prior to the day of screening	-71 (<1%)	10,905
Excluded based on Incl 11 - Stable antidiabetic treatment	-70 (<1%)	10,835
Excluded based on Excl 1 - Myocardial infarction, stroke, hospitalisation for heart failure, un	-838 (8%)	9,997
Excluded based on Excl 2 - Systolic blood pressure > 160 mmHg	-56 (<1%)	9,941
Excluded based on Excl 4 - Any other condition judged by the investigator to be the primary	-1,122 (11%)	8,819
Excluded based on Excl 5 - Bariatric surgery prior to screening or planned bariatric surgery	-56 (<1%)	8,763
Excluded based on Excl 7 - History of type 1 diabetes (history of gestational diabetes is also	-225 (3%)	8,538
Excluded based on Excl 8 - Treatment with any GLP-1 receptor agonist	-254 (3%)	8,284
Excluded based on Excl 9 - Uncontrolled and potentially unstable diabetic retinopathy or ne	-127 (2%)	8,157
Excluded based on Excl 10 - Recurrent severe hypoglycaemic episodes as judged by the in	-104 (1%)	8,053
Excluded based on Excl 11 - Treatment with continuous subcutaneous insulin infusion	-5 (<1%)	8,048
Excluded based on Excl 12 - Personal or first-degree relative(s) history of multiple endocrin	-2 (<1%)	8,046
Excluded based on Excl 13 - Presence of acute pancreatitis	-11 (<1%)	8,035
Excluded based on Excl 14 - History or presence of chronic pancreatitis	-38 (<1%)	7,997
Excluded based on Excl 15 - End-stage renal disease or chronic or intermittent haemodialys	-131 (2%)	7,866
Excluded based on Excl 16 - Presence or history of malignant neoplasm, Basal and squam	-380 (5%)	7,486
Excluded based on Excl 20 - Female who is pregnant, breast-feeding or intends to become	-1 (<1%)	7,485
Excluded based on Excl 22 - Any disorder, including severe psychiatric disorder, suicidal beh	-97 (1%)	7,388
Patients in Exposure Group		1,601
Patients in Referent Group		5,787
Total Patients		7,388

Appendix 4. 1st Feasibility Assessment

Table of Contents

- A. Patient characteristics by treatment group
- B. Summary Parameters of Study Population
- C. Median Follow up Time in Overall Study Population
- D. Reasons for Censoring in Overall Study Population
- E. Initial Power Assessment
- F. Action report link
- G. Review by Principal Investigator

In order to complete the initial power analysis, a dummy outcome of a 90-day gap in database enrollment was used. This outcome is used to ensure that no information on the comparative risks of the outcomes of interest are available at this stage. We completed a PS overlap weighted comparative analysis using this outcome. The PS included only 3 covariates: age, sex, and combined comorbidity index. Power calculations are based on the formulas from Chow et al. (2008).

OPTUM: Study period from Jan 1, 2018 to Nov 30, 2024
 Marketscan: Study period from Jan 1, 2018 to Dec 31, 2022*
 Medicare: Study period from Jan 1, 2018 to Dec 31, 2020

A. Patient characteristics by treatment group (follow-up start is 1 days after CED, so few patients and dropped, hence table 1 could include slightly fewer patients than the attrition table)

Before weighting Variable	Optum			Marketscan			Medicare		
	Reference- Sitagliptin	Exposure - Semaglutide	Difference	Reference- Sitagliptin	Exposure - Semaglutide	Difference	Reference- Sitagliptin	Exposure - Semaglutide	Difference
Number of patients	3,371	8,078	- (-, -)	1,220	1,268	- (-, -)	5,787	1,601	- (-, -)
Age									
...mean (sd)	72.01 (8.57)	67.69 (9.20)	4.33 (3.98, 4.68)	66.97 (11.85)	59.37 (10.79)	7.61 (6.72, 8.50)	76.08 (6.83)	72.83 (5.46)	3.25 (2.93, 3.57)
...median [IQR]	73.00 [67.00, 78.00]	69.00 [62.00, 74.00]	- (-, -)	67.00 [58.00, 76.00]	59.00 [52.00, 65.00]	- (-, -)	75.00 [71.00, 81.00]	72.00 [68.00, 76.00]	- (-, -)
Gender									
...Male; n (%)	1,482 (44.0%)	3,623 (44.9%)	-0.9% (-2.9%, 1.1%)	599 (49.1%)	660 (52.1%)	-3.0% (-7.0%, 1.1%)	2,260 (39.1%)	797 (49.8%)	-10.7% (-13.5%, -7.9%)
CCI (365 days)									
...mean (sd)	5.76 (2.42)	5.24 (2.28)	0.52 (0.42, 0.61)	4.80 (2.26)	4.28 (1.91)	0.53 (0.36, 0.69)	5.79 (2.46)	5.55 (2.19)	0.24 (0.11, 0.36)
...median [IQR]	6.00 [4.00, 7.00]	5.00 [4.00, 7.00]	- (-, -)	4.00 [3.00, 6.00]	4.00 [3.00, 5.00]	- (-, -)	6.00 [4.00, 7.00]	5.00 [4.00, 7.00]	- (-, -)

B. Summary Parameters of Overall Study Population (Step 1)

Variable	Optum	Marketscan	Medicare
	Value	Value	Value
Number of patients in full cohort	11,449	2,488	7,388
Number of patients dropped as incomplete cases	0	0	0
Number of patients that did not begin follow-up	97	0	77
Number of patients in analytic cohort	11,352.000	2,488.000	7,311.000
Number of events	376	124	530
Number of person-years	5,318.88	1,266.42	3,424.35
Number of patients in group: Reference- Sitagliptin	3,330.000	1,220.000	5,716.000
Number of patients in group: Exposure - Semaglutide	8,022.000	1,268.000	1,595.000
Risk per 1,000 patients	33.12	49.84	72.49
Rate per 1,000 person-years	70.69	97.91	154.77

C. Median Follow up Time in Overall Study Population (Step 1)

	Optum	Marketscan	Medicare
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Patient Group	Median Follow-Up Time (Days) [IQR]	Median Follow-Up Time (Days) [IQR]	Median Follow-Up Time (Days) [IQR]
Overall Patient Population	133 [73, 258]	142 [73, 308]	133 [73, 279]

D. Reasons for Censoring in Overall Study Population (Step 1)

Overall	Optum	Marketscan	Medicare
	Value	Value	Value
Outcome	378 (3.3%)	125 (5.0%)	533 (7.3%)
Start of an additional exposure	114 (1.0%)	38 (1.5%)	70 (1.0%)
End of index exposure	4,997 (44.0%)	1,020 (41.0%)	2,755 (37.7%)
Maximum follow-up time	1,821 (16.0%)	500 (20.1%)	1,203 (16.5%)
Specified date reached	1,728 (15.2%)	400 (16.1%)	1,398 (19.1%)
End of patient data	0 (0.0%)	0 (0.0%)	0 (0.0%)
End of patient enrollment	999 (8.8%)	311 (12.5%)	222 (3.0%)
Switch to other GLP-1-RA (for censoring) / Nursing home admission	1,315 (11.6%)	94 (3.8%)	1,130 (15.5%)

E. Power Assessment

Superiority Analysis	
Number of patients	
Reference	10,378
Exposed	10,947
Risk per 1,000 patients	50.00
Expected HR	0.45
Alpha (2-sided)	0.05
Number of events expected	1066.250
Power	1

F. Aetion report link

Optum Step 1: <https://bwh-dope.aetion.com/project/2781/rwrs/131550>

Marketscan Step 1: <https://bwh-dope.aetion.com/project/2792/rwrs/131583>

Medicare Step 1: <https://bwh-dope.aetion.com/project/2800/rwrs/131568>

G. Review by principal investigator

Stop analyses until feasibility and power are reviewed by primary investigators.

Reviewed by PI:	Nils Krüger	Date reviewed:	March 31, 2025
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*Expected to include data until end of 2023 upon arrival of new database update

Appendix 5. 2nd Feasibility Assessment

Table of Contents

- A. Median Follow up Time by Treatment Group
- B. Reasons for Censoring by Treatment Group
- C. Final Power Assessment
- D. Action report link
- E. Review by Principal Investigator

In order to complete the feasibility analysis, a dummy outcome of a 90-day gap in database enrollment was used. This outcome is used to ensure that no information on the comparative risks of the outcomes of interest are available at this stage. We completed a PS overlap weighted comparative analysis using this outcome. The PS included all prespecified covariates listed in the protocol. Power calculations are based on the formulas from Chow et al. (2008).

A. Median Follow Up Time by Treatment Group

	Optum	Marketscan	Medicare
Patient Group	Median Follow-Up Time (Days) [IQR]	Median Follow-Up Time (Days) [IQR]	Median Follow-Up Time (Days) [IQR]
Overall Patient Population	133 [73, 258]	142 [73, 308]	133 [73, 279]

B. Reasons for Censoring in Overall Study Population

	Optum	Marketscan	Medicare
Overall	Value	Value	Value
Outcome	378 (3.3%)	125 (5.0%)	533 (7.3%)
Start of an additional exposure	114 (1.0%)	38 (1.5%)	70 (1.0%)
End of index exposure	4,997 (44.0%)	1,020 (41.0%)	2,755 (37.7%)
Maximum follow-up time	1,821 (16.0%)	500 (20.1%)	1,203 (16.5%)
Specified date reached	1,728 (15.2%)	400 (16.1%)	1,398 (19.1%)
End of patient data	0 (0.0%)	0 (0.0%)	0 (0.0%)
End of patient enrollment	999 (8.8%)	311 (12.5%)	222 (3.0%)
Switch to other GLP-1-RA (for censoring) / Nursing home admission	1,315 (11.6%)	94 (3.8%)	1,130 (15.5%)

C. Power Assessment

Superiority Analysis	
Number of patients	
Reference	10,378
Exposed	10,947
Risk per 1,000 patients	50.00
Expected HR	0.45
Alpha (2-sided)	0.05
Number of events expected	1066.250
Power	1

F. Action report link

Optum Step 1: <https://bwh-dope.aetion.com/project/2781/rwrs/131550>

Marketscan Step 1: <https://bwh-dope.aetion.com/project/2792/rwrs/131583>

Medicare Step 1: <https://bwh-dope.aetion.com/project/2800/rwrs/131568>

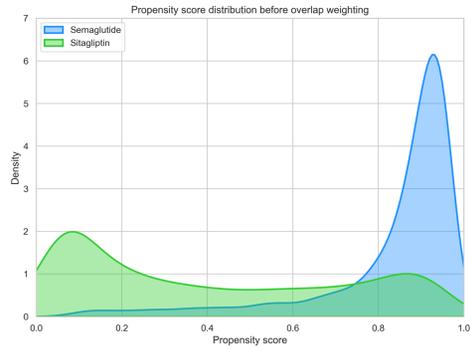
E. Review by principal investigator

Stop analyses until feasibility and power are reviewed by primary investigators.

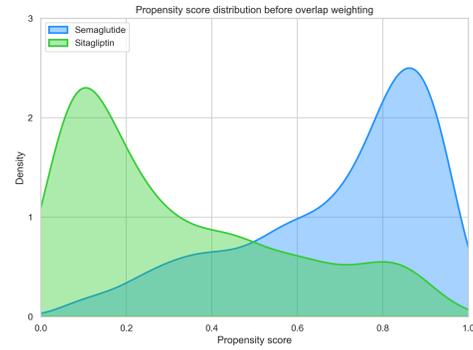
Reviewed by PI:	Nils Krüger	Date reviewed:	March 31, 2025
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Appendix 6. Balance Assessment - PS Distribution and C-Statistic

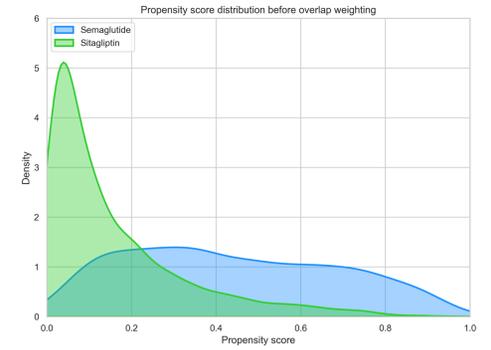
C-statistics unadjusted, OPTUM: 0.877



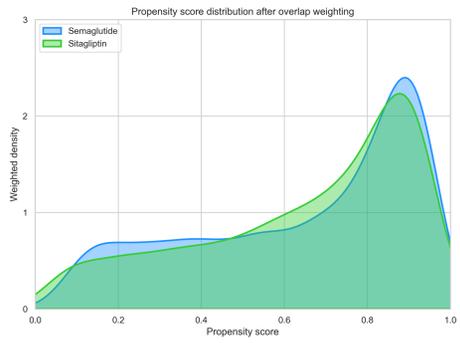
C-statistics unadjusted, Marketscan: 0.853



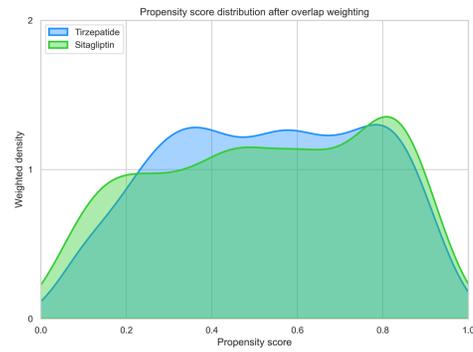
C-statistics unadjusted, Medicare: 0.839



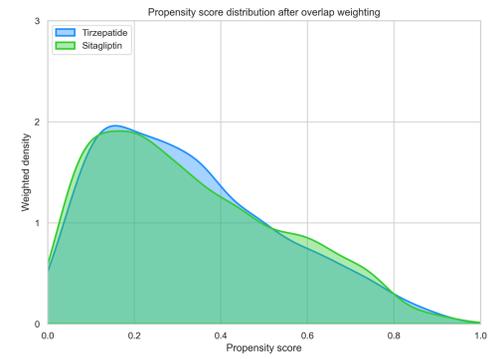
C-statistics adjusted after overlap weighing on the PS, OPTUM: 0.505



C-statistics adjusted after overlap weighing on the PS, Marketscan: 0.500



C-statistics adjusted after overlap weighing on the PS, Medicare: 0.500



Appendix 7. Balance Assessment - Table 1

OPTUM	Variable	Exposure	Referent	SMD	Weighted Exposure	Weighted Referent	Weighted SMD
Demographics							
Age		67.67 ± 9.19 [69.00, 62.00-74.00]	71.98 ± 8.55 [73.00, 67.00-78.00]	-0.485	70.72 ± 8.41 [71.00, 66.00-76.00]	70.72 ± 8.81 [71.00, 66.00-77.00]	0.000
Gender (male)		3594 (44.80%)	1463 (43.93%)	0.017	597.2 (44.51%)	597.2 (44.51%)	0.000
Race							
White		3803 (47.41%)	1615 (48.50%)	-0.022	648.9 (48.36%)	648.9 (48.36%)	0.000
Black		1494 (18.62%)	663 (19.91%)	-0.033	259.9 (19.37%)	259.9 (19.37%)	0.000
Other		64 (0.80%)	36 (1.08%)	-0.029	12.6 (0.94%)	12.6 (0.94%)	0.000
Unknown / Missing		2661 (33.17%)	1016 (30.51%)	0.057	420.3 (31.33%)	420.3 (31.33%)	0.000
Region / State							
Midwest / North central		1676 (20.89%)	575 (17.27%)	0.092	257.3 (19.18%)	257.3 (19.18%)	0.000
Northeast		601 (7.49%)	313 (9.40%)	-0.069	119.1 (8.87%)	119.1 (8.87%)	0.000
South		4593 (57.26%)	1948 (58.50%)	-0.025	779.5 (58.11%)	779.5 (58.11%)	0.000
West		1147 (14.30%)	493 (14.80%)	-0.014	185.3 (13.81%)	185.3 (13.81%)	0.000
Lifestyle risk factors							
Smoking / Tobacco use		3042 (37.92%)	1224 (36.76%)	0.024	494.7 (36.88%)	494.7 (36.88%)	0.000
Class 1 Obesity (30.0-34.9)		567 (7.07%)	556 (16.70%)	-0.301	155.7 (11.60%)	155.7 (11.60%)	0.000
Class 2 Obesity (35.0-39.9)		518 (6.46%)	264 (7.93%)	-0.057	104.8 (7.81%)	104.8 (7.81%)	0.000
Class 3 Obesity (40.0 and above)		4450 (55.47%)	1261 (37.87%)	0.358	600.3 (44.75%)	600.3 (44.75%)	0.000
Unspecified Obesity		2487 (31.00%)	1249 (37.51%)	-0.137	480.8 (35.84%)	480.8 (35.84%)	0.000
Diabetes complications							
Diabetic nephropathy		3236 (40.34%)	1490 (44.74%)	-0.089	578.5 (43.12%)	578.5 (43.12%)	0.000
Diabetic neuropathy		3403 (42.42%)	1480 (44.44%)	-0.041	594.2 (44.29%)	594.2 (44.29%)	0.000
Diabetic retinopathy		1110 (13.84%)	441 (13.24%)	0.017	184.6 (13.76%)	184.6 (13.76%)	0.000
Diabetes with other ophthalmic complications		441 (5.50%)	238 (7.15%)	-0.068	95.6 (7.13%)	95.6 (7.13%)	0.000
Diabetes with peripheral circulatory disorders		2119 (26.41%)	956 (28.71%)	-0.051	390.5 (29.11%)	390.5 (29.11%)	0.000
Diabetic foot		566 (7.06%)	211 (6.34%)	0.029	91.3 (6.80%)	91.3 (6.80%)	0.000
Erectile dysfunction		300 (3.74%)	100 (3.00%)	0.041	45.2 (3.37%)	45.2 (3.37%)	0.000
Hyperglycemia / DKA / HONK		4434 (55.27%)	1837 (55.17%)	0.002	753.0 (56.13%)	753.0 (56.13%)	0.000
Hypoglycemia		2124 (26.48%)	832 (24.98%)	0.034	369.2 (27.52%)	369.2 (27.52%)	0.000
Skin infections		1461 (18.21%)	600 (18.02%)	0.005	249.1 (18.57%)	249.1 (18.57%)	0.000
Cardiovascular-related conditions							
Angina		1451 (18.09%)	609 (18.29%)	-0.005	243.4 (18.14%)	243.4 (18.14%)	0.000
Atrial fibrillation		2466 (30.74%)	1104 (33.15%)	-0.052	440.3 (32.82%)	440.3 (32.82%)	0.000
Cardiac conduction disorder		1074 (13.39%)	495 (14.86%)	-0.042	194.1 (14.46%)	194.1 (14.46%)	0.000
Cardiomyopathy		689 (8.59%)	261 (7.84%)	0.027	101.5 (7.57%)	101.5 (7.57%)	0.000
Cerebrovascular procedure		28 (0.35%)	10 (0.30%)	0.009	5.9 (0.44%)	5.9 (0.44%)	0.000
Coronary atherosclerosis		3986 (49.69%)	1704 (51.17%)	-0.03	678.4 (50.56%)	678.4 (50.56%)	0.000
Edema		2866 (35.73%)	1254 (37.66%)	-0.04	495.5 (36.93%)	495.5 (36.93%)	0.000
Hyperkalemia		555 (6.92%)	270 (8.11%)	-0.045	102.1 (7.61%)	102.1 (7.61%)	0.000
Hyperlipidemia		7163 (89.29%)	2993 (89.88%)	-0.019	1211.6 (90.31%)	1211.6 (90.31%)	0.000
Hypertension		7842 (97.76%)	3258 (97.84%)	-0.006	1313.4 (97.90%)	1313.4 (97.90%)	0.000
Hypotension		580 (7.23%)	305 (9.16%)	-0.07	115.4 (8.61%)	115.4 (8.61%)	0.000
Implantable cardioverter defibrillator		38 (0.47%)	14 (0.42%)	0.008	7.3 (0.54%)	7.3 (0.54%)	0.000
Insertion of pacemakers / removal of cardiac lead		35 (0.44%)	29 (0.87%)	-0.054	11.8 (0.88%)	11.8 (0.88%)	0.000
Ischemic stroke		107 (1.33%)	43 (1.29%)	0.004	18.0 (1.34%)	18.0 (1.34%)	0.000
Myocardial infarction		1142 (14.24%)	527 (15.83%)	-0.044	200.5 (14.94%)	200.5 (14.94%)	0.000
Other cardiac dysrhythmia		3174 (39.57%)	1285 (38.59%)	0.02	520.8 (38.82%)	520.8 (38.82%)	0.000
Peripheral vascular disease diagnosis or surgery		1645 (20.51%)	764 (22.94%)	-0.059	302.0 (22.51%)	302.0 (22.51%)	0.000
Previous cardiac procedure (CABG, PTCA, Stent)		388 (4.84%)	156 (4.68%)	0.007	66.2 (4.93%)	66.2 (4.93%)	0.000
Pulmonary hypertension		919 (11.46%)	365 (10.96%)	0.016	154.0 (11.48%)	154.0 (11.48%)	0.000
Transient ischemic attack		235 (2.93%)	114 (3.42%)	-0.028	41.6 (3.10%)	41.6 (3.10%)	0.000
Valve disorders		2162 (26.95%)	897 (26.94%)	0	362.3 (27.00%)	362.3 (27.00%)	0.000
Venous thromboembolism		376 (4.69%)	154 (4.62%)	0.003	63.9 (4.76%)	63.9 (4.76%)	0.000
Renal-related conditions							
Acute kidney injury		1482 (18.47%)	677 (20.33%)	-0.047	264.9 (19.74%)	264.9 (19.74%)	0.000
Chronic kidney disease stage 1-2		700 (8.73%)	355 (10.66%)	-0.065	137.6 (10.26%)	137.6 (10.26%)	0.000
Chronic kidney disease stage 3-4		2839 (35.39%)	1285 (38.59%)	-0.066	502.3 (37.44%)	502.3 (37.44%)	0.000
Unspecified chronic kidney disease		1344 (16.75%)	627 (18.83%)	-0.054	242.6 (18.09%)	242.6 (18.09%)	0.000
Hypertensive nephropathy		2661 (33.17%)	1220 (36.64%)	-0.073	470.3 (35.06%)	470.3 (35.06%)	0.000
Urolithiasis (kidney and urinary stone)		432 (5.39%)	178 (5.35%)	0.002	72.2 (5.38%)	72.2 (5.38%)	0.000
Urinary tract infections		1557 (19.41%)	756 (22.70%)	-0.081	282.1 (21.02%)	282.1 (21.02%)	0.000
Genital infections		267 (3.33%)	113 (3.39%)	-0.004	50.1 (3.74%)	50.1 (3.74%)	0.000
Other comorbidities							
Anemia		2399 (29.91%)	1150 (34.53%)	-0.099	448.5 (33.43%)	448.5 (33.43%)	0.000
Asthma		1581 (19.71%)	532 (15.98%)	0.098	238.1 (17.75%)	238.1 (17.75%)	0.000
Chronic obstructive pulmonary disease		2660 (33.16%)	1191 (35.77%)	-0.055	469.0 (34.96%)	469.0 (34.96%)	0.000
Obstructive sleep apnea		4549 (56.71%)	1339 (40.21%)	0.335	629.4 (46.92%)	629.4 (46.92%)	0.000
Serious bacterial infections		604 (7.53%)	316 (9.49%)	-0.07	109.5 (8.16%)	109.5 (8.16%)	0.000
Pneumonia		1022 (12.74%)	483 (14.50%)	-0.051	187.6 (13.98%)	187.6 (13.98%)	0.000
Influenza		192 (2.39%)	89 (2.67%)	-0.018	29.4 (2.19%)	29.4 (2.19%)	0.000
Delirium or psychosis		95 (1.18%)	66 (1.98%)	-0.064	21.7 (1.62%)	21.7 (1.62%)	0.000
Dementia		466 (5.81%)	352 (10.57%)	-0.174	114.6 (8.54%)	114.6 (8.54%)	0.000
Depression		2155 (26.86%)	916 (27.51%)	-0.014	366.5 (27.32%)	366.5 (27.32%)	0.000
Osteoporosis		449 (5.60%)	236 (7.09%)	-0.061	88.1 (6.57%)	88.1 (6.57%)	0.000
Fractures / Falls		796 (9.92%)	407 (12.22%)	-0.073	152.9 (11.40%)	152.9 (11.40%)	0.000

Hyperthyroidism and other thyroid gland disorders	2435 (30.35%)	1064 (31.95%)	-0.035	428.7 (31.96%)	428.7 (31.96%)	0.000
Hypothyroidism	2016 (25.13%)	901 (27.06%)	-0.044	361.5 (26.95%)	361.5 (26.95%)	0.000
Gastroparesis	100 (1.25%)	42 (1.26%)	-0.001	18.9 (1.41%)	18.9 (1.41%)	0.000
Bowel obstruction	12 (0.15%)	10 (0.30%)	-0.032	3.3 (0.24%)	3.3 (0.24%)	0.000
Liver disease	1788 (22.29%)	708 (21.26%)	0.025	294.9 (21.98%)	294.9 (21.98%)	0.000
MASH/MASLD	732 (9.12%)	255 (7.66%)	0.053	110.5 (8.24%)	110.5 (8.24%)	0.000
Pancreatitis	6 (0.07%)	0 (0.00%)	0.039	0.0 (0.00%)	0.0 (0.00%)	0.000
Biliary disease	15 (0.19%)	14 (0.42%)	-0.042	3.8 (0.28%)	3.8 (0.28%)	0.000
Urinary incontinence	726 (9.05%)	313 (9.40%)	-0.012	124.9 (9.31%)	124.9 (9.31%)	0.000
Diabetes medications						
Metformin	4397 (54.81%)	2130 (63.96%)	-0.187	824.5 (61.45%)	824.5 (61.45%)	0.000
Insulins	3251 (40.53%)	1028 (30.87%)	0.203	484.9 (36.14%)	484.9 (36.14%)	0.000
Dipeptidyl peptidase-4 inhibitors	283 (3.53%)	166 (4.98%)	-0.072	66.7 (4.97%)	66.7 (4.97%)	0.000
Sulfonylureas	1971 (24.57%)	1418 (42.58%)	-0.389	480.6 (35.83%)	480.6 (35.83%)	0.000
Sodium-glucose cotransporter 2 inhibitors	2588 (32.26%)	556 (16.70%)	0.368	336.7 (25.09%)	336.7 (25.09%)	0.000
Any other glucose-lowering agents	559 (6.97%)	361 (10.84%)	-0.136	127.6 (9.51%)	127.6 (9.51%)	0.000
Heart failure medications						
Angiotensin-converting enzyme inhibitors / Angiotensin II receptor blockers	5867 (73.14%)	2546 (76.46%)	-0.077	1009.6 (75.26%)	1009.6 (75.26%)	0.000
Angiotensin Receptor-Nephrilysin Inhibitors	582 (7.26%)	126 (3.78%)	0.152	68.6 (5.12%)	68.6 (5.12%)	0.000
Beta-blockers	4305 (53.66%)	1813 (54.44%)	-0.016	735.9 (54.85%)	735.9 (54.85%)	0.000
Calcium channel blockers	3520 (43.88%)	1549 (46.52%)	-0.053	610.3 (45.49%)	610.3 (45.49%)	0.000
Digoxin / Digitoxin	194 (2.42%)	120 (3.60%)	-0.069	41.9 (3.12%)	41.9 (3.12%)	0.000
Loop diuretics	6326 (78.86%)	2595 (77.93%)	0.023	1048.3 (78.14%)	1048.3 (78.14%)	0.000
Thiazides	2746 (34.23%)	1221 (36.67%)	-0.051	476.1 (35.49%)	476.1 (35.49%)	0.000
Intravenous diuretics	679 (8.46%)	268 (8.05%)	0.015	111.4 (8.31%)	111.4 (8.31%)	0.000
Other diuretics	2283 (28.46%)	744 (22.34%)	0.141	331.2 (24.69%)	331.2 (24.69%)	0.000
Nitrates	1656 (20.64%)	691 (20.75%)	-0.003	281.2 (20.96%)	281.2 (20.96%)	0.000
Other medications						
Anti-arrhythmics	606 (7.55%)	219 (6.58%)	0.038	94.5 (7.04%)	94.5 (7.04%)	0.000
Anti-depressants	3698 (46.10%)	1290 (38.74%)	0.149	555.7 (41.42%)	555.7 (41.42%)	0.000
Antiplatelet agents	1776 (22.14%)	729 (21.89%)	0.006	293.9 (21.91%)	293.9 (21.91%)	0.000
Antipsychotics	409 (5.10%)	159 (4.77%)	0.015	65.8 (4.90%)	65.8 (4.90%)	0.000
Anxiolytics / hypnotics, benzos	2147 (26.76%)	754 (22.64%)	0.096	298.4 (22.24%)	298.4 (22.24%)	0.000
COPD / Asthma medications	4280 (53.35%)	1648 (49.49%)	0.077	686.3 (51.16%)	686.3 (51.16%)	0.000
Laxatives	445 (5.55%)	208 (6.25%)	-0.03	74.7 (5.57%)	74.7 (5.57%)	0.000
Nons teroidal anti-inflammatory drugs	2761 (34.42%)	1020 (30.63%)	0.081	439.5 (32.76%)	439.5 (32.76%)	0.000
Opioids	3531 (44.02%)	1460 (43.84%)	0.003	564.6 (42.08%)	564.6 (42.08%)	0.000
Oral anticoagulants	2376 (29.62%)	989 (29.70%)	-0.002	413.8 (30.85%)	413.8 (30.85%)	0.000
Oral corticosteroids	3443 (42.92%)	1221 (36.67%)	0.128	514.9 (38.38%)	514.9 (38.38%)	0.000
Osteoporosis agents	270 (3.37%)	149 (4.47%)	-0.057	55.3 (4.12%)	55.3 (4.12%)	0.000
Statins	6837 (85.23%)	2888 (86.73%)	-0.043	1167.3 (87.01%)	1167.3 (87.01%)	0.000
PCSK9 inhibitors and other lipid-lowering drugs	1329 (16.57%)	457 (13.72%)	0.079	206.6 (15.40%)	206.6 (15.40%)	0.000
Urinary tract infections antibiotics	4551 (56.73%)	1859 (55.83%)	0.018	750.8 (55.96%)	750.8 (55.96%)	0.000
Healthcare utilization markers						
Number of office visits	13.15 ± 7.82 [12.00, 8.00-17.00]	12.35 ± 8.10 [11.00, 7.00-16.00]	0.101	12.75 ± 7.58 [11.00, 7.00-17.00]	12.75 ± 8.36 [11.00, 7.00-17.00]	0.000
Number of cardiologist visits	4.13 ± 5.20 [3.00, 1.00-6.00]	4.17 ± 5.34 [3.00, 1.00-6.00]	-0.009	4.07 ± 5.37 [3.00, 1.00-6.00]	4.07 ± 5.03 [3.00, 1.00-6.00]	0.000
Number of endocrinologist visits	0.55 ± 1.63 [0.00, 0.00-0.00]	0.35 ± 1.37 [0.00, 0.00-0.00]	0.129	0.43 ± 1.30 [0.00, 0.00-0.00]	0.43 ± 1.62 [0.00, 0.00-0.00]	0.000
Number of internal/family medicine visits	10.89 ± 11.21 [8.00, 4.00-14.00]	12.48 ± 12.07 [9.00, 5.00-16.00]	-0.137	12.01 ± 12.31 [8.00, 5.00-15.00]	12.01 ± 12.01 [9.00, 4.00-15.00]	0.000
Number of emergency department visits	1.20 ± 1.97 [1.00, 0.00-2.00]	1.41 ± 2.22 [1.00, 0.00-2.00]	-0.099	1.31 ± 2.17 [1.00, 0.00-2.00]	1.31 ± 1.97 [1.00, 0.00-2.00]	0.000
Number of echocardiograms	0.73 ± 0.87 [1.00, 0.00-1.00]	0.72 ± 0.96 [1.00, 0.00-1.00]	0.01	0.73 ± 0.87 [1.00, 0.00-1.00]	0.73 ± 0.94 [1.00, 0.00-1.00]	0.000
Number electrocardiograms	2.05 ± 2.41 [1.00, 0.00-3.00]	2.11 ± 2.50 [1.00, 0.00-3.00]	-0.026	2.06 ± 2.46 [1.00, 0.00-3.00]	2.06 ± 2.43 [1.00, 0.00-3.00]	0.000
Number of distinct medications	19.76 ± 7.39 [19.00, 14.00-24.00]	19.01 ± 7.05 [18.00, 14.00-23.00]	0.104	19.41 ± 7.24 [18.00, 14.00-24.00]	19.41 ± 7.25 [18.00, 14.00-24.00]	0.000
Out-of-pocket medication cost	774.72 ± 917.26 [442.74, 149.01-1128.62]	681.29 ± 771.76 [386.80, 138.40-979.49]	0.11	703.56 ± 789.36 [414.22, 148.39-1016.08]	703.56 ± 816.30 [386.59, 131.49-1038.50]	0.000
Number of unique brand medications*	20.22 ± 7.73 [19.00, 15.00-25.00]	19.43 ± 7.37 [18.00, 14.00-24.00]	0.106	19.87 ± 7.60 [19.00, 14.00-24.00]	19.87 ± 7.59 [19.00, 14.00-24.00]	0.001
Number of unique generic medications*	19.76 ± 7.39 [19.00, 14.00-24.00]	19.01 ± 7.05 [18.00, 14.00-23.00]	0.104	19.41 ± 7.24 [18.00, 14.00-24.00]	19.41 ± 7.25 [18.00, 14.00-24.00]	0.000
Ratio of brand to generic medications	1.02 ± 0.04 [1.00, 1.00-1.04]	1.02 ± 0.04 [1.00, 1.00-1.04]	0.037	1.02 ± 0.04 [1.00, 1.00-1.04]	1.02 ± 0.04 [1.00, 1.00-1.04]	0.000
Healthy behavior markers						
Colonoscopy, Sigmoidoscopy	726 (9.05%)	239 (7.18%)	0.069	100.7 (7.51%)	100.7 (7.51%)	0.000
Bone mineral density tests	595 (7.42%)	213 (6.40%)	0.04	86.2 (6.42%)	86.2 (6.42%)	0.000
Fecal occult blood test	366 (4.56%)	243 (7.30%)	-0.116	78.5 (5.85%)	78.5 (5.85%)	0.000
Flu vaccine / Pneumococcal vaccine	3141 (39.15%)	1437 (43.15%)	-0.081	548.0 (40.84%)	548.0 (40.84%)	0.000
Mammograms	1803 (22.48%)	609 (18.29%)	0.104	269.0 (20.05%)	269.0 (20.05%)	0.000
PSA test	1663 (20.73%)	614 (18.44%)	0.058	262.5 (19.57%)	262.5 (19.57%)	0.000
Pap smear	276 (3.44%)	81 (2.43%)	0.06	35.1 (2.62%)	35.1 (2.62%)	0.000
Laboratory and diagnostic tests						
Number of HbA1c tests	2.50 ± 1.41 [2.00, 2.00-3.00]	2.52 ± 1.45 [2.00, 2.00-3.00]	-0.014	2.54 ± 1.37 [3.00, 2.00-3.00]	2.54 ± 1.47 [2.00, 2.00-3.00]	0.000
Number of creatinine tests	4.43 ± 3.50 [4.00, 2.00-6.00]	4.50 ± 3.57 [4.00, 2.00-6.00]	-0.02	4.44 ± 3.43 [4.00, 2.00-6.00]	4.44 ± 3.44 [4.00, 2.00-6.00]	0.000
Number of urine tests	1.34 ± 1.94 [1.00, 0.00-2.00]	1.46 ± 2.02 [1.00, 0.00-2.00]	-0.065	1.41 ± 1.98 [1.00, 0.00-2.00]	1.41 ± 2.00 [1.00, 0.00-2.00]	0.000
Number of lipid panels	1.66 ± 1.23 [1.00, 1.00-2.00]	1.68 ± 1.30 [2.00, 1.00-2.00]	-0.013	1.67 ± 1.24 [1.00, 1.00-2.00]	1.67 ± 1.27 [1.30, 1.00-2.00]	0.000
Lab values						
BMI*	41.45 ± 8.17 [39.88, 35.43-45.68]	38.10 ± 6.63 [36.70, 33.09-41.38]	0.45	40.06 ± 7.65 [38.37, 34.44-43.80]	38.54 ± 6.87 [37.14, 33.24-42.00]	0.209
BNP*	125.86 ± 217.30 [66.30, 28.00-147.80]	163.13 ± 412.62 [76.60, 38.00-171.10]	-0.113	121.75 ± 166.54 [68.00, 31.77-161.19]	170.29 ± 510.11 [75.23, 35.26-160.46]	-0.131
proBNP*	666.89 ± 1002.84 [295.00, 110.00-846.00]	902.79 ± 1196.86 [404.50, 147.75-1233.25]	-0.214	654.13 ± 1134.04 [297.85, 104.00-735.27]	915.31 ± 1185.08 [293.49, 148.63-1416.33]	-0.226
Creatinine*	1.18 ± 0.45 [1.05, 0.84-1.36]	1.23 ± 0.45 [1.11, 0.89-1.41]	-0.093	1.20 ± 0.45 [1.08, 0.86-1.40]	1.23 ± 0.48 [1.09, 0.88-1.40]	-0.054
eGFR*	64.48 ± 23.53 [64.00, 46.00-83.00]	60.00 ± 22.37 [59.00, 44.00-75.50]	0.195	62.43 ± 22.22 [61.25, 46.00-80.00]	60.92 ± 22.67 [59.00, 44.55-77.99]	0.068
Glucose*	157.94 ± 70.63 [139.00, 110.00-187.00]	170.39 ± 76.35 [153.00, 119.00-201.00]	-0.169	164.53 ± 72.28 [146.00, 114.50-195.00]	168.61 ± 75.91 [150.00, 118.00-198.69]	-0.055
HbA1c*	7.65 ± 1.73 [7.20, 6.40-8.50]	7.88 ± 1.66 [7.60, 6.70-8.60]	-0.135	7.82 ± 1.75 [7.50, 6.50-8.70]	7.93 ± 1.68 [7.60, 6.80-8.70]	-0.066
Heart rate*	76.29 ± 12.91 [75.00, 67.00-84.00]	78.16 ± 33.90 [76.00, 68.00-86.00]	-0.073	76.38 ± 12.96 [76.00, 67.00-84.00]	77.80 ± 31.46 [76.00, 68.00-85.14]	-0.060
Systolic blood pressure*	129.59 ± 19.75 [130.00, 119.00-140.00]	130.74 ± 18.76 [130.00, 120.00-140.00]	-0.06	129.93 ± 19.26 [130.00, 120.00-140.00]	130.19 ± 19.23 [130.00, 120.00-140.00]	-0.014

Burden of comorbidities						
Combined comorbidity index (CCI)	5.23 ± 2.28 [5.00, 4.00-7.00]	5.74 ± 2.41 [6.00, 4.00-7.00]	-0.214	5.55 ± 2.36 [5.00, 4.00-7.00]	5.55 ± 2.34 [5.00, 4.00-7.00]	0.000
Frailty score	0.22 ± 0.06 [0.21, 0.18-0.25]	0.23 ± 0.07 [0.22, 0.18-0.26]	-0.114	0.23 ± 0.07 [0.21, 0.18-0.26]	0.23 ± 0.07 [0.21, 0.18-0.26]	0.000
Baseline hospitalizations and hospital metrics						
Number of any hospitalization	0.48 ± 0.93 [0.00, 0.00-1.00]	0.63 ± 1.15 [0.00, 0.00-1.00]	-0.147	0.56 ± 1.05 [0.00, 0.00-1.00]	0.56 ± 1.05 [0.00, 0.00-1.00]	0.000
Number of heart failure hospitalizations						
Zero	7472 (93.14%)	3113 (93.48%)	-0.014	1253.8 (93.46%)	1253.8 (93.46%)	0.000
One	500 (6.23%)	188 (5.65%)	0.025	78.0 (5.81%)	78.0 (5.81%)	0.000
Two or more	50 (0.62%)	29 (0.87%)	-0.029	9.8 (0.73%)	9.8 (0.73%)	0.000
Number of other hospitalizations						
Zero	5605 (69.87%)	2159 (64.83%)	0.108	905.9 (67.52%)	905.9 (67.52%)	0.000
One	1570 (19.57%)	678 (20.36%)	-0.02	266.1 (19.83%)	266.1 (19.83%)	0.000
Two or more	847 (10.56%)	493 (14.80%)	-0.128	169.6 (12.64%)	169.6 (12.64%)	0.000
Calendar year of cohort entry						
2018	12 (0.15%)	589 (17.69%)	-0.647	11.4 (0.85%)	11.4 (0.85%)	0
2019	211 (2.63%)	581 (17.45%)	-0.509	121.9 (9.09%)	121.9 (9.09%)	0
2020	442 (5.51%)	605 (18.17%)	-0.4	202.8 (15.12%)	202.8 (15.12%)	0
2021	683 (8.51%)	476 (14.29%)	-0.183	221.0 (16.47%)	221.0 (16.47%)	0
2022	1206 (15.03%)	402 (12.07%)	0.087	244.0 (18.19%)	244.0 (18.19%)	0
2023	2542 (31.69%)	355 (10.66%)	0.533	276.5 (20.61%)	276.5 (20.61%)	0
2024	2926 (36.47%)	322 (9.67%)	0.671	263.9 (19.67%)	263.9 (19.67%)	0

* Not used in the PS model

Appendix 7. Balance Assessment - Table 1

Marketscan	Variable	Exposure	Referent	SMD	Weighted Exposure	Weighted Referent	Weighted SMD
Demographics							
	Age	59.37 ± 10.79 [59.00, 52.00-65.00]	66.97 ± 11.85 [67.00, 58.00-76.00]	-0.671	62.21 ± 10.96 [62.00, 55.00-70.00]	62.21 ± 11.16 [61.00, 55.00-70.00]	0.000
	Gender (male)	660 (52.05%)	599 (49.10%)	0.059	199.8 (51.75%)	199.8 (51.75%)	0.000
	Region / State						
	Midwest / North central	308 (24.29%)	444 (36.39%)	-0.265	101.2 (26.21%)	101.2 (26.21%)	0.000
	Northeast	185 (14.59%)	199 (16.31%)	-0.048	59.8 (15.48%)	59.8 (15.48%)	0.000
	South	679 (53.55%)	507 (41.56%)	0.242	201.1 (52.10%)	201.1 (52.10%)	0.000
	West	94 (7.41%)	67 (5.49%)	0.078	23.4 (6.05%)	23.4 (6.05%)	0.000
Lifestyle risk factors							
	Smoking / Tobacco use	219 (17.27%)	179 (14.67%)	0.071	58.7 (15.20%)	58.7 (15.20%)	0.000
	Class 1 Obesity (30.0-34.9)	92 (7.26%)	140 (11.48%)	-0.145	33.6 (8.72%)	33.6 (8.72%)	0.000
	Class 2 Obesity (35.0-39.9)	73 (5.76%)	90 (7.38%)	-0.065	26.0 (6.74%)	26.0 (6.74%)	0.000
	Class 3 Obesity (40.0 and above)	651 (51.34%)	493 (40.41%)	0.221	183.5 (47.53%)	183.5 (47.53%)	0.000
	Unspecified Obesity	452 (35.65%)	497 (40.74%)	-0.105	142.9 (37.02%)	142.9 (37.02%)	0.000
Diabetes complications							
	Diabetic nephropathy	344 (27.13%)	391 (32.05%)	-0.108	109.3 (28.31%)	109.3 (28.31%)	0.000
	Diabetic neuropathy	367 (28.94%)	421 (34.51%)	-0.120	117.3 (30.39%)	117.3 (30.39%)	0.000
	Diabetic retinopathy	134 (10.57%)	137 (11.23%)	-0.021	40.0 (10.35%)	40.0 (10.35%)	0.000
	Diabetes with other ophthalmic complications	34 (2.68%)	29 (2.38%)	0.019	10.4 (2.71%)	10.4 (2.71%)	0.000
	Diabetes with peripheral circulatory disorders	246 (19.40%)	213 (17.46%)	0.050	70.5 (18.26%)	70.5 (18.26%)	0.000
	Diabetic foot	56 (4.42%)	68 (5.57%)	-0.053	20.5 (5.32%)	20.5 (5.32%)	0.000
	Erectile dysfunction	65 (5.13%)	39 (3.20%)	0.097	16.4 (4.26%)	16.4 (4.26%)	0.000
	Hyperglycemia / DKA / HONK	769 (60.65%)	645 (52.87%)	0.157	222.9 (57.73%)	222.9 (57.73%)	0.000
	Hypoglycemia	216 (17.03%)	164 (13.44%)	0.100	59.8 (15.49%)	59.8 (15.49%)	0.000
	Skin infections	198 (15.62%)	203 (16.64%)	-0.028	62.1 (16.09%)	62.1 (16.09%)	0.000
Cardiovascular-related conditions							
	Angina	228 (17.98%)	168 (13.77%)	0.115	60.5 (15.67%)	60.5 (15.67%)	0.000
	Atrial fibrillation	291 (22.95%)	380 (31.15%)	-0.185	99.3 (25.71%)	99.3 (25.71%)	0.000
	Cardiac conduction disorder	116 (9.15%)	154 (12.62%)	-0.112	35.3 (9.14%)	35.3 (9.14%)	0.000
	Cardiomyopathy	89 (7.02%)	78 (6.39%)	0.025	26.6 (6.88%)	26.6 (6.88%)	0.000
	Cerebrovascular procedure	1 (0.08%)	3 (0.25%)	-0.041	0.4 (0.09%)	0.4 (0.09%)	0.000
	Coronary atherosclerosis	554 (43.69%)	560 (45.90%)	-0.044	161.5 (41.84%)	161.5 (41.84%)	0.000
	Edema	360 (28.39%)	369 (30.25%)	-0.041	109.6 (28.39%)	109.6 (28.39%)	0.000
	Hyperkalemia	59 (4.65%)	74 (6.07%)	-0.063	18.3 (4.75%)	18.3 (4.75%)	0.000
	Hyperlipidemia	1063 (83.83%)	1037 (85.00%)	-0.032	324.2 (83.98%)	324.2 (83.98%)	0.000
	Hypertension	1196 (94.32%)	1180 (96.72%)	-0.116	369.1 (95.60%)	369.1 (95.60%)	0.000
	Hypotension	71 (5.60%)	77 (6.31%)	-0.030	19.1 (4.95%)	19.1 (4.95%)	0.000
	Implantable cardioverter defibrillator	9 (0.71%)	5 (0.41%)	0.040	2.5 (0.65%)	2.5 (0.65%)	0.000
	Insertion of pacemakers / removal of cardiac lead	3 (0.24%)	6 (0.49%)	-0.042	1.0 (0.26%)	1.0 (0.26%)	0.000
	Ischemic stroke	26 (2.05%)	45 (3.69%)	-0.098	9.2 (2.37%)	9.2 (2.37%)	0.000
	Myocardial infarction	140 (11.04%)	118 (9.67%)	0.045	34.3 (8.88%)	34.3 (8.88%)	0.000
	Other cardiac dysrhythmia	464 (36.59%)	471 (38.61%)	-0.042	139.1 (36.04%)	139.1 (36.04%)	0.000
	Peripheral vascular disease diagnosis or surgery	163 (12.85%)	177 (14.51%)	-0.048	48.3 (12.52%)	48.3 (12.52%)	0.000
	Previous cardiac procedure (CABG, PTCA, Stent)	100 (7.89%)	64 (5.25%)	0.107	24.5 (6.34%)	24.5 (6.34%)	0.000
	Pulmonary hypertension	109 (8.60%)	86 (7.05%)	0.058	28.0 (7.26%)	28.0 (7.26%)	0.000
	Transient ischemic attack	24 (1.89%)	42 (3.44%)	-0.096	8.8 (2.27%)	8.8 (2.27%)	0.000
	Valve disorders	263 (20.74%)	287 (23.52%)	-0.067	88.2 (22.85%)	88.2 (22.85%)	0.000
	Venous thromboembolism	70 (5.52%)	58 (4.75%)	0.035	18.1 (4.70%)	18.1 (4.70%)	0.000
Renal-related conditions							
	Acute kidney injury	175 (13.80%)	218 (17.87%)	-0.112	53.5 (13.85%)	53.5 (13.85%)	0.000
	Chronic kidney disease stage 1-2	49 (3.86%)	75 (6.15%)	-0.105	18.0 (4.65%)	18.0 (4.65%)	0.000
	Chronic kidney disease stage 3-4	236 (18.61%)	303 (24.84%)	-0.151	80.5 (20.86%)	80.5 (20.86%)	0.000
	Unspecified chronic kidney disease	94 (7.41%)	126 (10.33%)	-0.103	30.6 (7.92%)	30.6 (7.92%)	0.000
	Hypertensive nephropathy	236 (18.61%)	304 (24.92%)	-0.153	80.2 (20.78%)	80.2 (20.78%)	0.000
	Urolithiasis (kidney and urinary stone)	65 (5.13%)	71 (5.82%)	-0.030	18.7 (4.84%)	18.7 (4.84%)	0.000
	Urinary tract infections	151 (11.91%)	219 (17.95%)	-0.170	52.1 (13.50%)	52.1 (13.50%)	0.000
	Genital infections	55 (4.34%)	59 (4.84%)	-0.024	19.6 (5.07%)	19.6 (5.07%)	0.000
Other comorbidities							
	Anemia	306 (24.13%)	368 (30.16%)	-0.136	97.8 (25.34%)	97.8 (25.34%)	0.000
	Asrhma	189 (14.91%)	179 (14.67%)	0.007	53.4 (13.84%)	53.4 (13.84%)	0.000
	Chronic obstructive pulmonary disease	232 (18.30%)	292 (23.93%)	-0.138	79.7 (20.64%)	79.7 (20.64%)	0.000
	Obstructive sleep apnea	700 (55.21%)	558 (45.74%)	0.190	199.4 (51.66%)	199.4 (51.66%)	0.000
	Serious bacterial infections	117 (9.23%)	145 (11.89%)	-0.087	35.8 (9.27%)	35.8 (9.27%)	0.000
	Pneumonia	151 (11.91%)	161 (13.20%)	-0.039	43.0 (11.15%)	43.0 (11.15%)	0.000
	Influenza	24 (1.89%)	31 (2.54%)	-0.044	8.1 (2.10%)	8.1 (2.10%)	0.000
	Delirium or psychosis	7 (0.55%)	13 (1.07%)	-0.057	3.1 (0.81%)	3.1 (0.81%)	0.000
	Dementia	36 (2.84%)	88 (7.21%)	-0.201	13.4 (3.48%)	13.4 (3.48%)	0.000

Depression	240 (18.93%)	248 (20.33%)	-0.035	70.9 (18.36%)	70.9 (18.36%)	0.000
Osteoporosis	30 (2.37%)	39 (3.20%)	-0.051	8.5 (2.20%)	8.5 (2.20%)	0.000
Fractures / Falls	53 (4.18%)	119 (9.75%)	-0.220	21.1 (5.45%)	21.1 (5.45%)	0.000
Hyperthyroidism and other thyroid gland disorders	338 (26.66%)	304 (24.92%)	0.040	93.2 (24.15%)	93.2 (24.15%)	0.000
Hypothyroidism	246 (19.40%)	250 (20.49%)	-0.027	73.2 (18.95%)	73.2 (18.95%)	0.000
Gastroparesis	11 (0.87%)	13 (1.07%)	-0.020	4.2 (1.09%)	4.2 (1.09%)	0.000
Bowel obstruction	3 (0.24%)	3 (0.25%)	-0.002	1.4 (0.35%)	1.4 (0.35%)	0.000
Liver disease	217 (17.11%)	210 (17.21%)	-0.003	66.8 (17.31%)	66.8 (17.31%)	0.000
MASH/MASLD	115 (9.07%)	79 (6.48%)	0.097	32.8 (8.49%)	32.8 (8.49%)	0.000
Pancreatitis	1 (0.08%)	1 (0.08%)	-0.001	0.1 (0.02%)	0.1 (0.02%)	0.000
Biliary disease	8 (0.63%)	11 (0.90%)	-0.031	2.4 (0.62%)	2.4 (0.62%)	0.000
Urinary incontinence	44 (3.47%)	90 (7.38%)	-0.173	17.4 (4.50%)	17.4 (4.50%)	0.000
Diabetes medications						
Metformin	787 (62.07%)	844 (69.18%)	-0.150	262.5 (67.99%)	262.5 (67.99%)	0.000
Insulins	558 (44.01%)	310 (25.41%)	0.398	134.5 (34.84%)	134.5 (34.84%)	0.000
Dipeptidyl peptidase-4 inhibitors	36 (2.84%)	91 (7.46%)	-0.210	19.3 (4.99%)	19.3 (4.99%)	0.000
Sulfonylureas	289 (22.79%)	476 (39.02%)	-0.357	121.9 (31.58%)	121.9 (31.58%)	0.000
Sodium-glucose cotransporter 2 inhibitors	410 (32.33%)	204 (16.72%)	0.369	96.6 (25.02%)	96.6 (25.02%)	0.000
Any other glucose-lowering agents	75 (5.91%)	98 (8.03%)	-0.083	30.7 (7.96%)	30.7 (7.96%)	0.000
Heart failure medications						
Angiotensin-converting enzyme inhibitors / Angiotensin II receptor blockers	912 (71.92%)	915 (75.00%)	-0.070	287.2 (74.38%)	287.2 (74.38%)	0.000
Angiotensin Receptor-Nepilysin Inhibitors	108 (8.52%)	59 (4.84%)	0.148	26.0 (6.74%)	26.0 (6.74%)	0.000
Beta-blockers	657 (51.81%)	649 (53.20%)	-0.028	198.3 (51.38%)	198.3 (51.38%)	0.000
Calcium channel blockers	526 (41.48%)	559 (45.82%)	-0.087	172.9 (44.80%)	172.9 (44.80%)	0.000
Digoxin / Digitoxin	33 (2.60%)	50 (4.10%)	-0.083	12.1 (3.13%)	12.1 (3.13%)	0.000
Loop diuretics	926 (73.03%)	903 (74.02%)	-0.022	277.8 (71.95%)	277.8 (71.95%)	0.000
Thiazides	476 (37.54%)	452 (37.05%)	0.010	147.8 (38.30%)	147.8 (38.30%)	0.000
Intravenous diuretics	88 (6.94%)	71 (5.82%)	0.046	22.0 (5.70%)	22.0 (5.70%)	0.000
Other diuretics	386 (30.44%)	305 (25.00%)	0.122	111.1 (28.79%)	111.1 (28.79%)	0.000
Nitrates	246 (19.40%)	223 (18.28%)	0.029	72.5 (18.79%)	72.5 (18.79%)	0.000
Other medications						
Anti-arrhythmics	85 (6.70%)	84 (6.89%)	-0.007	25.1 (6.50%)	25.1 (6.50%)	0.000
Anti-depressants	491 (38.72%)	429 (35.16%)	0.074	139.5 (36.14%)	139.5 (36.14%)	0.000
Antiplatelet agents	341 (26.89%)	263 (21.56%)	0.125	89.9 (23.30%)	89.9 (23.30%)	0.000
Antipsychotics	33 (2.60%)	48 (3.93%)	-0.075	12.1 (3.13%)	12.1 (3.13%)	0.000
Anxiolytics / hypnotics, benzos	318 (25.08%)	246 (20.16%)	0.118	86.3 (22.35%)	86.3 (22.35%)	0.000
COPD / Asthma medications	582 (45.90%)	538 (44.10%)	0.036	168.3 (43.60%)	168.3 (43.60%)	0.000
Laxatives	56 (4.42%)	54 (4.43%)	0.000	14.7 (3.80%)	14.7 (3.80%)	0.000
Nonsteroidal anti-inflammatory drugs	386 (30.44%)	360 (29.51%)	0.020	120.5 (31.22%)	120.5 (31.22%)	0.000
Opioids	478 (37.70%)	469 (38.44%)	-0.015	141.6 (36.67%)	141.6 (36.67%)	0.000
Oral anticoagulants	317 (25.00%)	381 (31.23%)	-0.139	106.7 (27.64%)	106.7 (27.64%)	0.000
Oral corticosteroids	436 (34.38%)	413 (33.85%)	0.011	126.0 (32.64%)	126.0 (32.64%)	0.000
Osteoporosis agents	15 (1.18%)	28 (2.30%)	-0.085	4.1 (1.06%)	4.1 (1.06%)	0.000
Statins	1007 (79.42%)	953 (78.11%)	0.032	299.3 (77.53%)	299.3 (77.53%)	0.000
PCSK9 inhibitors and other lipid-lowering drugs	204 (16.09%)	189 (15.49%)	0.016	60.2 (15.60%)	60.2 (15.60%)	0.000
Urinary tract infections antibiotics	654 (51.58%)	650 (53.28%)	-0.034	199.7 (51.74%)	199.7 (51.74%)	0.000
Healthcare utilization markers						
Number of office visits	12.88 ± 7.71 [11.00, 7.00-17.00]	12.23 ± 7.90 [11.00, 6.00-16.00]	0.084	12.43 ± 7.79 [11.00, 7.00-16.00]	12.43 ± 7.95 [11.00, 7.00-16.00]	0.000
Number of cardiologist visits	3.91 ± 5.00 [2.00, 1.00-5.00]	3.76 ± 4.78 [2.00, 0.00-5.00]	0.031	3.70 ± 4.81 [2.00, 1.00-5.00]	3.70 ± 4.52 [2.00, 1.00-5.00]	0.000
Number of endocrinologist visits	0.79 ± 1.83 [0.00, 0.00-1.00]	0.35 ± 1.14 [0.00, 0.00-0.00]	0.293	0.54 ± 1.30 [0.00, 0.00-0.00]	0.54 ± 1.45 [0.00, 0.00-0.00]	0.000
Number of internal/family medicine visits	7.56 ± 9.21 [5.00, 3.00-10.00]	9.82 ± 10.05 [7.00, 3.00-13.00]	-0.234	7.96 ± 10.49 [6.00, 3.00-10.00]	7.96 ± 8.06 [6.00, 3.00-10.00]	0.000
Number of emergency department visits	1.39 ± 2.16 [1.00, 0.00-2.00]	1.62 ± 2.73 [1.00, 0.00-2.00]	-0.093	1.33 ± 2.09 [1.00, 0.00-2.00]	1.33 ± 2.02 [1.00, 0.00-2.00]	0.000
Number of echocardiograms	1.84 ± 4.87 [1.00, 0.00-1.00]	1.82 ± 3.49 [1.00, 0.00-2.00]	0.004	1.76 ± 5.33 [1.00, 0.00-1.00]	1.76 ± 3.50 [1.00, 0.00-1.00]	0.000
Number electrocardiograms	3.44 ± 5.89 [2.00, 1.00-4.00]	3.67 ± 5.05 [2.00, 1.00-5.00]	-0.043	3.29 ± 6.08 [2.00, 1.00-4.00]	3.29 ± 4.59 [2.00, 1.00-4.00]	0.000
Number of distinct medications	18.57 ± 7.30 [17.00, 13.00-23.00]	17.49 ± 6.77 [17.00, 13.00-21.00]	0.155	17.79 ± 6.84 [17.00, 13.00-22.00]	17.79 ± 7.09 [17.00, 13.00-22.00]	0.000
Out-of-pocket medication cost	738.15 ± 1003.66 [459.26, 211.15-912.65]	574.06 ± 679.56 [398.25, 210.71-739.67]	0.191	660.54 ± 812.29 [426.52, 203.20-826.64]	660.54 ± 847.49 [432.48, 191.08-848.58]	0.000
Number of unique brand medications*	19.01 ± 7.57 [18.00, 14.00-23.00]	17.94 ± 7.10 [17.00, 13.00-22.00]	0.145	18.20 ± 7.07 [17.00, 13.00-22.00]	18.23 ± 7.45 [17.00, 13.00-22.00]	-0.004
Number of unique generic medications*	18.57 ± 7.30 [17.00, 13.00-23.00]	17.49 ± 6.77 [17.00, 13.00-21.00]	0.155	17.79 ± 6.84 [17.00, 13.00-22.00]	17.79 ± 7.09 [17.00, 13.00-22.00]	0.000
Ratio of brand to generic medications	1.02 ± 0.04 [1.00, 1.00-1.04]	1.02 ± 0.05 [1.00, 1.00-1.05]	-0.046	1.02 ± 0.04 [1.00, 1.00-1.04]	1.02 ± 0.05 [1.00, 1.00-1.04]	0.000
Healthy behavior markers						
Colonoscopy, Sigmoidoscopy	125 (9.86%)	105 (8.61%)	0.043	37.2 (9.65%)	37.2 (9.65%)	0.000
Bone mineral density tests	51 (4.02%)	53 (4.34%)	-0.016	14.1 (3.64%)	14.1 (3.64%)	0.000
Fecal occult blood test	39 (3.08%)	66 (5.41%)	-0.116	14.2 (3.67%)	14.2 (3.67%)	0.000
Flu vaccine / Pneumococcal vaccine	435 (34.31%)	487 (39.92%)	-0.116	138.5 (35.88%)	138.5 (35.88%)	0.000
Mammograms	255 (20.11%)	177 (14.51%)	0.148	68.3 (17.70%)	68.3 (17.70%)	0.000
PSA test	252 (19.87%)	206 (16.89%)	0.077	74.4 (19.27%)	74.4 (19.27%)	0.000
Pap smear	104 (8.20%)	49 (4.02%)	0.175	21.6 (5.60%)	21.6 (5.60%)	0.000
Laboratory and diagnostic tests						
Number of HbA1c tests	2.42 ± 1.82 [2.00, 1.00-3.00]	2.01 ± 1.96 [2.00, 1.00-3.00]	0.216	2.26 ± 1.70 [2.00, 1.00-3.00]	2.26 ± 2.05 [2.00, 1.00-3.00]	0.000
Number of creatinine tests	3.85 ± 4.43 [3.00, 1.00-5.00]	3.31 ± 3.69 [2.00, 1.00-4.00]	0.131	3.54 ± 3.90 [3.00, 1.00-5.00]	3.54 ± 3.77 [3.00, 1.00-5.00]	0.000
Number of urine tests	1.29 ± 2.25 [1.00, 0.00-2.00]	1.27 ± 2.14 [1.00, 0.00-2.00]	0.009	1.26 ± 2.02 [1.00, 0.00-2.00]	1.26 ± 2.15 [1.00, 0.00-2.00]	0.000

Number of lipid panels	158 ± 1.44 [1.00, 1.00-2.00]	144 ± 1.56 [1.00, 0.00-2.00]	0.097	155 ± 1.45 [1.00, 1.00-2.00]	155 ± 1.41 [1.00, 1.00-2.00]	0.000
Burden of comorbidities						
Combined comorbidity index (CCI)	4.28 ± 1.91 [4.00, 3.00-5.00]	4.80 ± 2.26 [4.00, 3.00-6.00]	-0.252	4.35 ± 1.94 [4.00, 3.00-6.00]	4.35 ± 2.05 [4.00, 3.00-6.00]	0.000
Frailty score	0.20 ± 0.05 [0.19, 0.16-0.22]	0.21 ± 0.06 [0.20, 0.17-0.25]	-0.325	0.20 ± 0.05 [0.19, 0.16-0.22]	0.20 ± 0.05 [0.19, 0.16-0.22]	0.000
Baseline hospitalizations and hospital metrics						
Number of any hospitalization	0.41 ± 0.69 [0.00, 0.00-1.00]	0.48 ± 0.76 [0.00, 0.00-1.00]	-0.087	0.40 ± 0.68 [0.00, 0.00-1.00]	0.40 ± 0.68 [0.00, 0.00-1.00]	0.000
Number of heart failure hospitalizations						
Zero	1203 (94.87%)	1138 (93.28%)	0.068	365.9 (94.78%)	365.9 (94.78%)	0.000
One	61 (4.81%)	75 (6.15%)	-0.059	19.3 (5.00%)	19.3 (5.00%)	0.000
Two or more	4 (0.32%)	7 (0.57%)	-0.039	0.9 (0.23%)	0.9 (0.23%)	0.000
Number of other hospitalizations						
Zero	863 (68.06%)	792 (64.92%)	0.067	265.5 (68.78%)	265.5 (68.78%)	0.000
One	310 (24.45%)	305 (25.00%)	-0.013	93.6 (24.25%)	93.6 (24.25%)	0.000
Two or more	95 (7.49%)	123 (10.08%)	-0.092	26.9 (6.97%)	26.9 (6.97%)	0.000
Calendar year of cohort entry						
2018	43 (3.39%)	268 (21.97%)	-0.581	28.7 (7.44%)	28.7 (7.44%)	0.000
2019	173 (13.64%)	308 (25.25%)	-0.296	78.5 (20.33%)	78.5 (20.33%)	0.000
2020	195 (15.38%)	257 (21.07%)	-0.148	76.8 (19.88%)	76.8 (19.88%)	0.000
2021	333 (26.26%)	229 (18.77%)	0.180	102.9 (26.66%)	102.9 (26.66%)	0.000
2022	524 (41.32%)	158 (12.95%)	0.673	99.1 (25.68%)	99.1 (25.68%)	0.000

* Not used in the PS model

Appendix 7. Balance Assessment - Table 1

Medicare	Variable	Exposure	Referent	SMD	Weighted Exposure	Weighted Referent	Weighted SMD
Demographics							
Age		72.82 ± 5.46 [72.00, 68.00-76.00]	76.04 ± 6.81 [75.00, 71.00-81.00]	-0.522	73.62 ± 5.70 [73.00, 69.00-77.00]	73.62 ± 5.85 [73.00, 69.00-77.00]	0.000
Gender (male)		794 (49.78%)	2236 (39.12%)	0.216	413.1 (46.05%)	413.1 (46.05%)	0.000
Race							
White		1325 (83.07%)	4543 (79.48%)	0.092	735.4 (81.96%)	735.4 (81.96%)	0.000
Black		157 (9.84%)	770 (13.47%)	-0.113	98.8 (11.02%)	98.8 (11.02%)	0.000
Other		67 (4.20%)	252 (4.41%)	-0.010	39.2 (4.37%)	39.2 (4.37%)	0.000
Unknown / Missing		46 (2.88%)	151 (2.64%)	0.015	23.8 (2.65%)	23.8 (2.65%)	0.000
Region / State							
Midwest / North central		438 (27.46%)	1417 (24.79%)	0.061	236.9 (26.40%)	236.9 (26.40%)	0.000
Northest		232 (14.55%)	1016 (17.77%)	-0.088	133.6 (14.90%)	133.6 (14.90%)	0.000
South		719 (45.08%)	2467 (43.16%)	0.039	401.4 (44.74%)	401.4 (44.74%)	0.000
West		206 (12.92%)	810 (14.17%)	-0.037	125.3 (13.96%)	125.3 (13.96%)	0.000
Dual status/Low income subsidy		522 (32.73%)	2198 (38.45%)	-0.120	323.4 (36.05%)	323.4 (36.05%)	0.000
Lifestyle risk factors							
Smoking / Tobacco use		637 (39.94%)	2219 (38.82%)	0.023	353.2 (39.37%)	353.2 (39.37%)	0.000
Class 1 Obesity (30.0-34.9)		103 (6.46%)	544 (9.52%)	-0.113	66.5 (7.41%)	66.5 (7.41%)	0.000
Class 2 Obesity (35.0-39.9)		92 (5.77%)	310 (5.42%)	0.015	53.7 (5.98%)	53.7 (5.98%)	0.000
Class 3 Obesity (40.0 and above)		736 (46.14%)	1992 (34.85%)	0.232	379.2 (42.26%)	379.2 (42.26%)	0.000
Unspecified Obesity		664 (41.63%)	2870 (50.21%)	-0.173	397.9 (44.35%)	397.9 (44.35%)	0.000
Diabetes complications							
Diabetic nephropathy		787 (49.34%)	2519 (44.07%)	0.106	421.4 (46.97%)	421.4 (46.97%)	0.000
Diabetic neuropathy		749 (46.96%)	2154 (37.68%)	0.189	384.7 (42.88%)	384.7 (42.88%)	0.000
Diabetic retinopathy		268 (16.80%)	609 (10.65%)	0.179	127.4 (14.20%)	127.4 (14.20%)	0.000
Diabetes with other ophthalmic complications		50 (3.13%)	159 (2.78%)	0.021	27.0 (3.01%)	27.0 (3.01%)	0.000
Diabetes with peripheral circulatory disorders		384 (24.08%)	1110 (19.42%)	0.113	199.2 (22.20%)	199.2 (22.20%)	0.000
Diabetic foot		109 (6.83%)	424 (7.42%)	-0.023	61.1 (6.81%)	61.1 (6.81%)	0.000
Erectile dysfunction		30 (1.88%)	76 (1.33%)	0.044	15.3 (1.71%)	15.3 (1.71%)	0.000
Hyperglycemia / DKA / HONK		975 (61.13%)	2940 (51.43%)	0.196	509.4 (56.78%)	509.4 (56.78%)	0.000
Hypoglycemia		248 (15.55%)	729 (12.75%)	0.080	129.2 (14.41%)	129.2 (14.41%)	0.000
Skin infections		317 (19.87%)	1200 (20.99%)	-0.028	177.0 (19.73%)	177.0 (19.73%)	0.000
Cardiovascular-related conditions							
Angina		295 (18.50%)	866 (15.15%)	0.089	153.0 (17.06%)	153.0 (17.06%)	0.000
Atrial fibrillation		608 (38.12%)	2481 (43.40%)	-0.108	351.6 (39.19%)	351.6 (39.19%)	0.000
Cardiac conduction disorder		257 (16.11%)	907 (15.87%)	0.007	140.8 (15.70%)	140.8 (15.70%)	0.000
Cardiomyopathy		127 (7.96%)	436 (7.63%)	0.012	67.6 (7.53%)	67.6 (7.53%)	0.000
Cerebrovascular procedure		9 (0.56%)	29 (0.51%)	0.008	4.3 (0.48%)	4.3 (0.48%)	0.000
Coronary atherosclerosis		932 (58.43%)	3182 (55.67%)	0.056	511.4 (57.01%)	511.4 (57.01%)	0.000
Edema		534 (33.48%)	2080 (36.39%)	-0.061	302.8 (33.76%)	302.8 (33.76%)	0.000
Hyperkalemia		43 (2.70%)	230 (4.02%)	-0.074	26.2 (2.93%)	26.2 (2.93%)	0.000
Hyperlipidemia		1337 (83.82%)	4716 (82.51%)	0.035	743.9 (82.92%)	743.9 (82.92%)	0.000
Hypertension		1545 (96.87%)	5540 (96.92%)	-0.003	868.6 (96.81%)	868.6 (96.81%)	0.000
Hypotension		122 (7.65%)	524 (9.17%)	-0.055	73.1 (8.15%)	73.1 (8.15%)	0.000
Implantable cardioverter defibrillator		19 (1.19%)	42 (0.73%)	0.047	9.6 (1.07%)	9.6 (1.07%)	0.000
Insertion of pacemakers / removal of cardiac lead		18 (1.13%)	86 (1.50%)	-0.033	10.4 (1.16%)	10.4 (1.16%)	0.000
Ischemic stroke		39 (2.45%)	218 (3.81%)	-0.079	21.7 (2.42%)	21.7 (2.42%)	0.000
Myocardial infarction		308 (19.31%)	1066 (18.65%)	0.017	168.4 (18.77%)	168.4 (18.77%)	0.000
Other cardiac dysrhythmia		605 (37.93%)	2371 (41.48%)	-0.073	343.8 (38.32%)	343.8 (38.32%)	0.000
Peripheral vascular disease diagnosis or surgery		332 (20.82%)	1170 (20.47%)	0.009	186.8 (20.82%)	186.8 (20.82%)	0.000
Previous cardiac procedure (CABG, PTCA, Stent)		113 (7.08%)	312 (5.46%)	0.067	56.3 (6.27%)	56.3 (6.27%)	0.000
Pulmonary hypertension		172 (10.78%)	706 (12.35%)	-0.049	104.3 (11.63%)	104.3 (11.63%)	0.000
Transient ischemic attack		40 (2.51%)	196 (3.43%)	-0.054	23.7 (2.65%)	23.7 (2.65%)	0.000
Valve disorders		396 (24.83%)	1596 (27.92%)	-0.070	223.9 (24.95%)	223.9 (24.95%)	0.000
Venous thromboembolism		75 (4.70%)	349 (6.11%)	-0.062	45.5 (5.07%)	45.5 (5.07%)	0.000
Renal-related conditions							
Acute kidney injury		397 (24.89%)	1624 (28.41%)	-0.080	227.6 (25.37%)	227.6 (25.37%)	0.000
Chronic kidney disease stage 1-2		109 (6.83%)	327 (5.72%)	0.046	56.9 (6.34%)	56.9 (6.34%)	0.000
Chronic kidney disease stage 3-4		664 (41.63%)	2212 (38.70%)	0.060	360.7 (40.20%)	360.7 (40.20%)	0.000
Unspecified chronic kidney disease		353 (22.13%)	1223 (21.40%)	0.018	192.7 (21.47%)	192.7 (21.47%)	0.000
Hypertensive nephropathy		664 (41.63%)	2238 (39.15%)	0.050	361.4 (40.29%)	361.4 (40.29%)	0.000
Urolithiasis (kidney and urinary stone)		86 (5.39%)	278 (4.86%)	0.024	44.9 (5.01%)	44.9 (5.01%)	0.000
Urinary tract infections		390 (24.45%)	1823 (31.89%)	-0.166	231.4 (25.80%)	231.4 (25.80%)	0.000
Genital infections		47 (2.95%)	185 (3.24%)	-0.017	26.9 (3.00%)	26.9 (3.00%)	0.000
Other comorbidities							
Anemia		604 (37.87%)	2510 (43.91%)	-0.123	346.8 (38.66%)	346.8 (38.66%)	0.000
Asthma		227 (14.23%)	893 (15.62%)	-0.039	133.8 (14.92%)	133.8 (14.92%)	0.000
Chronic obstructive pulmonary disease		571 (35.80%)	2144 (37.51%)	-0.035	333.4 (37.17%)	333.4 (37.17%)	0.000
Obstructive sleep apnea		808 (50.66%)	2091 (36.58%)	0.287	413.8 (46.12%)	413.8 (46.12%)	0.000
Serious bacterial infections		181 (11.35%)	869 (15.20%)	-0.114	111.6 (12.44%)	111.6 (12.44%)	0.000
Pneumonia		234 (14.67%)	1045 (18.28%)	-0.097	144.7 (16.12%)	144.7 (16.12%)	0.000
Influenza		45 (2.82%)	222 (3.88%)	-0.059	29.5 (3.29%)	29.5 (3.29%)	0.000
Delirium or psychosis		27 (1.69%)	156 (2.73%)	-0.071	16.6 (1.85%)	16.6 (1.85%)	0.000
Dementia		132 (8.28%)	825 (14.43%)	-0.195	84.1 (9.37%)	84.1 (9.37%)	0.000
Depression		397 (24.89%)	1474 (25.79%)	-0.021	225.8 (25.17%)	225.8 (25.17%)	0.000
Osteoporosis		103 (6.46%)	461 (8.07%)	-0.062	59.6 (6.65%)	59.6 (6.65%)	0.000

Fractures / Falls	97 (6.08%)	364 (6.37%)	-0.012	51.4 (5.73%)	51.4 (5.73%)	0.000
Hyperthyroidism and other thyroid gland disorders	516 (32.35%)	1922 (33.62%)	-0.027	291.4 (32.48%)	291.4 (32.48%)	0.000
Hypothyroidism	427 (26.77%)	1645 (28.78%)	-0.045	242.5 (27.03%)	242.5 (27.03%)	0.000
Gastroparesis	18 (1.13%)	64 (1.12%)	0.001	10.0 (1.12%)	10.0 (1.12%)	0.000
Bowel obstruction	2 (0.13%)	26 (0.45%)	-0.061	1.6 (0.18%)	1.6 (0.18%)	0.000
Liver disease	216 (13.54%)	700 (12.25%)	0.039	114.5 (12.76%)	114.5 (12.76%)	0.000
MASH/MASLD	102 (6.39%)	271 (4.74%)	0.072	51.1 (5.69%)	51.1 (5.69%)	0.000
Pancreatitis	2 (0.13%)	4 (0.07%)	0.018	1.3 (0.15%)	1.3 (0.15%)	0.000
Biliary disease	6 (0.38%)	31 (0.54%)	-0.025	3.9 (0.43%)	3.9 (0.43%)	0.000
Urinary incontinence	138 (8.65%)	534 (9.34%)	-0.024	77.3 (8.62%)	77.3 (8.62%)	0.000
Diabetes medications						
Metformin	835 (52.35%)	3448 (60.32%)	-0.161	506.6 (56.47%)	506.6 (56.47%)	0.000
Insulins	998 (62.57%)	2052 (35.90%)	0.553	479.7 (53.47%)	479.7 (53.47%)	0.000
Dipeptidyl peptidase-4 inhibitors	134 (8.40%)	410 (7.17%)	0.046	77.0 (8.58%)	77.0 (8.58%)	0.000
Sulfonylureas	507 (31.79%)	2463 (43.09%)	-0.235	331.9 (36.99%)	331.9 (36.99%)	0.000
Sodium-glucose cotransporter 2 inhibitors	281 (17.62%)	406 (7.10%)	0.324	124.5 (13.88%)	124.5 (13.88%)	0.000
Any other glucose-lowering agents	145 (9.09%)	580 (10.15%)	-0.036	86.6 (9.66%)	86.6 (9.66%)	0.000
Heart failure medications						
Angiotensin-converting enzyme inhibitors / Angiotensin II receptor blockers	1222 (76.61%)	4223 (73.88%)	0.063	681.0 (75.90%)	681.0 (75.90%)	0.000
Angiotensin Receptor-Nephrilysin Inhibitors	61 (3.82%)	148 (2.59%)	0.070	30.8 (3.43%)	30.8 (3.43%)	0.000
Beta-blockers	943 (59.12%)	3345 (58.52%)	0.012	530.0 (59.08%)	530.0 (59.08%)	0.000
Calcium channel blockers	759 (47.59%)	2679 (46.87%)	0.014	423.0 (47.15%)	423.0 (47.15%)	0.000
Digoxin / Digitoxin	78 (4.89%)	351 (6.14%)	-0.055	45.9 (5.11%)	45.9 (5.11%)	0.000
Loop diuretics	1396 (87.52%)	5002 (87.51%)	0.000	781.1 (87.06%)	781.1 (87.06%)	0.000
Thiazides	564 (35.36%)	1947 (34.06%)	0.027	318.2 (35.47%)	318.2 (35.47%)	0.000
Intravenous diuretics	159 (9.97%)	619 (10.83%)	-0.028	91.5 (10.19%)	91.5 (10.19%)	0.000
Other diuretics	438 (27.46%)	1344 (23.51%)	0.091	226.8 (25.29%)	226.8 (25.29%)	0.000
Nitrates	439 (27.52%)	1332 (23.30%)	0.097	232.1 (25.67%)	232.1 (25.67%)	0.000
Other medications						
Anti-arrhythmics	136 (8.53%)	521 (9.11%)	-0.021	78.7 (8.77%)	78.7 (8.77%)	0.000
Anti-depressants	755 (47.34%)	2474 (43.28%)	0.081	416.8 (46.46%)	416.8 (46.46%)	0.000
Antiplatelet agents	429 (26.90%)	1360 (23.79%)	0.071	230.0 (25.63%)	230.0 (25.63%)	0.000
Antipsychotics	74 (4.64%)	280 (4.90%)	-0.012	40.2 (4.48%)	40.2 (4.48%)	0.000
Anxiolytics/hypnotics, benzos	433 (27.15%)	1401 (24.51%)	0.060	235.9 (26.30%)	235.9 (26.30%)	0.000
COPD / Asthma medications	807 (50.60%)	2813 (49.21%)	0.028	456.0 (50.83%)	456.0 (50.83%)	0.000
Laxatives	109 (6.83%)	520 (9.10%)	-0.084	64.9 (7.23%)	64.9 (7.23%)	0.000
Nonsteroidal anti-inflammatory drugs	447 (28.03%)	1557 (27.24%)	0.018	254.8 (28.40%)	254.8 (28.40%)	0.000
Opioids	804 (50.41%)	2660 (46.54%)	0.078	434.2 (48.39%)	434.2 (48.39%)	0.000
Oral anticoagulants	594 (37.24%)	2220 (38.84%)	-0.033	334.9 (37.33%)	334.9 (37.33%)	0.000
Oral corticosteroids	592 (37.12%)	2093 (36.62%)	0.010	332.2 (37.02%)	332.2 (37.02%)	0.000
Osteoporosis agents	46 (2.88%)	261 (4.57%)	-0.089	31.5 (3.51%)	31.5 (3.51%)	0.000
Statins	1375 (86.21%)	4686 (81.98%)	0.116	766.1 (85.39%)	766.1 (85.39%)	0.000
PCSK9 inhibitors and other lipid-lowering drugs	289 (18.12%)	770 (13.47%)	0.128	146.6 (16.35%)	146.6 (16.35%)	0.000
Urinary tract infections antibiotics	1019 (63.89%)	3697 (64.68%)	-0.017	569.6 (63.49%)	569.6 (63.49%)	0.000
Healthcare utilization markers						
Number of office visits	16.35 ± 9.41 [15.00, 10.00-22.00]	13.83 ± 9.07 [13.00, 8.00-19.00]	0.273	15.33 ± 8.73 [14.00, 9.00-21.00]	15.33 ± 9.96 [14.00, 8.00-21.00]	0.000
Number of cardiologist visits	3.80 ± 4.63 [3.00, 1.00-5.00]	3.97 ± 4.64 [3.00, 1.00-6.00]	-0.038	3.74 ± 4.53 [2.00, 1.00-5.00]	3.74 ± 4.43 [2.00, 1.00-5.00]	0.000
Number of endocrinologist visits	1.04 ± 2.33 [0.00, 0.00-1.00]	0.36 ± 1.23 [0.00, 0.00-0.00]	0.366	0.66 ± 1.52 [0.00, 0.00-0.00]	0.66 ± 1.82 [0.00, 0.00-0.00]	0.000
Number of internal/family medicine visits	8.70 ± 8.43 [7.00, 3.00-11.00]	9.90 ± 9.58 [7.00, 4.00-13.00]	-0.133	8.91 ± 8.79 [7.00, 3.00-12.00]	8.91 ± 8.50 [7.00, 3.00-12.00]	0.000
Number of emergency department visits	1.61 ± 2.01 [1.00, 0.00-2.00]	2.02 ± 2.48 [1.00, 0.00-3.00]	-0.179	1.71 ± 2.16 [1.00, 0.00-2.00]	1.71 ± 2.15 [1.00, 0.00-2.00]	0.000
Number of echocardiograms	0.98 ± 1.42 [1.00, 0.00-1.00]	1.03 ± 1.45 [1.00, 0.00-1.00]	-0.037	0.97 ± 1.37 [1.00, 0.00-1.00]	0.97 ± 1.54 [1.00, 0.00-1.00]	0.000
Number electrocardiograms	3.01 ± 3.70 [2.00, 1.00-4.00]	3.35 ± 5.07 [2.00, 1.00-4.00]	-0.077	3.03 ± 3.74 [2.00, 1.00-4.00]	3.03 ± 4.08 [2.00, 1.00-4.00]	0.000
Number of distinct medications	20.54 ± 7.04 [20.00, 16.00-24.00]	18.91 ± 7.02 [18.00, 14.00-23.00]	0.233	19.95 ± 6.91 [19.00, 15.00-24.00]	19.95 ± 7.25 [19.00, 15.00-24.00]	0.000
Out-of-pocket medication cost	1188.79 ± 1523.51 [814.31, 138.57-1988.78]	803.06 ± 938.40 [479.53, 87.22-1211.10]	0.305	992.57 ± 1047.48 [648.44, 117.52-1638.00]	992.57 ± 1075.48 [671.48, 105.91-1575.20]	0.000
Number of unique brand medications*	21.12 ± 7.41 [20.00, 16.00-25.00]	19.41 ± 7.36 [19.00, 14.00-24.00]	0.231	20.50 ± 7.27 [19.00, 15.00-25.00]	20.51 ± 7.65 [20.00, 15.00-25.00]	-0.002
Number of unique generic medications*	20.54 ± 7.04 [20.00, 16.00-24.00]	18.91 ± 7.02 [18.00, 14.00-23.00]	0.233	19.95 ± 6.91 [19.00, 15.00-24.00]	19.95 ± 7.25 [19.00, 15.00-24.00]	0.000
Ratio of brand to generic medications	1.03 ± 0.04 [1.00, 1.00-1.05]	1.02 ± 0.04 [1.00, 1.00-1.05]	0.033	1.03 ± 0.04 [1.00, 1.00-1.05]	1.03 ± 0.04 [1.00, 1.00-1.05]	0.000
Healthy behavior markers						
Colonoscopy, Sigmoidoscopy	165 (10.34%)	446 (7.80%)	0.089	85.9 (9.57%)	85.9 (9.57%)	0.000
Bone mineral density tests	114 (7.15%)	353 (6.18%)	0.039	61.2 (6.82%)	61.2 (6.82%)	0.000
Fecal occult blood test	76 (4.76%)	341 (5.97%)	-0.053	45.8 (5.10%)	45.8 (5.10%)	0.000
Flu vaccine / Pneumococcal vaccine	1093 (68.53%)	3573 (62.51%)	0.127	595.7 (66.40%)	595.7 (66.40%)	0.000
Mammograms	264 (16.55%)	828 (14.49%)	0.057	144.2 (16.08%)	144.2 (16.08%)	0.000
PSA test	344 (21.57%)	883 (15.45%)	0.158	170.7 (19.02%)	170.7 (19.02%)	0.000
Pap smear	32 (2.01%)	125 (2.19%)	-0.013	17.0 (1.90%)	17.0 (1.90%)	0.000
Laboratory and diagnostic tests						
Number of HbA1c tests	3.31 ± 3.11 [3.00, 2.00-4.00]	2.90 ± 3.62 [3.00, 2.00-4.00]	0.124	3.19 ± 3.22 [3.00, 2.00-4.00]	3.19 ± 5.09 [3.00, 2.00-4.00]	0.000
Number of creatinine tests	6.78 ± 9.57 [5.00, 3.00-8.00]	6.36 ± 7.56 [5.00, 3.00-8.00]	0.049	6.68 ± 9.50 [5.00, 3.00-8.00]	6.68 ± 10.58 [5.00, 3.00-8.00]	0.000
Number of urine tests	2.17 ± 4.34 [1.00, 0.00-3.00]	2.15 ± 3.31 [1.00, 0.00-3.00]	0.006	2.12 ± 3.99 [1.00, 0.00-3.00]	2.12 ± 3.77 [1.00, 0.00-3.00]	0.000
Number of lipid panels	1.94 ± 2.44 [2.00, 1.00-3.00]	1.86 ± 2.66 [2.00, 1.00-3.00]	0.031	1.95 ± 2.78 [2.00, 1.00-3.00]	1.95 ± 3.50 [2.00, 1.00-3.00]	0.000
Burden of comorbidities						
Combined comorbidity index (CCI)	5.55 ± 2.18 [5.00, 4.00-7.00]	5.77 ± 2.45 [6.00, 4.00-7.00]	-0.095	5.57 ± 2.26 [5.00, 4.00-7.00]	5.57 ± 2.29 [5.00, 4.00-7.00]	0.000
Fratility score	0.27 ± 0.07 [0.25, 0.22-0.30]	0.28 ± 0.08 [0.26, 0.22-0.32]	-0.170	0.27 ± 0.07 [0.25, 0.21-0.31]	0.27 ± 0.07 [0.26, 0.21-0.31]	0.000
Baseline hospitalizations and hospital metrics						
Number of any hospitalization	0.70 ± 1.04 [0.00, 0.00-1.00]	0.95 ± 1.22 [1.00, 0.00-1.00]	-0.219	0.75 ± 1.11 [0.00, 0.00-1.00]	0.75 ± 1.07 [0.00, 0.00-1.00]	0.000
Number of heart failure hospitalizations						
Zero	1430 (89.66%)	4927 (86.20%)	0.106	797.4 (88.88%)	797.4 (88.88%)	0.000
One	148 (9.28%)	694 (12.14%)	-0.093	88.3 (9.84%)	88.3 (9.84%)	0.000
Two or more	17 (1.07%)	95 (1.66%)	-0.051	11.5 (1.28%)	11.5 (1.28%)	0.000

Number of other hospitalizations						
Zero	881 (55.24%)	2655 (46.45%)	0.176	480.4 (53.55%)	480.4 (53.55%)	0.000
One	464 (29.09%)	1727 (30.21%)	-0.025	263.3 (29.34%)	263.3 (29.34%)	0.000
Two or more	250 (15.67%)	1334 (23.34%)	-0.194	153.5 (17.11%)	153.5 (17.11%)	0.000
Calendar year of cohort entry						
2018	101 (6.33%)	2049 (35.85%)	-0.776	88.3 (9.85%)	88.3 (9.85%)	0.000
2019	583 (36.55%)	2015 (35.25%)	0.027	355.1 (39.58%)	355.1 (39.58%)	0.000
2020	911 (57.12%)	1652 (28.90%)	0.594	453.7 (50.57%)	453.7 (50.57%)	0.000

* Not used in the PS model

**Emulation of the STEP-HFpEF DM Heart Failure Trial in Healthcare
Claims Data**

RELAXED CRITERIA

Appendices

- 1 Target Trial Framework, Operational Definitions and Data Fitness Assessment
- 2 Code algorithms
 - 2a Exposure
 - 2b Inclusion
 - 2c Exclusion
 - 2d Outcome
 - 2e Algorithm sources
- 3 Flowchart for cohort assembly
- 4 1st feasibility assessment
- 5 2nd feasibility assessment
- 6 Balance Assessment - PS Distribution and C-Statistic
- 7 Balance Assessment - Table 1

STEP-HFpEF DM (relaxed eligibility criteria)		OPTUM	Marketscan	CMS	Notes
Treatment assignment (time 0, index date)		Non-randomized initiation of treatment Semaglutide vs Sitagliptin (first eligible entry to study population) Code type: RX Care setting: N/A Diagnosis position: N/A Assessment window: [183, -1] Incident with respect to: Semaglutide in any formulation or dose Assessment window: N/A Source of algorithm: N/A Measurement characteristics: N/A	Non-randomized initiation of treatment Semaglutide vs Sitagliptin (first eligible entry to study population) Code type: RX Care setting: N/A Diagnosis position: N/A Assessment window: [183, -1] Incident with respect to: Sitagliptin in any formulation or dose Assessment window: N/A Source of algorithm: N/A Measurement characteristics: N/A	Non-randomized initiation of treatment Semaglutide vs Sitagliptin (first eligible entry to study population) Code type: RX Care setting: N/A Diagnosis position: N/A Assessment window: [183, -1] Incident with respect to: Sitagliptin in any formulation or dose Assessment window: N/A Source of algorithm: N/A Measurement characteristics: N/A	
Exposure	Semaglutide 2.4 mg subcutaneously once per week				
Comparator	Placebo				
Primary Outcome	All-cause mortality or heart failure hospitalization	Code type: DX, PX Care setting: Inpatient for heart failure, outpatient for i.v. diuretics, any for death Diagnosis position: Primary Assessment window: [365, 0] Source of algorithm: PROMISE Team, Validation studies, (Investigator reviewed codes) Measurement characteristics: Death includes information from the inpatient discharged dead status, social security death master file, and deaths scripted from obituaries or other sources. PPV for HF diagnosis using ICD-10 codes was 98% in a national Medicare sample. https://pubmed.ncbi.nlm.nih.gov/36688301/	Code type: DX, PX Care setting: Inpatient for heart failure, outpatient for i.v. diuretics, any for death Diagnosis position: Primary Assessment window: [365, 0] Source of algorithm: PROMISE Team, Validation studies, (Investigator reviewed codes) Measurement characteristics: Death includes information from the inpatient discharged dead status and social security death master file. PPV for HF diagnosis using ICD-10 codes was 98% in a national Medicare sample. https://pubmed.ncbi.nlm.nih.gov/36688301/	Code type: DX, PX Care setting: Inpatient for heart failure, outpatient for i.v. diuretics, any for death Diagnosis position: Primary Assessment window: [365, 0] Source of algorithm: PROMISE Team, Validation studies, (Investigator reviewed codes) Measurement characteristics: Death includes information from the inpatient discharged dead status, NDI cause of death, and social security death master file. PPV for HF diagnosis using ICD-10 codes was 98% in a national Medicare sample. https://pubmed.ncbi.nlm.nih.gov/36688301/	
Secondary outcome Follow-up start	All-cause mortality or a worsening heart failure event (exacerbated symptoms of heart failure resulting in hospitalization, intravenous diuretic therapy in an urgent care setting) Randomization date	Code type: DX, PX Care setting: Inpatient for heart failure, outpatient for i.v. diuretics, any for death Diagnosis position: Primary Assessment window: [365, 0] Source of algorithm: PROMISE Team, Validation studies, (Investigator reviewed codes) Measurement characteristics: Death includes information from the inpatient discharged dead status, social security death master file, and deaths scripted from obituaries or other sources. PPV for HF diagnosis using ICD-10 codes was 98% in a national Medicare sample. https://pubmed.ncbi.nlm.nih.gov/36688301/	Code type: DX, PX Care setting: Inpatient for heart failure, outpatient for i.v. diuretics, any for death Diagnosis position: Primary Assessment window: [365, 0] Source of algorithm: PROMISE Team, Validation studies, (Investigator reviewed codes) Measurement characteristics: Death includes information from the inpatient discharged dead status and social security death master file. PPV for HF diagnosis using ICD-10 codes was 98% in a national Medicare sample. https://pubmed.ncbi.nlm.nih.gov/36688301/	Code type: DX, PX Care setting: Inpatient for heart failure, outpatient for i.v. diuretics, any for death Diagnosis position: Primary Assessment window: [365, 0] Source of algorithm: PROMISE Team, Validation studies, (Investigator reviewed codes) Measurement characteristics: Death includes information from the inpatient discharged dead status, NDI cause of death, and social security death master file. PPV for HF diagnosis using ICD-10 codes was 98% in a national Medicare sample. https://pubmed.ncbi.nlm.nih.gov/36688301/	
Follow-up end	52 weeks post randomization	Earliest of Outcome, end of observation in data, end of study period (365 days), discontinuation of study drug (45 days grace window and risk-window), switch to other GLP-1 RA, nursing home admission	Earliest of Outcome, end of observation in data, end of study period (365 days), discontinuation of study drug (45 days grace window and risk-window), switch to other GLP-1 RA, nursing home admission	Earliest of Outcome, end of observation in data, end of study period (365 days), discontinuation of study drug (45 days grace window and risk-window), switch to other GLP-1 RA, nursing home admission	
Causal estimand Effect estimation Inclusion criteria	Intention-to-treat effect Cox proportional hazards model	On-treatment effect Cox proportional hazards regression model	On-treatment effect Cox proportional hazards regression model	On-treatment effect Cox proportional hazards regression model	
1	Menor women ≥ 18 years old	Applied before/after selection of index date: Before Assessment window: [0, 0] Code type: N/A Care setting: N/A Diagnosis position: N/A Source of algorithm: N/A Measurement characteristics: N/A	Applied before/after selection of index date: Before Assessment window: [0, 0] Code type: N/A Care setting: N/A Diagnosis position: N/A Source of algorithm: N/A Measurement characteristics: N/A	Applied before/after selection of index date: Before Assessment window: [0, 0] Code type: N/A Care setting: N/A Diagnosis position: N/A Source of algorithm: N/A Measurement characteristics: N/A	
2	History of T2DM	Applied before/after selection of index date: Before Assessment window: [365, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A	Applied before/after selection of index date: Before Assessment window: [365, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A	Applied before/after selection of index date: Before Assessment window: [365, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A	
3	BMI ≥ 27 kg/m ²	Applied before/after selection of index date: Before Assessment window: [all available data, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: Validation of body mass index (BMI)-related ICD-9-CM and ICD-10-CM administrative diagnosis codes recorded in US claims data Measurement characteristics: N/A	Applied before/after selection of index date: Before Assessment window: [all available data, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: Validation of body mass index (BMI)-related ICD-9-CM and ICD-10-CM administrative diagnosis codes recorded in US claims data Measurement characteristics: N/A	Applied before/after selection of index date: Before Assessment window: [all available data, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: Validation of body mass index (BMI)-related ICD-9-CM and ICD-10-CM administrative diagnosis codes recorded in US claims data Measurement characteristics: N/A	Algorithm detail: If BMI measurement via LONC code is below 10 or above 100 then measure is set to missing.
4	Heart failure	Applied before/after selection of index date: Before Assessment window: [all available data, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: https://pubmed.ncbi.nlm.nih.gov/36688301/ Measurement characteristics: N/A	Applied before/after selection of index date: Before Assessment window: [all available data, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: https://pubmed.ncbi.nlm.nih.gov/36688301/ Measurement characteristics: N/A	Applied before/after selection of index date: Before Assessment window: [all available data, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: https://pubmed.ncbi.nlm.nih.gov/36688301/ Measurement characteristics: N/A	
5	Preserved ejection fraction	Applied before/after selection of index date: Before Assessment window: [183, 0] Code type: DX, PX, RX Care setting: Any Diagnosis position: Any Source of algorithm: EF algorithm, https://pubmed.ncbi.nlm.nih.gov/3052067/ , https://pubmed.ncbi.nlm.nih.gov/35114384/ Measurement characteristics: N/A	Applied before/after selection of index date: Before Assessment window: [183, 0] Code type: DX, PX, RX Care setting: Any Diagnosis position: Any Source of algorithm: EF algorithm, https://pubmed.ncbi.nlm.nih.gov/3052067/ , https://pubmed.ncbi.nlm.nih.gov/35114384/ Measurement characteristics: N/A	Applied before/after selection of index date: Before Assessment window: [183, 0] Code type: DX, PX, RX Care setting: Any Diagnosis position: Any Source of algorithm: EF algorithm, https://pubmed.ncbi.nlm.nih.gov/3052067/ , https://pubmed.ncbi.nlm.nih.gov/35114384/ Measurement characteristics: N/A	Algorithm detail: Provided by claims algorithm predicting LVEF.
Exclusion criteria					
1	Prior treatment with any GLP-1 RA	Applied before/after selection of index date: Before Assessment window: [183, 0] Code type: RX Care setting: N/A Diagnosis position: N/A Source of algorithm: N/A Measurement characteristics: n/a	Applied before/after selection of index date: Before Assessment window: [183, 0] Code type: RX Care setting: N/A Diagnosis position: N/A Source of algorithm: N/A Measurement characteristics: n/a	Applied before/after selection of index date: Before Assessment window: [183, 0] Code type: RX Care setting: N/A Diagnosis position: N/A Source of algorithm: N/A Measurement characteristics: n/a	
2	History of T1DM	Applied before/after selection of index date: Before Assessment window: [365, 0] Code type: DX, PX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A	Applied before/after selection of index date: Before Assessment window: [365, 0] Code type: DX, PX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A	Applied before/after selection of index date: Before Assessment window: [365, 0] Code type: DX, PX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A	
4	History of bariatric surgery	Applied before/after selection of index date: Before Assessment window: [183, 0] Code type: DX, PX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A	Applied before/after selection of index date: Before Assessment window: [183, 0] Code type: DX, PX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A	Applied before/after selection of index date: Before Assessment window: [183, 0] Code type: DX, PX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A	
5	History of nursing home admission	Applied before/after selection of index date: Before Assessment window: [all available data, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A	Applied before/after selection of index date: Before Assessment window: [all available data, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A	Applied before/after selection of index date: Before Assessment window: [all available data, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A	
6	Pregnant female or breast-feeding	Applied before/after selection of index date: Before Assessment window: [365, 0] Code type: DX, PX Care setting: Any Diagnosis position: Any Source of algorithm: Pregnancy team Measurement characteristics: N/A	Applied before/after selection of index date: Before Assessment window: [365, 0] Code type: DX, PX Care setting: Any Diagnosis position: Any Source of algorithm: Pregnancy team Measurement characteristics: N/A	Applied before/after selection of index date: Before Assessment window: [365, 0] Code type: DX, PX Care setting: Any Diagnosis position: Any Source of algorithm: Pregnancy team Measurement characteristics: N/A	
7	Uncontrolled and potentially unstable diabetic retinopathy or maculopathy	Applied before/after selection of index date: Before Assessment window: [183, 0] Code type: PX Care setting: N/A Diagnosis position: N/A Source of algorithm: N/A Measurement characteristics: n/a	Applied before/after selection of index date: Before Assessment window: [183, 0] Code type: PX Care setting: N/A Diagnosis position: N/A Source of algorithm: N/A Measurement characteristics: n/a	Applied before/after selection of index date: Before Assessment window: [183, 0] Code type: PX Care setting: N/A Diagnosis position: N/A Source of algorithm: N/A Measurement characteristics: n/a	Algorithm detail: Provided by CPT-4 codes for intravitreal injection of anti-VEGF/ OR photocoagulation
8	Treatment with continuous subcutaneous insulin infusion	Applied before/after selection of index date: Before Assessment window: [all available data, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A	Applied before/after selection of index date: Before Assessment window: [all available data, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A	Applied before/after selection of index date: Before Assessment window: [all available data, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A	
9	Multiple endocrine neoplasia type 2 or medullary thyroid carcinoma	Applied before/after selection of index date: Before Assessment window: [all available data, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A	Applied before/after selection of index date: Before Assessment window: [all available data, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A	Applied before/after selection of index date: Before Assessment window: [all available data, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A	
10	Have a history of (in)active or untreated malignancy or are in remission from a clinically significant malignancy (other than basal- or squamous-cell skin cancer; in situ carcinoma of the cervix, or in situ prostate cancer) for less than 5 years	Applied before/after selection of index date: Before Assessment window: [all available data, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A	Applied before/after selection of index date: Before Assessment window: [all available data, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A	Applied before/after selection of index date: Before Assessment window: [all available data, 0] Code type: DX Care setting: Any Diagnosis position: Any Source of algorithm: PROMISE team Measurement characteristics: N/A	

Variable_Name	Code	Code_category	Code_type	Notes
Exposure				
Semaglutide	SEMAGLUTIDE	RX	Generic	NDC Route of Administration: SUBCUTANEOUS
Semaglutide	0169413001	RX	NDC	
Semaglutide	0169413013	RX	NDC	
Semaglutide	0169413211	RX	NDC	
Semaglutide	0169413212	RX	NDC	
Semaglutide	0169413290	RX	NDC	
Semaglutide	0169413297	RX	NDC	
Semaglutide	0169413602	RX	NDC	
Semaglutide	0169413611	RX	NDC	
Semaglutide	0169418103	RX	NDC	
Semaglutide	0169418113	RX	NDC	
Semaglutide	0169418190	RX	NDC	
Semaglutide	0169418197	RX	NDC	
Semaglutide	0169477211	RX	NDC	
Semaglutide	0169477212	RX	NDC	
Semaglutide	0169477290	RX	NDC	
Semaglutide	0169477297	RX	NDC	
Semaglutide	0169450101	RX	NDC	
Semaglutide	0169450114	RX	NDC	
Semaglutide	0169450501	RX	NDC	
Semaglutide	0169450514	RX	NDC	
Semaglutide	0169451701	RX	NDC	
Semaglutide	0169451714	RX	NDC	
Semaglutide	0169452401	RX	NDC	
Semaglutide	0169452414	RX	NDC	
Semaglutide	OZEMPIC	RX	Generic	NDC Route of Administration: SUBCUTANEOUS
Semaglutide	WEGOVY	RX	Generic	NDC Route of Administration: SUBCUTANEOUS
Comparator				
Sitagliptin	SITAGLIPTIN	RX	Generic	NDC Route of Administration: ORAL
Sitagliptin	0006011201	RX	NDC	
Sitagliptin	0006011228	RX	NDC	
Sitagliptin	0006011231	RX	NDC	
Sitagliptin	0006011254	RX	NDC	
Sitagliptin	0006022101	RX	NDC	
Sitagliptin	0006022128	RX	NDC	
Sitagliptin	0006022131	RX	NDC	
Sitagliptin	0006022154	RX	NDC	
Sitagliptin	0006027701	RX	NDC	
Sitagliptin	0006027702	RX	NDC	
Sitagliptin	0006027714	RX	NDC	
Sitagliptin	0006027727	RX	NDC	
Sitagliptin	0006027728	RX	NDC	
Sitagliptin	0006027730	RX	NDC	
Sitagliptin	0006027731	RX	NDC	
Sitagliptin	0006027733	RX	NDC	
Sitagliptin	0006027754	RX	NDC	
Sitagliptin	0006027782	RX	NDC	
Sitagliptin	0006057501	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006057502	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006057503	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006057552	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006057556	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006057561	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006057562	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006057582	RX	NDC	Sitagliptin/metformin

Sitagliptin	0006057701	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006057702	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006057703	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006057752	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006057756	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006057761	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006057762	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006057782	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006007814	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006007828	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006007861	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006007862	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006007882	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006008014	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006008028	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006008061	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006008062	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006008082	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006008107	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006008114	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006008131	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006008154	RX	NDC	Sitagliptin/metformin
Sitagliptin	0006008182	RX	NDC	Sitagliptin/metformin
Sitagliptin	JANUVIA	RX	Generic	NDC Route of Administration: ORAL
Sitagliptin	SITAGLIPTIN / METF	RX	Generic	NDC Route of Administration: ORAL

Category	Variable_name	Code	Code_category	Description	Code_type	Notes
1	Men or women ≥ 18 y.o	N/A				
2	History of T2DM	E11.0	DX	TYPE 2 DIABETES MELLITUS WITH HYPEROSMOLARITY	ICD-10-CM	
2	History of T2DM	E11.00	DX	HYPERGLYCEMIC-HYPEROSMOLAR COMA (NKHHC)	ICD-10-CM	
2	History of T2DM	E11.01	DX	TYPE 2 DIABETES MELLITUS WITH HYPEROSMOLARITY WITH COMA	ICD-10-CM	
2	History of T2DM	E11.1	DX	TYPE 2 DIABETES MELLITUS WITH KETOACIDOSIS	ICD-10-CM	
2	History of T2DM	E11.10	DX	TYPE 2 DIABETES MELLITUS WITH KETOACIDOSIS WITHOUT COMA	ICD-10-CM	
2	History of T2DM	E11.11	DX	TYPE 2 DIABETES MELLITUS WITH KETOACIDOSIS WITH COMA	ICD-10-CM	
2	History of T2DM	E11.2	DX	TYPE 2 DIABETES MELLITUS WITH KIDNEY COMPLICATIONS	ICD-10-CM	
2	History of T2DM	E11.21	DX	TYPE 2 DIABETES MELLITUS WITH DIABETIC NEPHROPATHY	ICD-10-CM	
2	History of T2DM	E11.22	DX	TYPE 2 DIABETES MELLITUS WITH DIABETIC CHRONIC KIDNEY DISEASE	ICD-10-CM	
2	History of T2DM	E11.29	DX	TYPE 2 DIABETES MELLITUS WITH OTHER DIABETIC KIDNEY COMPLICATION	ICD-10-CM	
2	History of T2DM	E11.3	DX	TYPE 2 DIABETES MELLITUS WITH OPHTHALMIC COMPLICATIONS	ICD-10-CM	
2	History of T2DM	E11.31	DX	TYPE 2 DIABETES MELLITUS WITH UNSPECIFIED DIABETIC RETINOPATHY	ICD-10-CM	
2	History of T2DM	E11.311	DX	EDEMA	ICD-10-CM	
2	History of T2DM	E11.319	DX	MACULAR EDEMA	ICD-10-CM	
2	History of T2DM	E11.32	DX	TYPE 2 DIABETES MELLITUS WITH MILD NONPROLIFERATIVE DIABETIC RETINOPATHY	ICD-10-CM	
2	History of T2DM	E11.321	DX	WITH MACULAR EDEMA	ICD-10-CM	
2	History of T2DM	E11.3211	DX	WITH MACULAR EDEMA, RIGHT EYE	ICD-10-CM	
2	History of T2DM	E11.3212	DX	WITH MACULAR EDEMA, LEFT EYE	ICD-10-CM	
2	History of T2DM	E11.3213	DX	WITH MACULAR EDEMA, BILATERAL	ICD-10-CM	
2	History of T2DM	E11.3219	DX	WITH MACULAR EDEMA, UNSPECIFIED EYE	ICD-10-CM	
2	History of T2DM	E11.329	DX	WITHOUT MACULAR EDEMA	ICD-10-CM	
2	History of T2DM	E11.3291	DX	WITHOUT MACULAR EDEMA, RIGHT EYE	ICD-10-CM	
2	History of T2DM	E11.3292	DX	WITHOUT MACULAR EDEMA, LEFT EYE	ICD-10-CM	
2	History of T2DM	E11.3293	DX	WITHOUT MACULAR EDEMA, BILATERAL	ICD-10-CM	
2	History of T2DM	E11.3299	DX	WITHOUT MACULAR EDEMA, UNSPECIFIED EYE	ICD-10-CM	
2	History of T2DM	E11.33	DX	RETINOPATHY	ICD-10-CM	
2	History of T2DM	E11.331	DX	RETINOPATHY WITH MACULAR EDEMA	ICD-10-CM	
2	History of T2DM	E11.3311	DX	RETINOPATHY WITH MACULAR EDEMA, RIGHT EYE	ICD-10-CM	
2	History of T2DM	E11.3312	DX	RETINOPATHY WITH MACULAR EDEMA, LEFT EYE	ICD-10-CM	
2	History of T2DM	E11.3313	DX	RETINOPATHY WITH MACULAR EDEMA, BILATERAL	ICD-10-CM	
2	History of T2DM	E11.3319	DX	RETINOPATHY WITH MACULAR EDEMA, UNSPECIFIED EYE	ICD-10-CM	
2	History of T2DM	E11.339	DX	RETINOPATHY WITHOUT MACULAR EDEMA	ICD-10-CM	
2	History of T2DM	E11.3391	DX	RETINOPATHY WITHOUT MACULAR EDEMA, RIGHT EYE	ICD-10-CM	
2	History of T2DM	E11.3392	DX	RETINOPATHY WITHOUT MACULAR EDEMA, LEFT EYE	ICD-10-CM	
2	History of T2DM	E11.3393	DX	RETINOPATHY WITHOUT MACULAR EDEMA, BILATERAL	ICD-10-CM	
2	History of T2DM	E11.3399	DX	RETINOPATHY WITHOUT MACULAR EDEMA, UNSPECIFIED EYE	ICD-10-CM	
2	History of T2DM	E11.34	DX	TYPE 2 DIABETES MELLITUS WITH SEVERE NONPROLIFERATIVE DIABETIC RETINOPATHY	ICD-10-CM	
2	History of T2DM	E11.341	DX	WITH MACULAR EDEMA	ICD-10-CM	
2	History of T2DM	E11.3411	DX	WITH MACULAR EDEMA, RIGHT EYE	ICD-10-CM	
2	History of T2DM	E11.3412	DX	WITH MACULAR EDEMA, LEFT EYE	ICD-10-CM	
2	History of T2DM	E11.3413	DX	WITH MACULAR EDEMA, BILATERAL	ICD-10-CM	
2	History of T2DM	E11.3419	DX	WITH MACULAR EDEMA, UNSPECIFIED EYE	ICD-10-CM	
2	History of T2DM	E11.349	DX	WITHOUT MACULAR EDEMA	ICD-10-CM	
2	History of T2DM	E11.3491	DX	WITHOUT MACULAR EDEMA, RIGHT EYE	ICD-10-CM	
2	History of T2DM	E11.3492	DX	WITHOUT MACULAR EDEMA, LEFT EYE	ICD-10-CM	
2	History of T2DM	E11.3493	DX	WITHOUT MACULAR EDEMA, BILATERAL	ICD-10-CM	
2	History of T2DM	E11.3499	DX	WITHOUT MACULAR EDEMA, UNSPECIFIED EYE	ICD-10-CM	
2	History of T2DM	E11.35	DX	TYPE 2 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY	ICD-10-CM	
2	History of T2DM	E11.351	DX	MACULAR EDEMA	ICD-10-CM	
2	History of T2DM	E11.3511	DX	MACULAR EDEMA, RIGHT EYE	ICD-10-CM	
2	History of T2DM	E11.3512	DX	MACULAR EDEMA, LEFT EYE	ICD-10-CM	
2	History of T2DM	E11.3513	DX	MACULAR EDEMA, BILATERAL	ICD-10-CM	
2	History of T2DM	E11.3519	DX	MACULAR EDEMA, UNSPECIFIED EYE	ICD-10-CM	
2	History of T2DM	E11.352	DX	TRACTION RETINAL DETACHMENT INVOLVING THE MACULA	ICD-10-CM	
2	History of T2DM	E11.3521	DX	TRACTION RETINAL DETACHMENT INVOLVING THE MACULA, RIGHT EYE	ICD-10-CM	
2	History of T2DM	E11.3522	DX	TRACTION RETINAL DETACHMENT INVOLVING THE MACULA, LEFT EYE	ICD-10-CM	
2	History of T2DM	E11.3523	DX	TRACTION RETINAL DETACHMENT INVOLVING THE MACULA, BILATERAL	ICD-10-CM	
2	History of T2DM	E11.3529	DX	TRACTION RETINAL DETACHMENT INVOLVING THE MACULA, UNSPECIFIED EYE	ICD-10-CM	
2	History of T2DM	E11.353	DX	TRACTION RETINAL DETACHMENT NOT INVOLVING THE MACULA	ICD-10-CM	
2	History of T2DM	E11.3531	DX	TRACTION RETINAL DETACHMENT NOT INVOLVING THE MACULA, RIGHT EYE	ICD-10-CM	
2	History of T2DM	E11.3532	DX	TRACTION RETINAL DETACHMENT NOT INVOLVING THE MACULA, LEFT EYE	ICD-10-CM	
2	History of T2DM	E11.3533	DX	TRACTION RETINAL DETACHMENT NOT INVOLVING THE MACULA, BILATERAL	ICD-10-CM	
2	History of T2DM	E11.3539	DX	TRACTION RETINAL DETACHMENT NOT INVOLVING THE MACULA, UNSPECIFIED EYE	ICD-10-CM	
2	History of T2DM	E11.354	DX	COMBINED TRACTION RETINAL DETACHMENT AND RHEGMATOGENOUS RETINAL	ICD-10-CM	
2	History of T2DM	E11.3541	DX	COMBINED TRACTION RETINAL DETACHMENT AND RHEGMATOGENOUS RETINAL	ICD-10-CM	
2	History of T2DM	E11.3542	DX	COMBINED TRACTION RETINAL DETACHMENT AND RHEGMATOGENOUS RETINAL	ICD-10-CM	
2	History of T2DM	E11.3543	DX	COMBINED TRACTION RETINAL DETACHMENT AND RHEGMATOGENOUS RETINAL	ICD-10-CM	
2	History of T2DM	E11.3549	DX	COMBINED TRACTION RETINAL DETACHMENT AND RHEGMATOGENOUS RETINAL	ICD-10-CM	
2	History of T2DM	E11.355	DX	TYPE 2 DIABETES MELLITUS WITH STABLE PROLIFERATIVE DIABETIC RETINOPATHY	ICD-10-CM	
2	History of T2DM	E11.3551	DX	RIGHT EYE	ICD-10-CM	
2	History of T2DM	E11.3552	DX	EYE	ICD-10-CM	
2	History of T2DM	E11.3553	DX	BILATERAL	ICD-10-CM	
2	History of T2DM	E11.3559	DX	UNSPECIFIED EYE	ICD-10-CM	
2	History of T2DM	E11.359	DX	MACULAR EDEMA	ICD-10-CM	
2	History of T2DM	E11.3591	DX	MACULAR EDEMA, RIGHT EYE	ICD-10-CM	
2	History of T2DM	E11.3592	DX	MACULAR EDEMA, LEFT EYE	ICD-10-CM	
2	History of T2DM	E11.3593	DX	MACULAR EDEMA, BILATERAL	ICD-10-CM	
2	History of T2DM	E11.3599	DX	MACULAR EDEMA, UNSPECIFIED EYE	ICD-10-CM	
2	History of T2DM	E11.36	DX	TYPE 2 DIABETES MELLITUS WITH DIABETIC CATARACT	ICD-10-CM	
2	History of T2DM	E11.37	DX	TREATMENT	ICD-10-CM	
2	History of T2DM	E11.37X1	DX	TREATMENT, RIGHT EYE	ICD-10-CM	
2	History of T2DM	E11.37X2	DX	TREATMENT, LEFT EYE	ICD-10-CM	
2	History of T2DM	E11.37X3	DX	TREATMENT, BILATERAL	ICD-10-CM	
2	History of T2DM	E11.37X9	DX	TREATMENT, UNSPECIFIED EYE	ICD-10-CM	
2	History of T2DM	E11.39	DX	TYPE 2 DIABETES MELLITUS WITH OTHER DIABETIC OPHTHALMIC COMPLICATION	ICD-10-CM	
2	History of T2DM	E11.4	DX	TYPE 2 DIABETES MELLITUS WITH NEUROLOGICAL COMPLICATIONS	ICD-10-CM	
2	History of T2DM	E11.40	DX	TYPE 2 DIABETES MELLITUS WITH DIABETIC NEUROPATHY, UNSPECIFIED	ICD-10-CM	
2	History of T2DM	E11.41	DX	TYPE 2 DIABETES MELLITUS WITH DIABETIC MONONEUROPATHY	ICD-10-CM	
2	History of T2DM	E11.42	DX	TYPE 2 DIABETES MELLITUS WITH DIABETIC POLYNEUROPATHY	ICD-10-CM	
2	History of T2DM	E11.43	DX	TYPE 2 DIABETES MELLITUS WITH DIABETIC AUTONOMIC (POLY)NEUROPATHY	ICD-10-CM	
2	History of T2DM	E11.44	DX	TYPE 2 DIABETES MELLITUS WITH DIABETIC AMYOTROPHY	ICD-10-CM	

2	History of T2DM	E11.49	DX	TYPE 2 DIABETES MELLITUS WITH OTHER DIABETIC NEUROLOGICAL COMPLICATION	ICD-10-CM
2	History of T2DM	E11.5	DX	TYPE 2 DIABETES MELLITUS WITH CIRCULATORY COMPLICATIONS	ICD-10-CM
2	History of T2DM	E11.51	DX	GANGRENE	ICD-10-CM
2	History of T2DM	E11.52	DX	TYPE 2 DIABETES MELLITUS WITH DIABETIC PERIPHERAL ANGIOPATHY WITH GANGRENE	ICD-10-CM
2	History of T2DM	E11.59	DX	TYPE 2 DIABETES MELLITUS WITH OTHER CIRCULATORY COMPLICATIONS	ICD-10-CM
2	History of T2DM	E11.6	DX	TYPE 2 DIABETES MELLITUS WITH OTHER SPECIFIED COMPLICATIONS	ICD-10-CM
2	History of T2DM	E11.61	DX	TYPE 2 DIABETES MELLITUS WITH DIABETIC ARTHROPATHY	ICD-10-CM
2	History of T2DM	E11.610	DX	TYPE 2 DIABETES MELLITUS WITH DIABETIC NEUROPATHIC ARTHROPATHY	ICD-10-CM
2	History of T2DM	E11.618	DX	TYPE 2 DIABETES MELLITUS WITH OTHER DIABETIC ARTHROPATHY	ICD-10-CM
2	History of T2DM	E11.62	DX	TYPE 2 DIABETES MELLITUS WITH SKIN COMPLICATIONS	ICD-10-CM
2	History of T2DM	E11.620	DX	TYPE 2 DIABETES MELLITUS WITH DIABETIC DERMATITIS	ICD-10-CM
2	History of T2DM	E11.621	DX	TYPE 2 DIABETES MELLITUS WITH FOOT ULCER	ICD-10-CM
2	History of T2DM	E11.622	DX	TYPE 2 DIABETES MELLITUS WITH OTHER SKIN ULCER	ICD-10-CM
2	History of T2DM	E11.628	DX	TYPE 2 DIABETES MELLITUS WITH OTHER SKIN COMPLICATIONS	ICD-10-CM
2	History of T2DM	E11.63	DX	TYPE 2 DIABETES MELLITUS WITH ORAL COMPLICATIONS	ICD-10-CM
2	History of T2DM	E11.630	DX	TYPE 2 DIABETES MELLITUS WITH PERIODONTAL DISEASE	ICD-10-CM
2	History of T2DM	E11.638	DX	TYPE 2 DIABETES MELLITUS WITH OTHER ORAL COMPLICATIONS	ICD-10-CM
2	History of T2DM	E11.64	DX	TYPE 2 DIABETES MELLITUS WITH HYPOGLYCEMIA	ICD-10-CM
2	History of T2DM	E11.641	DX	TYPE 2 DIABETES MELLITUS WITH HYPOGLYCEMIA WITH COMA	ICD-10-CM
2	History of T2DM	E11.649	DX	TYPE 2 DIABETES MELLITUS WITH HYPOGLYCEMIA WITHOUT COMA	ICD-10-CM
2	History of T2DM	E11.65	DX	TYPE 2 DIABETES MELLITUS WITH HYPERGLYCEMIA	ICD-10-CM
2	History of T2DM	E11.69	DX	TYPE 2 DIABETES MELLITUS WITH OTHER SPECIFIED COMPLICATION	ICD-10-CM
2	History of T2DM	E11.8	DX	TYPE 2 DIABETES MELLITUS WITH UNSPECIFIED COMPLICATIONS	ICD-10-CM
2	History of T2DM	E11.9	DX	TYPE 2 DIABETES MELLITUS WITHOUT COMPLICATIONS	ICD-10-CM
3	BMI ≥27 kg/m2	Z68.27	DX	BMI 27.0-27.9, ADULT	ICD-10-CM
3	BMI ≥27 kg/m2	Z68.28	DX	BMI 28.0-28.9, ADULT	ICD-10-CM
3	BMI ≥27 kg/m2	Z68.29	DX	BMI 29.0-29.9, ADULT	ICD-10-CM
3	BMI ≥27 kg/m2	E66	DX	OVERWEIGHT AND OBESITY	ICD-10-CM
3	BMI ≥27 kg/m2	E66.0	DX	OBESITY DUE TO EXCESS CALORIES	ICD-10-CM
3	BMI ≥27 kg/m2	E66.01	DX	MORBID (SEVERE) OBESITY DUE TO EXCESS CALORIES	ICD-10-CM
3	BMI ≥27 kg/m2	E66.09	DX	OTHER OBESITY DUE TO EXCESS CALORIES	ICD-10-CM
3	BMI ≥27 kg/m2	E66.1	DX	DRUG-INDUCED OBESITY	ICD-10-CM
3	BMI ≥27 kg/m2	E66.2	DX	MORBID (SEVERE) OBESITY WITH ALVEOLAR HYPOVENTILATION	ICD-10-CM
3	BMI ≥27 kg/m2	E66.8	DX	OTHER OBESITY	ICD-10-CM
3	BMI ≥27 kg/m2	E66.89	DX	OTHER OBESITY NOT ELSEWHERE CLASSIFIED	ICD-10-CM
3	BMI ≥27 kg/m2	E66.9	DX	OBESITY, UNSPECIFIED	ICD-10-CM
3	BMI ≥27 kg/m2	Z68.30	DX	BODY MASS INDEX (BMI) 30.0-30.9, ADULT	ICD-10-CM
3	BMI ≥27 kg/m2	Z68.31	DX	BODY MASS INDEX (BMI) 31.0-31.9, ADULT	ICD-10-CM
3	BMI ≥27 kg/m2	Z68.32	DX	BODY MASS INDEX (BMI) 32.0-32.9, ADULT	ICD-10-CM
3	BMI ≥27 kg/m2	Z68.33	DX	BODY MASS INDEX (BMI) 33.0-33.9, ADULT	ICD-10-CM
3	BMI ≥27 kg/m2	Z68.34	DX	BODY MASS INDEX (BMI) 34.0-34.9, ADULT	ICD-10-CM
3	BMI ≥27 kg/m2	Z68.35	DX	BODY MASS INDEX (BMI) 35.0-35.9, ADULT	ICD-10-CM
3	BMI ≥27 kg/m2	Z68.36	DX	BODY MASS INDEX (BMI) 36.0-36.9, ADULT	ICD-10-CM
3	BMI ≥27 kg/m2	Z68.37	DX	BODY MASS INDEX (BMI) 37.0-37.9, ADULT	ICD-10-CM
3	BMI ≥27 kg/m2	Z68.38	DX	BODY MASS INDEX (BMI) 38.0-38.9, ADULT	ICD-10-CM
3	BMI ≥27 kg/m2	Z68.39	DX	BODY MASS INDEX (BMI) 39.0-39.9, ADULT	ICD-10-CM
3	BMI ≥27 kg/m2	Z68.4	DX	BODY MASS INDEX (BMI) 40 OR GREATER, ADULT	ICD-10-CM
3	BMI ≥27 kg/m2	Z68.41	DX	BODY MASS INDEX (BMI) 40.0-44.9, ADULT	ICD-10-CM
3	BMI ≥27 kg/m2	Z68.42	DX	BODY MASS INDEX (BMI) 45.0-49.9, ADULT	ICD-10-CM
3	BMI ≥27 kg/m2	Z68.43	DX	BODY MASS INDEX (BMI) 50.0-59.9, ADULT	ICD-10-CM
3	BMI ≥27 kg/m2	Z68.44	DX	BODY MASS INDEX (BMI) 60.0-69.9, ADULT	ICD-10-CM
3	BMI ≥27 kg/m2	Z68.45	DX	BODY MASS INDEX (BMI) 70 OR GREATER, ADULT	ICD-10-CM
3	BMI ≥27 kg/m2	E66.81	DX	OBESITY CLASS	ICD-10-CM
3	BMI ≥27 kg/m2	E66.811	DX	OBESITY, CLASS 1	ICD-10-CM
3	BMI ≥27 kg/m2	E66.812	DX	OBESITY, CLASS 2	ICD-10-CM
3	BMI ≥27 kg/m2	E66.813	DX	OBESITY, CLASS 3	ICD-10-CM
3	BMI ≥27 kg/m2	39156-5	LOINC	BODY MASS INDEX (BMI) [Ratio]	
4	Heart failure	I09.81	DX	RHEUMATIC HEART FAILURE	ICD-10-CM
4	Heart failure	I11.0	DX	HYPERTENSIVE HEART DISEASE WITH HEART FAILURE	ICD-10-CM
4	Heart failure	I13.0	DX	THROUGH STAGE 4 CHRONIC KIDNEY DISEASE, OR UNSPECIFIED CHRONIC KIDNEY DISEASE	ICD-10-CM
4	Heart failure	I13.2	DX	STAGE 5 CHRONIC KIDNEY DISEASE, OR END STAGE RENAL DISEASE	ICD-10-CM
4	Heart failure	I50	DX	HEART FAILURE	ICD-10-CM
4	Heart failure	I50.1	DX	LEFT VENTRICULAR FAILURE, UNSPECIFIED	ICD-10-CM
4	Heart failure	I50.2	DX	SYSTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
4	Heart failure	I50.20	DX	UNSPECIFIED SYSTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
4	Heart failure	I50.21	DX	ACUTE SYSTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
4	Heart failure	I50.22	DX	CHRONIC SYSTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
4	Heart failure	I50.23	DX	ACUTE ON CHRONIC SYSTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
4	Heart failure	I50.3	DX	DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
4	Heart failure	I50.30	DX	UNSPECIFIED DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
4	Heart failure	I50.31	DX	ACUTE DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
4	Heart failure	I50.32	DX	CHRONIC DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
4	Heart failure	I50.33	DX	ACUTE ON CHRONIC DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
4	Heart failure	I50.4	DX	COMBINED SYSTOLIC (CONGESTIVE) AND DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
4	Heart failure	I50.40	DX	FAILURE	ICD-10-CM
4	Heart failure	I50.41	DX	ACUTE COMBINED SYSTOLIC (CONGESTIVE) AND DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM
4	Heart failure	I50.42	DX	FAILURE	ICD-10-CM
4	Heart failure	I50.43	DX	HEART FAILURE	ICD-10-CM
4	Heart failure	I50.8	DX	OTHER HEART FAILURE	ICD-10-CM
4	Heart failure	I50.810	DX	RIGHT HEART FAILURE, UNSPECIFIED	ICD-10-CM
4	Heart failure	I50.811	DX	ACUTE RIGHT HEART FAILURE	ICD-10-CM
4	Heart failure	I50.812	DX	CHRONIC RIGHT HEART FAILURE	ICD-10-CM
4	Heart failure	I50.813	DX	ACUTE ON CHRONIC RIGHT HEART FAILURE	ICD-10-CM
4	Heart failure	I50.814	DX	RIGHT HEART FAILURE DUE TO LEFT HEART FAILURE	ICD-10-CM
4	Heart failure	I50.82	DX	BIVENTRICULAR HEART FAILURE	ICD-10-CM
4	Heart failure	I50.83	DX	HIGH OUTPUT HEART FAILURE	ICD-10-CM
4	Heart failure	I50.84	DX	END STAGE HEART FAILURE	ICD-10-CM
4	Heart failure	I50.89	DX	OTHER HEART FAILURE	ICD-10-CM
4	Heart failure	I50.9	DX	HEART FAILURE, UNSPECIFIED	ICD-10-CM
4	Heart failure	I97.130	DX	POSTPROCEDURAL HEART FAILURE FOLLOWING CARDIAC SURGERY	ICD-10-CM
4	Heart failure	I97.131	DX	POSTPROCEDURAL HEART FAILURE FOLLOWING OTHER SURGERY	ICD-10-CM
5	LVEF ≥ 45% at screening	EF algorithm			

Category	Variable_name	Variable_subtype	Code	Code_category	Description	Code_type	Notes
1	Treatment with any incretin, GLP-1 RA, or pramlintide in the 3 months prior to Visit1		LIXISENATIDE	RX		Generic	
1	Treatment with any incretin, GLP-1 RA, or pramlintide in the 3 months prior to Visit2		DULAGLUTIDE	RX		Generic	
1	Treatment with any incretin, GLP-1 RA, or pramlintide in the 3 months prior to Visit1		LIRAGLUTIDE	RX		Generic	
1	Treatment with any incretin, GLP-1 RA, or pramlintide in the 3 months prior to Visit1		ALBIGLUTIDE	RX		Generic	
1	Treatment with any incretin, GLP-1 RA, or pramlintide in the 3 months prior to Visit1		EXENATIDE	RX		Generic	
1	Treatment with any incretin, GLP-1 RA, or pramlintide in the 3 months prior to Visit1		EXENATIDE				
1	Treatment with any incretin, GLP-1 RA, or pramlintide in the 3 months prior to Visit1		MICROSPHERES	RX		Generic	
1	Treatment with any incretin, GLP-1 RA, or pramlintide in the 3 months prior to Visit1		PRAMLINTIDE				
1	Treatment with any incretin, GLP-1 RA, or pramlintide in the 3 months prior to Visit1		ACETATE	RX		Generic	
1	Treatment with any incretin, GLP-1 RA, or pramlintide in the 3 months prior to Visit1		TIRZEPATIDE	RX		Generic	
2	History of T1DM		E10.1	DX	TYPE 1 DIABETES MELLITUS WITH KETOACIDOSIS	ICD-10-CM	
2	History of T1DM		E10.10	DX	TYPE 1 DIABETES MELLITUS WITH KETOACIDOSIS WITHOUT COMA	ICD-10-CM	
2	History of T1DM		E10.11	DX	TYPE 1 DIABETES MELLITUS WITH KETOACIDOSIS WITH COMA	ICD-10-CM	
2	History of T1DM		E10.2	DX	TYPE 1 DIABETES MELLITUS WITH KIDNEY COMPLICATIONS	ICD-10-CM	
2	History of T1DM		E10.21	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC NEPHROPATHY	ICD-10-CM	
2	History of T1DM		E10.22	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC CHRONIC KIDNEY DISEASE	ICD-10-CM	
2	History of T1DM		E10.29	DX	TYPE 1 DIABETES MELLITUS WITH OTHER DIABETIC KIDNEY COMPLICATION	ICD-10-CM	
2	History of T1DM		E10.3	DX	TYPE 1 DIABETES MELLITUS WITH OPHTHALMIC COMPLICATIONS	ICD-10-CM	
2	History of T1DM		E10.31	DX	TYPE 1 DIABETES MELLITUS WITH UNSPECIFIED DIABETIC RETINOPATHY	ICD-10-CM	
2	History of T1DM		E10.311	DX	TYPE 1 DIABETES MELLITUS WITH UNSPECIFIED DIABETIC RETINOPATHY WITH MACULAR EDEMA	ICD-10-CM	
2	History of T1DM		E10.319	DX	TYPE 1 DIABETES MELLITUS WITH UNSPECIFIED DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA	ICD-10-CM	
2	History of T1DM		E10.32	DX	TYPE 1 DIABETES MELLITUS WITH MILD NONPROLIFERATIVE DIABETIC RETINOPATHY	ICD-10-CM	
2	History of T1DM		E10.321	DX	TYPE 1 DIABETES MELLITUS WITH MILD NONPROLIFERATIVE DIABETIC RETINOPATHY WITH MACULAR EDEMA	ICD-10-CM	
2	History of T1DM		E10.3211	DX	TYPE 1 DIABETES MELLITUS WITH MILD NONPROLIFERATIVE DIABETIC RETINOPATHY WITH MACULAR EDEMA, RIGHT EYE	ICD-10-CM	
2	History of T1DM		E10.3212	DX	TYPE 1 DIABETES MELLITUS WITH MILD NONPROLIFERATIVE DIABETIC RETINOPATHY WITH MACULAR EDEMA, LEFT EYE	ICD-10-CM	
2	History of T1DM		E10.3213	DX	TYPE 1 DIABETES MELLITUS WITH MILD NONPROLIFERATIVE DIABETIC RETINOPATHY WITH MACULAR EDEMA, BILATERAL	ICD-10-CM	
2	History of T1DM		E10.3219	DX	TYPE 1 DIABETES MELLITUS WITH MILD NONPROLIFERATIVE DIABETIC RETINOPATHY WITH MACULAR EDEMA, UNSPECIFIED EYE	ICD-10-CM	
2	History of T1DM		E10.329	DX	TYPE 1 DIABETES MELLITUS WITH MILD NONPROLIFERATIVE DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA	ICD-10-CM	
2	History of T1DM		E10.3291	DX	TYPE 1 DIABETES MELLITUS WITH MILD NONPROLIFERATIVE DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA, RIGHT EYE	ICD-10-CM	
2	History of T1DM		E10.3292	DX	TYPE 1 DIABETES MELLITUS WITH MILD NONPROLIFERATIVE DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA, LEFT EYE	ICD-10-CM	
2	History of T1DM		E10.3293	DX	TYPE 1 DIABETES MELLITUS WITH MILD NONPROLIFERATIVE DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA, BILATERAL	ICD-10-CM	
2	History of T1DM		E10.3299	DX	TYPE 1 DIABETES MELLITUS WITH MILD NONPROLIFERATIVE DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA, UNSPECIFIED EYE	ICD-10-CM	
2	History of T1DM		E10.33	DX	TYPE 1 DIABETES MELLITUS WITH MODERATE NONPROLIFERATIVE DIABETIC RETINOPATHY	ICD-10-CM	
2	History of T1DM		E10.331	DX	TYPE 1 DIABETES MELLITUS WITH MODERATE NONPROLIFERATIVE DIABETIC RETINOPATHY WITH MACULAR EDEMA	ICD-10-CM	
2	History of T1DM		E10.3311	DX	TYPE 1 DIABETES MELLITUS WITH MODERATE NONPROLIFERATIVE DIABETIC RETINOPATHY WITH MACULAR EDEMA, RIGHT EYE	ICD-10-CM	
2	History of T1DM		E10.3312	DX	TYPE 1 DIABETES MELLITUS WITH MODERATE NONPROLIFERATIVE DIABETIC RETINOPATHY WITH MACULAR EDEMA, LEFT EYE	ICD-10-CM	
2	History of T1DM		E10.3313	DX	TYPE 1 DIABETES MELLITUS WITH MODERATE NONPROLIFERATIVE DIABETIC RETINOPATHY WITH MACULAR EDEMA, BILATERAL	ICD-10-CM	
2	History of T1DM		E10.3319	DX	TYPE 1 DIABETES MELLITUS WITH MODERATE NONPROLIFERATIVE DIABETIC RETINOPATHY WITH MACULAR EDEMA, UNSPECIFIED EYE	ICD-10-CM	
2	History of T1DM		E10.339	DX	TYPE 1 DIABETES MELLITUS WITH MODERATE NONPROLIFERATIVE DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA	ICD-10-CM	
2	History of T1DM		E10.3391	DX	TYPE 1 DIABETES MELLITUS WITH MODERATE NONPROLIFERATIVE DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA, RIGHT EYE	ICD-10-CM	
2	History of T1DM		E10.3392	DX	TYPE 1 DIABETES MELLITUS WITH MODERATE NONPROLIFERATIVE DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA, LEFT EYE	ICD-10-CM	
2	History of T1DM		E10.3393	DX	TYPE 1 DIABETES MELLITUS WITH MODERATE NONPROLIFERATIVE DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA, BILATERAL	ICD-10-CM	

2 History of T1DM	E10.3399	DX	TYPE 1 DIABETES MELLITUS WITH MODERATE NONPROLIFERATIVE DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA, UNSPECIFIED EYE	ICD-10-CM
2 History of T1DM	E10.34	DX	TYPE 1 DIABETES MELLITUS WITH SEVERE NONPROLIFERATIVE DIABETIC RETINOPATHY	ICD-10-CM
2 History of T1DM	E10.341	DX	TYPE 1 DIABETES MELLITUS WITH SEVERE NONPROLIFERATIVE DIABETIC RETINOPATHY WITH MACULAR EDEMA	ICD-10-CM
2 History of T1DM	E10.3411	DX	TYPE 1 DIABETES MELLITUS WITH SEVERE NONPROLIFERATIVE DIABETIC RETINOPATHY WITH MACULAR EDEMA, RIGHT EYE	ICD-10-CM
2 History of T1DM	E10.3412	DX	TYPE 1 DIABETES MELLITUS WITH SEVERE NONPROLIFERATIVE DIABETIC RETINOPATHY WITH MACULAR EDEMA, LEFT EYE	ICD-10-CM
2 History of T1DM	E10.3413	DX	TYPE 1 DIABETES MELLITUS WITH SEVERE NONPROLIFERATIVE DIABETIC RETINOPATHY WITH MACULAR EDEMA, BILATERAL	ICD-10-CM
2 History of T1DM	E10.3419	DX	TYPE 1 DIABETES MELLITUS WITH SEVERE NONPROLIFERATIVE DIABETIC RETINOPATHY WITH MACULAR EDEMA, UNSPECIFIED EYE	ICD-10-CM
2 History of T1DM	E10.349	DX	TYPE 1 DIABETES MELLITUS WITH SEVERE NONPROLIFERATIVE DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA	ICD-10-CM
2 History of T1DM	E10.3491	DX	TYPE 1 DIABETES MELLITUS WITH SEVERE NONPROLIFERATIVE DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA, RIGHT EYE	ICD-10-CM
2 History of T1DM	E10.3492	DX	TYPE 1 DIABETES MELLITUS WITH SEVERE NONPROLIFERATIVE DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA, LEFT EYE	ICD-10-CM
2 History of T1DM	E10.3493	DX	TYPE 1 DIABETES MELLITUS WITH SEVERE NONPROLIFERATIVE DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA, BILATERAL	ICD-10-CM
2 History of T1DM	E10.3499	DX	TYPE 1 DIABETES MELLITUS WITH SEVERE NONPROLIFERATIVE DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA, UNSPECIFIED EYE	ICD-10-CM
2 History of T1DM	E10.35	DX	TYPE 1 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY	ICD-10-CM
2 History of T1DM	E10.351	DX	TYPE 1 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITH MACULAR EDEMA	ICD-10-CM
2 History of T1DM	E10.3511	DX	TYPE 1 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITH MACULAR EDEMA, RIGHT EYE	ICD-10-CM
2 History of T1DM	E10.3512	DX	TYPE 1 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITH MACULAR EDEMA, LEFT EYE	ICD-10-CM
2 History of T1DM	E10.3513	DX	TYPE 1 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITH MACULAR EDEMA, BILATERAL	ICD-10-CM
2 History of T1DM	E10.3519	DX	TYPE 1 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITH MACULAR EDEMA, UNSPECIFIED EYE	ICD-10-CM
2 History of T1DM	E10.352	DX	TYPE 1 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITH TRACTION RETINAL DETACHMENT INVOLVING THE MACULA	ICD-10-CM
2 History of T1DM	E10.3521	DX	TYPE 1 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITH TRACTION RETINAL DETACHMENT INVOLVING THE MACULA, RIGHT EYE	ICD-10-CM
2 History of T1DM	E10.3522	DX	TYPE 1 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITH TRACTION RETINAL DETACHMENT INVOLVING THE MACULA, LEFT EYE	ICD-10-CM
2 History of T1DM	E10.3523	DX	TYPE 1 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITH TRACTION RETINAL DETACHMENT INVOLVING THE MACULA, BILATERAL	ICD-10-CM
2 History of T1DM	E10.3529	DX	TYPE 1 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITH TRACTION RETINAL DETACHMENT INVOLVING THE MACULA, UNSPECIFIED EYE	ICD-10-CM
2 History of T1DM	E10.353	DX	TYPE 1 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITH TRACTION RETINAL DETACHMENT NOT INVOLVING THE MACULA	ICD-10-CM
2 History of T1DM	E10.3531	DX	TYPE 1 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITH TRACTION RETINAL DETACHMENT NOT INVOLVING THE MACULA, RIGHT EYE	ICD-10-CM
2 History of T1DM	E10.3532	DX	TYPE 1 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITH TRACTION RETINAL DETACHMENT NOT INVOLVING THE MACULA, LEFT EYE	ICD-10-CM
2 History of T1DM	E10.3533	DX	TYPE 1 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITH TRACTION RETINAL DETACHMENT NOT INVOLVING THE MACULA, BILATERAL	ICD-10-CM
2 History of T1DM	E10.3539	DX	TYPE 1 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITH TRACTION RETINAL DETACHMENT NOT INVOLVING THE MACULA, UNSPECIFIED EYE	ICD-10-CM
2 History of T1DM	E10.354	DX	TYPE 1 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITH COMBINED TRACTION RETINAL DETACHMENT AND RHEGMATOGENOUS RETINAL DETACHMENT	ICD-10-CM
2 History of T1DM	E10.3541	DX	TYPE 1 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITH COMBINED TRACTION RETINAL DETACHMENT AND RHEGMATOGENOUS RETINAL DETACHMENT, RIGHT EYE	ICD-10-CM

2 History of T1DM	E10.3542	DX	TYPE 1 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITH COMBINED TRACTION RETINAL DETACHMENT AND RHEGMATOGENOUS RETINAL DETACHMENT, LEFT EYE	ICD-10-CM
2 History of T1DM	E10.3543	DX	TYPE 1 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITH COMBINED TRACTION RETINAL DETACHMENT AND RHEGMATOGENOUS RETINAL DETACHMENT, BILATERAL	ICD-10-CM
2 History of T1DM	E10.3549	DX	TYPE 1 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITH COMBINED TRACTION RETINAL DETACHMENT AND RHEGMATOGENOUS RETINAL DETACHMENT, UNSPECIFIED EYE	ICD-10-CM
2 History of T1DM	E10.355	DX	TYPE 1 DIABETES MELLITUS WITH STABLE PROLIFERATIVE DIABETIC RETINOPATHY	ICD-10-CM
2 History of T1DM	E10.3551	DX	TYPE 1 DIABETES MELLITUS WITH STABLE PROLIFERATIVE DIABETIC RETINOPATHY, RIGHT EYE	ICD-10-CM
2 History of T1DM	E10.3552	DX	TYPE 1 DIABETES MELLITUS WITH STABLE PROLIFERATIVE DIABETIC RETINOPATHY, LEFT EYE	ICD-10-CM
2 History of T1DM	E10.3553	DX	TYPE 1 DIABETES MELLITUS WITH STABLE PROLIFERATIVE DIABETIC RETINOPATHY, BILATERAL	ICD-10-CM
2 History of T1DM	E10.3559	DX	TYPE 1 DIABETES MELLITUS WITH STABLE PROLIFERATIVE DIABETIC RETINOPATHY, UNSPECIFIED EYE	ICD-10-CM
2 History of T1DM	E10.359	DX	TYPE 1 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA	ICD-10-CM
2 History of T1DM	E10.3591	DX	TYPE 1 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA, RIGHT EYE	ICD-10-CM
2 History of T1DM	E10.3592	DX	TYPE 1 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA, LEFT EYE	ICD-10-CM
2 History of T1DM	E10.3593	DX	TYPE 1 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA, BILATERAL	ICD-10-CM
2 History of T1DM	E10.3599	DX	TYPE 1 DIABETES MELLITUS WITH PROLIFERATIVE DIABETIC RETINOPATHY WITHOUT MACULAR EDEMA, UNSPECIFIED EYE	ICD-10-CM
2 History of T1DM	E10.36	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC CATARACT	ICD-10-CM
2 History of T1DM	E10.37	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC MACULAR EDEMA, RESOLVED FOLLOWING TREATMENT	ICD-10-CM
2 History of T1DM	E10.37X1	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC MACULAR EDEMA, RESOLVED FOLLOWING TREATMENT, RIGHT EYE	ICD-10-CM
2 History of T1DM	E10.37X2	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC MACULAR EDEMA, RESOLVED FOLLOWING TREATMENT, LEFT EYE	ICD-10-CM
2 History of T1DM	E10.37X3	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC MACULAR EDEMA, RESOLVED FOLLOWING TREATMENT, BILATERAL	ICD-10-CM
2 History of T1DM	E10.37X9	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC MACULAR EDEMA, RESOLVED FOLLOWING TREATMENT, UNSPECIFIED EYE	ICD-10-CM
2 History of T1DM	E10.39	DX	TYPE 1 DIABETES MELLITUS WITH OTHER DIABETIC OPHTHALMIC COMPLICATION	ICD-10-CM
2 History of T1DM	E10.4	DX	TYPE 1 DIABETES MELLITUS WITH NEUROLOGICAL COMPLICATIONS	ICD-10-CM
2 History of T1DM	E10.40	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC NEUROPATHY, UNSPECIFIED	ICD-10-CM
2 History of T1DM	E10.41	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC MONONEUROPATHY	ICD-10-CM
2 History of T1DM	E10.42	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC POLYNEUROPATHY	ICD-10-CM
2 History of T1DM	E10.43	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC AUTONOMIC (POLY)NEUROPATHY	ICD-10-CM
2 History of T1DM	E10.44	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC AMYOTROPHY	ICD-10-CM
2 History of T1DM	E10.49	DX	TYPE 1 DIABETES MELLITUS WITH OTHER DIABETIC NEUROLOGICAL COMPLICATION	ICD-10-CM
2 History of T1DM	E10.5	DX	TYPE 1 DIABETES MELLITUS WITH CIRCULATORY COMPLICATIONS	ICD-10-CM
2 History of T1DM	E10.51	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC PERIPHERAL ANGIOPATHY WITHOUT GANGRENE	ICD-10-CM
2 History of T1DM	E10.52	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC PERIPHERAL ANGIOPATHY WITH GANGRENE	ICD-10-CM
2 History of T1DM	E10.59	DX	TYPE 1 DIABETES MELLITUS WITH OTHER CIRCULATORY COMPLICATIONS	ICD-10-CM
2 History of T1DM	E10.6	DX	TYPE 1 DIABETES MELLITUS WITH OTHER SPECIFIED COMPLICATIONS	ICD-10-CM
2 History of T1DM	E10.61	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC ARTHROPATHY	ICD-10-CM
2 History of T1DM	E10.610	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC NEUROPATHIC ARTHROPATHY	ICD-10-CM
2 History of T1DM	E10.618	DX	TYPE 1 DIABETES MELLITUS WITH OTHER DIABETIC ARTHROPATHY	ICD-10-CM
2 History of T1DM	E10.62	DX	TYPE 1 DIABETES MELLITUS WITH SKIN COMPLICATIONS	ICD-10-CM
2 History of T1DM	E10.620	DX	TYPE 1 DIABETES MELLITUS WITH DIABETIC DERMATITIS	ICD-10-CM
2 History of T1DM	E10.621	DX	TYPE 1 DIABETES MELLITUS WITH FOOT ULCER	ICD-10-CM
2 History of T1DM	E10.622	DX	TYPE 1 DIABETES MELLITUS WITH OTHER SKIN ULCER	ICD-10-CM
2 History of T1DM	E10.628	DX	TYPE 1 DIABETES MELLITUS WITH OTHER SKIN COMPLICATIONS	ICD-10-CM
2 History of T1DM	E10.630	DX	TYPE 1 DIABETES MELLITUS WITH PERIODONTAL DISEASE	ICD-10-CM
2 History of T1DM	E10.638	DX	TYPE 1 DIABETES MELLITUS WITH OTHER ORAL COMPLICATIONS	ICD-10-CM
2 History of T1DM	E10.64	DX	TYPE 1 DIABETES MELLITUS WITH HYPOGLYCEMIA	ICD-10-CM

2 History of T1DM	E10.641	DX	TYPE 1 DIABETES MELLITUS WITH HYPOGLYCEMIA WITH COMA	ICD-10-CM
2 History of T1DM	E10.649	DX	TYPE 1 DIABETES MELLITUS WITH HYPOGLYCEMIA WITHOUT COMA	ICD-10-CM
2 History of T1DM	E10.65	DX	TYPE 1 DIABETES MELLITUS WITH HYPERGLYCEMIA	ICD-10-CM
2 History of T1DM	E10.69	DX	TYPE 1 DIABETES MELLITUS WITH OTHER SPECIFIED COMPLICATION	ICD-10-CM
2 History of T1DM	E10.8	DX	TYPE 1 DIABETES MELLITUS WITH UNSPECIFIED COMPLICATIONS	ICD-10-CM
2 History of T1DM	E10.9	DX	TYPE 1 DIABETES MELLITUS WITHOUT COMPLICATIONS	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	N18.5	DX	CHRONIC KIDNEY DISEASE, STAGE 5	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	N18.6	DX	END STAGE RENAL DISEASE	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	90920	PX	END STAGE RENAL DISEASE (ESRD) RELATED SERVICES PER FULL MONTH; FOR PATIENTS BETWEEN TWELVE AND NINETEEN YEARS OF AGE TO INCLUDE MONITORING FOR THE ADEQUACY OF NUTRITION, ASSESSMENT OF GROWTH AND DEVELOPMENT, AND COUNSELING OF PARENTS / END-STAGE RENAL DISEASE (ESRD) RELATED SERVICES PER FULL MONTH; FOR PATIENTS BETWEEN TWELVE AND NINETEEN YEARS OF AGE TO INCLUDE MONITORING FOR THE ADEQUACY OF NUTRITION, ASSESSMENT OF GROWTH AND DEVELOPMENT, AND COUNSELING OF PARENTS	CPT/HCPCS
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	90921	PX	END STAGE RENAL DISEASE (ESRD) RELATED SERVICES PER FULL MONTH; FOR PATIENTS TWENTY YEARS OF AGE AND OVER / END-STAGE RENAL DISEASE (ESRD) RELATED SERVICES PER FULL MONTH; FOR PATIENTS TWENTY YEARS OF AGE AND OLDER / END-STAGE RENAL DISEASE (ESRD) RELATED SERVICES PER FULL MONTH; FOR PATIENTS TWENTY YEARS OF AGE AND OVER	CPT/HCPCS
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	90924	PX	END STAGE RENAL DISEASE (ESRD) RELATED SERVICES (LESS THAN FULL MONTH), PER DAY; FOR PATIENTS BETWEEN TWELVE AND NINETEEN YEARS OF AGE / END-STAGE RENAL DISEASE (ESRD) RELATED SERVICES (LESS THAN FULL MONTH), PER DAY; FOR PATIENTS BETWEEN TWELVE AND NINETEEN YEARS OF AGE	CPT/HCPCS
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	90925	PX	END STAGE RENAL DISEASE (ESRD) RELATED SERVICES (LESS THAN FULL MONTH), PER DAY; FOR PATIENTS TWENTY YEARS OF AGE AND OVER / END-STAGE RENAL DISEASE (ESRD) RELATED SERVICES (LESS THAN FULL MONTH), PER DAY; FOR PATIENTS TWENTY YEARS OF AGE AND OLDER / END-STAGE RENAL DISEASE (ESRD) RELATED SERVICES (LESS THAN FULL MONTH), PER DAY; FOR PATIENTS TWENTY YEARS OF AGE AND OVER	CPT/HCPCS
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	90935	PX	HEMODIALYSIS PROCEDURE WITH SINGLE EVALUATION BY A PHYSICIAN OR OTHER QUALIFIED HEALTH CARE PROFESSIONAL	CPT/HCPCS
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	90937	PX	HEMODIALYSIS PROCEDURE REQUIRING REPEATED EVALUATION(S) WITH OR WITHOUT SUBSTANTIAL REVISION OF DIALYSIS PRESCRIPTION	CPT/HCPCS
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	90939	PX	HEMODIALYSIS ACCESS FLOW STUDY TO DETERMINE BLOOD FLOW IN GRAFTS AND ARTERIOVENOUS FISTULAE BY AN INDICATOR DILUTION METHOD, HOOK-UP; TRANSCUTANEOUS MEASUREMENT AND DISCONNECTION	CPT/HCPCS
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	90940	PX	HEMODIALYSIS ACCESS FLOW STUDY TO DETERMINE BLOOD FLOW IN GRAFTS AND ARTERIOVENOUS FISTULAE BY AN INDICATOR METHOD	CPT/HCPCS
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	90945	PX	DIALYSIS PROCEDURE OTHER THAN HEMODIALYSIS (EG, PERITONEAL DIALYSIS, HEMOFILTRATION, OR OTHER CONTINUOUS RENAL REPLACEMENT THERAPIES), WITH SINGLE EVALUATION BY A PHYSICIAN OR OTHER QUALIFIED HEALTH CARE PROFESSIONAL	CPT/HCPCS
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	90947	PX	DIALYSIS PROCEDURE OTHER THAN HEMODIALYSIS (EG, PERITONEAL DIALYSIS, HEMOFILTRATION, OR OTHER CONTINUOUS RENAL REPLACEMENT THERAPIES) REQUIRING REPEATED EVALUATIONS BY A PHYSICIAN OR OTHER QUALIFIED HEALTH CARE PROFESSIONAL, WITH OR WITHOUT SUBSTANTIAL REVISION OF DIALYSIS PRESCRIPTION	CPT/HCPCS
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	90957	PX	END-STAGE RENAL DISEASE (ESRD) RELATED SERVICES MONTHLY, FOR PATIENTS 12-19 YEARS OF AGE TO INCLUDE MONITORING FOR THE ADEQUACY OF NUTRITION, ASSESSMENT OF GROWTH AND DEVELOPMENT, AND COUNSELING OF PARENTS; WITH 4 OR MORE FACE-TO-FACE VISITS BY A PHYSICIAN OR OTHER QUALIFIED HEALTH CARE PROFESSIONAL PER MONTH	CPT/HCPCS
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	90958	PX	END-STAGE RENAL DISEASE (ESRD) RELATED SERVICES MONTHLY, FOR PATIENTS 12-19 YEARS OF AGE TO INCLUDE MONITORING FOR THE ADEQUACY OF NUTRITION, ASSESSMENT OF GROWTH AND DEVELOPMENT, AND COUNSELING OF PARENTS; WITH 2-3 FACE-TO-FACE VISITS BY A PHYSICIAN OR OTHER QUALIFIED HEALTH CARE PROFESSIONAL PER MONTH	CPT/HCPCS

3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	90959	PX	END-STAGE RENAL DISEASE (ESRD) RELATED SERVICES MONTHLY, FOR PATIENTS 12-19 YEARS OF AGE TO INCLUDE MONITORING FOR THE ADEQUACY OF NUTRITION, ASSESSMENT OF GROWTH AND DEVELOPMENT, AND COUNSELING OF PARENTS; WITH 1 FACE-TO-FACE VISIT BY A PHYSICIAN OR OTHER QUALIFIED HEALTH CARE PROFESSIONAL PER MONTH	CPT/HCPCS
3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	90960	PX	END-STAGE RENAL DISEASE (ESRD) RELATED SERVICES MONTHLY, FOR PATIENTS 20 YEARS OF AGE AND OLDER; WITH 4 OR MORE FACE-TO-FACE VISITS BY A PHYSICIAN OR OTHER QUALIFIED HEALTH CARE PROFESSIONAL PER MONTH	CPT/HCPCS
3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	90961	PX	END-STAGE RENAL DISEASE (ESRD) RELATED SERVICES MONTHLY, FOR PATIENTS 20 YEARS OF AGE AND OLDER; WITH 2-3 FACE-TO-FACE VISITS BY A PHYSICIAN OR OTHER QUALIFIED HEALTH CARE PROFESSIONAL PER MONTH	CPT/HCPCS
3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	90962	PX	END-STAGE RENAL DISEASE (ESRD) RELATED SERVICES MONTHLY, FOR PATIENTS 20 YEARS OF AGE AND OLDER; WITH 1 FACE-TO-FACE VISIT BY A PHYSICIAN OR OTHER QUALIFIED HEALTH CARE PROFESSIONAL PER MONTH	CPT/HCPCS
3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	90965	PX	END-STAGE RENAL DISEASE (ESRD) RELATED SERVICES FOR HOME DIALYSIS PER FULL MONTH, FOR PATIENTS 12-19 YEARS OF AGE TO INCLUDE MONITORING FOR THE ADEQUACY OF NUTRITION, ASSESSMENT OF GROWTH AND DEVELOPMENT, AND COUNSELING OF PARENTS	CPT/HCPCS
3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	90966	PX	END-STAGE RENAL DISEASE (ESRD) RELATED SERVICES FOR HOME DIALYSIS PER FULL MONTH, FOR PATIENTS 20 YEARS OF AGE AND OLDER	CPT/HCPCS
3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	90969	PX	END-STAGE RENAL DISEASE (ESRD) RELATED SERVICES FOR DIALYSIS LESS THAN A FULL MONTH OF SERVICE, PER DAY; FOR PATIENTS 12-19 YEARS OF AGE	CPT/HCPCS
3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	90970	PX	END-STAGE RENAL DISEASE (ESRD) RELATED SERVICES FOR DIALYSIS LESS THAN A FULL MONTH OF SERVICE, PER DAY; FOR PATIENTS 20 YEARS OF AGE AND OLDER	CPT/HCPCS
3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	I12.0	DX	HYPERTENSIVE CHRONIC KIDNEY DISEASE WITH STAGE 5 CHRONIC KIDNEY DISEASE OR END STAGE RENAL DISEASE	ICD-10-CM
3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	I13.2	DX	HYPERTENSIVE HEART AND CHRONIC KIDNEY DISEASE WITH HEART FAILURE AND WITH STAGE 5 CHRONIC KIDNEY DISEASE, OR END STAGE RENAL DISEASE	ICD-10-CM
3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	90989	PX	DIALYSIS TRAINING, PATIENT, INCLUDING HELPER WHERE APPLICABLE, ANY MODE, COMPLETED COURSE	CPT/HCPCS
3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	90993	PX	DIALYSIS TRAINING, PATIENT, INCLUDING HELPER WHERE APPLICABLE, ANY MODE, COURSE NOT COMPLETED, PER TRAINING SESSION	CPT/HCPCS
3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	90999	PX	UNLISTED DIALYSIS PROCEDURE, INPATIENT OR OUTPATIENT	CPT/HCPCS
3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	99512	PX	HOME VISIT FOR HEMODIALYSIS	CPT/HCPCS
3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	99559	PX	HOME INFUSION OF PERITONEAL DIALYSIS, PER DIEM / HOME INFUSION OF PERITONEAL DIALYSIS, PER VISIT	CPT/HCPCS
3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	Z49	DX	ENCOUNTER FOR CARE INVOLVING RENAL DIALYSIS	ICD-10-CM
3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	Z49.0	DX	PREPARATORY CARE FOR RENAL DIALYSIS	ICD-10-CM
3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	Z49.3	DX	ENCOUNTER FOR ADEQUACY TESTING FOR DIALYSIS	ICD-10-CM
3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	Z49.31	DX	ENCOUNTER FOR ADEQUACY TESTING FOR HEMODIALYSIS	ICD-10-CM
3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	Z49.32	DX	ENCOUNTER FOR ADEQUACY TESTING FOR PERITONEAL DIALYSIS	ICD-10-CM
3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	Z49.01	DX	ENCOUNTER FOR FITTING AND ADJUSTMENT OF EXTRACORPOREAL DIALYSIS CATHETER	ICD-10-CM
3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	Z49.02	DX	ENCOUNTER FOR FITTING AND ADJUSTMENT OF PERITONEAL DIALYSIS CATHETER	ICD-10-CM
3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	Z91.15	DX	PATIENT'S NONCOMPLIANCE WITH RENAL DIALYSIS	ICD-10-CM
3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	Z99.2	DX	DEPENDENCE ON RENAL DIALYSIS	ICD-10-CM
3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	R88.0	DX	CLOUDY (HEMODIALYSIS) (PERITONEAL) DIALYSIS EFFLUENT	ICD-10-CM
3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T82.41	DX	BREAKDOWN (MECHANICAL) OF VASCULAR DIALYSIS CATHETER	ICD-10-CM
3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T82.41XA	DX	BREAKDOWN (MECHANICAL) OF VASCULAR DIALYSIS CATHETER, INITIAL ENCOUNTER	ICD-10-CM
3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T82.41XD	DX	BREAKDOWN (MECHANICAL) OF VASCULAR DIALYSIS CATHETER, SUBSEQUENT ENCOUNTER	ICD-10-CM
3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T82.41XS	DX	BREAKDOWN (MECHANICAL) OF VASCULAR DIALYSIS CATHETER, SEQUELA	ICD-10-CM
3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T82.42	DX	DISPLACEMENT OF VASCULAR DIALYSIS CATHETER	ICD-10-CM
3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T82.42XA	DX	DISPLACEMENT OF VASCULAR DIALYSIS CATHETER, INITIAL ENCOUNTER	ICD-10-CM
3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T82.42XD	DX	DISPLACEMENT OF VASCULAR DIALYSIS CATHETER, SUBSEQUENT ENCOUNTER	ICD-10-CM
3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T82.42XS	DX	DISPLACEMENT OF VASCULAR DIALYSIS CATHETER, SEQUELA	ICD-10-CM
3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T82.43	DX	LEAKAGE OF VASCULAR DIALYSIS CATHETER	ICD-10-CM
3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T82.43XA	DX	LEAKAGE OF VASCULAR DIALYSIS CATHETER, INITIAL ENCOUNTER	ICD-10-CM
3	End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T82.43XD	DX	LEAKAGE OF VASCULAR DIALYSIS CATHETER, SUBSEQUENT ENCOUNTER	ICD-10-CM

3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T82.43XS	DX	LEAKAGE OF VASCULAR DIALYSIS CATHETER, SEQUELA	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T82.49	DX	OTHER COMPLICATION OF VASCULAR DIALYSIS CATHETER	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T82.49XA	DX	OTHER COMPLICATION OF VASCULAR DIALYSIS CATHETER, INITIAL ENCOUNTER	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T82.49XD	DX	OTHER COMPLICATION OF VASCULAR DIALYSIS CATHETER, SUBSEQUENT ENCOUNTER	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T82.49XS	DX	BREAKDOWN (MECHANICAL) OF INTRAPERITONEAL DIALYSIS CATHETER	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T85.611	DX	BREAKDOWN (MECHANICAL) OF INTRAPERITONEAL DIALYSIS CATHETER, INITIAL ENCOUNTER	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T85.611A	DX	BREAKDOWN (MECHANICAL) OF INTRAPERITONEAL DIALYSIS CATHETER, INITIAL ENCOUNTER	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T85.611D	DX	BREAKDOWN (MECHANICAL) OF INTRAPERITONEAL DIALYSIS CATHETER, SUBSEQUENT ENCOUNTER	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T85.611S	DX	BREAKDOWN (MECHANICAL) OF INTRAPERITONEAL DIALYSIS CATHETER, SEQUELA	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T85.621	DX	DISPLACEMENT OF INTRAPERITONEAL DIALYSIS CATHETER	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T85.621A	DX	DISPLACEMENT OF INTRAPERITONEAL DIALYSIS CATHETER, INITIAL ENCOUNTER	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T85.621D	DX	DISPLACEMENT OF INTRAPERITONEAL DIALYSIS CATHETER, SUBSEQUENT ENCOUNTER	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T85.621S	DX	DISPLACEMENT OF INTRAPERITONEAL DIALYSIS CATHETER, SEQUELA	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T85.631	DX	LEAKAGE OF INTRAPERITONEAL DIALYSIS CATHETER	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T85.631A	DX	LEAKAGE OF INTRAPERITONEAL DIALYSIS CATHETER, INITIAL ENCOUNTER	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T85.631D	DX	LEAKAGE OF INTRAPERITONEAL DIALYSIS CATHETER, SUBSEQUENT ENCOUNTER	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T85.631S	DX	LEAKAGE OF INTRAPERITONEAL DIALYSIS CATHETER, SEQUELA	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T85.691	DX	OTHER MECHANICAL COMPLICATION OF INTRAPERITONEAL DIALYSIS CATHETER	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T85.691A	DX	OTHER MECHANICAL COMPLICATION OF INTRAPERITONEAL DIALYSIS CATHETER, INITIAL ENCOUNTER	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T85.691D	DX	OTHER MECHANICAL COMPLICATION OF INTRAPERITONEAL DIALYSIS CATHETER, SUBSEQUENT ENCOUNTER	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T85.691S	DX	OTHER MECHANICAL COMPLICATION OF INTRAPERITONEAL DIALYSIS CATHETER, SEQUELA	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T85.71	DX	INFECTION AND INFLAMMATORY REACTION DUE TO PERITONEAL DIALYSIS CATHETER	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T85.71XA	DX	INFECTION AND INFLAMMATORY REACTION DUE TO PERITONEAL DIALYSIS CATHETER, INITIAL ENCOUNTER	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T85.71XD	DX	INFECTION AND INFLAMMATORY REACTION DUE TO PERITONEAL DIALYSIS CATHETER, SUBSEQUENT ENCOUNTER	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T85.71XS	DX	INFECTION AND INFLAMMATORY REACTION DUE TO PERITONEAL DIALYSIS CATHETER, SEQUELA	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	Y84.1	DX	KIDNEY DIALYSIS AS THE CAUSE OF ABNORMAL REACTION OF THE PATIENT, OR OF LATER COMPLICATION, WITHOUT MENTION OF MISADVENTURE AT THE TIME OF THE PROCEDURE	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	5A1D70Z	PX	PERFORMANCE OF URINARY FILTRATION, INTERMITTENT, LESS THAN 6 HOURS PER DAY	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	5A1D80Z	PX	PERFORMANCE OF URINARY FILTRATION, PROLONGED INTERMITTENT, 6-18 HOURS PER DAY	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	5A1D90Z	PX	PERFORMANCE OF URINARY FILTRATION, CONTINUOUS, GREATER THAN 18 HOURS PER DAY	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	5A1D00Z	PX	PERFORMANCE OF URINARY FILTRATION, SINGLE	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	5A1D60Z	PX	PERFORMANCE OF URINARY FILTRATION, MULTIPLE	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	3E1M39Z	PX	IRRIGATION OF PERITONEAL CAVITY USING DIALYSATE, PERCUTANEOUS APPROACH	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	90945	PX	DIALYSIS PROCEDURE OTHER THAN HEMODIALYSIS (E.G., PERITONEAL DIALYSIS, HEMOFILTRATION, OR OTHER CONTINUOUS RENAL REPLACEMENT THERAPIES), WITH SINGLE EVALUATION BY A PHYSICIAN OR OTHER QUALIFIED HEALTH CARE PROFESSIONAL	CPT/HCPCS
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	90947	PX	DIALYSIS PROCEDURE OTHER THAN HEMODIALYSIS (E.G., PERITONEAL DIALYSIS, HEMOFILTRATION, OR OTHER CONTINUOUS RENAL REPLACEMENT THERAPIES) REQUIRING REPEATED EVALUATIONS BY A PHYSICIAN OR OTHER QUALIFIED HEALTH CARE PROFESSIONAL, WITH OR WITHOUT SUBSTANTIAL REVISION OF DIALYSIS PRESCRIPTION	CPT/HCPCS
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	Z94.0	DX	KIDNEY TRANSPLANT STATUS	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T86.1	DX	COMPLICATIONS OF KIDNEY TRANSPLANT	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T86.10	DX	UNSPECIFIED COMPLICATION OF KIDNEY TRANSPLANT	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T86.11	DX	KIDNEY TRANSPLANT REJECTION	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T86.12	DX	KIDNEY TRANSPLANT FAILURE	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T86.13	DX	KIDNEY TRANSPLANT INFECTION	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	T86.19	DX	OTHER COMPLICATION OF KIDNEY TRANSPLANT	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	Z48.22	DX	ENCOUNTER FOR AFTERCARE FOLLOWING KIDNEY TRANSPLANT	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	0TY00Z0	PX	TRANSPLANTATION OF RIGHT KIDNEY, ALLOGENEIC, OPEN APPROACH	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	0TY00Z1	PX	TRANSPLANTATION OF RIGHT KIDNEY, SYNGENEIC, OPEN APPROACH	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	0TY00Z2	PX	TRANSPLANTATION OF RIGHT KIDNEY, ZOOPLASTIC, OPEN APPROACH	ICD-10-CM

3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	0TY10Z0	PX	TRANSPLANTATION OF LEFT KIDNEY, ALLOGENEIC, OPEN APPROACH	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	0TY10Z1	PX	TRANSPLANTATION OF LEFT KIDNEY, SYNGENEIC, OPEN APPROACH	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	0TY10Z2	PX	TRANSPLANTATION OF LEFT KIDNEY, ZOOPLASTIC, OPEN APPROACH	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	0TS00ZZ	PX	REPOSITION RIGHT KIDNEY, OPEN APPROACH	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	0TS10ZZ	PX	REPOSITION LEFT KIDNEY, OPEN APPROACH	ICD-10-CM
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	50360	PX	RENAL ALLOTRANSPLANTATION, IMPLANTATION OF GRAFT; WITHOUT RECIPIENT NEPHRECTOMY	CPT/HCPCS
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	50365	PX	RENAL ALLOTRANSPLANTATION, IMPLANTATION OF GRAFT; WITH RECIPIENT NEPHRECTOMY	CPT/HCPCS
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	50370	PX	REMOVAL OF TRANSPLANTED RENAL ALLOGRAFT	CPT/HCPCS
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	50380	PX	RENAL AUTOTRANSPLANTATION, REIMPLANTATION OF KIDNEY	CPT/HCPCS
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	G0257	PX	UNSCHEDULED OR EMERGENCY DIALYSIS TREATMENT FOR AN ESRD PATIENT IN A HOSPITAL OUTPATIENT DEPARTMENT THAT IS NOT CERTIFIED AS AN ESRD FACILITY	CPT/HCPCS
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	G0319	PX	END STAGE RENAL DISEASE (ESRD) RELATED SERVICES DURING THE COURSE OF TREATMENT, FOR PATIENTS 20 YEARS OF AGE AND OVER; WITH 1 FACE-TO-FACE PHYSICIAN VISIT PER MONTH / END STAGE RENAL DISEASE (ESRD) RELATED SERVICES DURING THE COURSE OF TREATMENT, FOR PATIENTS 20 YEARS OF AGE AND OVER; WITH 1 FACE-TO-FACE PHYSICIAN VISIT PER MONTH	CPT/HCPCS
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	G0326	PX	END STAGE RENAL DISEASE (ESRD) RELATED SERVICES FOR HOME DIALYSIS (LESS THAN FULL MONTH), PER DAY; FOR PATIENTS BETWEEN TWELVE AND NINETEEN YEARS OF AGE / END STAGE RENAL DISEASE (ESRD) RELATED SERVICES LESS THAN FULL MONTH, PER DAY; FOR PATIENTS BETWEEN TWELVE AND NINETEEN YEARS OF AGE	CPT/HCPCS
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	S9335	PX	HOME THERAPY, HEMODIALYSIS; ADMINISTRATIVE SERVICES, PROFESSIONAL PHARMACY SERVICES, CARE COORDINATION, AND ALL NECESSARY SUPPLIES AND EQUIPMENT (DRUGS AND NURSING SERVICES CODED SEPARATELY), PER DIEM	CPT/HCPCS
4 History of bariatric surgery	Z98.84	DX	BARIASTRIC SURGERY STATUS	ICD-10-CM
4 History of bariatric surgery	K95.01	DX	INFECTION DUE TO GASTRIC BAND PROCEDURE	ICD-10-CM
4 History of bariatric surgery	K95.09	DX	OTHER COMPLICATIONS OF GASTRIC BAND PROCEDURE	ICD-10-CM
4 History of bariatric surgery	K95.81	DX	INFECTION DUE TO OTHER BARIASTRIC PROCEDURE	ICD-10-CM
4 History of bariatric surgery	K95.89	DX	OTHER COMPLICATIONS OF OTHER BARIASTRIC PROCEDURE	ICD-10-CM
4 History of bariatric surgery	0DB60ZZ	PX	EXCISION OF STOMACH, OPEN APPROACH	ICD-10-CM
4 History of bariatric surgery	0DB63ZZ	PX	EXCISION OF STOMACH, PERCUTANEOUS APPROACH	ICD-10-CM
4 History of bariatric surgery	0DB67ZZ	PX	EXCISION OF STOMACH, VIA NATURAL OR ARTIFICIAL OPENING	ICD-10-CM
4 History of bariatric surgery	0D1607A	PX	BYPASS STOMACH TO JEJUNUM WITH AUTOLOGOUS TISSUE SUBSTITUTE, OPEN APPROACH	ICD-10-CM
4 History of bariatric surgery	0D1607B	PX	BYPASS STOMACH TO ILEUM WITH AUTOLOGOUS TISSUE SUBSTITUTE, OPEN APPROACH	ICD-10-CM
4 History of bariatric surgery	0D1607L	PX	BYPASS STOMACH TO TRANSVERSE COLON WITH AUTOLOGOUS TISSUE SUBSTITUTE, OPEN APPROACH	ICD-10-CM
4 History of bariatric surgery	0D160JA	PX	BYPASS STOMACH TO JEJUNUM WITH SYNTHETIC SUBSTITUTE, OPEN APPROACH	ICD-10-CM
4 History of bariatric surgery	0D160JB	PX	BYPASS STOMACH TO ILEUM WITH SYNTHETIC SUBSTITUTE, OPEN APPROACH	ICD-10-CM
4 History of bariatric surgery	0D160JL	PX	BYPASS STOMACH TO TRANSVERSE COLON WITH SYNTHETIC SUBSTITUTE, OPEN APPROACH	ICD-10-CM
4 History of bariatric surgery	0D160KA	PX	BYPASS STOMACH TO JEJUNUM WITH NONAUTOLOGOUS TISSUE SUBSTITUTE, OPEN APPROACH	ICD-10-CM
4 History of bariatric surgery	0D160KB	PX	BYPASS STOMACH TO ILEUM WITH NONAUTOLOGOUS TISSUE SUBSTITUTE, OPEN APPROACH	ICD-10-CM
4 History of bariatric surgery	0D160KL	PX	BYPASS STOMACH TO TRANSVERSE COLON WITH NONAUTOLOGOUS TISSUE SUBSTITUTE, OPEN APPROACH	ICD-10-CM
4 History of bariatric surgery	0D160ZA	PX	BYPASS STOMACH TO JEJUNUM, OPEN APPROACH	ICD-10-CM
4 History of bariatric surgery	0D160ZB	PX	BYPASS STOMACH TO ILEUM, OPEN APPROACH	ICD-10-CM
4 History of bariatric surgery	0D160ZL	PX	BYPASS STOMACH TO TRANSVERSE COLON, OPEN APPROACH	ICD-10-CM
4 History of bariatric surgery	0D1687A	PX	BYPASS STOMACH TO JEJUNUM WITH AUTOLOGOUS TISSUE SUBSTITUTE, VIA NATURAL OR ARTIFICIAL OPENING ENDOSCOPIC	ICD-10-CM
4 History of bariatric surgery	0D1687B	PX	BYPASS STOMACH TO ILEUM WITH AUTOLOGOUS TISSUE SUBSTITUTE, VIA NATURAL OR ARTIFICIAL OPENING ENDOSCOPIC	ICD-10-CM
4 History of bariatric surgery	0D1687L	PX	BYPASS STOMACH TO TRANSVERSE COLON WITH AUTOLOGOUS TISSUE SUBSTITUTE, VIA NATURAL OR ARTIFICIAL OPENING ENDOSCOPIC	ICD-10-CM
4 History of bariatric surgery	0D168JA	PX	BYPASS STOMACH TO JEJUNUM WITH SYNTHETIC SUBSTITUTE, VIA NATURAL OR ARTIFICIAL OPENING ENDOSCOPIC	ICD-10-CM

4 History of bariatric surgery	0D168JB PX	BYPASS STOMACH TO ILEUM WITH SYNTHETIC SUBSTITUTE, VIA NATURAL OR ARTIFICIAL OPENING ENDOSCOPIC	ICD-10-CM
4 History of bariatric surgery	0D168JL PX	BYPASS STOMACH TO TRANSVERSE COLON WITH SYNTHETIC SUBSTITUTE, VIA NATURAL OR ARTIFICIAL OPENING ENDOSCOPIC	ICD-10-CM
4 History of bariatric surgery	0D168KA PX	BYPASS STOMACH TO JEJUNUM WITH NONAUTOLOGOUS TISSUE SUBSTITUTE, VIA NATURAL OR ARTIFICIAL OPENING ENDOSCOPIC	ICD-10-CM
4 History of bariatric surgery	0D168KB PX	BYPASS STOMACH TO ILEUM WITH NONAUTOLOGOUS TISSUE SUBSTITUTE, VIA NATURAL OR ARTIFICIAL OPENING ENDOSCOPIC	ICD-10-CM
4 History of bariatric surgery	0D168KL PX	BYPASS STOMACH TO TRANSVERSE COLON WITH NONAUTOLOGOUS TISSUE SUBSTITUTE, VIA NATURAL OR ARTIFICIAL OPENING ENDOSCOPIC	ICD-10-CM
4 History of bariatric surgery	0D168ZA PX	BYPASS STOMACH TO JEJUNUM, VIA NATURAL OR ARTIFICIAL OPENING ENDOSCOPIC	ICD-10-CM
4 History of bariatric surgery	0D168ZB PX	BYPASS STOMACH TO ILEUM, VIA NATURAL OR ARTIFICIAL OPENING ENDOSCOPIC	ICD-10-CM
4 History of bariatric surgery	0D168ZL PX	BYPASS STOMACH TO TRANSVERSE COLON, VIA NATURAL OR ARTIFICIAL OPENING ENDOSCOPIC	ICD-10-CM
4 History of bariatric surgery	0D16479 PX	BYPASS STOMACH TO DUODENUM WITH AUTOLOGOUS TISSUE SUBSTITUTE, PERCUTANEOUS ENDOSCOPIC APPROACH	ICD-10-CM
4 History of bariatric surgery	0D1647A PX	BYPASS STOMACH TO JEJUNUM WITH AUTOLOGOUS TISSUE SUBSTITUTE, PERCUTANEOUS ENDOSCOPIC APPROACH	ICD-10-CM
4 History of bariatric surgery	0D1647B PX	BYPASS STOMACH TO ILEUM WITH AUTOLOGOUS TISSUE SUBSTITUTE, PERCUTANEOUS ENDOSCOPIC APPROACH	ICD-10-CM
4 History of bariatric surgery	0D1647L PX	BYPASS STOMACH TO TRANSVERSE COLON WITH AUTOLOGOUS TISSUE SUBSTITUTE, PERCUTANEOUS ENDOSCOPIC APPROACH	ICD-10-CM
4 History of bariatric surgery	0D164J9 PX	BYPASS STOMACH TO DUODENUM WITH SYNTHETIC SUBSTITUTE, PERCUTANEOUS ENDOSCOPIC APPROACH	ICD-10-CM
4 History of bariatric surgery	0D164JA PX	BYPASS STOMACH TO JEJUNUM WITH SYNTHETIC SUBSTITUTE, PERCUTANEOUS ENDOSCOPIC APPROACH	ICD-10-CM
4 History of bariatric surgery	0D164JB PX	BYPASS STOMACH TO ILEUM WITH SYNTHETIC SUBSTITUTE, PERCUTANEOUS ENDOSCOPIC APPROACH	ICD-10-CM
4 History of bariatric surgery	0D164JL PX	BYPASS STOMACH TO TRANSVERSE COLON WITH SYNTHETIC SUBSTITUTE, PERCUTANEOUS ENDOSCOPIC APPROACH	ICD-10-CM
4 History of bariatric surgery	0D164K9 PX	BYPASS STOMACH TO DUODENUM WITH NONAUTOLOGOUS TISSUE SUBSTITUTE, PERCUTANEOUS ENDOSCOPIC APPROACH	ICD-10-CM
4 History of bariatric surgery	0D164KA PX	BYPASS STOMACH TO JEJUNUM WITH NONAUTOLOGOUS TISSUE SUBSTITUTE, PERCUTANEOUS ENDOSCOPIC APPROACH	ICD-10-CM
4 History of bariatric surgery	0D164KB PX	BYPASS STOMACH TO ILEUM WITH NONAUTOLOGOUS TISSUE SUBSTITUTE, PERCUTANEOUS ENDOSCOPIC APPROACH	ICD-10-CM
4 History of bariatric surgery	0D164KL PX	BYPASS STOMACH TO TRANSVERSE COLON WITH NONAUTOLOGOUS TISSUE SUBSTITUTE, PERCUTANEOUS ENDOSCOPIC APPROACH	ICD-10-CM
4 History of bariatric surgery	0D164Z9 PX	BYPASS STOMACH TO DUODENUM, PERCUTANEOUS ENDOSCOPIC APPROACH	ICD-10-CM
4 History of bariatric surgery	0D164ZA PX	BYPASS STOMACH TO JEJUNUM, PERCUTANEOUS ENDOSCOPIC APPROACH	ICD-10-CM
4 History of bariatric surgery	0D164ZB PX	BYPASS STOMACH TO ILEUM, PERCUTANEOUS ENDOSCOPIC APPROACH	ICD-10-CM
4 History of bariatric surgery	0D164ZL PX	BYPASS STOMACH TO TRANSVERSE COLON, PERCUTANEOUS ENDOSCOPIC APPROACH	ICD-10-CM
4 History of bariatric surgery	0D16079 PX	BYPASS STOMACH TO DUODENUM WITH AUTOLOGOUS TISSUE SUBSTITUTE, OPEN APPROACH	ICD-10-CM
4 History of bariatric surgery	0D160J9 PX	BYPASS STOMACH TO DUODENUM WITH SYNTHETIC SUBSTITUTE, OPEN APPROACH	ICD-10-CM
4 History of bariatric surgery	0D160K9 PX	BYPASS STOMACH TO DUODENUM WITH NONAUTOLOGOUS TISSUE SUBSTITUTE, OPEN APPROACH	ICD-10-CM
4 History of bariatric surgery	0D160Z9 PX	BYPASS STOMACH TO DUODENUM, OPEN APPROACH	ICD-10-CM
4 History of bariatric surgery	0D16879 PX	BYPASS STOMACH TO DUODENUM WITH AUTOLOGOUS TISSUE SUBSTITUTE, VIA NATURAL OR ARTIFICIAL OPENING ENDOSCOPIC	ICD-10-CM
4 History of bariatric surgery	0D168J9 PX	BYPASS STOMACH TO DUODENUM WITH SYNTHETIC SUBSTITUTE, VIA NATURAL OR ARTIFICIAL OPENING ENDOSCOPIC	ICD-10-CM
4 History of bariatric surgery	0D168K9 PX	BYPASS STOMACH TO DUODENUM WITH NONAUTOLOGOUS TISSUE SUBSTITUTE, VIA NATURAL OR ARTIFICIAL OPENING ENDOSCOPIC	ICD-10-CM
4 History of bariatric surgery	0D168Z9 PX	BYPASS STOMACH TO DUODENUM, VIA NATURAL OR ARTIFICIAL OPENING ENDOSCOPIC	ICD-10-CM
4 History of bariatric surgery	0DQ64ZZ PX	REPAIR STOMACH, PERCUTANEOUS ENDOSCOPIC APPROACH	ICD-10-CM
4 History of bariatric surgery	43770 PX	LAPAROSCOPY, SURGICAL, GASTRIC RESTRICTIVE PROCEDURE: PLACEMENT OF ADJUSTABLE GASTRIC BAND	CPT/HCPCS
4 History of bariatric surgery	43644 PX	LAPAROSCOPY, SURGICAL, GASTRIC RESTRICTIVE PROCEDURE WITH GASTRIC BYPASS AND ROUX-EN-Y GASTROENTEROSTOMY (ROUX LIMB 150 CM OR LESS)	CPT/HCPCS
4 History of bariatric surgery	43645 PX	LAPAROSCOPY, SURGICAL, GASTRIC RESTRICTIVE WITH GASTRIC BYPASS AND SMALL INTESTINE RECONSTRUCTION TO LIMIT ABSORPTION	CPT/HCPCS

4 History of bariatric surgery	43842 PX	GASTRIC RESTRICTIVE PROCEDURE, WITHOUT GASTRIC BYPASS, FOR MORBID OBESITY, VERTICAL BANDED GASTROPLASTY	CPT/HCPCS	
4 History of bariatric surgery	43843 PX	OTHER GASTRIC RESTRICTIVE PROCEDURES, WITHOUT GASTRIC BYPASS, AND OTHER THAN VERTICAL BANDED GASTROPLASTY	CPT/HCPCS	
4 History of bariatric surgery	43844 PX	LAPAROSCOPIC GASTRIC RESTRICTIVE PROCEDURE WITH GASTRIC BYPASS AND ROUX EN Y GASTROENTEROSTOMY	CPT/HCPCS	
4 History of bariatric surgery	43845 PX	GASTRIC RESTRICTIVE PROCEDURE WITH PARTIAL GASTRECTOMY, PYLORUS-PRESERVING DUODENILEOSTOMY AND ILEOILEOSTOMY TO LIMIT ABSORPTION (BPD)	CPT/HCPCS	
4 History of bariatric surgery	43846 PX	GASTRIC RESTRICTIVE PROCEDURE, WITH GASTRIC BYPASS, FOR MORBID OBESITY; WITH SHORT LIMB (LESS THAN 100 CM) ROUX-EN-Y GASTROENTEROSTOMY	CPT/HCPCS	
4 History of bariatric surgery	43847 PX	GASTRIC RESTRICTIVE PROCEDURE, WITH SMALL INTESTINE RECONSTRUCTION TO LIMIT ABSORPTION; WITH LONG LIMB (>150 CM) ROUX-EN-Y	CPT/HCPCS	
4 History of bariatric surgery	43659 PX	GASTRECTOMY, TOTAL; WITH ROUX-EN-Y RECONSTRUCTION; MINI-GASTRIC BYPASS	CPT/HCPCS	
4 History of bariatric surgery	52082 PX	LAPAROSCOPY, SURGICAL; GASTRIC RESTRICTIVE PROCEDURE, ADJUSTABLE GASTRIC BAND INCLUDES PLACEMENT OF SUBCUTANEOUS PORT	CPT/HCPCS	
4 History of bariatric surgery	52085 PX	LAPAROSCOPIC GASTRIC BYPASS	CPT/HCPCS	
4 History of bariatric surgery	43775 PX	LAPAROSCOPY, SURGICAL, GASTRIC RESTRICTIVE PROCEDURE; LONGITUDINAL GASTRECTOMY (E.G. SLEEVE GASTRECTOMY)	CPT/HCPCS	
4 History of bariatric surgery	43848 PX	REVISION RYGB	CPT/HCPCS	
5 History of nursing home admission	64		IP: Discharge status	Marketscan da
5 History of nursing home admission	83		IP: Discharge status	Marketscan da
5 History of nursing home admission	92		IP: Discharge status	Marketscan da
5 History of nursing home admission	03		IP: Discharge status	Optum databa
5 History of nursing home admission	64		IP: Discharge status	Optum databa
5 History of nursing home admission	0013		Provider category code	Optum databa
5 History of nursing home admission	0014		Provider category code	Optum databa
5 History of nursing home admission	0016		Provider category code	Optum databa
5 History of nursing home admission	0017		Provider category code	Optum databa
5 History of nursing home admission	0018		Provider category code	Optum databa
5 History of nursing home admission	3009		Provider category code	Optum databa
5 History of nursing home admission	99301 PX	EVALUATION AND MANAGEMENT OF A NEW OR ESTABLISHED PATIENT INVOLVING AN ANNUAL NURSING FACILITY ASSESSMENT WHICH REQUIRES THESE THREE KEY COMPONENTS: A DETAILED INTERVAL HISTORY; A COMPREHENSIVE EXAMINATION; AND MEDICAL DECISION MAKING THAT IS STRAIGHTFORWARD OR OF LOW COMPLEXITY. COUNSELING AND/OR COORDINATION OF CARE WITH OTHER PROVIDERS OR AGENCIES ARE PROVIDED CONSISTENT WITH THE NATURE OF THE PROBLEM(S) AND THE PATIENT'S AND/OR FAMILY'S NEEDS. USUALLY, THE PATIENT IS STABLE, RECOVERING OR IMPROVING. THE REVIEW AND AFFIRMATION OF THE MEDICAL PLAN OF CARE IS REQUIRED. PHYSICIANS TYPICALLY SPEND 30 MINUTES AT THE BEDSIDE AND ON THE PATIENT'S FACILITY FLOOR OR UNIT.	CPT/HCPCS	All databases
5 History of nursing home admission	99302 PX	EVALUATION AND MANAGEMENT OF A NEW OR ESTABLISHED PATIENT INVOLVING A NURSING FACILITY ASSESSMENT WHICH REQUIRES THESE THREE KEY COMPONENTS: A DETAILED INTERVAL HISTORY; A COMPREHENSIVE EXAMINATION; AND MEDICAL DECISION MAKING OF MODERATE TO HIGH COMPLEXITY. COUNSELING AND/OR COORDINATION OF CARE WITH OTHER PROVIDERS OR AGENCIES ARE PROVIDED CONSISTENT WITH THE NATURE OF THE PROBLEM(S) AND THE PATIENT'S AND/OR FAMILY'S NEEDS. USUALLY, THE PATIENT HAS DEVELOPED A SIGNIFICANT COMPLICATION OR A SIGNIFICANT NEW PROBLEM AND HAS HAD A MAJOR PERMANENT CHANGE IN STATUS. THE CREATION OF A NEW MEDICAL PLAN OF CARE IS REQUIRED. PHYSICIANS TYPICALLY SPEND 40 MINUTES AT THE BEDSIDE AND ON THE PATIENT'S FACILITY FLOOR OR UNIT.	CPT/HCPCS	All databases
5 History of nursing home admission	99303 PX	EVALUATION AND MANAGEMENT OF A NEW OR ESTABLISHED PATIENT INVOLVING A NURSING FACILITY ASSESSMENT AT THE TIME OF INITIAL ADMISSION OR READMISSION TO THE FACILITY, WHICH REQUIRES THESE THREE KEY COMPONENTS: A COMPREHENSIVE HISTORY; A COMPREHENSIVE EXAMINATION; AND MEDICAL DECISION MAKING OF MODERATE TO HIGH COMPLEXITY. COUNSELING AND/OR COORDINATION OF CARE WITH OTHER PROVIDERS OR AGENCIES ARE PROVIDED CONSISTENT WITH THE NATURE OF THE PROBLEM(S) AND THE PATIENT'S AND/OR FAMILY'S NEEDS. THE CREATION OF A MEDICAL PLAN OF CARE IS REQUIRED. PHYSICIANS TYPICALLY SPEND 50 MINUTES AT THE BEDSIDE AND ON THE PATIENT'S FACILITY FLOOR OR UNIT.	CPT/HCPCS	All databases

5	History of nursing home admission	99311	PX	SUBSEQUENT NURSING FACILITY CARE, PER DAY, FOR THE EVALUATION AND MANAGEMENT OF A NEW OR ESTABLISHED PATIENT, WHICH REQUIRES AT LEAST TWO OF THESE THREE KEY COMPONENTS: A PROBLEM FOCUSED INTERVAL HISTORY; A PROBLEM FOCUSED EXAMINATION; MEDICAL DECISION MAKING THAT IS STRAIGHTFORWARD OR OF LOW COMPLEXITY. COUNSELING AND/OR COORDINATION OF CARE WITH OTHER PROVIDERS OR AGENCIES ARE PROVIDED CONSISTENT WITH THE NATURE OF THE PROBLEM(S) AND THE PATIENT'S AND/OR FAMILY'S NEEDS. USUALLY, THE PATIENT IS STABLE, RECOVERING OR IMPROVING. PHYSICIANS TYPICALLY SPEND 15 MINUTES AT THE BEDSIDE AND ON THE PATIENT'S FACILITY FLOOR OR UNIT.	CPT/HCPCS	All databases
5	History of nursing home admission	99312	PX	SUBSEQUENT NURSING FACILITY CARE, PER DAY, FOR THE EVALUATION AND MANAGEMENT OF A NEW OR ESTABLISHED PATIENT, WHICH REQUIRES AT LEAST TWO OF THESE THREE KEY COMPONENTS: AN EXPANDED PROBLEM FOCUSED INTERVAL HISTORY; AN EXPANDED PROBLEM FOCUSED EXAMINATION; MEDICAL DECISION MAKING OF MODERATE COMPLEXITY. COUNSELING AND/OR COORDINATION OF CARE WITH OTHER PROVIDERS OR AGENCIES ARE PROVIDED CONSISTENT WITH THE NATURE OF THE PROBLEM(S) AND THE PATIENT'S AND/OR FAMILY'S NEEDS. USUALLY, THE PATIENT IS RESPONDING INADEQUATELY TO THERAPY OR HAS DEVELOPED A MINOR COMPLICATION. PHYSICIANS TYPICALLY SPEND 25 MINUTES AT THE BEDSIDE AND ON THE PATIENT'S FACILITY FLOOR OR UNIT.	CPT/HCPCS	All databases
5	History of nursing home admission	99313	PX	SUBSEQUENT NURSING FACILITY CARE, PER DAY, FOR THE EVALUATION AND MANAGEMENT OF A NEW OR ESTABLISHED PATIENT, WHICH REQUIRES AT LEAST TWO OF THESE THREE KEY COMPONENTS: A DETAILED INTERVAL HISTORY; A DETAILED EXAMINATION; MEDICAL DECISION MAKING OF MODERATE TO HIGH COMPLEXITY. COUNSELING AND/OR COORDINATION OF CARE WITH OTHER PROVIDERS OR AGENCIES ARE PROVIDED CONSISTENT WITH THE NATURE OF THE PROBLEM(S) AND THE PATIENT'S AND/OR FAMILY'S NEEDS. USUALLY, THE PATIENT HAS DEVELOPED A SIGNIFICANT COMPLICATION OR A SIGNIFICANT NEW PROBLEM. PHYSICIANS TYPICALLY SPEND 35 MINUTES AT THE BEDSIDE AND ON THE PATIENT'S FACILITY FLOOR OR UNIT.	CPT/HCPCS	All databases
5	History of nursing home admission	99315	PX	NURSING FACILITY DISCHARGE MANAGEMENT; 30 MINUTES OR LESS TOTAL TIME ON THE DATE OF THE ENCOUNTER	CPT/HCPCS	All databases
5	History of nursing home admission	99316	PX	NURSING FACILITY DISCHARGE MANAGEMENT; MORE THAN 30 MINUTES TOTAL TIME ON THE DATE OF THE ENCOUNTER	CPT/HCPCS	All databases
5	History of nursing home admission	99379	PX	SUPERVISION OF A NURSING FACILITY PATIENT (PATIENT NOT PRESENT) REQUIRING COMPLEX AND MULTIDISCIPLINARY CARE MODALITIES INVOLVING REGULAR DEVELOPMENT AND/OR REVISION OF CARE PLANS BY THAT INDIVIDUAL, REVIEW OF SUBSEQUENT REPORTS OF PATIENT STATUS, REVIEW OF RELATED LABORATORY AND OTHER STUDIES, COMMUNICATION (INCLUDING TELEPHONE CALLS) FOR PURPOSES OF ASSESSMENT OR CARE DECISIONS WITH HEALTH CARE PROFESSIONAL(S), FAMILY MEMBER(S), SURROGATE DECISION MAKER(S) (EG, LEGAL GUARDIAN) AND/OR KEY CAREGIVER(S) INVOLVED IN PATIENT'S CARE, INTEGRATION OF NEW INFORMATION INTO THE MEDICAL TREATMENT PLAN AND/OR ADJUSTMENT OF MEDICAL THERAPY, WITHIN A CALENDAR MONTH; 15-29 MINUTES	CPT/HCPCS	All databases
5	History of nursing home admission	99380	PX	SUPERVISION OF A NURSING FACILITY PATIENT (PATIENT NOT PRESENT) REQUIRING COMPLEX AND MULTIDISCIPLINARY CARE MODALITIES INVOLVING REGULAR DEVELOPMENT AND/OR REVISION OF CARE PLANS BY THAT INDIVIDUAL, REVIEW OF SUBSEQUENT REPORTS OF PATIENT STATUS, REVIEW OF RELATED LABORATORY AND OTHER STUDIES, COMMUNICATION (INCLUDING TELEPHONE CALLS) FOR PURPOSES OF ASSESSMENT OR CARE DECISIONS WITH HEALTH CARE PROFESSIONAL(S), FAMILY MEMBER(S), SURROGATE DECISION MAKER(S) (EG, LEGAL GUARDIAN) AND/OR KEY CAREGIVER(S) INVOLVED IN PATIENT'S CARE, INTEGRATION OF NEW INFORMATION INTO THE MEDICAL TREATMENT PLAN AND/OR ADJUSTMENT OF MEDICAL THERAPY, WITHIN A CALENDAR MONTH; 30 MINUTES OR MORE	CPT/HCPCS	All databases
6	Pregnant female or breast-feeding	H351	DX	RETINOPATHY OF PREMATURITY	ICD-10-CM	
6	Pregnant female or breast-feeding	H3510	DX	RETINOPATHY OF PREMATURITY, UNSPECIFIED	ICD-10-CM	
6	Pregnant female or breast-feeding	H35101	DX	RETINOPATHY OF PREMATURITY, UNSPECIFIED, RIGHT EYE	ICD-10-CM	

6 Pregnant female or breast-feeding	000.90	DX	UNSPECIFIED ECTOPIC PREGNANCY WITHOUT INTRAUTERINE PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	000.91	DX	UNSPECIFIED ECTOPIC PREGNANCY WITH INTRAUTERINE PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	001	DX	HYDATIDIFORM MOLE	ICD-10-CM
6 Pregnant female or breast-feeding	001.0	DX	CLASSICAL HYDATIDIFORM MOLE	ICD-10-CM
6 Pregnant female or breast-feeding	001.1	DX	INCOMPLETE AND PARTIAL HYDATIDIFORM MOLE	ICD-10-CM
6 Pregnant female or breast-feeding	001.9	DX	HYDATIDIFORM MOLE, UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	002	DX	OTHER ABNORMAL PRODUCTS OF CONCEPTION	ICD-10-CM
6 Pregnant female or breast-feeding	002.0	DX	BLIGHTED OVUM AND NONHYDATIDIFORM MOLE	ICD-10-CM
6 Pregnant female or breast-feeding	002.1	DX	MISSED ABORTION	ICD-10-CM
6 Pregnant female or breast-feeding	002.8	DX	OTHER SPECIFIED ABNORMAL PRODUCTS OF CONCEPTION	ICD-10-CM
6 Pregnant female or breast-feeding	002.81	DX	INAPPROPRIATE CHANGE IN QUANTITATIVE HUMAN CHORIONIC GONADOTROPIN (HCG) IN EARLY PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	002.89	DX	OTHER ABNORMAL PRODUCTS OF CONCEPTION	ICD-10-CM
6 Pregnant female or breast-feeding	002.9	DX	ABNORMAL PRODUCT OF CONCEPTION, UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	003	DX	SPONTANEOUS ABORTION	ICD-10-CM
6 Pregnant female or breast-feeding	003.0	DX	GENITAL TRACT AND PELVIC INFECTION FOLLOWING INCOMPLETE SPONTANEOUS ABORTION	ICD-10-CM
6 Pregnant female or breast-feeding	003.1	DX	DELAYED OR EXCESSIVE HEMORRHAGE FOLLOWING INCOMPLETE SPONTANEOUS ABORTION	ICD-10-CM
6 Pregnant female or breast-feeding	003.2	DX	EMBOLISM FOLLOWING INCOMPLETE SPONTANEOUS ABORTION	ICD-10-CM
6 Pregnant female or breast-feeding	003.3	DX	OTHER AND UNSPECIFIED COMPLICATIONS FOLLOWING INCOMPLETE SPONTANEOUS ABORTION	ICD-10-CM
6 Pregnant female or breast-feeding	003.30	DX	UNSPECIFIED COMPLICATION FOLLOWING INCOMPLETE SPONTANEOUS ABORTION	ICD-10-CM
6 Pregnant female or breast-feeding	003.31	DX	SHOCK FOLLOWING INCOMPLETE SPONTANEOUS ABORTION	ICD-10-CM
6 Pregnant female or breast-feeding	003.32	DX	RENAL FAILURE FOLLOWING INCOMPLETE SPONTANEOUS ABORTION	ICD-10-CM
6 Pregnant female or breast-feeding	003.33	DX	METABOLIC DISORDER FOLLOWING INCOMPLETE SPONTANEOUS ABORTION	ICD-10-CM
6 Pregnant female or breast-feeding	003.34	DX	DAMAGE TO PELVIC ORGANS FOLLOWING INCOMPLETE SPONTANEOUS ABORTION	ICD-10-CM
6 Pregnant female or breast-feeding	003.35	DX	OTHER VENOUS COMPLICATIONS FOLLOWING INCOMPLETE SPONTANEOUS ABORTION	ICD-10-CM
6 Pregnant female or breast-feeding	003.36	DX	CARDIAC ARREST FOLLOWING INCOMPLETE SPONTANEOUS ABORTION	ICD-10-CM
6 Pregnant female or breast-feeding	003.37	DX	SEPSIS FOLLOWING INCOMPLETE SPONTANEOUS ABORTION	ICD-10-CM
6 Pregnant female or breast-feeding	003.38	DX	URINARY TRACT INFECTION FOLLOWING INCOMPLETE SPONTANEOUS ABORTION	ICD-10-CM
6 Pregnant female or breast-feeding	003.39	DX	INCOMPLETE SPONTANEOUS ABORTION WITH OTHER COMPLICATIONS	ICD-10-CM
6 Pregnant female or breast-feeding	003.4	DX	INCOMPLETE SPONTANEOUS ABORTION WITHOUT COMPLICATION	ICD-10-CM
6 Pregnant female or breast-feeding	003.5	DX	GENITAL TRACT AND PELVIC INFECTION FOLLOWING COMPLETE OR UNSPECIFIED SPONTANEOUS ABORTION	ICD-10-CM
6 Pregnant female or breast-feeding	003.6	DX	DELAYED OR EXCESSIVE HEMORRHAGE FOLLOWING COMPLETE OR UNSPECIFIED SPONTANEOUS ABORTION	ICD-10-CM
6 Pregnant female or breast-feeding	003.7	DX	EMBOLISM FOLLOWING COMPLETE OR UNSPECIFIED SPONTANEOUS ABORTION	ICD-10-CM
6 Pregnant female or breast-feeding	003.8	DX	OTHER AND UNSPECIFIED COMPLICATIONS FOLLOWING COMPLETE OR UNSPECIFIED SPONTANEOUS ABORTION	ICD-10-CM
6 Pregnant female or breast-feeding	003.80	DX	UNSPECIFIED COMPLICATION FOLLOWING COMPLETE OR UNSPECIFIED SPONTANEOUS ABORTION	ICD-10-CM
6 Pregnant female or breast-feeding	003.81	DX	SHOCK FOLLOWING COMPLETE OR UNSPECIFIED SPONTANEOUS ABORTION	ICD-10-CM
6 Pregnant female or breast-feeding	003.82	DX	RENAL FAILURE FOLLOWING COMPLETE OR UNSPECIFIED SPONTANEOUS ABORTION	ICD-10-CM
6 Pregnant female or breast-feeding	003.83	DX	METABOLIC DISORDER FOLLOWING COMPLETE OR UNSPECIFIED SPONTANEOUS ABORTION	ICD-10-CM
6 Pregnant female or breast-feeding	003.84	DX	DAMAGE TO PELVIC ORGANS FOLLOWING COMPLETE OR UNSPECIFIED SPONTANEOUS ABORTION	ICD-10-CM
6 Pregnant female or breast-feeding	003.85	DX	OTHER VENOUS COMPLICATIONS FOLLOWING COMPLETE OR UNSPECIFIED SPONTANEOUS ABORTION	ICD-10-CM
6 Pregnant female or breast-feeding	003.86	DX	CARDIAC ARREST FOLLOWING COMPLETE OR UNSPECIFIED SPONTANEOUS ABORTION	ICD-10-CM
6 Pregnant female or breast-feeding	003.87	DX	SEPSIS FOLLOWING COMPLETE OR UNSPECIFIED SPONTANEOUS ABORTION	ICD-10-CM
6 Pregnant female or breast-feeding	003.88	DX	URINARY TRACT INFECTION FOLLOWING COMPLETE OR UNSPECIFIED SPONTANEOUS ABORTION	ICD-10-CM
6 Pregnant female or breast-feeding	003.89	DX	COMPLETE OR UNSPECIFIED SPONTANEOUS ABORTION WITH OTHER COMPLICATIONS	ICD-10-CM
6 Pregnant female or breast-feeding	003.9	DX	COMPLETE OR UNSPECIFIED SPONTANEOUS ABORTION WITHOUT COMPLICATION	ICD-10-CM
6 Pregnant female or breast-feeding	004	DX	COMPLICATIONS FOLLOWING (INDUCED) TERMINATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	004.5	DX	GENITAL TRACT AND PELVIC INFECTION FOLLOWING (INDUCED) TERMINATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	004.6	DX	DELAYED OR EXCESSIVE HEMORRHAGE FOLLOWING (INDUCED) TERMINATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	004.7	DX	EMBOLISM FOLLOWING (INDUCED) TERMINATION OF PREGNANCY	ICD-10-CM

6 Pregnant female or breast-feeding	004.8	DX	(INDUCED) TERMINATION OF PREGNANCY WITH OTHER AND UNSPECIFIED COMPLICATIONS	ICD-10-CM
6 Pregnant female or breast-feeding	004.80	DX	(INDUCED) TERMINATION OF PREGNANCY WITH UNSPECIFIED COMPLICATIONS	ICD-10-CM
6 Pregnant female or breast-feeding	004.81	DX	SHOCK FOLLOWING (INDUCED) TERMINATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	004.82	DX	RENAL FAILURE FOLLOWING (INDUCED) TERMINATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	004.83	DX	METABOLIC DISORDER FOLLOWING (INDUCED) TERMINATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	004.84	DX	DAMAGE TO PELVIC ORGANS FOLLOWING (INDUCED) TERMINATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	004.85	DX	OTHER VENOUS COMPLICATIONS FOLLOWING (INDUCED) TERMINATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	004.86	DX	CARDIAC ARREST FOLLOWING (INDUCED) TERMINATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	004.87	DX	SEPSIS FOLLOWING (INDUCED) TERMINATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	004.88	DX	URINARY TRACT INFECTION FOLLOWING (INDUCED) TERMINATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	004.89	DX	(INDUCED) TERMINATION OF PREGNANCY WITH OTHER COMPLICATIONS	ICD-10-CM
6 Pregnant female or breast-feeding	007	DX	FAILED ATTEMPTED TERMINATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	007.0	DX	GENITAL TRACT AND PELVIC INFECTION FOLLOWING FAILED ATTEMPTED TERMINATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	007.1	DX	DELAYED OR EXCESSIVE HEMORRHAGE FOLLOWING FAILED ATTEMPTED TERMINATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	007.2	DX	EMBOLISM FOLLOWING FAILED ATTEMPTED TERMINATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	007.3	DX	FAILED ATTEMPTED TERMINATION OF PREGNANCY WITH OTHER AND UNSPECIFIED COMPLICATIONS	ICD-10-CM
6 Pregnant female or breast-feeding	007.30	DX	FAILED ATTEMPTED TERMINATION OF PREGNANCY WITH UNSPECIFIED COMPLICATIONS	ICD-10-CM
6 Pregnant female or breast-feeding	007.31	DX	SHOCK FOLLOWING FAILED ATTEMPTED TERMINATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	007.32	DX	RENAL FAILURE FOLLOWING FAILED ATTEMPTED TERMINATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	007.33	DX	METABOLIC DISORDER FOLLOWING FAILED ATTEMPTED TERMINATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	007.34	DX	DAMAGE TO PELVIC ORGANS FOLLOWING FAILED ATTEMPTED TERMINATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	007.35	DX	OTHER VENOUS COMPLICATIONS FOLLOWING FAILED ATTEMPTED TERMINATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	007.36	DX	CARDIAC ARREST FOLLOWING FAILED ATTEMPTED TERMINATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	007.37	DX	SEPSIS FOLLOWING FAILED ATTEMPTED TERMINATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	007.38	DX	URINARY TRACT INFECTION FOLLOWING FAILED ATTEMPTED TERMINATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	007.39	DX	FAILED ATTEMPTED TERMINATION OF PREGNANCY WITH OTHER COMPLICATIONS	ICD-10-CM
6 Pregnant female or breast-feeding	007.4	DX	FAILED ATTEMPTED TERMINATION OF PREGNANCY WITHOUT COMPLICATION	ICD-10-CM
6 Pregnant female or breast-feeding	008	DX	COMPLICATIONS FOLLOWING ECTOPIC AND MOLAR PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	008.0	DX	GENITAL TRACT AND PELVIC INFECTION FOLLOWING ECTOPIC AND MOLAR PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	008.1	DX	DELAYED OR EXCESSIVE HEMORRHAGE FOLLOWING ECTOPIC AND MOLAR PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	008.2	DX	EMBOLISM FOLLOWING ECTOPIC AND MOLAR PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	008.3	DX	SHOCK FOLLOWING ECTOPIC AND MOLAR PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	008.4	DX	RENAL FAILURE FOLLOWING ECTOPIC AND MOLAR PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	008.5	DX	METABOLIC DISORDERS FOLLOWING AN ECTOPIC AND MOLAR PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	008.6	DX	DAMAGE TO PELVIC ORGANS AND TISSUES FOLLOWING AN ECTOPIC AND MOLAR PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	008.7	DX	OTHER VENOUS COMPLICATIONS FOLLOWING AN ECTOPIC AND MOLAR PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	008.8	DX	OTHER COMPLICATIONS FOLLOWING AN ECTOPIC AND MOLAR PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	008.81	DX	CARDIAC ARREST FOLLOWING AN ECTOPIC AND MOLAR PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	008.82	DX	SEPSIS FOLLOWING ECTOPIC AND MOLAR PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	008.83	DX	URINARY TRACT INFECTION FOLLOWING AN ECTOPIC AND MOLAR PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	008.89	DX	OTHER COMPLICATIONS FOLLOWING AN ECTOPIC AND MOLAR PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	008.9	DX	UNSPECIFIED COMPLICATION FOLLOWING AN ECTOPIC AND MOLAR PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	009	DX	SUPERVISION OF HIGH RISK PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	009.0	DX	SUPERVISION OF PREGNANCY WITH HISTORY OF INFERTILITY	ICD-10-CM
6 Pregnant female or breast-feeding	009.00	DX	SUPERVISION OF PREGNANCY WITH HISTORY OF INFERTILITY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.01	DX	SUPERVISION OF PREGNANCY WITH HISTORY OF INFERTILITY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.02	DX	SUPERVISION OF PREGNANCY WITH HISTORY OF INFERTILITY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.03	DX	SUPERVISION OF PREGNANCY WITH HISTORY OF INFERTILITY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.1	DX	SUPERVISION OF PREGNANCY WITH HISTORY OF ECTOPIC PREGNANCY	ICD-10-CM

6 Pregnant female or breast-feeding	009.10	DX	SUPERVISION OF PREGNANCY WITH HISTORY OF ECTOPIC PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.11	DX	SUPERVISION OF PREGNANCY WITH HISTORY OF ECTOPIC PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.12	DX	SUPERVISION OF PREGNANCY WITH HISTORY OF ECTOPIC PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.13	DX	SUPERVISION OF PREGNANCY WITH HISTORY OF ECTOPIC PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.2	DX	SUPERVISION OF PREGNANCY WITH OTHER POOR REPRODUCTIVE OR OBSTETRIC HISTORY	ICD-10-CM
6 Pregnant female or breast-feeding	009.21	DX	SUPERVISION OF PREGNANCY WITH HISTORY OF PRE-TERM LABOR	ICD-10-CM
6 Pregnant female or breast-feeding	009.211	DX	SUPERVISION OF PREGNANCY WITH HISTORY OF PRE-TERM LABOR, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.212	DX	SUPERVISION OF PREGNANCY WITH HISTORY OF PRE-TERM LABOR, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.213	DX	SUPERVISION OF PREGNANCY WITH HISTORY OF PRE-TERM LABOR, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.219	DX	SUPERVISION OF PREGNANCY WITH HISTORY OF PRE-TERM LABOR, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.29	DX	SUPERVISION OF PREGNANCY WITH OTHER POOR REPRODUCTIVE OR OBSTETRIC HISTORY	ICD-10-CM
6 Pregnant female or breast-feeding	009.291	DX	SUPERVISION OF PREGNANCY WITH OTHER POOR REPRODUCTIVE OR OBSTETRIC HISTORY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.292	DX	SUPERVISION OF PREGNANCY WITH OTHER POOR REPRODUCTIVE OR OBSTETRIC HISTORY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.293	DX	SUPERVISION OF PREGNANCY WITH OTHER POOR REPRODUCTIVE OR OBSTETRIC HISTORY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.299	DX	SUPERVISION OF PREGNANCY WITH OTHER POOR REPRODUCTIVE OR OBSTETRIC HISTORY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.3	DX	SUPERVISION OF PREGNANCY WITH INSUFFICIENT ANTENATAL CARE	ICD-10-CM
6 Pregnant female or breast-feeding	009.30	DX	SUPERVISION OF PREGNANCY WITH INSUFFICIENT ANTENATAL CARE, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.31	DX	SUPERVISION OF PREGNANCY WITH INSUFFICIENT ANTENATAL CARE, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.32	DX	SUPERVISION OF PREGNANCY WITH INSUFFICIENT ANTENATAL CARE, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.33	DX	SUPERVISION OF PREGNANCY WITH INSUFFICIENT ANTENATAL CARE, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.4	DX	SUPERVISION OF PREGNANCY WITH GRAND MULTIPARITY	ICD-10-CM
6 Pregnant female or breast-feeding	009.40	DX	SUPERVISION OF PREGNANCY WITH GRAND MULTIPARITY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.41	DX	SUPERVISION OF PREGNANCY WITH GRAND MULTIPARITY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.42	DX	SUPERVISION OF PREGNANCY WITH GRAND MULTIPARITY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.43	DX	SUPERVISION OF PREGNANCY WITH GRAND MULTIPARITY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.5	DX	SUPERVISION OF ELDERLY PRIMIGRAVIDA AND MULTIGRAVIDA	ICD-10-CM
6 Pregnant female or breast-feeding	009.51	DX	SUPERVISION OF ELDERLY PRIMIGRAVIDA	ICD-10-CM
6 Pregnant female or breast-feeding	009.511	DX	SUPERVISION OF ELDERLY PRIMIGRAVIDA, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.512	DX	SUPERVISION OF ELDERLY PRIMIGRAVIDA, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.513	DX	SUPERVISION OF ELDERLY PRIMIGRAVIDA, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.519	DX	SUPERVISION OF ELDERLY PRIMIGRAVIDA, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.52	DX	SUPERVISION OF ELDERLY MULTIGRAVIDA	ICD-10-CM
6 Pregnant female or breast-feeding	009.521	DX	SUPERVISION OF ELDERLY MULTIGRAVIDA, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.522	DX	SUPERVISION OF ELDERLY MULTIGRAVIDA, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.523	DX	SUPERVISION OF ELDERLY MULTIGRAVIDA, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.529	DX	SUPERVISION OF ELDERLY MULTIGRAVIDA, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.6	DX	SUPERVISION OF YOUNG PRIMIGRAVIDA AND MULTIGRAVIDA	ICD-10-CM
6 Pregnant female or breast-feeding	009.61	DX	SUPERVISION OF YOUNG PRIMIGRAVIDA	ICD-10-CM
6 Pregnant female or breast-feeding	009.611	DX	SUPERVISION OF YOUNG PRIMIGRAVIDA, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.612	DX	SUPERVISION OF YOUNG PRIMIGRAVIDA, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.613	DX	SUPERVISION OF YOUNG PRIMIGRAVIDA, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.619	DX	SUPERVISION OF YOUNG PRIMIGRAVIDA, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.62	DX	SUPERVISION OF YOUNG MULTIGRAVIDA	ICD-10-CM
6 Pregnant female or breast-feeding	009.621	DX	SUPERVISION OF YOUNG MULTIGRAVIDA, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.622	DX	SUPERVISION OF YOUNG MULTIGRAVIDA, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.623	DX	SUPERVISION OF YOUNG MULTIGRAVIDA, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.629	DX	SUPERVISION OF YOUNG MULTIGRAVIDA, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.7	DX	SUPERVISION OF HIGH RISK PREGNANCY DUE TO SOCIAL PROBLEMS	ICD-10-CM
6 Pregnant female or breast-feeding	009.70	DX	SUPERVISION OF HIGH RISK PREGNANCY DUE TO SOCIAL PROBLEMS, UNSPECIFIED TRIMESTER	ICD-10-CM

6 Pregnant female or breast-feeding	009.71	DX	SUPERVISION OF HIGH RISK PREGNANCY DUE TO SOCIAL PROBLEMS, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.72	DX	SUPERVISION OF HIGH RISK PREGNANCY DUE TO SOCIAL PROBLEMS, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.73	DX	SUPERVISION OF HIGH RISK PREGNANCY DUE TO SOCIAL PROBLEMS, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.8	DX	SUPERVISION OF OTHER HIGH RISK PREGNANCIES	ICD-10-CM
6 Pregnant female or breast-feeding	009.81	DX	SUPERVISION OF PREGNANCY RESULTING FROM ASSISTED REPRODUCTIVE TECHNOLOGY	ICD-10-CM
6 Pregnant female or breast-feeding	009.811	DX	SUPERVISION OF PREGNANCY RESULTING FROM ASSISTED REPRODUCTIVE TECHNOLOGY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.812	DX	SUPERVISION OF PREGNANCY RESULTING FROM ASSISTED REPRODUCTIVE TECHNOLOGY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.813	DX	SUPERVISION OF PREGNANCY RESULTING FROM ASSISTED REPRODUCTIVE TECHNOLOGY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.819	DX	SUPERVISION OF PREGNANCY RESULTING FROM ASSISTED REPRODUCTIVE TECHNOLOGY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.82	DX	SUPERVISION OF PREGNANCY WITH HISTORY OF IN UTERO PROCEDURE DURING PREVIOUS PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	009.821	DX	SUPERVISION OF PREGNANCY WITH HISTORY OF IN UTERO PROCEDURE DURING PREVIOUS PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.822	DX	SUPERVISION OF PREGNANCY WITH HISTORY OF IN UTERO PROCEDURE DURING PREVIOUS PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.823	DX	SUPERVISION OF PREGNANCY WITH HISTORY OF IN UTERO PROCEDURE DURING PREVIOUS PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.829	DX	SUPERVISION OF PREGNANCY WITH HISTORY OF IN UTERO PROCEDURE DURING PREVIOUS PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.89	DX	SUPERVISION OF OTHER HIGH RISK PREGNANCIES	ICD-10-CM
6 Pregnant female or breast-feeding	009.891	DX	SUPERVISION OF OTHER HIGH RISK PREGNANCIES, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.892	DX	SUPERVISION OF OTHER HIGH RISK PREGNANCIES, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.893	DX	SUPERVISION OF OTHER HIGH RISK PREGNANCIES, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.899	DX	SUPERVISION OF OTHER HIGH RISK PREGNANCIES, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.9	DX	SUPERVISION OF HIGH RISK PREGNANCY, UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	009.90	DX	SUPERVISION OF HIGH RISK PREGNANCY, UNSPECIFIED, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.91	DX	SUPERVISION OF HIGH RISK PREGNANCY, UNSPECIFIED, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.92	DX	SUPERVISION OF HIGH RISK PREGNANCY, UNSPECIFIED, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.93	DX	SUPERVISION OF HIGH RISK PREGNANCY, UNSPECIFIED, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.A	DX	SUPERVISION OF PREGNANCY WITH HISTORY OF MOLAR PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	009.A0	DX	SUPERVISION OF PREGNANCY WITH HISTORY OF MOLAR PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.A1	DX	SUPERVISION OF PREGNANCY WITH HISTORY OF MOLAR PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.A2	DX	SUPERVISION OF PREGNANCY WITH HISTORY OF MOLAR PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	009.A3	DX	SUPERVISION OF PREGNANCY WITH HISTORY OF MOLAR PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	010	DX	PRE-EXISTING HYPERTENSION COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	010.0	DX	PRE-EXISTING ESSENTIAL HYPERTENSION COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	010.01	DX	PRE-EXISTING ESSENTIAL HYPERTENSION COMPLICATING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	010.011	DX	PRE-EXISTING ESSENTIAL HYPERTENSION COMPLICATING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	010.012	DX	PRE-EXISTING ESSENTIAL HYPERTENSION COMPLICATING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	010.013	DX	PRE-EXISTING ESSENTIAL HYPERTENSION COMPLICATING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	010.019	DX	PRE-EXISTING ESSENTIAL HYPERTENSION COMPLICATING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	010.02	DX	PRE-EXISTING ESSENTIAL HYPERTENSION COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	010.03	DX	PRE-EXISTING ESSENTIAL HYPERTENSION COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	010.1	DX	PRE-EXISTING HYPERTENSIVE HEART DISEASE COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	010.11	DX	PRE-EXISTING HYPERTENSIVE HEART DISEASE COMPLICATING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	010.111	DX	PRE-EXISTING HYPERTENSIVE HEART DISEASE COMPLICATING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	010.112	DX	PRE-EXISTING HYPERTENSIVE HEART DISEASE COMPLICATING PREGNANCY, SECOND TRIMESTER	ICD-10-CM

6 Pregnant female or breast-feeding	011.3	DX	PRE-EXISTING HYPERTENSION WITH PRE-ECLAMPSIA, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	011.4	DX	PRE-EXISTING HYPERTENSION WITH PRE-ECLAMPSIA, COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	011.5	DX	PRE-EXISTING HYPERTENSION WITH PRE-ECLAMPSIA, COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	011.9	DX	PRE-EXISTING HYPERTENSION WITH PRE-ECLAMPSIA, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	012	DX	GESTATIONAL [PREGNANCY-INDUCED] EDEMA AND PROTEINURIA WITHOUT HYPERTENSION	ICD-10-CM
6 Pregnant female or breast-feeding	012.0	DX	GESTATIONAL EDEMA	ICD-10-CM
6 Pregnant female or breast-feeding	012.00	DX	GESTATIONAL EDEMA, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	012.01	DX	GESTATIONAL EDEMA, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	012.02	DX	GESTATIONAL EDEMA, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	012.03	DX	GESTATIONAL EDEMA, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	012.04	DX	GESTATIONAL EDEMA, COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	012.05	DX	GESTATIONAL EDEMA, COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	012.1	DX	GESTATIONAL PROTEINURIA	ICD-10-CM
6 Pregnant female or breast-feeding	012.10	DX	GESTATIONAL PROTEINURIA, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	012.11	DX	GESTATIONAL PROTEINURIA, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	012.12	DX	GESTATIONAL PROTEINURIA, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	012.13	DX	GESTATIONAL PROTEINURIA, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	012.14	DX	GESTATIONAL PROTEINURIA, COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	012.15	DX	GESTATIONAL PROTEINURIA, COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	012.2	DX	GESTATIONAL EDEMA WITH PROTEINURIA	ICD-10-CM
6 Pregnant female or breast-feeding	012.20	DX	GESTATIONAL EDEMA WITH PROTEINURIA, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	012.21	DX	GESTATIONAL EDEMA WITH PROTEINURIA, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	012.22	DX	GESTATIONAL EDEMA WITH PROTEINURIA, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	012.23	DX	GESTATIONAL EDEMA WITH PROTEINURIA, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	012.24	DX	GESTATIONAL EDEMA WITH PROTEINURIA, COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	012.25	DX	GESTATIONAL EDEMA WITH PROTEINURIA, COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	013	DX	GESTATIONAL [PREGNANCY-INDUCED] HYPERTENSION WITHOUT SIGNIFICANT PROTEINURIA	ICD-10-CM
6 Pregnant female or breast-feeding	013.1	DX	GESTATIONAL [PREGNANCY-INDUCED] HYPERTENSION WITHOUT SIGNIFICANT PROTEINURIA, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	013.2	DX	GESTATIONAL [PREGNANCY-INDUCED] HYPERTENSION WITHOUT SIGNIFICANT PROTEINURIA, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	013.3	DX	GESTATIONAL [PREGNANCY-INDUCED] HYPERTENSION WITHOUT SIGNIFICANT PROTEINURIA, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	013.4	DX	GESTATIONAL [PREGNANCY-INDUCED] HYPERTENSION WITHOUT SIGNIFICANT PROTEINURIA, COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	013.5	DX	GESTATIONAL [PREGNANCY-INDUCED] HYPERTENSION WITHOUT SIGNIFICANT PROTEINURIA, COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	013.9	DX	GESTATIONAL [PREGNANCY-INDUCED] HYPERTENSION WITHOUT SIGNIFICANT PROTEINURIA, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	014	DX	PRE-ECLAMPSIA-ECLAMPSIA	ICD-10-CM
6 Pregnant female or breast-feeding	014.0	DX	MILD TO MODERATE PRE-ECLAMPSIA	ICD-10-CM
6 Pregnant female or breast-feeding	014.00	DX	MILD TO MODERATE PRE-ECLAMPSIA, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	014.02	DX	MILD TO MODERATE PRE-ECLAMPSIA, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	014.03	DX	MILD TO MODERATE PRE-ECLAMPSIA, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	014.04	DX	MILD TO MODERATE PRE-ECLAMPSIA, COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	014.05	DX	MILD TO MODERATE PRE-ECLAMPSIA, COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	014.1	DX	SEVERE PRE-ECLAMPSIA	ICD-10-CM
6 Pregnant female or breast-feeding	014.10	DX	SEVERE PRE-ECLAMPSIA, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	014.12	DX	SEVERE PRE-ECLAMPSIA, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	014.13	DX	SEVERE PRE-ECLAMPSIA, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	014.14	DX	SEVERE PRE-ECLAMPSIA, COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	014.15	DX	SEVERE PRE-ECLAMPSIA, COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	014.2	DX	HELLP SYNDROME	ICD-10-CM
6 Pregnant female or breast-feeding	014.20	DX	HELLP SYNDROME (HELLP), UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	014.22	DX	HELLP SYNDROME (HELLP), SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	014.23	DX	HELLP SYNDROME (HELLP), THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	014.24	DX	HELLP SYNDROME, COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	014.25	DX	HELLP SYNDROME, COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	014.9	DX	UNSPECIFIED PRE-ECLAMPSIA	ICD-10-CM
6 Pregnant female or breast-feeding	014.90	DX	UNSPECIFIED PRE-ECLAMPSIA, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	014.92	DX	UNSPECIFIED PRE-ECLAMPSIA, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	014.93	DX	UNSPECIFIED PRE-ECLAMPSIA, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	014.94	DX	UNSPECIFIED PRE-ECLAMPSIA, COMPLICATING CHILDBIRTH	ICD-10-CM

6 Pregnant female or breast-feeding	014.95	DX	UNSPECIFIED PRE-ECLAMPSIA,	ICD-10-CM
6 Pregnant female or breast-feeding	015	DX	COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	015.0	DX	ECLAMPSIA	ICD-10-CM
6 Pregnant female or breast-feeding	015.00	DX	ECLAMPSIA COMPLICATING PREGNANCY,	ICD-10-CM
6 Pregnant female or breast-feeding	015.02	DX	ECLAMPSIA COMPLICATING PREGNANCY,	ICD-10-CM
6 Pregnant female or breast-feeding	015.03	DX	UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	015.1	DX	ECLAMPSIA COMPLICATING PREGNANCY,	ICD-10-CM
6 Pregnant female or breast-feeding	015.2	DX	ECLAMPSIA COMPLICATING LABOR	ICD-10-CM
6 Pregnant female or breast-feeding	015.9	DX	ECLAMPSIA COMPLICATING THE	ICD-10-CM
6 Pregnant female or breast-feeding	016	DX	PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	016.1	DX	ECLAMPSIA, UNSPECIFIED AS TO TIME	ICD-10-CM
6 Pregnant female or breast-feeding	016.2	DX	PERIOD	ICD-10-CM
6 Pregnant female or breast-feeding	016.3	DX	UNSPECIFIED MATERNAL HYPERTENSION	ICD-10-CM
6 Pregnant female or breast-feeding	016.4	DX	UNSPECIFIED MATERNAL HYPERTENSION,	ICD-10-CM
6 Pregnant female or breast-feeding	016.5	DX	FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	016.9	DX	UNSPECIFIED MATERNAL HYPERTENSION,	ICD-10-CM
6 Pregnant female or breast-feeding	020	DX	SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	020.0	DX	UNSPECIFIED MATERNAL HYPERTENSION,	ICD-10-CM
6 Pregnant female or breast-feeding	020.8	DX	THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	020.9	DX	UNSPECIFIED MATERNAL HYPERTENSION,	ICD-10-CM
6 Pregnant female or breast-feeding	021	DX	COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	021.0	DX	UNSPECIFIED MATERNAL HYPERTENSION,	ICD-10-CM
6 Pregnant female or breast-feeding	021.1	DX	COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	021.2	DX	UNSPECIFIED MATERNAL HYPERTENSION,	ICD-10-CM
6 Pregnant female or breast-feeding	021.8	DX	UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	021.9	DX	HEMORRHAGE IN EARLY PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	022	DX	THREATENED ABORTION	ICD-10-CM
6 Pregnant female or breast-feeding	022.0	DX	OTHER HEMORRHAGE IN EARLY PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	022.00	DX	HEMORRHAGE IN EARLY PREGNANCY,	ICD-10-CM
6 Pregnant female or breast-feeding	022.01	DX	UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	022.02	DX	EXCESSIVE VOMITING IN PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	022.03	DX	MILD HYPEREMESIS GRAVIDARUM	ICD-10-CM
6 Pregnant female or breast-feeding	022.1	DX	HYPEREMESIS GRAVIDARUM WITH	ICD-10-CM
6 Pregnant female or breast-feeding	022.11	DX	METABOLIC DISTURBANCE	ICD-10-CM
6 Pregnant female or breast-feeding	022.12	DX	LATE VOMITING OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	022.13	DX	OTHER VOMITING COMPLICATING	ICD-10-CM
6 Pregnant female or breast-feeding	022.2	DX	PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	022.20	DX	VOMITING OF PREGNANCY, UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	022.21	DX	VENOUS COMPLICATIONS AND	ICD-10-CM
6 Pregnant female or breast-feeding	022.22	DX	HEMORRHOIDS IN PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	022.23	DX	VARICOSE VEINS OF LOWER EXTREMITY IN	ICD-10-CM
6 Pregnant female or breast-feeding	022.3	DX	PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	022.30	DX	VARICOSE VEINS OF LOWER EXTREMITY IN	ICD-10-CM
6 Pregnant female or breast-feeding	022.31	DX	PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	022.32	DX	VARICOSE VEINS OF LOWER EXTREMITY IN	ICD-10-CM
6 Pregnant female or breast-feeding	022.33	DX	PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	022.34	DX	VARICOSE VEINS OF LOWER EXTREMITY IN	ICD-10-CM
6 Pregnant female or breast-feeding	022.35	DX	PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	022.36	DX	VARICOSE VEINS OF LOWER EXTREMITY IN	ICD-10-CM
6 Pregnant female or breast-feeding	022.37	DX	PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	022.38	DX	GENITAL VARICES IN PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	022.39	DX	GENITAL VARICES IN PREGNANCY,	ICD-10-CM
6 Pregnant female or breast-feeding	022.40	DX	UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	022.41	DX	GENITAL VARICES IN PREGNANCY, FIRST	ICD-10-CM
6 Pregnant female or breast-feeding	022.42	DX	TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	022.43	DX	GENITAL VARICES IN PREGNANCY, SECOND	ICD-10-CM
6 Pregnant female or breast-feeding	022.44	DX	TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	022.45	DX	GENITAL VARICES IN PREGNANCY, THIRD	ICD-10-CM
6 Pregnant female or breast-feeding	022.46	DX	TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	022.47	DX	SUPERFICIAL THROMBOPHLEBITIS IN	ICD-10-CM
6 Pregnant female or breast-feeding	022.48	DX	PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	022.49	DX	SUPERFICIAL THROMBOPHLEBITIS IN	ICD-10-CM
6 Pregnant female or breast-feeding	022.50	DX	PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	022.51	DX	SUPERFICIAL THROMBOPHLEBITIS IN	ICD-10-CM
6 Pregnant female or breast-feeding	022.52	DX	PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	022.53	DX	SUPERFICIAL THROMBOPHLEBITIS IN	ICD-10-CM
6 Pregnant female or breast-feeding	022.54	DX	PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	022.55	DX	SUPERFICIAL THROMBOPHLEBITIS IN	ICD-10-CM
6 Pregnant female or breast-feeding	022.56	DX	PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	022.57	DX	DEEP PHLEBOTHROMBOSIS IN PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	022.58	DX	DEEP PHLEBOTHROMBOSIS IN PREGNANCY,	ICD-10-CM
6 Pregnant female or breast-feeding	022.59	DX	UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	022.60	DX	DEEP PHLEBOTHROMBOSIS IN PREGNANCY,	ICD-10-CM
6 Pregnant female or breast-feeding	022.61	DX	FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	022.62	DX	DEEP PHLEBOTHROMBOSIS IN PREGNANCY,	ICD-10-CM
6 Pregnant female or breast-feeding	022.63	DX	SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	022.64	DX	DEEP PHLEBOTHROMBOSIS IN PREGNANCY,	ICD-10-CM
6 Pregnant female or breast-feeding	022.65	DX	THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	022.66	DX	HEMORRHOIDS IN PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	022.67	DX	HEMORRHOIDS IN PREGNANCY,	ICD-10-CM
6 Pregnant female or breast-feeding	022.68	DX	UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	022.69	DX	HEMORRHOIDS IN PREGNANCY, FIRST	ICD-10-CM
6 Pregnant female or breast-feeding	022.70	DX	TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	022.71	DX	HEMORRHOIDS IN PREGNANCY, SECOND	ICD-10-CM
6 Pregnant female or breast-feeding	022.72	DX	TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	022.73	DX	HEMORRHOIDS IN PREGNANCY, THIRD	ICD-10-CM
6 Pregnant female or breast-feeding	022.74	DX	TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	022.75	DX	CEREBRAL VENOUS THROMBOSIS IN	ICD-10-CM
6 Pregnant female or breast-feeding	022.76	DX	PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	022.77	DX	CEREBRAL VENOUS THROMBOSIS IN	ICD-10-CM
6 Pregnant female or breast-feeding	022.78	DX	PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	022.79	DX	CEREBRAL VENOUS THROMBOSIS IN	ICD-10-CM
6 Pregnant female or breast-feeding	022.80	DX	PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	022.81	DX	CEREBRAL VENOUS THROMBOSIS IN	ICD-10-CM
6 Pregnant female or breast-feeding	022.82	DX	PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	022.83	DX	CEREBRAL VENOUS THROMBOSIS IN	ICD-10-CM
6 Pregnant female or breast-feeding	022.84	DX	PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	022.85	DX	OTHER VENOUS COMPLICATIONS IN	ICD-10-CM
6 Pregnant female or breast-feeding	022.86	DX	PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	022.87	DX	OTHER VENOUS COMPLICATIONS IN	ICD-10-CM
6 Pregnant female or breast-feeding	022.88	DX	PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	022.89	DX	OTHER VENOUS COMPLICATIONS IN	ICD-10-CM
6 Pregnant female or breast-feeding	022.90	DX	PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	022.91	DX	OTHER VENOUS COMPLICATIONS IN	ICD-10-CM
6 Pregnant female or breast-feeding	022.92	DX	PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	022.93	DX	OTHER VENOUS COMPLICATIONS IN	ICD-10-CM
6 Pregnant female or breast-feeding	022.94	DX	PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM

6 Pregnant female or breast-feeding	022.9	DX	VENOUS COMPLICATION IN PREGNANCY, UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	022.90	DX	VENOUS COMPLICATION IN PREGNANCY, UNSPECIFIED, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	022.91	DX	VENOUS COMPLICATION IN PREGNANCY, UNSPECIFIED, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	022.92	DX	VENOUS COMPLICATION IN PREGNANCY, UNSPECIFIED, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	022.93	DX	VENOUS COMPLICATION IN PREGNANCY, UNSPECIFIED, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023	DX	INFECTIONS OF GENITOURINARY TRACT IN PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	023.0	DX	INFECTIONS OF KIDNEY IN PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	023.00	DX	INFECTIONS OF KIDNEY IN PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023.01	DX	INFECTIONS OF KIDNEY IN PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023.02	DX	INFECTIONS OF KIDNEY IN PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023.03	DX	INFECTIONS OF KIDNEY IN PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023.1	DX	INFECTIONS OF BLADDER IN PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	023.10	DX	INFECTIONS OF BLADDER IN PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023.11	DX	INFECTIONS OF BLADDER IN PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023.12	DX	INFECTIONS OF BLADDER IN PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023.13	DX	INFECTIONS OF BLADDER IN PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023.2	DX	INFECTIONS OF URETHRA IN PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	023.20	DX	INFECTIONS OF URETHRA IN PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023.21	DX	INFECTIONS OF URETHRA IN PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023.22	DX	INFECTIONS OF URETHRA IN PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023.23	DX	INFECTIONS OF URETHRA IN PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023.3	DX	INFECTIONS OF OTHER PARTS OF URINARY TRACT IN PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	023.30	DX	INFECTIONS OF OTHER PARTS OF URINARY TRACT IN PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023.31	DX	INFECTIONS OF OTHER PARTS OF URINARY TRACT IN PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023.32	DX	INFECTIONS OF OTHER PARTS OF URINARY TRACT IN PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023.33	DX	INFECTIONS OF OTHER PARTS OF URINARY TRACT IN PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023.4	DX	UNSPECIFIED INFECTION OF URINARY TRACT IN PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	023.40	DX	UNSPECIFIED INFECTION OF URINARY TRACT IN PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023.41	DX	UNSPECIFIED INFECTION OF URINARY TRACT IN PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023.42	DX	UNSPECIFIED INFECTION OF URINARY TRACT IN PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023.43	DX	UNSPECIFIED INFECTION OF URINARY TRACT IN PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023.5	DX	INFECTIONS OF THE GENITAL TRACT IN PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	023.51	DX	INFECTION OF CERVIX IN PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	023.511	DX	INFECTIONS OF CERVIX IN PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023.512	DX	INFECTIONS OF CERVIX IN PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023.513	DX	INFECTIONS OF CERVIX IN PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023.519	DX	UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023.52	DX	SALPINGO-OOPHORITIS IN PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	023.521	DX	SALPINGO-OOPHORITIS IN PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023.522	DX	SALPINGO-OOPHORITIS IN PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023.523	DX	SALPINGO-OOPHORITIS IN PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023.529	DX	SALPINGO-OOPHORITIS IN PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023.59	DX	INFECTION OF OTHER PART OF GENITAL TRACT IN PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	023.591	DX	INFECTION OF OTHER PART OF GENITAL TRACT IN PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023.592	DX	INFECTION OF OTHER PART OF GENITAL TRACT IN PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023.593	DX	INFECTION OF OTHER PART OF GENITAL TRACT IN PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023.599	DX	INFECTION OF OTHER PART OF GENITAL TRACT IN PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023.9	DX	UNSPECIFIED GENITOURINARY TRACT INFECTION IN PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	023.90	DX	UNSPECIFIED GENITOURINARY TRACT INFECTION IN PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023.91	DX	UNSPECIFIED GENITOURINARY TRACT INFECTION IN PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023.92	DX	UNSPECIFIED GENITOURINARY TRACT INFECTION IN PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	023.93	DX	UNSPECIFIED GENITOURINARY TRACT INFECTION IN PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	024	DX	DIABETES MELLITUS IN PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM	ICD-10-CM

6 Pregnant female or breast-feeding	024.912	DX	UNSPECIFIED DIABETES MELLITUS IN PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	024.913	DX	UNSPECIFIED DIABETES MELLITUS IN PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	024.919	DX	UNSPECIFIED DIABETES MELLITUS IN PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	024.92	DX	UNSPECIFIED DIABETES MELLITUS IN CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	024.93	DX	UNSPECIFIED DIABETES MELLITUS IN THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	025	DX	MALNUTRITION IN PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	025.1	DX	MALNUTRITION IN PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	025.10	DX	MALNUTRITION IN PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	025.11	DX	MALNUTRITION IN PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	025.12	DX	MALNUTRITION IN PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	025.13	DX	MALNUTRITION IN PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	025.2	DX	MALNUTRITION IN CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	025.3	DX	MALNUTRITION IN THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	026	DX	MATERNAL CARE FOR OTHER CONDITIONS PREDOMINANTLY RELATED TO PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	026.0	DX	EXCESSIVE WEIGHT GAIN IN PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	026.00	DX	EXCESSIVE WEIGHT GAIN IN PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.01	DX	EXCESSIVE WEIGHT GAIN IN PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.02	DX	EXCESSIVE WEIGHT GAIN IN PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.03	DX	EXCESSIVE WEIGHT GAIN IN PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.1	DX	LOW WEIGHT GAIN IN PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	026.10	DX	LOW WEIGHT GAIN IN PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.11	DX	LOW WEIGHT GAIN IN PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.12	DX	LOW WEIGHT GAIN IN PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.13	DX	LOW WEIGHT GAIN IN PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.2	DX	PREGNANCY CARE FOR PATIENT WITH RECURRENT PREGNANCY LOSS	ICD-10-CM
6 Pregnant female or breast-feeding	026.20	DX	PREGNANCY CARE FOR PATIENT WITH RECURRENT PREGNANCY LOSS, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.21	DX	PREGNANCY CARE FOR PATIENT WITH RECURRENT PREGNANCY LOSS, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.22	DX	PREGNANCY CARE FOR PATIENT WITH RECURRENT PREGNANCY LOSS, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.23	DX	PREGNANCY CARE FOR PATIENT WITH RECURRENT PREGNANCY LOSS, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.3	DX	RETAINED INTRAUTERINE CONTRACEPTIVE DEVICE IN PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	026.30	DX	RETAINED INTRAUTERINE CONTRACEPTIVE DEVICE IN PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.31	DX	RETAINED INTRAUTERINE CONTRACEPTIVE DEVICE IN PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.32	DX	RETAINED INTRAUTERINE CONTRACEPTIVE DEVICE IN PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.33	DX	RETAINED INTRAUTERINE CONTRACEPTIVE DEVICE IN PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.4	DX	HERPES GESTATIONIS	ICD-10-CM
6 Pregnant female or breast-feeding	026.40	DX	HERPES GESTATIONIS, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.41	DX	HERPES GESTATIONIS, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.42	DX	HERPES GESTATIONIS, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.43	DX	HERPES GESTATIONIS, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.5	DX	MATERNAL HYPOTENSION SYNDROME	ICD-10-CM
6 Pregnant female or breast-feeding	026.50	DX	MATERNAL HYPOTENSION SYNDROME, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.51	DX	MATERNAL HYPOTENSION SYNDROME, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.52	DX	MATERNAL HYPOTENSION SYNDROME, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.53	DX	MATERNAL HYPOTENSION SYNDROME, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.6	DX	LIVER AND BILIARY TRACT DISORDERS IN PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	026.61	DX	LIVER AND BILIARY TRACT DISORDERS IN PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	026.611	DX	LIVER AND BILIARY TRACT DISORDERS IN PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.612	DX	LIVER AND BILIARY TRACT DISORDERS IN PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.613	DX	LIVER AND BILIARY TRACT DISORDERS IN PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.619	DX	LIVER AND BILIARY TRACT DISORDERS IN PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.62	DX	LIVER AND BILIARY TRACT DISORDERS IN CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	026.63	DX	LIVER AND BILIARY TRACT DISORDERS IN THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	026.7	DX	SUBLUXATION OF SYMPHYSIS (PUBIS) IN PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	026.71	DX	SUBLUXATION OF SYMPHYSIS (PUBIS) IN PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	026.711	DX	SUBLUXATION OF SYMPHYSIS (PUBIS) IN PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.712	DX	SUBLUXATION OF SYMPHYSIS (PUBIS) IN PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.713	DX	SUBLUXATION OF SYMPHYSIS (PUBIS) IN PREGNANCY, THIRD TRIMESTER	ICD-10-CM

6 Pregnant female or breast-feeding	026.719	DX	SUBLUXATION OF SYMPHYSIS (PUBIS) IN PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.72	DX	SUBLUXATION OF SYMPHYSIS (PUBIS) IN CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	026.73	DX	SUBLUXATION OF SYMPHYSIS (PUBIS) IN THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	026.8	DX	OTHER SPECIFIED PREGNANCY RELATED CONDITIONS	ICD-10-CM
6 Pregnant female or breast-feeding	026.81	DX	PREGNANCY RELATED EXHAUSTION AND FATIGUE	ICD-10-CM
6 Pregnant female or breast-feeding	026.811	DX	PREGNANCY RELATED EXHAUSTION AND FATIGUE, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.812	DX	PREGNANCY RELATED EXHAUSTION AND FATIGUE, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.813	DX	PREGNANCY RELATED EXHAUSTION AND FATIGUE, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.819	DX	PREGNANCY RELATED EXHAUSTION AND FATIGUE, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.82	DX	PREGNANCY RELATED PERIPHERAL NEURITIS	ICD-10-CM
6 Pregnant female or breast-feeding	026.821	DX	PREGNANCY RELATED PERIPHERAL NEURITIS, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.822	DX	PREGNANCY RELATED PERIPHERAL NEURITIS, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.823	DX	PREGNANCY RELATED PERIPHERAL NEURITIS, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.829	DX	PREGNANCY RELATED PERIPHERAL NEURITIS, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.83	DX	PREGNANCY RELATED RENAL DISEASE	ICD-10-CM
6 Pregnant female or breast-feeding	026.831	DX	PREGNANCY RELATED RENAL DISEASE, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.832	DX	PREGNANCY RELATED RENAL DISEASE, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.833	DX	PREGNANCY RELATED RENAL DISEASE, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.839	DX	PREGNANCY RELATED RENAL DISEASE, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.84	DX	UTERINE SIZE-DATE DISCREPANCY COMPLICATING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	026.841	DX	UTERINE SIZE-DATE DISCREPANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.842	DX	UTERINE SIZE-DATE DISCREPANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.843	DX	UTERINE SIZE-DATE DISCREPANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.849	DX	UTERINE SIZE-DATE DISCREPANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.85	DX	SPOTTING COMPLICATING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	026.851	DX	SPOTTING COMPLICATING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.852	DX	SPOTTING COMPLICATING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.853	DX	SPOTTING COMPLICATING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.859	DX	SPOTTING COMPLICATING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.86	DX	PRURITIC URTICARIAL PAPULES AND PLAQUES OF PREGNANCY (PUPPP)	ICD-10-CM
6 Pregnant female or breast-feeding	026.87	DX	CERVICAL SHORTENING	ICD-10-CM
6 Pregnant female or breast-feeding	026.872	DX	CERVICAL SHORTENING, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.873	DX	CERVICAL SHORTENING, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.879	DX	CERVICAL SHORTENING, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.89	DX	OTHER SPECIFIED PREGNANCY RELATED CONDITIONS	ICD-10-CM
6 Pregnant female or breast-feeding	026.891	DX	OTHER SPECIFIED PREGNANCY RELATED CONDITIONS, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.892	DX	OTHER SPECIFIED PREGNANCY RELATED CONDITIONS, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.893	DX	OTHER SPECIFIED PREGNANCY RELATED CONDITIONS, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.899	DX	OTHER SPECIFIED PREGNANCY RELATED CONDITIONS, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.9	DX	PREGNANCY RELATED CONDITIONS, UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	026.90	DX	PREGNANCY RELATED CONDITIONS, UNSPECIFIED, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.91	DX	PREGNANCY RELATED CONDITIONS, UNSPECIFIED, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.92	DX	PREGNANCY RELATED CONDITIONS, UNSPECIFIED, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	026.93	DX	PREGNANCY RELATED CONDITIONS, UNSPECIFIED, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	028	DX	ABNORMAL FINDINGS ON ANTENATAL SCREENING OF MOTHER	ICD-10-CM
6 Pregnant female or breast-feeding	028.0	DX	ABNORMAL HEMATOLOGICAL FINDING ON ANTENATAL SCREENING OF MOTHER	ICD-10-CM
6 Pregnant female or breast-feeding	028.1	DX	ABNORMAL BIOCHEMICAL FINDING ON ANTENATAL SCREENING OF MOTHER	ICD-10-CM
6 Pregnant female or breast-feeding	028.2	DX	ABNORMAL CYTOLOGICAL FINDING ON ANTENATAL SCREENING OF MOTHER	ICD-10-CM
6 Pregnant female or breast-feeding	028.3	DX	ABNORMAL ULTRASONIC FINDING ON ANTENATAL SCREENING OF MOTHER	ICD-10-CM
6 Pregnant female or breast-feeding	028.4	DX	ABNORMAL RADIOLOGICAL FINDING ON ANTENATAL SCREENING OF MOTHER	ICD-10-CM
6 Pregnant female or breast-feeding	028.5	DX	ABNORMAL CHROMOSOMAL AND GENETIC FINDING ON ANTENATAL SCREENING OF MOTHER	ICD-10-CM
6 Pregnant female or breast-feeding	028.8	DX	OTHER ABNORMAL FINDINGS ON ANTENATAL SCREENING OF MOTHER	ICD-10-CM
6 Pregnant female or breast-feeding	028.9	DX	UNSPECIFIED ABNORMAL FINDINGS ON ANTENATAL SCREENING OF MOTHER	ICD-10-CM
6 Pregnant female or breast-feeding	029	DX	COMPLICATIONS OF ANESTHESIA DURING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	029.0	DX	PULMONARY COMPLICATIONS OF ANESTHESIA DURING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	029.01	DX	ASPIRATION PNEUMONITIS DUE TO ANESTHESIA DURING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	029.011	DX	ASPIRATION PNEUMONITIS DUE TO ANESTHESIA DURING PREGNANCY, FIRST TRIMESTER	ICD-10-CM

6 Pregnant female or breast-feeding	029.012	DX	ASPIRATION PNEUMONITIS DUE TO ANESTHESIA DURING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.013	DX	ASPIRATION PNEUMONITIS DUE TO ANESTHESIA DURING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.019	DX	ASPIRATION PNEUMONITIS DUE TO ANESTHESIA DURING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.02	DX	PRESSURE COLLAPSE OF LUNG DUE TO ANESTHESIA DURING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	029.021	DX	PRESSURE COLLAPSE OF LUNG DUE TO ANESTHESIA DURING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.022	DX	PRESSURE COLLAPSE OF LUNG DUE TO ANESTHESIA DURING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.023	DX	PRESSURE COLLAPSE OF LUNG DUE TO ANESTHESIA DURING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.029	DX	PRESSURE COLLAPSE OF LUNG DUE TO ANESTHESIA DURING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.09	DX	OTHER PULMONARY COMPLICATIONS OF ANESTHESIA DURING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	029.091	DX	OTHER PULMONARY COMPLICATIONS OF ANESTHESIA DURING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.092	DX	OTHER PULMONARY COMPLICATIONS OF ANESTHESIA DURING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.093	DX	OTHER PULMONARY COMPLICATIONS OF ANESTHESIA DURING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.099	DX	OTHER PULMONARY COMPLICATIONS OF ANESTHESIA DURING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.1	DX	CARDIAC COMPLICATIONS OF ANESTHESIA DURING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	029.11	DX	CARDIAC ARREST DUE TO ANESTHESIA DURING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	029.111	DX	CARDIAC ARREST DUE TO ANESTHESIA DURING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.112	DX	CARDIAC ARREST DUE TO ANESTHESIA DURING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.113	DX	CARDIAC ARREST DUE TO ANESTHESIA DURING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.119	DX	CARDIAC ARREST DUE TO ANESTHESIA DURING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.12	DX	CARDIAC FAILURE DUE TO ANESTHESIA DURING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	029.121	DX	CARDIAC FAILURE DUE TO ANESTHESIA DURING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.122	DX	CARDIAC FAILURE DUE TO ANESTHESIA DURING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.123	DX	CARDIAC FAILURE DUE TO ANESTHESIA DURING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.129	DX	CARDIAC FAILURE DUE TO ANESTHESIA DURING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.19	DX	OTHER CARDIAC COMPLICATIONS OF ANESTHESIA DURING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	029.191	DX	OTHER CARDIAC COMPLICATIONS OF ANESTHESIA DURING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.192	DX	OTHER CARDIAC COMPLICATIONS OF ANESTHESIA DURING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.193	DX	OTHER CARDIAC COMPLICATIONS OF ANESTHESIA DURING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.199	DX	OTHER CARDIAC COMPLICATIONS OF ANESTHESIA DURING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.2	DX	CENTRAL NERVOUS SYSTEM COMPLICATIONS OF ANESTHESIA DURING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	029.21	DX	CEREBRAL ANOXIA DUE TO ANESTHESIA DURING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	029.211	DX	CEREBRAL ANOXIA DUE TO ANESTHESIA DURING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.212	DX	CEREBRAL ANOXIA DUE TO ANESTHESIA DURING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.213	DX	CEREBRAL ANOXIA DUE TO ANESTHESIA DURING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.219	DX	CEREBRAL ANOXIA DUE TO ANESTHESIA DURING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.29	DX	OTHER CENTRAL NERVOUS SYSTEM COMPLICATIONS OF ANESTHESIA DURING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	029.291	DX	OTHER CENTRAL NERVOUS SYSTEM COMPLICATIONS OF ANESTHESIA DURING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.292	DX	OTHER CENTRAL NERVOUS SYSTEM COMPLICATIONS OF ANESTHESIA DURING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.293	DX	OTHER CENTRAL NERVOUS SYSTEM COMPLICATIONS OF ANESTHESIA DURING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.299	DX	OTHER CENTRAL NERVOUS SYSTEM COMPLICATIONS OF ANESTHESIA DURING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.3	DX	TOXIC REACTION TO LOCAL ANESTHESIA DURING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	029.3X	DX	TOXIC REACTION TO LOCAL ANESTHESIA DURING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	029.3X1	DX	TOXIC REACTION TO LOCAL ANESTHESIA DURING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.3X2	DX	TOXIC REACTION TO LOCAL ANESTHESIA DURING PREGNANCY, SECOND TRIMESTER	ICD-10-CM

6 Pregnant female or breast-feeding	029.3X3	DX	TOXIC REACTION TO LOCAL ANESTHESIA DURING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.3X9	DX	TOXIC REACTION TO LOCAL ANESTHESIA DURING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.4	DX	SPINAL AND EPIDURAL ANESTHESIA INDUCED HEADACHE DURING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	029.40	DX	SPINAL AND EPIDURAL ANESTHESIA INDUCED HEADACHE DURING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.41	DX	SPINAL AND EPIDURAL ANESTHESIA INDUCED HEADACHE DURING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.42	DX	SPINAL AND EPIDURAL ANESTHESIA INDUCED HEADACHE DURING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.43	DX	SPINAL AND EPIDURAL ANESTHESIA INDUCED HEADACHE DURING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.5	DX	OTHER COMPLICATIONS OF SPINAL AND EPIDURAL ANESTHESIA DURING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	029.5X	DX	OTHER COMPLICATIONS OF SPINAL AND EPIDURAL ANESTHESIA DURING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	029.5X1	DX	OTHER COMPLICATIONS OF SPINAL AND EPIDURAL ANESTHESIA DURING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.5X2	DX	OTHER COMPLICATIONS OF SPINAL AND EPIDURAL ANESTHESIA DURING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.5X3	DX	OTHER COMPLICATIONS OF SPINAL AND EPIDURAL ANESTHESIA DURING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.5X9	DX	OTHER COMPLICATIONS OF SPINAL AND EPIDURAL ANESTHESIA DURING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.6	DX	FAILED OR DIFFICULT INTUBATION FOR ANESTHESIA DURING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	029.60	DX	FAILED OR DIFFICULT INTUBATION FOR ANESTHESIA DURING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.61	DX	FAILED OR DIFFICULT INTUBATION FOR ANESTHESIA DURING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.62	DX	FAILED OR DIFFICULT INTUBATION FOR ANESTHESIA DURING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.63	DX	FAILED OR DIFFICULT INTUBATION FOR ANESTHESIA DURING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.8	DX	OTHER COMPLICATIONS OF ANESTHESIA DURING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	029.8X	DX	OTHER COMPLICATIONS OF ANESTHESIA DURING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	029.8X1	DX	OTHER COMPLICATIONS OF ANESTHESIA DURING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.8X2	DX	OTHER COMPLICATIONS OF ANESTHESIA DURING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.8X3	DX	OTHER COMPLICATIONS OF ANESTHESIA DURING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.8X9	DX	OTHER COMPLICATIONS OF ANESTHESIA DURING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.9	DX	UNSPECIFIED COMPLICATION OF ANESTHESIA DURING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	029.90	DX	UNSPECIFIED COMPLICATION OF ANESTHESIA DURING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.91	DX	UNSPECIFIED COMPLICATION OF ANESTHESIA DURING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.92	DX	UNSPECIFIED COMPLICATION OF ANESTHESIA DURING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	029.93	DX	UNSPECIFIED COMPLICATION OF ANESTHESIA DURING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030	DX	MULTIPLE GESTATION	ICD-10-CM
6 Pregnant female or breast-feeding	030.0	DX	TWIN PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	030.00	DX	TWIN PREGNANCY, UNSPECIFIED NUMBER OF PLACENTA AND UNSPECIFIED NUMBER OF AMNIOTIC SACS	ICD-10-CM
6 Pregnant female or breast-feeding	030.001	DX	TWIN PREGNANCY, UNSPECIFIED NUMBER OF PLACENTA AND UNSPECIFIED NUMBER OF AMNIOTIC SACS, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.002	DX	TWIN PREGNANCY, UNSPECIFIED NUMBER OF PLACENTA AND UNSPECIFIED NUMBER OF AMNIOTIC SACS, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.003	DX	TWIN PREGNANCY, UNSPECIFIED NUMBER OF PLACENTA AND UNSPECIFIED NUMBER OF AMNIOTIC SACS, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.009	DX	TWIN PREGNANCY, UNSPECIFIED NUMBER OF PLACENTA AND UNSPECIFIED NUMBER OF AMNIOTIC SACS, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.01	DX	TWIN PREGNANCY, MONOCHORIONIC/MONOAMNIOTIC	ICD-10-CM
6 Pregnant female or breast-feeding	030.011	DX	TWIN PREGNANCY, MONOCHORIONIC/MONOAMNIOTIC, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.012	DX	TWIN PREGNANCY, MONOCHORIONIC/MONOAMNIOTIC, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.013	DX	TWIN PREGNANCY, MONOCHORIONIC/MONOAMNIOTIC, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.019	DX	TWIN PREGNANCY, MONOCHORIONIC/MONOAMNIOTIC, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.02	DX	CONJOINED TWIN PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	030.021	DX	CONJOINED TWIN PREGNANCY, FIRST TRIMESTER	ICD-10-CM

6 Pregnant female or breast-feeding	030.022	DX	CONJOINED TWIN PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.023	DX	CONJOINED TWIN PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.029	DX	CONJOINED TWIN PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.03	DX	TWIN PREGNANCY, MONOCHORIONIC/DIAMNIOTIC	ICD-10-CM
6 Pregnant female or breast-feeding	030.031	DX	TWIN PREGNANCY, MONOCHORIONIC/DIAMNIOTIC, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.032	DX	TWIN PREGNANCY, MONOCHORIONIC/DIAMNIOTIC, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.033	DX	TWIN PREGNANCY, MONOCHORIONIC/DIAMNIOTIC, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.039	DX	TWIN PREGNANCY, MONOCHORIONIC/DIAMNIOTIC, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.04	DX	TWIN PREGNANCY, DICHORIONIC/DIAMNIOTIC	ICD-10-CM
6 Pregnant female or breast-feeding	030.041	DX	TWIN PREGNANCY, DICHORIONIC/DIAMNIOTIC, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.042	DX	TWIN PREGNANCY, DICHORIONIC/DIAMNIOTIC, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.043	DX	TWIN PREGNANCY, DICHORIONIC/DIAMNIOTIC, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.049	DX	TWIN PREGNANCY, DICHORIONIC/DIAMNIOTIC, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.09	DX	TWIN PREGNANCY, UNABLE TO DETERMINE NUMBER OF PLACENTA AND NUMBER OF AMNIOTIC SACS	ICD-10-CM
6 Pregnant female or breast-feeding	030.091	DX	TWIN PREGNANCY, UNABLE TO DETERMINE NUMBER OF PLACENTA AND NUMBER OF AMNIOTIC SACS, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.092	DX	TWIN PREGNANCY, UNABLE TO DETERMINE NUMBER OF PLACENTA AND NUMBER OF AMNIOTIC SACS, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.093	DX	TWIN PREGNANCY, UNABLE TO DETERMINE NUMBER OF PLACENTA AND NUMBER OF AMNIOTIC SACS, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.099	DX	TWIN PREGNANCY, UNABLE TO DETERMINE NUMBER OF PLACENTA AND NUMBER OF AMNIOTIC SACS, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.1	DX	TRIPLET PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	030.10	DX	TRIPLET PREGNANCY, UNSPECIFIED NUMBER OF PLACENTA AND UNSPECIFIED NUMBER OF AMNIOTIC SACS	ICD-10-CM
6 Pregnant female or breast-feeding	030.101	DX	TRIPLET PREGNANCY, UNSPECIFIED NUMBER OF PLACENTA AND UNSPECIFIED NUMBER OF AMNIOTIC SACS, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.102	DX	TRIPLET PREGNANCY, UNSPECIFIED NUMBER OF PLACENTA AND UNSPECIFIED NUMBER OF AMNIOTIC SACS, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.103	DX	TRIPLET PREGNANCY, UNSPECIFIED NUMBER OF PLACENTA AND UNSPECIFIED NUMBER OF AMNIOTIC SACS, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.109	DX	TRIPLET PREGNANCY, UNSPECIFIED NUMBER OF PLACENTA AND UNSPECIFIED NUMBER OF AMNIOTIC SACS, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.11	DX	TRIPLET PREGNANCY WITH TWO OR MORE MONOCHORIONIC FETUSES	ICD-10-CM
6 Pregnant female or breast-feeding	030.111	DX	TRIPLET PREGNANCY WITH TWO OR MORE MONOCHORIONIC FETUSES, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.112	DX	TRIPLET PREGNANCY WITH TWO OR MORE MONOCHORIONIC FETUSES, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.113	DX	TRIPLET PREGNANCY WITH TWO OR MORE MONOCHORIONIC FETUSES, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.119	DX	TRIPLET PREGNANCY WITH TWO OR MORE MONOCHORIONIC FETUSES, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.12	DX	TRIPLET PREGNANCY WITH TWO OR MORE MONOAMNIOTIC FETUSES	ICD-10-CM
6 Pregnant female or breast-feeding	030.121	DX	TRIPLET PREGNANCY WITH TWO OR MORE MONOAMNIOTIC FETUSES, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.122	DX	TRIPLET PREGNANCY WITH TWO OR MORE MONOAMNIOTIC FETUSES, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.123	DX	TRIPLET PREGNANCY WITH TWO OR MORE MONOAMNIOTIC FETUSES, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.129	DX	TRIPLET PREGNANCY WITH TWO OR MORE MONOAMNIOTIC FETUSES, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.13	DX	TRIPLET PREGNANCY, TRICHORIONIC/TRIAMNIOTIC	ICD-10-CM
6 Pregnant female or breast-feeding	030.131	DX	TRIPLET PREGNANCY, TRICHORIONIC/TRIAMNIOTIC, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.132	DX	TRIPLET PREGNANCY, TRICHORIONIC/TRIAMNIOTIC, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.133	DX	TRIPLET PREGNANCY, TRICHORIONIC/TRIAMNIOTIC, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.139	DX	TRIPLET PREGNANCY, TRICHORIONIC/TRIAMNIOTIC, UNSPECIFIED TRIMESTER	ICD-10-CM

6 Pregnant female or breast-feeding	030.19	DX	TRIPLET PREGNANCY, UNABLE TO DETERMINE NUMBER OF PLACENTA AND NUMBER OF AMNIOTIC SACS	ICD-10-CM
6 Pregnant female or breast-feeding	030.191	DX	TRIPLET PREGNANCY, UNABLE TO DETERMINE NUMBER OF PLACENTA AND NUMBER OF AMNIOTIC SACS, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.192	DX	TRIPLET PREGNANCY, UNABLE TO DETERMINE NUMBER OF PLACENTA AND NUMBER OF AMNIOTIC SACS, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.193	DX	TRIPLET PREGNANCY, UNABLE TO DETERMINE NUMBER OF PLACENTA AND NUMBER OF AMNIOTIC SACS, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.199	DX	TRIPLET PREGNANCY, UNABLE TO DETERMINE NUMBER OF PLACENTA AND NUMBER OF AMNIOTIC SACS, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.2	DX	QUADRUPLET PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	030.20	DX	QUADRUPLET PREGNANCY, UNSPECIFIED NUMBER OF PLACENTA AND UNSPECIFIED NUMBER OF AMNIOTIC SACS	ICD-10-CM
6 Pregnant female or breast-feeding	030.201	DX	QUADRUPLET PREGNANCY, UNSPECIFIED NUMBER OF PLACENTA AND UNSPECIFIED NUMBER OF AMNIOTIC SACS, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.202	DX	QUADRUPLET PREGNANCY, UNSPECIFIED NUMBER OF PLACENTA AND UNSPECIFIED NUMBER OF AMNIOTIC SACS, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.203	DX	QUADRUPLET PREGNANCY, UNSPECIFIED NUMBER OF PLACENTA AND UNSPECIFIED NUMBER OF AMNIOTIC SACS, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.209	DX	QUADRUPLET PREGNANCY, UNSPECIFIED NUMBER OF PLACENTA AND UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.21	DX	QUADRUPLET PREGNANCY WITH TWO OR MORE MONOCHORIONIC FETUSES	ICD-10-CM
6 Pregnant female or breast-feeding	030.211	DX	QUADRUPLET PREGNANCY WITH TWO OR MORE MONOCHORIONIC FETUSES, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.212	DX	QUADRUPLET PREGNANCY WITH TWO OR MORE MONOCHORIONIC FETUSES, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.213	DX	QUADRUPLET PREGNANCY WITH TWO OR MORE MONOCHORIONIC FETUSES, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.219	DX	QUADRUPLET PREGNANCY WITH TWO OR MORE MONOCHORIONIC FETUSES, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.22	DX	QUADRUPLET PREGNANCY WITH TWO OR MORE MONOAMNIOTIC FETUSES	ICD-10-CM
6 Pregnant female or breast-feeding	030.221	DX	QUADRUPLET PREGNANCY WITH TWO OR MORE MONOAMNIOTIC FETUSES, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.222	DX	QUADRUPLET PREGNANCY WITH TWO OR MORE MONOAMNIOTIC FETUSES, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.223	DX	QUADRUPLET PREGNANCY WITH TWO OR MORE MONOAMNIOTIC FETUSES, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.229	DX	QUADRUPLET PREGNANCY WITH TWO OR MORE MONOAMNIOTIC FETUSES, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.23	DX	QUADRUPLET PREGNANCY, QUADRACHORIONIC/QUADRA-AMNIOTIC	ICD-10-CM
6 Pregnant female or breast-feeding	030.231	DX	QUADRUPLET PREGNANCY, QUADRACHORIONIC/QUADRA-AMNIOTIC, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.232	DX	QUADRUPLET PREGNANCY, QUADRACHORIONIC/QUADRA-AMNIOTIC, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.233	DX	QUADRUPLET PREGNANCY, QUADRACHORIONIC/QUADRA-AMNIOTIC, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.239	DX	QUADRUPLET PREGNANCY, QUADRACHORIONIC/QUADRA-AMNIOTIC, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.29	DX	QUADRUPLET PREGNANCY, UNABLE TO DETERMINE NUMBER OF PLACENTA AND NUMBER OF AMNIOTIC SACS	ICD-10-CM
6 Pregnant female or breast-feeding	030.291	DX	QUADRUPLET PREGNANCY, UNABLE TO DETERMINE NUMBER OF PLACENTA AND NUMBER OF AMNIOTIC SACS, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.292	DX	QUADRUPLET PREGNANCY, UNABLE TO DETERMINE NUMBER OF PLACENTA AND NUMBER OF AMNIOTIC SACS, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.293	DX	QUADRUPLET PREGNANCY, UNABLE TO DETERMINE NUMBER OF PLACENTA AND NUMBER OF AMNIOTIC SACS, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.299	DX	QUADRUPLET PREGNANCY, UNABLE TO DETERMINE NUMBER OF PLACENTA AND NUMBER OF AMNIOTIC SACS, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.8	DX	OTHER SPECIFIED MULTIPLE GESTATION	ICD-10-CM
6 Pregnant female or breast-feeding	030.80	DX	OTHER SPECIFIED MULTIPLE GESTATION, UNSPECIFIED NUMBER OF PLACENTA AND UNSPECIFIED NUMBER OF AMNIOTIC SACS	ICD-10-CM
6 Pregnant female or breast-feeding	030.801	DX	OTHER SPECIFIED MULTIPLE GESTATION, UNSPECIFIED NUMBER OF PLACENTA AND UNSPECIFIED NUMBER OF AMNIOTIC SACS, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.802	DX	OTHER SPECIFIED MULTIPLE GESTATION, UNSPECIFIED NUMBER OF PLACENTA AND UNSPECIFIED NUMBER OF AMNIOTIC SACS, SECOND TRIMESTER	ICD-10-CM

6 Pregnant female or breast-feeding	030.803	DX	OTHER SPECIFIED MULTIPLE GESTATION, UNSPECIFIED NUMBER OF PLACENTA AND UNSPECIFIED NUMBER OF AMNIOTIC SACS, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.809	DX	OTHER SPECIFIED MULTIPLE GESTATION, UNSPECIFIED NUMBER OF PLACENTA AND UNSPECIFIED NUMBER OF AMNIOTIC SACS, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.81	DX	OTHER SPECIFIED MULTIPLE GESTATION WITH TWO OR MORE MONOCHORIONIC FETUSES	ICD-10-CM
6 Pregnant female or breast-feeding	030.811	DX	OTHER SPECIFIED MULTIPLE GESTATION WITH TWO OR MORE MONOCHORIONIC FETUSES, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.812	DX	OTHER SPECIFIED MULTIPLE GESTATION WITH TWO OR MORE MONOCHORIONIC FETUSES, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.813	DX	OTHER SPECIFIED MULTIPLE GESTATION WITH TWO OR MORE MONOCHORIONIC FETUSES, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.819	DX	OTHER SPECIFIED MULTIPLE GESTATION WITH TWO OR MORE MONOCHORIONIC FETUSES, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.82	DX	OTHER SPECIFIED MULTIPLE GESTATION WITH TWO OR MORE MONOAMNIOTIC FETUSES	ICD-10-CM
6 Pregnant female or breast-feeding	030.821	DX	OTHER SPECIFIED MULTIPLE GESTATION WITH TWO OR MORE MONOAMNIOTIC FETUSES, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.822	DX	OTHER SPECIFIED MULTIPLE GESTATION WITH TWO OR MORE MONOAMNIOTIC FETUSES, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.823	DX	OTHER SPECIFIED MULTIPLE GESTATION WITH TWO OR MORE MONOAMNIOTIC FETUSES, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.829	DX	OTHER SPECIFIED MULTIPLE GESTATION WITH TWO OR MORE MONOAMNIOTIC FETUSES, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.83	DX	OTHER SPECIFIED MULTIPLE GESTATION, NUMBER OF CHORIONS AND AMNIONS ARE BOTH EQUAL TO THE NUMBER OF FETUSES	ICD-10-CM
6 Pregnant female or breast-feeding	030.831	DX	OTHER SPECIFIED MULTIPLE GESTATION, NUMBER OF CHORIONS AND AMNIONS ARE BOTH EQUAL TO THE NUMBER OF FETUSES, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.832	DX	OTHER SPECIFIED MULTIPLE GESTATION, NUMBER OF CHORIONS AND AMNIONS ARE BOTH EQUAL TO THE NUMBER OF FETUSES, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.833	DX	OTHER SPECIFIED MULTIPLE GESTATION, NUMBER OF CHORIONS AND AMNIONS ARE BOTH EQUAL TO THE NUMBER OF FETUSES, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.839	DX	OTHER SPECIFIED MULTIPLE GESTATION, NUMBER OF CHORIONS AND AMNIONS ARE BOTH EQUAL TO THE NUMBER OF FETUSES, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.89	DX	OTHER SPECIFIED MULTIPLE GESTATION, UNABLE TO DETERMINE NUMBER OF PLACENTA AND NUMBER OF AMNIOTIC SACS	ICD-10-CM
6 Pregnant female or breast-feeding	030.891	DX	OTHER SPECIFIED MULTIPLE GESTATION, UNABLE TO DETERMINE NUMBER OF PLACENTA AND NUMBER OF AMNIOTIC SACS, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.892	DX	OTHER SPECIFIED MULTIPLE GESTATION, UNABLE TO DETERMINE NUMBER OF PLACENTA AND NUMBER OF AMNIOTIC SACS, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.893	DX	OTHER SPECIFIED MULTIPLE GESTATION, UNABLE TO DETERMINE NUMBER OF PLACENTA AND NUMBER OF AMNIOTIC SACS, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.899	DX	OTHER SPECIFIED MULTIPLE GESTATION, UNABLE TO DETERMINE NUMBER OF PLACENTA AND NUMBER OF AMNIOTIC SACS, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.9	DX	MULTIPLE GESTATION, UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	030.90	DX	MULTIPLE GESTATION, UNSPECIFIED, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.91	DX	MULTIPLE GESTATION, UNSPECIFIED, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.92	DX	MULTIPLE GESTATION, UNSPECIFIED, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	030.93	DX	MULTIPLE GESTATION, UNSPECIFIED, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	031	DX	COMPLICATIONS SPECIFIC TO MULTIPLE GESTATION	ICD-10-CM
6 Pregnant female or breast-feeding	031.0	DX	PAPYRACEOUS FETUS	ICD-10-CM
6 Pregnant female or breast-feeding	031.00	DX	PAPYRACEOUS FETUS, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	031.00X0	DX	PAPYRACEOUS FETUS, UNSPECIFIED TRIMESTER, NOT APPLICABLE OR UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	031.00X1	DX	PAPYRACEOUS FETUS, UNSPECIFIED TRIMESTER, FETUS 1	ICD-10-CM
6 Pregnant female or breast-feeding	031.00X2	DX	PAPYRACEOUS FETUS, UNSPECIFIED TRIMESTER, FETUS 2	ICD-10-CM
6 Pregnant female or breast-feeding	031.00X3	DX	PAPYRACEOUS FETUS, UNSPECIFIED TRIMESTER, FETUS 3	ICD-10-CM
6 Pregnant female or breast-feeding	031.00X4	DX	PAPYRACEOUS FETUS, UNSPECIFIED TRIMESTER, FETUS 4	ICD-10-CM
6 Pregnant female or breast-feeding	031.00X5	DX	PAPYRACEOUS FETUS, UNSPECIFIED TRIMESTER, FETUS 5	ICD-10-CM
6 Pregnant female or breast-feeding	031.00X9	DX	PAPYRACEOUS FETUS, UNSPECIFIED TRIMESTER, OTHER FETUS	ICD-10-CM
6 Pregnant female or breast-feeding	031.01	DX	PAPYRACEOUS FETUS, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	031.01X0	DX	PAPYRACEOUS FETUS, FIRST TRIMESTER, NOT APPLICABLE OR UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	031.01X1	DX	PAPYRACEOUS FETUS, FIRST TRIMESTER, FETUS 1	ICD-10-CM
6 Pregnant female or breast-feeding	031.01X2	DX	PAPYRACEOUS FETUS, FIRST TRIMESTER, FETUS 2	ICD-10-CM

6 Pregnant female or breast-feeding	031.8X94	DX	OTHER COMPLICATIONS SPECIFIC TO MULTIPLE GESTATION, UNSPECIFIED TRIMESTER, FETUS 4	ICD-10-CM
6 Pregnant female or breast-feeding	031.8X95	DX	OTHER COMPLICATIONS SPECIFIC TO MULTIPLE GESTATION, UNSPECIFIED TRIMESTER, FETUS 5	ICD-10-CM
6 Pregnant female or breast-feeding	031.8X99	DX	OTHER COMPLICATIONS SPECIFIC TO MULTIPLE GESTATION, UNSPECIFIED TRIMESTER, OTHER FETUS	ICD-10-CM
6 Pregnant female or breast-feeding	032	DX	MATERNAL CARE FOR MALPRESENTATION OF FETUS	ICD-10-CM
6 Pregnant female or breast-feeding	032.0	DX	MATERNAL CARE FOR UNSTABLE LIE	ICD-10-CM
6 Pregnant female or breast-feeding	032.0XX	DX		ICD-10-CM
6 Pregnant female or breast-feeding	032.0XX0	DX	MATERNAL CARE FOR UNSTABLE LIE, NOT APPLICABLE OR UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	032.0XX1	DX	MATERNAL CARE FOR UNSTABLE LIE, FETUS 1	ICD-10-CM
6 Pregnant female or breast-feeding	032.0XX2	DX	MATERNAL CARE FOR UNSTABLE LIE, FETUS 2	ICD-10-CM
6 Pregnant female or breast-feeding	032.0XX3	DX	MATERNAL CARE FOR UNSTABLE LIE, FETUS 3	ICD-10-CM
6 Pregnant female or breast-feeding	032.0XX4	DX	MATERNAL CARE FOR UNSTABLE LIE, FETUS 4	ICD-10-CM
6 Pregnant female or breast-feeding	032.0XX5	DX	MATERNAL CARE FOR UNSTABLE LIE, FETUS 5	ICD-10-CM
6 Pregnant female or breast-feeding	032.0XX9	DX	MATERNAL CARE FOR UNSTABLE LIE, OTHER FETUS	ICD-10-CM
6 Pregnant female or breast-feeding	032.1	DX	MATERNAL CARE FOR BREECH PRESENTATION	ICD-10-CM
6 Pregnant female or breast-feeding	032.1XX	DX		ICD-10-CM
6 Pregnant female or breast-feeding	032.1XX0	DX	MATERNAL CARE FOR BREECH PRESENTATION, NOT APPLICABLE OR UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	032.1XX1	DX	MATERNAL CARE FOR BREECH PRESENTATION, FETUS 1	ICD-10-CM
6 Pregnant female or breast-feeding	032.1XX2	DX	MATERNAL CARE FOR BREECH PRESENTATION, FETUS 2	ICD-10-CM
6 Pregnant female or breast-feeding	032.1XX3	DX	MATERNAL CARE FOR BREECH PRESENTATION, FETUS 3	ICD-10-CM
6 Pregnant female or breast-feeding	032.1XX4	DX	MATERNAL CARE FOR BREECH PRESENTATION, FETUS 4	ICD-10-CM
6 Pregnant female or breast-feeding	032.1XX5	DX	MATERNAL CARE FOR BREECH PRESENTATION, FETUS 5	ICD-10-CM
6 Pregnant female or breast-feeding	032.1XX9	DX	MATERNAL CARE FOR BREECH PRESENTATION, OTHER FETUS	ICD-10-CM
6 Pregnant female or breast-feeding	032.2	DX	MATERNAL CARE FOR TRANSVERSE AND OBLIQUE LIE	ICD-10-CM
6 Pregnant female or breast-feeding	032.2XX	DX		ICD-10-CM
6 Pregnant female or breast-feeding	032.2XX0	DX	MATERNAL CARE FOR TRANSVERSE AND OBLIQUE LIE, NOT APPLICABLE OR UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	032.2XX1	DX	MATERNAL CARE FOR TRANSVERSE AND OBLIQUE LIE, FETUS 1	ICD-10-CM
6 Pregnant female or breast-feeding	032.2XX2	DX	MATERNAL CARE FOR TRANSVERSE AND OBLIQUE LIE, FETUS 2	ICD-10-CM
6 Pregnant female or breast-feeding	032.2XX3	DX	MATERNAL CARE FOR TRANSVERSE AND OBLIQUE LIE, FETUS 3	ICD-10-CM
6 Pregnant female or breast-feeding	032.2XX4	DX	MATERNAL CARE FOR TRANSVERSE AND OBLIQUE LIE, FETUS 4	ICD-10-CM
6 Pregnant female or breast-feeding	032.2XX5	DX	MATERNAL CARE FOR TRANSVERSE AND OBLIQUE LIE, FETUS 5	ICD-10-CM
6 Pregnant female or breast-feeding	032.2XX9	DX	MATERNAL CARE FOR TRANSVERSE AND OBLIQUE LIE, OTHER FETUS	ICD-10-CM
6 Pregnant female or breast-feeding	032.3	DX	MATERNAL CARE FOR FACE, BROW AND CHIN PRESENTATION	ICD-10-CM
6 Pregnant female or breast-feeding	032.3XX0	DX	MATERNAL CARE FOR FACE, BROW AND CHIN PRESENTATION, NOT APPLICABLE OR UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	032.3XX1	DX	MATERNAL CARE FOR FACE, BROW AND CHIN PRESENTATION, FETUS 1	ICD-10-CM
6 Pregnant female or breast-feeding	032.3XX2	DX	MATERNAL CARE FOR FACE, BROW AND CHIN PRESENTATION, FETUS 2	ICD-10-CM
6 Pregnant female or breast-feeding	032.3XX3	DX	MATERNAL CARE FOR FACE, BROW AND CHIN PRESENTATION, FETUS 3	ICD-10-CM
6 Pregnant female or breast-feeding	032.3XX4	DX	MATERNAL CARE FOR FACE, BROW AND CHIN PRESENTATION, FETUS 4	ICD-10-CM
6 Pregnant female or breast-feeding	032.3XX5	DX	MATERNAL CARE FOR FACE, BROW AND CHIN PRESENTATION, FETUS 5	ICD-10-CM
6 Pregnant female or breast-feeding	032.3XX9	DX	MATERNAL CARE FOR FACE, BROW AND CHIN PRESENTATION, OTHER FETUS	ICD-10-CM
6 Pregnant female or breast-feeding	032.4	DX	MATERNAL CARE FOR HIGH HEAD AT TERM	ICD-10-CM
6 Pregnant female or breast-feeding	032.4X	DX		ICD-10-CM
6 Pregnant female or breast-feeding	032.4XX0	DX	MATERNAL CARE FOR HIGH HEAD AT TERM, NOT APPLICABLE OR UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	032.4XX1	DX	MATERNAL CARE FOR HIGH HEAD AT TERM, FETUS 1	ICD-10-CM
6 Pregnant female or breast-feeding	032.4XX2	DX	MATERNAL CARE FOR HIGH HEAD AT TERM, FETUS 2	ICD-10-CM
6 Pregnant female or breast-feeding	032.4XX3	DX	MATERNAL CARE FOR HIGH HEAD AT TERM, FETUS 3	ICD-10-CM
6 Pregnant female or breast-feeding	032.4XX4	DX	MATERNAL CARE FOR HIGH HEAD AT TERM, FETUS 4	ICD-10-CM
6 Pregnant female or breast-feeding	032.4XX5	DX	MATERNAL CARE FOR HIGH HEAD AT TERM, FETUS 5	ICD-10-CM
6 Pregnant female or breast-feeding	032.4XX9	DX	MATERNAL CARE FOR HIGH HEAD AT TERM, OTHER FETUS	ICD-10-CM
6 Pregnant female or breast-feeding	032.6	DX	MATERNAL CARE FOR COMPOUND PRESENTATION	ICD-10-CM
6 Pregnant female or breast-feeding	032.6XX0	DX	MATERNAL CARE FOR COMPOUND PRESENTATION, NOT APPLICABLE OR UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	032.6XX1	DX	MATERNAL CARE FOR COMPOUND PRESENTATION, FETUS 1	ICD-10-CM
6 Pregnant female or breast-feeding	032.6XX2	DX	MATERNAL CARE FOR COMPOUND PRESENTATION, FETUS 2	ICD-10-CM
6 Pregnant female or breast-feeding	032.6XX3	DX	MATERNAL CARE FOR COMPOUND PRESENTATION, FETUS 3	ICD-10-CM
6 Pregnant female or breast-feeding	032.6XX4	DX	MATERNAL CARE FOR COMPOUND PRESENTATION, FETUS 4	ICD-10-CM
6 Pregnant female or breast-feeding	032.6XX5	DX	MATERNAL CARE FOR COMPOUND PRESENTATION, FETUS 5	ICD-10-CM
6 Pregnant female or breast-feeding	032.6XX9	DX	MATERNAL CARE FOR COMPOUND PRESENTATION, OTHER FETUS	ICD-10-CM

6 Pregnant female or breast-feeding	033.6XX0	DX	MATERNAL CARE FOR DISPROPORTION DUE TO HYDROCEPHALIC FETUS, NOT APPLICABLE OR UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	033.6XX1	DX	MATERNAL CARE FOR DISPROPORTION DUE TO HYDROCEPHALIC FETUS, FETUS 1	ICD-10-CM
6 Pregnant female or breast-feeding	033.6XX2	DX	MATERNAL CARE FOR DISPROPORTION DUE TO HYDROCEPHALIC FETUS, FETUS 2	ICD-10-CM
6 Pregnant female or breast-feeding	033.6XX3	DX	MATERNAL CARE FOR DISPROPORTION DUE TO HYDROCEPHALIC FETUS, FETUS 3	ICD-10-CM
6 Pregnant female or breast-feeding	033.6XX4	DX	MATERNAL CARE FOR DISPROPORTION DUE TO HYDROCEPHALIC FETUS, FETUS 4	ICD-10-CM
6 Pregnant female or breast-feeding	033.6XX5	DX	MATERNAL CARE FOR DISPROPORTION DUE TO HYDROCEPHALIC FETUS, FETUS 5	ICD-10-CM
6 Pregnant female or breast-feeding	033.6XX9	DX	MATERNAL CARE FOR DISPROPORTION DUE TO HYDROCEPHALIC FETUS, OTHER FETUS	ICD-10-CM
6 Pregnant female or breast-feeding	033.7	DX	MATERNAL CARE FOR DISPROPORTION DUE TO OTHER FETAL DEFORMITIES	ICD-10-CM
6 Pregnant female or breast-feeding	033.7XX0	DX	MATERNAL CARE FOR DISPROPORTION DUE TO OTHER FETAL DEFORMITIES, NOT APPLICABLE OR UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	033.7XX1	DX	MATERNAL CARE FOR DISPROPORTION DUE TO OTHER FETAL DEFORMITIES, FETUS 1	ICD-10-CM
6 Pregnant female or breast-feeding	033.7XX2	DX	MATERNAL CARE FOR DISPROPORTION DUE TO OTHER FETAL DEFORMITIES, FETUS 2	ICD-10-CM
6 Pregnant female or breast-feeding	033.7XX3	DX	MATERNAL CARE FOR DISPROPORTION DUE TO OTHER FETAL DEFORMITIES, FETUS 3	ICD-10-CM
6 Pregnant female or breast-feeding	033.7XX4	DX	MATERNAL CARE FOR DISPROPORTION DUE TO OTHER FETAL DEFORMITIES, FETUS 4	ICD-10-CM
6 Pregnant female or breast-feeding	033.7XX5	DX	MATERNAL CARE FOR DISPROPORTION DUE TO OTHER FETAL DEFORMITIES, FETUS 5	ICD-10-CM
6 Pregnant female or breast-feeding	033.7XX9	DX	MATERNAL CARE FOR DISPROPORTION DUE TO OTHER FETAL DEFORMITIES, OTHER FETUS	ICD-10-CM
6 Pregnant female or breast-feeding	033.8	DX	MATERNAL CARE FOR DISPROPORTION OF OTHER ORIGIN	ICD-10-CM
6 Pregnant female or breast-feeding	033.9	DX	MATERNAL CARE FOR DISPROPORTION, UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	034	DX	MATERNAL CARE FOR ABNORMALITY OF PELVIC ORGANS	ICD-10-CM
6 Pregnant female or breast-feeding	034.0	DX	MATERNAL CARE FOR CONGENITAL MALFORMATION OF UTERUS	ICD-10-CM
6 Pregnant female or breast-feeding	034.00	DX	MATERNAL CARE FOR UNSPECIFIED CONGENITAL MALFORMATION OF UTERUS, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.01	DX	MATERNAL CARE FOR UNSPECIFIED CONGENITAL MALFORMATION OF UTERUS, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.02	DX	MATERNAL CARE FOR UNSPECIFIED CONGENITAL MALFORMATION OF UTERUS, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.03	DX	MATERNAL CARE FOR UNSPECIFIED CONGENITAL MALFORMATION OF UTERUS, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.1	DX	MATERNAL CARE FOR BENIGN TUMOR OF CORPUS UTERI	ICD-10-CM
6 Pregnant female or breast-feeding	034.10	DX	MATERNAL CARE FOR BENIGN TUMOR OF CORPUS UTERI, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.11	DX	MATERNAL CARE FOR BENIGN TUMOR OF CORPUS UTERI, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.12	DX	MATERNAL CARE FOR BENIGN TUMOR OF CORPUS UTERI, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.13	DX	MATERNAL CARE FOR BENIGN TUMOR OF CORPUS UTERI, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.2	DX	MATERNAL CARE DUE TO UTERINE SCAR FROM PREVIOUS SURGERY	ICD-10-CM
6 Pregnant female or breast-feeding	034.21	DX	MATERNAL CARE FOR SCAR FROM PREVIOUS CESAREAN DELIVERY	ICD-10-CM
6 Pregnant female or breast-feeding	034.211	DX	MATERNAL CARE FOR LOW TRANSVERSE SCAR FROM PREVIOUS CESAREAN DELIVERY	ICD-10-CM
6 Pregnant female or breast-feeding	034.212	DX	MATERNAL CARE FOR VERTICAL SCAR FROM PREVIOUS CESAREAN DELIVERY	ICD-10-CM
6 Pregnant female or breast-feeding	034.219	DX	MATERNAL CARE FOR UNSPECIFIED TYPE SCAR FROM PREVIOUS CESAREAN DELIVERY	ICD-10-CM
6 Pregnant female or breast-feeding	034.29	DX	MATERNAL CARE DUE TO UTERINE SCAR FROM OTHER PREVIOUS SURGERY	ICD-10-CM
6 Pregnant female or breast-feeding	034.3	DX	MATERNAL CARE FOR CERVICAL INCOMPETENCE	ICD-10-CM
6 Pregnant female or breast-feeding	034.30	DX	MATERNAL CARE FOR CERVICAL INCOMPETENCE, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.31	DX	MATERNAL CARE FOR CERVICAL INCOMPETENCE, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.32	DX	MATERNAL CARE FOR CERVICAL INCOMPETENCE, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.33	DX	MATERNAL CARE FOR CERVICAL INCOMPETENCE, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.4	DX	MATERNAL CARE FOR OTHER ABNORMALITIES OF CERVIX	ICD-10-CM
6 Pregnant female or breast-feeding	034.40	DX	MATERNAL CARE FOR OTHER ABNORMALITIES OF CERVIX, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.41	DX	MATERNAL CARE FOR OTHER ABNORMALITIES OF CERVIX, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.42	DX	MATERNAL CARE FOR OTHER ABNORMALITIES OF CERVIX, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.43	DX	MATERNAL CARE FOR OTHER ABNORMALITIES OF CERVIX, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.5	DX	MATERNAL CARE FOR OTHER ABNORMALITIES OF GRAVID UTERUS	ICD-10-CM
6 Pregnant female or breast-feeding	034.51	DX	MATERNAL CARE FOR INCARCERATION OF GRAVID UTERUS	ICD-10-CM
6 Pregnant female or breast-feeding	034.511	DX	MATERNAL CARE FOR INCARCERATION OF GRAVID UTERUS, FIRST TRIMESTER	ICD-10-CM

6 Pregnant female or breast-feeding	034.512	DX	MATERNAL CARE FOR INCARCERATION OF GRAVID UTERUS, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.513	DX	MATERNAL CARE FOR INCARCERATION OF GRAVID UTERUS, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.519	DX	MATERNAL CARE FOR INCARCERATION OF GRAVID UTERUS, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.52	DX	MATERNAL CARE FOR PROLAPSE OF GRAVID UTERUS	ICD-10-CM
6 Pregnant female or breast-feeding	034.521	DX	MATERNAL CARE FOR PROLAPSE OF GRAVID UTERUS, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.522	DX	MATERNAL CARE FOR PROLAPSE OF GRAVID UTERUS, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.523	DX	MATERNAL CARE FOR PROLAPSE OF GRAVID UTERUS, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.529	DX	MATERNAL CARE FOR PROLAPSE OF GRAVID UTERUS, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.53	DX	MATERNAL CARE FOR RETROVERSION OF GRAVID UTERUS	ICD-10-CM
6 Pregnant female or breast-feeding	034.531	DX	MATERNAL CARE FOR RETROVERSION OF GRAVID UTERUS, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.532	DX	MATERNAL CARE FOR RETROVERSION OF GRAVID UTERUS, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.533	DX	MATERNAL CARE FOR RETROVERSION OF GRAVID UTERUS, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.539	DX	MATERNAL CARE FOR RETROVERSION OF GRAVID UTERUS, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.59	DX	MATERNAL CARE FOR OTHER ABNORMALITIES OF GRAVID UTERUS	ICD-10-CM
6 Pregnant female or breast-feeding	034.591	DX	MATERNAL CARE FOR OTHER ABNORMALITIES OF GRAVID UTERUS, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.592	DX	MATERNAL CARE FOR OTHER ABNORMALITIES OF GRAVID UTERUS, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.593	DX	MATERNAL CARE FOR OTHER ABNORMALITIES OF GRAVID UTERUS, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.599	DX	MATERNAL CARE FOR OTHER ABNORMALITIES OF GRAVID UTERUS, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.6	DX	MATERNAL CARE FOR ABNORMALITY OF VAGINA	ICD-10-CM
6 Pregnant female or breast-feeding	034.60	DX	MATERNAL CARE FOR ABNORMALITY OF VAGINA, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.61	DX	MATERNAL CARE FOR ABNORMALITY OF VAGINA, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.62	DX	MATERNAL CARE FOR ABNORMALITY OF VAGINA, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.63	DX	MATERNAL CARE FOR ABNORMALITY OF VAGINA, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.7	DX	MATERNAL CARE FOR ABNORMALITY OF VULVA AND PERINEUM	ICD-10-CM
6 Pregnant female or breast-feeding	034.70	DX	MATERNAL CARE FOR ABNORMALITY OF VULVA AND PERINEUM, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.71	DX	MATERNAL CARE FOR ABNORMALITY OF VULVA AND PERINEUM, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.72	DX	MATERNAL CARE FOR ABNORMALITY OF VULVA AND PERINEUM, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.73	DX	MATERNAL CARE FOR ABNORMALITY OF VULVA AND PERINEUM, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.8	DX	MATERNAL CARE FOR OTHER ABNORMALITIES OF PELVIC ORGANS	ICD-10-CM
6 Pregnant female or breast-feeding	034.80	DX	MATERNAL CARE FOR OTHER ABNORMALITIES OF PELVIC ORGANS, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.81	DX	MATERNAL CARE FOR OTHER ABNORMALITIES OF PELVIC ORGANS, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.82	DX	MATERNAL CARE FOR OTHER ABNORMALITIES OF PELVIC ORGANS, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.83	DX	MATERNAL CARE FOR OTHER ABNORMALITIES OF PELVIC ORGANS, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.9	DX	MATERNAL CARE FOR ABNORMALITY OF PELVIC ORGAN, UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	034.90	DX	MATERNAL CARE FOR ABNORMALITY OF PELVIC ORGAN, UNSPECIFIED, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.91	DX	MATERNAL CARE FOR ABNORMALITY OF PELVIC ORGAN, UNSPECIFIED, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.92	DX	MATERNAL CARE FOR ABNORMALITY OF PELVIC ORGAN, UNSPECIFIED, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	034.93	DX	MATERNAL CARE FOR ABNORMALITY OF PELVIC ORGAN, UNSPECIFIED, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	035	DX	MATERNAL CARE FOR KNOWN OR SUSPECTED FETAL ABNORMALITY AND DAMAGE	ICD-10-CM
6 Pregnant female or breast-feeding	035.0	DX	MATERNAL CARE FOR (SUSPECTED) CENTRAL NERVOUS SYSTEM MALFORMATION IN FETUS	ICD-10-CM
6 Pregnant female or breast-feeding	035.0XX0	DX	MATERNAL CARE FOR (SUSPECTED) CENTRAL NERVOUS SYSTEM MALFORMATION IN FETUS, NOT APPLICABLE OR UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	035.0XX1	DX	MATERNAL CARE FOR (SUSPECTED) CENTRAL NERVOUS SYSTEM MALFORMATION IN FETUS, FETUS 1	ICD-10-CM
6 Pregnant female or breast-feeding	035.0XX2	DX	MATERNAL CARE FOR (SUSPECTED) CENTRAL NERVOUS SYSTEM MALFORMATION IN FETUS, FETUS 2	ICD-10-CM
6 Pregnant female or breast-feeding	035.0XX3	DX	MATERNAL CARE FOR (SUSPECTED) CENTRAL NERVOUS SYSTEM MALFORMATION IN FETUS, FETUS 3	ICD-10-CM
6 Pregnant female or breast-feeding	035.0XX4	DX	MATERNAL CARE FOR (SUSPECTED) CENTRAL NERVOUS SYSTEM MALFORMATION IN FETUS, FETUS 4	ICD-10-CM

6 Pregnant female or breast-feeding	036.72X3	DX	MATERNAL CARE FOR VIABLE FETUS IN ABDOMINAL PREGNANCY, SECOND TRIMESTER, FETUS 3	ICD-10-CM
6 Pregnant female or breast-feeding	036.72X4	DX	MATERNAL CARE FOR VIABLE FETUS IN ABDOMINAL PREGNANCY, SECOND TRIMESTER, FETUS 4	ICD-10-CM
6 Pregnant female or breast-feeding	036.72X5	DX	MATERNAL CARE FOR VIABLE FETUS IN ABDOMINAL PREGNANCY, SECOND TRIMESTER, FETUS 5	ICD-10-CM
6 Pregnant female or breast-feeding	036.72X9	DX	MATERNAL CARE FOR VIABLE FETUS IN ABDOMINAL PREGNANCY, SECOND TRIMESTER, OTHER FETUS	ICD-10-CM
6 Pregnant female or breast-feeding	036.73	DX	MATERNAL CARE FOR VIABLE FETUS IN ABDOMINAL PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	036.73X0	DX	MATERNAL CARE FOR VIABLE FETUS IN ABDOMINAL PREGNANCY, THIRD TRIMESTER, NOT APPLICABLE OR UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	036.73X1	DX	MATERNAL CARE FOR VIABLE FETUS IN ABDOMINAL PREGNANCY, THIRD TRIMESTER, FETUS 1	ICD-10-CM
6 Pregnant female or breast-feeding	036.73X2	DX	MATERNAL CARE FOR VIABLE FETUS IN ABDOMINAL PREGNANCY, THIRD TRIMESTER, FETUS 2	ICD-10-CM
6 Pregnant female or breast-feeding	036.73X3	DX	MATERNAL CARE FOR VIABLE FETUS IN ABDOMINAL PREGNANCY, THIRD TRIMESTER, FETUS 3	ICD-10-CM
6 Pregnant female or breast-feeding	036.73X4	DX	MATERNAL CARE FOR VIABLE FETUS IN ABDOMINAL PREGNANCY, THIRD TRIMESTER, FETUS 4	ICD-10-CM
6 Pregnant female or breast-feeding	036.73X5	DX	MATERNAL CARE FOR VIABLE FETUS IN ABDOMINAL PREGNANCY, THIRD TRIMESTER, FETUS 5	ICD-10-CM
6 Pregnant female or breast-feeding	036.73X9	DX	MATERNAL CARE FOR VIABLE FETUS IN ABDOMINAL PREGNANCY, THIRD TRIMESTER, OTHER FETUS	ICD-10-CM
6 Pregnant female or breast-feeding	036.8	DX	MATERNAL CARE FOR OTHER SPECIFIED FETAL PROBLEMS	ICD-10-CM
6 Pregnant female or breast-feeding	036.80	DX	PREGNANCY WITH INCONCLUSIVE FETAL VIABILITY	ICD-10-CM
6 Pregnant female or breast-feeding	036.80X	DX	PREGNANCY WITH INCONCLUSIVE FETAL VIABILITY, NOT APPLICABLE OR UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	036.80X0	DX	PREGNANCY WITH INCONCLUSIVE FETAL VIABILITY, FETUS 1	ICD-10-CM
6 Pregnant female or breast-feeding	036.80X1	DX	PREGNANCY WITH INCONCLUSIVE FETAL VIABILITY, FETUS 2	ICD-10-CM
6 Pregnant female or breast-feeding	036.80X2	DX	PREGNANCY WITH INCONCLUSIVE FETAL VIABILITY, FETUS 3	ICD-10-CM
6 Pregnant female or breast-feeding	036.80X3	DX	PREGNANCY WITH INCONCLUSIVE FETAL VIABILITY, FETUS 4	ICD-10-CM
6 Pregnant female or breast-feeding	036.80X4	DX	PREGNANCY WITH INCONCLUSIVE FETAL VIABILITY, FETUS 5	ICD-10-CM
6 Pregnant female or breast-feeding	036.80X5	DX	PREGNANCY WITH INCONCLUSIVE FETAL VIABILITY, OTHER FETUS	ICD-10-CM
6 Pregnant female or breast-feeding	036.80X9	DX	DECREASED FETAL MOVEMENTS	ICD-10-CM
6 Pregnant female or breast-feeding	036.81	DX	DECREASED FETAL MOVEMENTS, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	036.812	DX	DECREASED FETAL MOVEMENTS, SECOND TRIMESTER, NOT APPLICABLE OR UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	036.8120	DX	DECREASED FETAL MOVEMENTS, SECOND TRIMESTER, FETUS 1	ICD-10-CM
6 Pregnant female or breast-feeding	036.8121	DX	DECREASED FETAL MOVEMENTS, SECOND TRIMESTER, FETUS 2	ICD-10-CM
6 Pregnant female or breast-feeding	036.8122	DX	DECREASED FETAL MOVEMENTS, SECOND TRIMESTER, FETUS 3	ICD-10-CM
6 Pregnant female or breast-feeding	036.8123	DX	DECREASED FETAL MOVEMENTS, SECOND TRIMESTER, FETUS 4	ICD-10-CM
6 Pregnant female or breast-feeding	036.8124	DX	DECREASED FETAL MOVEMENTS, SECOND TRIMESTER, FETUS 5	ICD-10-CM
6 Pregnant female or breast-feeding	036.8125	DX	DECREASED FETAL MOVEMENTS, SECOND TRIMESTER, OTHER FETUS	ICD-10-CM
6 Pregnant female or breast-feeding	036.8129	DX	DECREASED FETAL MOVEMENTS, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	036.813	DX	DECREASED FETAL MOVEMENTS, THIRD TRIMESTER, NOT APPLICABLE OR UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	036.8130	DX	DECREASED FETAL MOVEMENTS, THIRD TRIMESTER, FETUS 1	ICD-10-CM
6 Pregnant female or breast-feeding	036.8131	DX	DECREASED FETAL MOVEMENTS, THIRD TRIMESTER, FETUS 2	ICD-10-CM
6 Pregnant female or breast-feeding	036.8132	DX	DECREASED FETAL MOVEMENTS, THIRD TRIMESTER, FETUS 3	ICD-10-CM
6 Pregnant female or breast-feeding	036.8133	DX	DECREASED FETAL MOVEMENTS, THIRD TRIMESTER, FETUS 4	ICD-10-CM
6 Pregnant female or breast-feeding	036.8134	DX	DECREASED FETAL MOVEMENTS, THIRD TRIMESTER, FETUS 5	ICD-10-CM
6 Pregnant female or breast-feeding	036.8135	DX	DECREASED FETAL MOVEMENTS, THIRD TRIMESTER, OTHER FETUS	ICD-10-CM
6 Pregnant female or breast-feeding	036.8139	DX	DECREASED FETAL MOVEMENTS, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	036.819	DX	DECREASED FETAL MOVEMENTS, UNSPECIFIED TRIMESTER, NOT APPLICABLE OR UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	036.8190	DX	DECREASED FETAL MOVEMENTS, UNSPECIFIED TRIMESTER, FETUS 1	ICD-10-CM
6 Pregnant female or breast-feeding	036.8191	DX	DECREASED FETAL MOVEMENTS, UNSPECIFIED TRIMESTER, FETUS 2	ICD-10-CM
6 Pregnant female or breast-feeding	036.8192	DX	DECREASED FETAL MOVEMENTS, UNSPECIFIED TRIMESTER, FETUS 3	ICD-10-CM
6 Pregnant female or breast-feeding	036.8193	DX	DECREASED FETAL MOVEMENTS, UNSPECIFIED TRIMESTER, FETUS 4	ICD-10-CM
6 Pregnant female or breast-feeding	036.8194	DX	DECREASED FETAL MOVEMENTS, UNSPECIFIED TRIMESTER, FETUS 5	ICD-10-CM
6 Pregnant female or breast-feeding	036.8195	DX	DECREASED FETAL MOVEMENTS, UNSPECIFIED TRIMESTER, OTHER FETUS	ICD-10-CM
6 Pregnant female or breast-feeding	036.8199	DX	FETAL ANEMIA AND THROMBOCYTOPENIA	ICD-10-CM
6 Pregnant female or breast-feeding	036.82	DX	FETAL ANEMIA AND THROMBOCYTOPENIA, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	036.821	DX	FETAL ANEMIA AND THROMBOCYTOPENIA, FIRST TRIMESTER	ICD-10-CM

6 Pregnant female or breast-feeding	036.93X2	DX	MATERNAL CARE FOR FETAL PROBLEM, UNSPECIFIED, THIRD TRIMESTER, FETUS 2	ICD-10-CM
6 Pregnant female or breast-feeding	036.93X3	DX	MATERNAL CARE FOR FETAL PROBLEM, UNSPECIFIED, THIRD TRIMESTER, FETUS 3	ICD-10-CM
6 Pregnant female or breast-feeding	036.93X4	DX	MATERNAL CARE FOR FETAL PROBLEM, UNSPECIFIED, THIRD TRIMESTER, FETUS 4	ICD-10-CM
6 Pregnant female or breast-feeding	036.93X5	DX	MATERNAL CARE FOR FETAL PROBLEM, UNSPECIFIED, THIRD TRIMESTER, FETUS 5	ICD-10-CM
6 Pregnant female or breast-feeding	036.93X9	DX	MATERNAL CARE FOR FETAL PROBLEM, UNSPECIFIED, THIRD TRIMESTER, OTHER FETUS	ICD-10-CM
6 Pregnant female or breast-feeding	040	DX	POLYHYDRAMNIOS	ICD-10-CM
6 Pregnant female or breast-feeding	040.1	DX	POLYHYDRAMNIOS, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	040.1XX0	DX	POLYHYDRAMNIOS, FIRST TRIMESTER, NOT APPLICABLE OR UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	040.1XX1	DX	POLYHYDRAMNIOS, FIRST TRIMESTER, FETUS 1	ICD-10-CM
6 Pregnant female or breast-feeding	040.1XX2	DX	POLYHYDRAMNIOS, FIRST TRIMESTER, FETUS 2	ICD-10-CM
6 Pregnant female or breast-feeding	040.1XX3	DX	POLYHYDRAMNIOS, FIRST TRIMESTER, FETUS 3	ICD-10-CM
6 Pregnant female or breast-feeding	040.1XX4	DX	POLYHYDRAMNIOS, FIRST TRIMESTER, FETUS 4	ICD-10-CM
6 Pregnant female or breast-feeding	040.1XX5	DX	POLYHYDRAMNIOS, FIRST TRIMESTER, FETUS 5	ICD-10-CM
6 Pregnant female or breast-feeding	040.1XX9	DX	POLYHYDRAMNIOS, FIRST TRIMESTER, OTHER FETUS	ICD-10-CM
6 Pregnant female or breast-feeding	040.2	DX	POLYHYDRAMNIOS, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	040.2XX0	DX	POLYHYDRAMNIOS, SECOND TRIMESTER, NOT APPLICABLE OR UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	040.2XX1	DX	POLYHYDRAMNIOS, SECOND TRIMESTER, FETUS 1	ICD-10-CM
6 Pregnant female or breast-feeding	040.2XX2	DX	POLYHYDRAMNIOS, SECOND TRIMESTER, FETUS 2	ICD-10-CM
6 Pregnant female or breast-feeding	040.2XX3	DX	POLYHYDRAMNIOS, SECOND TRIMESTER, FETUS 3	ICD-10-CM
6 Pregnant female or breast-feeding	040.2XX4	DX	POLYHYDRAMNIOS, SECOND TRIMESTER, FETUS 4	ICD-10-CM
6 Pregnant female or breast-feeding	040.2XX5	DX	POLYHYDRAMNIOS, SECOND TRIMESTER, FETUS 5	ICD-10-CM
6 Pregnant female or breast-feeding	040.2XX9	DX	POLYHYDRAMNIOS, SECOND TRIMESTER, OTHER FETUS	ICD-10-CM
6 Pregnant female or breast-feeding	040.3	DX	POLYHYDRAMNIOS, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	040.3XX	DX	POLYHYDRAMNIOS, THIRD TRIMESTER, NOT APPLICABLE OR UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	040.3XX0	DX	POLYHYDRAMNIOS, THIRD TRIMESTER, FETUS 1	ICD-10-CM
6 Pregnant female or breast-feeding	040.3XX1	DX	POLYHYDRAMNIOS, THIRD TRIMESTER, FETUS 2	ICD-10-CM
6 Pregnant female or breast-feeding	040.3XX2	DX	POLYHYDRAMNIOS, THIRD TRIMESTER, FETUS 3	ICD-10-CM
6 Pregnant female or breast-feeding	040.3XX3	DX	POLYHYDRAMNIOS, THIRD TRIMESTER, FETUS 4	ICD-10-CM
6 Pregnant female or breast-feeding	040.3XX4	DX	POLYHYDRAMNIOS, THIRD TRIMESTER, FETUS 5	ICD-10-CM
6 Pregnant female or breast-feeding	040.3XX5	DX	POLYHYDRAMNIOS, THIRD TRIMESTER, FETUS 5	ICD-10-CM
6 Pregnant female or breast-feeding	040.3XX9	DX	POLYHYDRAMNIOS, THIRD TRIMESTER, OTHER FETUS	ICD-10-CM
6 Pregnant female or breast-feeding	040.9	DX	POLYHYDRAMNIOS, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	040.9X	DX	POLYHYDRAMNIOS, UNSPECIFIED TRIMESTER, NOT APPLICABLE OR UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	040.9XX0	DX	POLYHYDRAMNIOS, UNSPECIFIED TRIMESTER, FETUS 1	ICD-10-CM
6 Pregnant female or breast-feeding	040.9XX1	DX	POLYHYDRAMNIOS, UNSPECIFIED TRIMESTER, FETUS 2	ICD-10-CM
6 Pregnant female or breast-feeding	040.9XX2	DX	POLYHYDRAMNIOS, UNSPECIFIED TRIMESTER, FETUS 3	ICD-10-CM
6 Pregnant female or breast-feeding	040.9XX3	DX	POLYHYDRAMNIOS, UNSPECIFIED TRIMESTER, FETUS 4	ICD-10-CM
6 Pregnant female or breast-feeding	040.9XX4	DX	POLYHYDRAMNIOS, UNSPECIFIED TRIMESTER, FETUS 5	ICD-10-CM
6 Pregnant female or breast-feeding	040.9XX5	DX	POLYHYDRAMNIOS, UNSPECIFIED TRIMESTER, FETUS 5	ICD-10-CM
6 Pregnant female or breast-feeding	040.9XX9	DX	POLYHYDRAMNIOS, UNSPECIFIED TRIMESTER, OTHER FETUS	ICD-10-CM
6 Pregnant female or breast-feeding	041	DX	OTHER DISORDERS OF AMNIOTIC FLUID AND MEMBRANES	ICD-10-CM
6 Pregnant female or breast-feeding	041.0	DX	OLIGOHYDRAMNIOS	ICD-10-CM
6 Pregnant female or breast-feeding	041.00	DX	OLIGOHYDRAMNIOS, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	041.00X	DX	OLIGOHYDRAMNIOS, UNSPECIFIED TRIMESTER, NOT APPLICABLE OR UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	041.00X0	DX	OLIGOHYDRAMNIOS, UNSPECIFIED TRIMESTER, FETUS 1	ICD-10-CM
6 Pregnant female or breast-feeding	041.00X1	DX	OLIGOHYDRAMNIOS, UNSPECIFIED TRIMESTER, FETUS 2	ICD-10-CM
6 Pregnant female or breast-feeding	041.00X2	DX	OLIGOHYDRAMNIOS, UNSPECIFIED TRIMESTER, FETUS 3	ICD-10-CM
6 Pregnant female or breast-feeding	041.00X3	DX	OLIGOHYDRAMNIOS, UNSPECIFIED TRIMESTER, FETUS 4	ICD-10-CM
6 Pregnant female or breast-feeding	041.00X4	DX	OLIGOHYDRAMNIOS, UNSPECIFIED TRIMESTER, FETUS 5	ICD-10-CM
6 Pregnant female or breast-feeding	041.00X5	DX	OLIGOHYDRAMNIOS, UNSPECIFIED TRIMESTER, FETUS 5	ICD-10-CM
6 Pregnant female or breast-feeding	041.00X9	DX	OLIGOHYDRAMNIOS, UNSPECIFIED TRIMESTER, OTHER FETUS	ICD-10-CM
6 Pregnant female or breast-feeding	041.01	DX	OLIGOHYDRAMNIOS, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	041.01X0	DX	OLIGOHYDRAMNIOS, FIRST TRIMESTER, NOT APPLICABLE OR UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	041.01X1	DX	OLIGOHYDRAMNIOS, FIRST TRIMESTER, FETUS 1	ICD-10-CM
6 Pregnant female or breast-feeding	041.01X2	DX	OLIGOHYDRAMNIOS, FIRST TRIMESTER, FETUS 2	ICD-10-CM
6 Pregnant female or breast-feeding	041.01X3	DX	OLIGOHYDRAMNIOS, FIRST TRIMESTER, FETUS 3	ICD-10-CM
6 Pregnant female or breast-feeding	041.01X4	DX	OLIGOHYDRAMNIOS, FIRST TRIMESTER, FETUS 4	ICD-10-CM
6 Pregnant female or breast-feeding	041.01X5	DX	OLIGOHYDRAMNIOS, FIRST TRIMESTER, FETUS 5	ICD-10-CM
6 Pregnant female or breast-feeding	041.01X9	DX	OLIGOHYDRAMNIOS, FIRST TRIMESTER, OTHER FETUS	ICD-10-CM
6 Pregnant female or breast-feeding	041.02	DX	OLIGOHYDRAMNIOS, SECOND TRIMESTER	ICD-10-CM

6 Pregnant female or breast-feeding	041.93X5	DX	DISORDER OF AMNIOTIC FLUID AND MEMBRANES, UNSPECIFIED, THIRD TRIMESTER, FETUS 5	ICD-10-CM
6 Pregnant female or breast-feeding	041.93X9	DX	DISORDER OF AMNIOTIC FLUID AND MEMBRANES, UNSPECIFIED, THIRD TRIMESTER, OTHER FETUS	ICD-10-CM
6 Pregnant female or breast-feeding	042.01	DX	PRETERM PREMATURE RUPTURE OF MEMBRANES, ONSET OF LABOR WITHIN 24 HOURS OF RUPTURE	ICD-10-CM
6 Pregnant female or breast-feeding	042.012	DX	PRETERM PREMATURE RUPTURE OF MEMBRANES, ONSET OF LABOR WITHIN 24 HOURS OF RUPTURE, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	042.013	DX	PRETERM PREMATURE RUPTURE OF MEMBRANES, ONSET OF LABOR WITHIN 24 HOURS OF RUPTURE, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	042.019	DX	PRETERM PREMATURE RUPTURE OF MEMBRANES, ONSET OF LABOR WITHIN 24 HOURS OF RUPTURE, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	042.1	DX	PREMATURE RUPTURE OF MEMBRANES, ONSET OF LABOR MORE THAN 24 HOURS FOLLOWING RUPTURE	ICD-10-CM
6 Pregnant female or breast-feeding	042.10	DX	PREMATURE RUPTURE OF MEMBRANES, ONSET OF LABOR MORE THAN 24 HOURS FOLLOWING RUPTURE, UNSPECIFIED WEEKS OF GESTATION	ICD-10-CM
6 Pregnant female or breast-feeding	042.11	DX	PRETERM PREMATURE RUPTURE OF MEMBRANES, ONSET OF LABOR MORE THAN 24 HOURS FOLLOWING RUPTURE	ICD-10-CM
6 Pregnant female or breast-feeding	042.111	DX	PRETERM PREMATURE RUPTURE OF MEMBRANES, ONSET OF LABOR MORE THAN 24 HOURS FOLLOWING RUPTURE, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	042.112	DX	PRETERM PREMATURE RUPTURE OF MEMBRANES, ONSET OF LABOR MORE THAN 24 HOURS FOLLOWING RUPTURE, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	042.113	DX	PRETERM PREMATURE RUPTURE OF MEMBRANES, ONSET OF LABOR MORE THAN 24 HOURS FOLLOWING RUPTURE, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	042.119	DX	PRETERM PREMATURE RUPTURE OF MEMBRANES, ONSET OF LABOR MORE THAN 24 HOURS FOLLOWING RUPTURE, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	042.12	DX	FULL-TERM PREMATURE RUPTURE OF MEMBRANES, ONSET OF LABOR MORE THAN 24 HOURS FOLLOWING RUPTURE	ICD-10-CM
6 Pregnant female or breast-feeding	042.9	DX	PREMATURE RUPTURE OF MEMBRANES, UNSPECIFIED AS TO LENGTH OF TIME BETWEEN RUPTURE AND ONSET OF LABOR	ICD-10-CM
6 Pregnant female or breast-feeding	042.90	DX	PREMATURE RUPTURE OF MEMBRANES, UNSPECIFIED AS TO LENGTH OF TIME BETWEEN RUPTURE AND ONSET OF LABOR, UNSPECIFIED WEEKS OF GESTATION	ICD-10-CM
6 Pregnant female or breast-feeding	042.91	DX	PRETERM PREMATURE RUPTURE OF MEMBRANES, UNSPECIFIED AS TO LENGTH OF TIME BETWEEN RUPTURE AND ONSET OF LABOR	ICD-10-CM
6 Pregnant female or breast-feeding	042.911	DX	PRETERM PREMATURE RUPTURE OF MEMBRANES, UNSPECIFIED AS TO LENGTH OF TIME BETWEEN RUPTURE AND ONSET OF LABOR, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	042.912	DX	PRETERM PREMATURE RUPTURE OF MEMBRANES, UNSPECIFIED AS TO LENGTH OF TIME BETWEEN RUPTURE AND ONSET OF LABOR, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	042.913	DX	PRETERM PREMATURE RUPTURE OF MEMBRANES, UNSPECIFIED AS TO LENGTH OF TIME BETWEEN RUPTURE AND ONSET OF LABOR, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	042.919	DX	PRETERM PREMATURE RUPTURE OF MEMBRANES, UNSPECIFIED AS TO LENGTH OF TIME BETWEEN RUPTURE AND ONSET OF LABOR, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	042.92	DX	FULL-TERM PREMATURE RUPTURE OF MEMBRANES, UNSPECIFIED AS TO LENGTH OF TIME BETWEEN RUPTURE AND ONSET OF LABOR	ICD-10-CM
6 Pregnant female or breast-feeding	043	DX	PLACENTAL DISORDERS	ICD-10-CM
6 Pregnant female or breast-feeding	043.0	DX	PLACENTAL TRANSFUSION SYNDROMES	ICD-10-CM
6 Pregnant female or breast-feeding	043.01	DX	FETOMATERNAL PLACENTAL TRANSFUSION SYNDROME	ICD-10-CM
6 Pregnant female or breast-feeding	043.011	DX	FETOMATERNAL PLACENTAL TRANSFUSION SYNDROME, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.012	DX	FETOMATERNAL PLACENTAL TRANSFUSION SYNDROME, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.013	DX	FETOMATERNAL PLACENTAL TRANSFUSION SYNDROME, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.019	DX	FETOMATERNAL PLACENTAL TRANSFUSION SYNDROME, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.02	DX	FETUS-TO-FETUS PLACENTAL TRANSFUSION SYNDROME	ICD-10-CM
6 Pregnant female or breast-feeding	043.021	DX	FETUS-TO-FETUS PLACENTAL TRANSFUSION SYNDROME, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.022	DX	FETUS-TO-FETUS PLACENTAL TRANSFUSION SYNDROME, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.023	DX	FETUS-TO-FETUS PLACENTAL TRANSFUSION SYNDROME, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.029	DX	FETUS-TO-FETUS PLACENTAL TRANSFUSION SYNDROME, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.1	DX	MALFORMATION OF PLACENTA	ICD-10-CM
6 Pregnant female or breast-feeding	043.10	DX	MALFORMATION OF PLACENTA, UNSPECIFIED	ICD-10-CM

6 Pregnant female or breast-feeding	043.101	DX	MALFORMATION OF PLACENTA, UNSPECIFIED, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.102	DX	MALFORMATION OF PLACENTA, UNSPECIFIED, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.103	DX	MALFORMATION OF PLACENTA, UNSPECIFIED, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.109	DX	MALFORMATION OF PLACENTA, UNSPECIFIED, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.111	DX	CIRCUMVALLATE PLACENTA	ICD-10-CM
6 Pregnant female or breast-feeding	043.112	DX	CIRCUMVALLATE PLACENTA, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.112	DX	CIRCUMVALLATE PLACENTA, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.113	DX	CIRCUMVALLATE PLACENTA, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.119	DX	CIRCUMVALLATE PLACENTA, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.12	DX	VELAMENTOUS INSERTION OF UMBILICAL CORD	ICD-10-CM
6 Pregnant female or breast-feeding	043.121	DX	VELAMENTOUS INSERTION OF UMBILICAL CORD, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.122	DX	VELAMENTOUS INSERTION OF UMBILICAL CORD, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.123	DX	VELAMENTOUS INSERTION OF UMBILICAL CORD, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.129	DX	VELAMENTOUS INSERTION OF UMBILICAL CORD, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.19	DX	OTHER MALFORMATION OF PLACENTA	ICD-10-CM
6 Pregnant female or breast-feeding	043.191	DX	OTHER MALFORMATION OF PLACENTA, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.192	DX	OTHER MALFORMATION OF PLACENTA, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.193	DX	OTHER MALFORMATION OF PLACENTA, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.199	DX	OTHER MALFORMATION OF PLACENTA, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.2	DX	MORBIDLY ADHERENT PLACENTA	ICD-10-CM
6 Pregnant female or breast-feeding	043.21	DX	PLACENTA ACCRETA	ICD-10-CM
6 Pregnant female or breast-feeding	043.211	DX	PLACENTA ACCRETA, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.212	DX	PLACENTA ACCRETA, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.213	DX	PLACENTA ACCRETA, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.219	DX	PLACENTA ACCRETA, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.22	DX	PLACENTA INCRETA	ICD-10-CM
6 Pregnant female or breast-feeding	043.221	DX	PLACENTA INCRETA, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.222	DX	PLACENTA INCRETA, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.223	DX	PLACENTA INCRETA, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.229	DX	PLACENTA INCRETA, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.23	DX	PLACENTA PERCRETA	ICD-10-CM
6 Pregnant female or breast-feeding	043.231	DX	PLACENTA PERCRETA, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.232	DX	PLACENTA PERCRETA, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.233	DX	PLACENTA PERCRETA, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.239	DX	PLACENTA PERCRETA, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.8	DX	OTHER PLACENTAL DISORDERS	ICD-10-CM
6 Pregnant female or breast-feeding	043.81	DX	PLACENTAL INFARCTION	ICD-10-CM
6 Pregnant female or breast-feeding	043.811	DX	PLACENTAL INFARCTION, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.812	DX	PLACENTAL INFARCTION, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.813	DX	PLACENTAL INFARCTION, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.819	DX	PLACENTAL INFARCTION, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.89	DX	OTHER PLACENTAL DISORDERS	ICD-10-CM
6 Pregnant female or breast-feeding	043.891	DX	OTHER PLACENTAL DISORDERS, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.892	DX	OTHER PLACENTAL DISORDERS, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.893	DX	OTHER PLACENTAL DISORDERS, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.899	DX	OTHER PLACENTAL DISORDERS, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.9	DX	UNSPECIFIED PLACENTAL DISORDER	ICD-10-CM
6 Pregnant female or breast-feeding	043.90	DX	UNSPECIFIED PLACENTAL DISORDER, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.91	DX	UNSPECIFIED PLACENTAL DISORDER, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.92	DX	UNSPECIFIED PLACENTAL DISORDER, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	043.93	DX	UNSPECIFIED PLACENTAL DISORDER, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	044	DX	PLACENTA PREVIA	ICD-10-CM
6 Pregnant female or breast-feeding	044.0	DX	COMPLETE PLACENTA PREVIA NOS OR WITHOUT HEMORRHAGE	ICD-10-CM
6 Pregnant female or breast-feeding	044.00	DX	COMPLETE PLACENTA PREVIA NOS OR WITHOUT HEMORRHAGE, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	044.01	DX	COMPLETE PLACENTA PREVIA NOS OR WITHOUT HEMORRHAGE, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	044.02	DX	COMPLETE PLACENTA PREVIA NOS OR WITHOUT HEMORRHAGE, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	044.03	DX	COMPLETE PLACENTA PREVIA NOS OR WITHOUT HEMORRHAGE, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	044.1	DX	COMPLETE PLACENTA PREVIA WITH HEMORRHAGE	ICD-10-CM
6 Pregnant female or breast-feeding	044.10	DX	COMPLETE PLACENTA PREVIA WITH HEMORRHAGE, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	044.11	DX	COMPLETE PLACENTA PREVIA WITH HEMORRHAGE, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	044.12	DX	COMPLETE PLACENTA PREVIA WITH HEMORRHAGE, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	044.13	DX	COMPLETE PLACENTA PREVIA WITH HEMORRHAGE, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	044.2	DX	PARTIAL PLACENTA PREVIA WITHOUT HEMORRHAGE	ICD-10-CM
6 Pregnant female or breast-feeding	044.20	DX	PARTIAL PLACENTA PREVIA NOS OR WITHOUT HEMORRHAGE, UNSPECIFIED TRIMESTER	ICD-10-CM

6 Pregnant female or breast-feeding	044.21	DX	PARTIAL PLACENTA PREVIA NOS OR WITHOUT HEMORRHAGE, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	044.22	DX	PARTIAL PLACENTA PREVIA NOS OR WITHOUT HEMORRHAGE, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	044.23	DX	PARTIAL PLACENTA PREVIA NOS OR WITHOUT HEMORRHAGE, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	044.3	DX	PARTIAL PLACENTA PREVIA WITH HEMORRHAGE	ICD-10-CM
6 Pregnant female or breast-feeding	044.30	DX	PARTIAL PLACENTA PREVIA WITH HEMORRHAGE, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	044.31	DX	PARTIAL PLACENTA PREVIA WITH HEMORRHAGE, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	044.32	DX	PARTIAL PLACENTA PREVIA WITH HEMORRHAGE, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	044.33	DX	PARTIAL PLACENTA PREVIA WITH HEMORRHAGE, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	044.4	DX	LOW LYING PLACENTA NOS OR WITHOUT HEMORRHAGE	ICD-10-CM
6 Pregnant female or breast-feeding	044.40	DX	LOW LYING PLACENTA NOS OR WITHOUT HEMORRHAGE, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	044.41	DX	LOW LYING PLACENTA NOS OR WITHOUT HEMORRHAGE, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	044.42	DX	LOW LYING PLACENTA NOS OR WITHOUT HEMORRHAGE, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	044.43	DX	LOW LYING PLACENTA NOS OR WITHOUT HEMORRHAGE, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	044.5	DX	LOW LYING PLACENTA WITH HEMORRHAGE	ICD-10-CM
6 Pregnant female or breast-feeding	044.50	DX	LOW LYING PLACENTA WITH HEMORRHAGE, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	044.51	DX	LOW LYING PLACENTA WITH HEMORRHAGE, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	044.52	DX	LOW LYING PLACENTA WITH HEMORRHAGE, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	044.53	DX	LOW LYING PLACENTA WITH HEMORRHAGE, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	045	DX	PREMATURE SEPARATION OF PLACENTA [ABRUPTIO PLACENTAE]	ICD-10-CM
6 Pregnant female or breast-feeding	045.0	DX	PREMATURE SEPARATION OF PLACENTA WITH COAGULATION DEFECT	ICD-10-CM
6 Pregnant female or breast-feeding	045.00	DX	PREMATURE SEPARATION OF PLACENTA WITH COAGULATION DEFECT, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	045.001	DX	PREMATURE SEPARATION OF PLACENTA WITH COAGULATION DEFECT, UNSPECIFIED, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	045.002	DX	PREMATURE SEPARATION OF PLACENTA WITH COAGULATION DEFECT, UNSPECIFIED, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	045.003	DX	PREMATURE SEPARATION OF PLACENTA WITH COAGULATION DEFECT, UNSPECIFIED, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	045.009	DX	PREMATURE SEPARATION OF PLACENTA WITH COAGULATION DEFECT, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	045.01	DX	PREMATURE SEPARATION OF PLACENTA WITH AFIBRINOGENEMIA	ICD-10-CM
6 Pregnant female or breast-feeding	045.011	DX	PREMATURE SEPARATION OF PLACENTA WITH AFIBRINOGENEMIA, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	045.012	DX	PREMATURE SEPARATION OF PLACENTA WITH AFIBRINOGENEMIA, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	045.013	DX	PREMATURE SEPARATION OF PLACENTA WITH AFIBRINOGENEMIA, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	045.019	DX	PREMATURE SEPARATION OF PLACENTA WITH AFIBRINOGENEMIA, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	045.02	DX	PREMATURE SEPARATION OF PLACENTA WITH DISSEMINATED INTRAVASCULAR COAGULATION	ICD-10-CM
6 Pregnant female or breast-feeding	045.021	DX	PREMATURE SEPARATION OF PLACENTA WITH DISSEMINATED INTRAVASCULAR COAGULATION, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	045.022	DX	PREMATURE SEPARATION OF PLACENTA WITH DISSEMINATED INTRAVASCULAR COAGULATION, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	045.023	DX	PREMATURE SEPARATION OF PLACENTA WITH DISSEMINATED INTRAVASCULAR COAGULATION, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	045.029	DX	PREMATURE SEPARATION OF PLACENTA WITH DISSEMINATED INTRAVASCULAR COAGULATION, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	045.09	DX	PREMATURE SEPARATION OF PLACENTA WITH OTHER COAGULATION DEFECT	ICD-10-CM
6 Pregnant female or breast-feeding	045.091	DX	PREMATURE SEPARATION OF PLACENTA WITH OTHER COAGULATION DEFECT, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	045.092	DX	PREMATURE SEPARATION OF PLACENTA WITH OTHER COAGULATION DEFECT, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	045.093	DX	PREMATURE SEPARATION OF PLACENTA WITH OTHER COAGULATION DEFECT, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	045.099	DX	PREMATURE SEPARATION OF PLACENTA WITH OTHER COAGULATION DEFECT, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	045.8	DX	OTHER PREMATURE SEPARATION OF PLACENTA	ICD-10-CM
6 Pregnant female or breast-feeding	045.8X	DX	OTHER PREMATURE SEPARATION OF PLACENTA	ICD-10-CM
6 Pregnant female or breast-feeding	045.8X1	DX	OTHER PREMATURE SEPARATION OF PLACENTA, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	045.8X2	DX	OTHER PREMATURE SEPARATION OF PLACENTA, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	045.8X3	DX	OTHER PREMATURE SEPARATION OF PLACENTA, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	045.8X9	DX	OTHER PREMATURE SEPARATION OF PLACENTA, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	045.9	DX	PREMATURE SEPARATION OF PLACENTA, UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	045.90	DX	PREMATURE SEPARATION OF PLACENTA, UNSPECIFIED, UNSPECIFIED TRIMESTER	ICD-10-CM

6 Pregnant female or breast-feeding	045.91	DX	PREMATURE SEPARATION OF PLACENTA, UNSPECIFIED, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	045.92	DX	PREMATURE SEPARATION OF PLACENTA, UNSPECIFIED, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	045.93	DX	PREMATURE SEPARATION OF PLACENTA, UNSPECIFIED, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	046	DX	ANTEPARTUM HEMORRHAGE, NOT ELSEWHERE CLASSIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	046.0	DX	ANTEPARTUM HEMORRHAGE WITH COAGULATION DEFECT	ICD-10-CM
6 Pregnant female or breast-feeding	046.00	DX	ANTEPARTUM HEMORRHAGE WITH COAGULATION DEFECT, UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	046.001	DX	ANTEPARTUM HEMORRHAGE WITH COAGULATION DEFECT, UNSPECIFIED, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	046.002	DX	ANTEPARTUM HEMORRHAGE WITH COAGULATION DEFECT, UNSPECIFIED, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	046.003	DX	ANTEPARTUM HEMORRHAGE WITH COAGULATION DEFECT, UNSPECIFIED, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	046.009	DX	ANTEPARTUM HEMORRHAGE WITH COAGULATION DEFECT, UNSPECIFIED, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	046.01	DX	ANTEPARTUM HEMORRHAGE WITH AFIBRINOGENEMIA	ICD-10-CM
6 Pregnant female or breast-feeding	046.011	DX	ANTEPARTUM HEMORRHAGE WITH AFIBRINOGENEMIA, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	046.012	DX	ANTEPARTUM HEMORRHAGE WITH AFIBRINOGENEMIA, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	046.013	DX	ANTEPARTUM HEMORRHAGE WITH AFIBRINOGENEMIA, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	046.019	DX	ANTEPARTUM HEMORRHAGE WITH AFIBRINOGENEMIA, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	046.02	DX	ANTEPARTUM HEMORRHAGE WITH DISSEMINATED INTRAVASCULAR COAGULATION	ICD-10-CM
6 Pregnant female or breast-feeding	046.021	DX	ANTEPARTUM HEMORRHAGE WITH DISSEMINATED INTRAVASCULAR COAGULATION, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	046.022	DX	ANTEPARTUM HEMORRHAGE WITH DISSEMINATED INTRAVASCULAR COAGULATION, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	046.023	DX	ANTEPARTUM HEMORRHAGE WITH DISSEMINATED INTRAVASCULAR COAGULATION, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	046.029	DX	ANTEPARTUM HEMORRHAGE WITH DISSEMINATED INTRAVASCULAR COAGULATION, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	046.09	DX	ANTEPARTUM HEMORRHAGE WITH OTHER COAGULATION DEFECT	ICD-10-CM
6 Pregnant female or breast-feeding	046.091	DX	ANTEPARTUM HEMORRHAGE WITH OTHER COAGULATION DEFECT, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	046.092	DX	ANTEPARTUM HEMORRHAGE WITH OTHER COAGULATION DEFECT, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	046.093	DX	ANTEPARTUM HEMORRHAGE WITH OTHER COAGULATION DEFECT, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	046.099	DX	ANTEPARTUM HEMORRHAGE WITH OTHER COAGULATION DEFECT, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	046.8	DX	OTHER ANTEPARTUM HEMORRHAGE	ICD-10-CM
6 Pregnant female or breast-feeding	046.8X	DX	OTHER ANTEPARTUM HEMORRHAGE	ICD-10-CM
6 Pregnant female or breast-feeding	046.8X1	DX	OTHER ANTEPARTUM HEMORRHAGE, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	046.8X2	DX	OTHER ANTEPARTUM HEMORRHAGE, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	046.8X3	DX	OTHER ANTEPARTUM HEMORRHAGE, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	046.8X9	DX	OTHER ANTEPARTUM HEMORRHAGE, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	046.9	DX	ANTEPARTUM HEMORRHAGE, UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	046.90	DX	ANTEPARTUM HEMORRHAGE, UNSPECIFIED, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	046.91	DX	ANTEPARTUM HEMORRHAGE, UNSPECIFIED, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	046.92	DX	ANTEPARTUM HEMORRHAGE, UNSPECIFIED, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	046.93	DX	ANTEPARTUM HEMORRHAGE, UNSPECIFIED, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	047	DX	FALSE LABOR	ICD-10-CM
6 Pregnant female or breast-feeding	047.0	DX	FALSE LABOR BEFORE 37 COMPLETED WEEKS OF GESTATION	ICD-10-CM
6 Pregnant female or breast-feeding	047.00	DX	FALSE LABOR BEFORE 37 COMPLETED WEEKS OF GESTATION, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	047.02	DX	FALSE LABOR BEFORE 37 COMPLETED WEEKS OF GESTATION, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	047.03	DX	FALSE LABOR BEFORE 37 COMPLETED WEEKS OF GESTATION, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	047.1	DX	FALSE LABOR AT OR AFTER 37 COMPLETED WEEKS OF GESTATION	ICD-10-CM
6 Pregnant female or breast-feeding	047.9	DX	FALSE LABOR, UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	048	DX	LATE PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	048.0	DX	POST-TERM PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	048.1	DX	PROLONGED PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	060.0	DX	PRETERM LABOR WITHOUT DELIVERY	ICD-10-CM
6 Pregnant female or breast-feeding	060.00	DX	PRETERM LABOR WITHOUT DELIVERY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	060.02	DX	PRETERM LABOR WITHOUT DELIVERY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	060.03	DX	PRETERM LABOR WITHOUT DELIVERY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	060.1	DX	PRETERM LABOR WITH PRETERM DELIVERY	ICD-10-CM
6 Pregnant female or breast-feeding	060.10	DX	PRETERM LABOR WITH PRETERM DELIVERY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	060.10X	DX	PRETERM LABOR WITH PRETERM DELIVERY, UNSPECIFIED TRIMESTER	ICD-10-CM

6 Pregnant female or breast-feeding	060.10X0	DX	PRETERM LABOR WITH PRETERM DELIVERY, UNSPECIFIED TRIMESTER, NOT APPLICABLE OR UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	060.10X1	DX	PRETERM LABOR WITH PRETERM DELIVERY, UNSPECIFIED TRIMESTER, FETUS 1	ICD-10-CM
6 Pregnant female or breast-feeding	060.10X2	DX	PRETERM LABOR WITH PRETERM DELIVERY, UNSPECIFIED TRIMESTER, FETUS 2	ICD-10-CM
6 Pregnant female or breast-feeding	060.10X3	DX	PRETERM LABOR WITH PRETERM DELIVERY, UNSPECIFIED TRIMESTER, FETUS 3	ICD-10-CM
6 Pregnant female or breast-feeding	060.10X4	DX	PRETERM LABOR WITH PRETERM DELIVERY, UNSPECIFIED TRIMESTER, FETUS 4	ICD-10-CM
6 Pregnant female or breast-feeding	060.10X5	DX	PRETERM LABOR WITH PRETERM DELIVERY, UNSPECIFIED TRIMESTER, FETUS 5	ICD-10-CM
6 Pregnant female or breast-feeding	060.10X9	DX	PRETERM LABOR WITH PRETERM DELIVERY, UNSPECIFIED TRIMESTER, OTHER FETUS	ICD-10-CM
6 Pregnant female or breast-feeding	060.12	DX	PRETERM LABOR SECOND TRIMESTER WITH PRETERM DELIVERY SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	060.12X	DX		ICD-10-CM
6 Pregnant female or breast-feeding	060.12X0	DX	PRETERM LABOR SECOND TRIMESTER WITH PRETERM DELIVERY SECOND TRIMESTER, NOT APPLICABLE OR UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	060.12X1	DX	PRETERM LABOR SECOND TRIMESTER WITH PRETERM DELIVERY SECOND TRIMESTER, FETUS 1	ICD-10-CM
6 Pregnant female or breast-feeding	060.12X2	DX	PRETERM LABOR SECOND TRIMESTER WITH PRETERM DELIVERY SECOND TRIMESTER, FETUS 2	ICD-10-CM
6 Pregnant female or breast-feeding	060.12X3	DX	PRETERM LABOR SECOND TRIMESTER WITH PRETERM DELIVERY SECOND TRIMESTER, FETUS 3	ICD-10-CM
6 Pregnant female or breast-feeding	060.12X4	DX	PRETERM LABOR SECOND TRIMESTER WITH PRETERM DELIVERY SECOND TRIMESTER, FETUS 4	ICD-10-CM
6 Pregnant female or breast-feeding	060.12X5	DX	PRETERM LABOR SECOND TRIMESTER WITH PRETERM DELIVERY SECOND TRIMESTER, FETUS 5	ICD-10-CM
6 Pregnant female or breast-feeding	060.12X9	DX	PRETERM LABOR SECOND TRIMESTER WITH PRETERM DELIVERY SECOND TRIMESTER, OTHER FETUS	ICD-10-CM
6 Pregnant female or breast-feeding	060.13	DX	PRETERM LABOR SECOND TRIMESTER WITH PRETERM DELIVERY THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	060.13X	DX		ICD-10-CM
6 Pregnant female or breast-feeding	060.13X0	DX	PRETERM LABOR SECOND TRIMESTER WITH PRETERM DELIVERY THIRD TRIMESTER, NOT APPLICABLE OR UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	060.13X1	DX	PRETERM LABOR SECOND TRIMESTER WITH PRETERM DELIVERY THIRD TRIMESTER, FETUS 1	ICD-10-CM
6 Pregnant female or breast-feeding	060.13X2	DX	PRETERM LABOR SECOND TRIMESTER WITH PRETERM DELIVERY THIRD TRIMESTER, FETUS 2	ICD-10-CM
6 Pregnant female or breast-feeding	060.13X3	DX	PRETERM LABOR SECOND TRIMESTER WITH PRETERM DELIVERY THIRD TRIMESTER, FETUS 3	ICD-10-CM
6 Pregnant female or breast-feeding	060.13X4	DX	PRETERM LABOR SECOND TRIMESTER WITH PRETERM DELIVERY THIRD TRIMESTER, FETUS 4	ICD-10-CM
6 Pregnant female or breast-feeding	060.13X5	DX	PRETERM LABOR SECOND TRIMESTER WITH PRETERM DELIVERY THIRD TRIMESTER, FETUS 5	ICD-10-CM
6 Pregnant female or breast-feeding	060.13X9	DX	PRETERM LABOR SECOND TRIMESTER WITH PRETERM DELIVERY THIRD TRIMESTER, OTHER FETUS	ICD-10-CM
6 Pregnant female or breast-feeding	060.14	DX	PRETERM LABOR THIRD TRIMESTER WITH PRETERM DELIVERY THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	060.14X	DX		ICD-10-CM
6 Pregnant female or breast-feeding	060.14X0	DX	PRETERM LABOR THIRD TRIMESTER WITH PRETERM DELIVERY THIRD TRIMESTER, NOT APPLICABLE OR UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	060.14X1	DX	PRETERM LABOR THIRD TRIMESTER WITH PRETERM DELIVERY THIRD TRIMESTER, FETUS 1	ICD-10-CM
6 Pregnant female or breast-feeding	060.14X2	DX	PRETERM LABOR THIRD TRIMESTER WITH PRETERM DELIVERY THIRD TRIMESTER, FETUS 2	ICD-10-CM
6 Pregnant female or breast-feeding	060.14X3	DX	PRETERM LABOR THIRD TRIMESTER WITH PRETERM DELIVERY THIRD TRIMESTER, FETUS 3	ICD-10-CM
6 Pregnant female or breast-feeding	060.14X4	DX	PRETERM LABOR THIRD TRIMESTER WITH PRETERM DELIVERY THIRD TRIMESTER, FETUS 4	ICD-10-CM
6 Pregnant female or breast-feeding	060.14X5	DX	PRETERM LABOR THIRD TRIMESTER WITH PRETERM DELIVERY THIRD TRIMESTER, FETUS 5	ICD-10-CM
6 Pregnant female or breast-feeding	060.14X9	DX	PRETERM LABOR THIRD TRIMESTER WITH PRETERM DELIVERY THIRD TRIMESTER, OTHER FETUS	ICD-10-CM
6 Pregnant female or breast-feeding	061	DX	FAILED INDUCTION OF LABOR	ICD-10-CM
6 Pregnant female or breast-feeding	061.0	DX	FAILED MEDICAL INDUCTION OF LABOR	ICD-10-CM
6 Pregnant female or breast-feeding	061.1	DX	FAILED INSTRUMENTAL INDUCTION OF LABOR	ICD-10-CM
6 Pregnant female or breast-feeding	061.8	DX	OTHER FAILED INDUCTION OF LABOR	ICD-10-CM
6 Pregnant female or breast-feeding	061.9	DX	FAILED INDUCTION OF LABOR, UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	063.2	DX	DELAYED DELIVERY OF SECOND TWIN, TRIPLET, ETC.	ICD-10-CM
6 Pregnant female or breast-feeding	071.0	DX	RUPTURE OF UTERUS (SPONTANEOUS) BEFORE ONSET OF LABOR	ICD-10-CM
6 Pregnant female or breast-feeding	071.00	DX	RUPTURE OF UTERUS BEFORE ONSET OF LABOR, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	071.02	DX	RUPTURE OF UTERUS BEFORE ONSET OF LABOR, SECOND TRIMESTER	ICD-10-CM

6 Pregnant female or breast-feeding	071.03	DX	RUPTURE OF UTERUS BEFORE ONSET OF LABOR, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	072	DX	POSTPARTUM HEMORRHAGE	ICD-10-CM
6 Pregnant female or breast-feeding	072.0	DX	THIRD-STAGE HEMORRHAGE	ICD-10-CM
6 Pregnant female or breast-feeding	072.1	DX	OTHER IMMEDIATE POSTPARTUM HEMORRHAGE	ICD-10-CM
6 Pregnant female or breast-feeding	072.2	DX	DELAYED AND SECONDARY POSTPARTUM HEMORRHAGE	ICD-10-CM
6 Pregnant female or breast-feeding	072.3	DX	POSTPARTUM COAGULATION DEFECTS	ICD-10-CM
6 Pregnant female or breast-feeding	073	DX	RETAINED PLACENTA AND MEMBRANES, WITHOUT HEMORRHAGE	ICD-10-CM
6 Pregnant female or breast-feeding	073.0	DX	RETAINED PLACENTA WITHOUT HEMORRHAGE	ICD-10-CM
6 Pregnant female or breast-feeding	073.1	DX	RETAINED PORTIONS OF PLACENTA AND MEMBRANES, WITHOUT HEMORRHAGE	ICD-10-CM
6 Pregnant female or breast-feeding	075	DX	OTHER COMPLICATIONS OF LABOR AND DELIVERY, NOT ELSEWHERE CLASSIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	075.0	DX	MATERNAL DISTRESS DURING LABOR AND DELIVERY	ICD-10-CM
6 Pregnant female or breast-feeding	075.1	DX	SHOCK DURING OR FOLLOWING LABOR AND DELIVERY	ICD-10-CM
6 Pregnant female or breast-feeding	075.2	DX	PYREXIA DURING LABOR, NOT ELSEWHERE CLASSIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	075.3	DX	OTHER INFECTION DURING LABOR	ICD-10-CM
6 Pregnant female or breast-feeding	075.4	DX	OTHER COMPLICATIONS OF OBSTETRIC SURGERY AND PROCEDURES	ICD-10-CM
6 Pregnant female or breast-feeding	075.5	DX	DELAYED DELIVERY AFTER ARTIFICIAL RUPTURE OF MEMBRANES	ICD-10-CM
6 Pregnant female or breast-feeding	075.8	DX	OTHER SPECIFIED COMPLICATIONS OF LABOR AND DELIVERY	ICD-10-CM
6 Pregnant female or breast-feeding	075.81	DX	MATERNAL EXHAUSTION COMPLICATING LABOR AND DELIVERY	ICD-10-CM
6 Pregnant female or breast-feeding	075.82	DX	ONSET (SPONTANEOUS) OF LABOR AFTER 37 COMPLETED WEEKS OF GESTATION BUT BEFORE 39 COMPLETED WEEKS GESTATION, WITH DELIVERY BY (PLANNED) CESAREAN SECTION	ICD-10-CM
6 Pregnant female or breast-feeding	075.89	DX	OTHER SPECIFIED COMPLICATIONS OF LABOR AND DELIVERY	ICD-10-CM
6 Pregnant female or breast-feeding	075.9	DX	COMPLICATION OF LABOR AND DELIVERY, UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	094	DX	SEQUELAE OF COMPLICATION OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	098	DX	MATERNAL INFECTIOUS AND PARASITIC DISEASES CLASSIFIABLE ELSEWHERE BUT COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	098.0	DX	TUBERCULOSIS COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	098.01	DX	TUBERCULOSIS COMPLICATING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	098.011	DX	TUBERCULOSIS COMPLICATING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.012	DX	TUBERCULOSIS COMPLICATING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.013	DX	TUBERCULOSIS COMPLICATING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.019	DX	TUBERCULOSIS COMPLICATING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.02	DX	TUBERCULOSIS COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	098.03	DX	TUBERCULOSIS COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	098.1	DX	SYPHILIS COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	098.11	DX	SYPHILIS COMPLICATING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	098.111	DX	SYPHILIS COMPLICATING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.112	DX	SYPHILIS COMPLICATING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.113	DX	SYPHILIS COMPLICATING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.119	DX	SYPHILIS COMPLICATING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.12	DX	SYPHILIS COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	098.13	DX	SYPHILIS COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	098.2	DX	GONORRHEA COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	098.21	DX	GONORRHEA COMPLICATING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	098.211	DX	GONORRHEA COMPLICATING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.212	DX	GONORRHEA COMPLICATING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.213	DX	GONORRHEA COMPLICATING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.219	DX	GONORRHEA COMPLICATING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.22	DX	GONORRHEA COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	098.23	DX	GONORRHEA COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	098.3	DX	OTHER INFECTIONS WITH A PREDOMINANTLY SEXUAL MODE OF TRANSMISSION COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	098.31	DX	OTHER INFECTIONS WITH A PREDOMINANTLY SEXUAL MODE OF TRANSMISSION COMPLICATING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	098.311	DX	OTHER INFECTIONS WITH A PREDOMINANTLY SEXUAL MODE OF TRANSMISSION COMPLICATING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.312	DX	OTHER INFECTIONS WITH A PREDOMINANTLY SEXUAL MODE OF TRANSMISSION COMPLICATING PREGNANCY, SECOND TRIMESTER	ICD-10-CM

6 Pregnant female or breast-feeding	098.313	DX	OTHER INFECTIONS WITH A PREDOMINANTLY SEXUAL MODE OF TRANSMISSION COMPLICATING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.319	DX	OTHER INFECTIONS WITH A PREDOMINANTLY SEXUAL MODE OF TRANSMISSION COMPLICATING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.32	DX	OTHER INFECTIONS WITH A PREDOMINANTLY SEXUAL MODE OF TRANSMISSION COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	098.33	DX	OTHER INFECTIONS WITH A PREDOMINANTLY SEXUAL MODE OF TRANSMISSION COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	098.4	DX	VIRAL HEPATITIS COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	098.41	DX	VIRAL HEPATITIS COMPLICATING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	098.411	DX	VIRAL HEPATITIS COMPLICATING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.412	DX	VIRAL HEPATITIS COMPLICATING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.413	DX	VIRAL HEPATITIS COMPLICATING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.419	DX	VIRAL HEPATITIS COMPLICATING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.42	DX	VIRAL HEPATITIS COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	098.43	DX	VIRAL HEPATITIS COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	098.5	DX	OTHER VIRAL DISEASES COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	098.51	DX	OTHER VIRAL DISEASES COMPLICATING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	098.511	DX	OTHER VIRAL DISEASES COMPLICATING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.512	DX	OTHER VIRAL DISEASES COMPLICATING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.513	DX	OTHER VIRAL DISEASES COMPLICATING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.519	DX	OTHER VIRAL DISEASES COMPLICATING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.52	DX	OTHER VIRAL DISEASES COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	098.53	DX	OTHER VIRAL DISEASES COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	098.6	DX	PROTOZOAL DISEASES COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	098.61	DX	PROTOZOAL DISEASES COMPLICATING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	098.611	DX	PROTOZOAL DISEASES COMPLICATING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.612	DX	PROTOZOAL DISEASES COMPLICATING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.613	DX	PROTOZOAL DISEASES COMPLICATING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.619	DX	PROTOZOAL DISEASES COMPLICATING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.62	DX	PROTOZOAL DISEASES COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	098.63	DX	PROTOZOAL DISEASES COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	098.7	DX	HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	098.71	DX	HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE COMPLICATING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	098.711	DX	HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE COMPLICATING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.712	DX	HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE COMPLICATING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.713	DX	HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE COMPLICATING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.719	DX	HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE COMPLICATING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.72	DX	HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	098.73	DX	HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	098.8	DX	OTHER MATERNAL INFECTIOUS AND PARASITIC DISEASES COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	098.81	DX	OTHER MATERNAL INFECTIOUS AND PARASITIC DISEASES COMPLICATING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	098.811	DX	OTHER MATERNAL INFECTIOUS AND PARASITIC DISEASES COMPLICATING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.812	DX	OTHER MATERNAL INFECTIOUS AND PARASITIC DISEASES COMPLICATING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.813	DX	OTHER MATERNAL INFECTIOUS AND PARASITIC DISEASES COMPLICATING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.819	DX	OTHER MATERNAL INFECTIOUS AND PARASITIC DISEASES COMPLICATING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.82	DX	OTHER MATERNAL INFECTIOUS AND PARASITIC DISEASES COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	098.83	DX	OTHER MATERNAL INFECTIOUS AND PARASITIC DISEASES COMPLICATING THE PUERPERIUM	ICD-10-CM

6 Pregnant female or breast-feeding	098.9	DX	UNSPECIFIED MATERNAL INFECTIOUS AND PARASITIC DISEASE COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	098.91	DX	UNSPECIFIED MATERNAL INFECTIOUS AND PARASITIC DISEASE COMPLICATING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	098.911	DX	UNSPECIFIED MATERNAL INFECTIOUS AND PARASITIC DISEASE COMPLICATING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.912	DX	UNSPECIFIED MATERNAL INFECTIOUS AND PARASITIC DISEASE COMPLICATING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.913	DX	UNSPECIFIED MATERNAL INFECTIOUS AND PARASITIC DISEASE COMPLICATING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.919	DX	UNSPECIFIED MATERNAL INFECTIOUS AND PARASITIC DISEASE COMPLICATING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	098.92	DX	UNSPECIFIED MATERNAL INFECTIOUS AND PARASITIC DISEASE COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	098.93	DX	UNSPECIFIED MATERNAL INFECTIOUS AND PARASITIC DISEASE COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099	DX	OTHER MATERNAL DISEASES CLASSIFIABLE ELSEWHERE BUT COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.0	DX	ANEMIA COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.01	DX	ANEMIA COMPLICATING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	099.011	DX	ANEMIA COMPLICATING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.012	DX	ANEMIA COMPLICATING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.013	DX	ANEMIA COMPLICATING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.019	DX	ANEMIA COMPLICATING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.02	DX	ANEMIA COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	099.03	DX	ANEMIA COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.1	DX	OTHER DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.11	DX	OTHER DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM COMPLICATING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	099.111	DX	OTHER DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM COMPLICATING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.112	DX	OTHER DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM COMPLICATING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.113	DX	OTHER DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM COMPLICATING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.119	DX	OTHER DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM COMPLICATING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.12	DX	OTHER DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	099.13	DX	OTHER DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.2	DX	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.21	DX	OBESITY COMPLICATING PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.210	DX	OBESITY COMPLICATING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.211	DX	OBESITY COMPLICATING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.212	DX	OBESITY COMPLICATING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.213	DX	OBESITY COMPLICATING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.214	DX	OBESITY COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	099.215	DX	OBESITY COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.28	DX	OTHER ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.280	DX	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES COMPLICATING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.281	DX	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES COMPLICATING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.282	DX	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES COMPLICATING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.283	DX	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES COMPLICATING PREGNANCY, THIRD TRIMESTER	ICD-10-CM

6 Pregnant female or breast-feeding	099.284	DX	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	099.285	DX	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.3	DX	MENTAL DISORDERS AND DISEASES OF THE NERVOUS SYSTEM COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.31	DX	ALCOHOL USE COMPLICATING PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.310	DX	ALCOHOL USE COMPLICATING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.311	DX	ALCOHOL USE COMPLICATING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.312	DX	ALCOHOL USE COMPLICATING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.313	DX	ALCOHOL USE COMPLICATING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.314	DX	ALCOHOL USE COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	099.315	DX	ALCOHOL USE COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.32	DX	DRUG USE COMPLICATING PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.320	DX	DRUG USE COMPLICATING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.321	DX	DRUG USE COMPLICATING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.322	DX	DRUG USE COMPLICATING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.323	DX	DRUG USE COMPLICATING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.324	DX	DRUG USE COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	099.325	DX	DRUG USE COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.33	DX	TOBACCO USE DISORDER COMPLICATING PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.330	DX	SMOKING (TOBACCO) COMPLICATING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.331	DX	SMOKING (TOBACCO) COMPLICATING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.332	DX	SMOKING (TOBACCO) COMPLICATING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.333	DX	SMOKING (TOBACCO) COMPLICATING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.334	DX	SMOKING (TOBACCO) COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	099.335	DX	SMOKING (TOBACCO) COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.34	DX	OTHER MENTAL DISORDERS COMPLICATING PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.340	DX	OTHER MENTAL DISORDERS COMPLICATING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.341	DX	OTHER MENTAL DISORDERS COMPLICATING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.342	DX	OTHER MENTAL DISORDERS COMPLICATING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.343	DX	OTHER MENTAL DISORDERS COMPLICATING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.344	DX	OTHER MENTAL DISORDERS COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	099.345	DX	OTHER MENTAL DISORDERS COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.35	DX	DISEASES OF THE NERVOUS SYSTEM COMPLICATING PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.350	DX	DISEASES OF THE NERVOUS SYSTEM COMPLICATING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.351	DX	DISEASES OF THE NERVOUS SYSTEM COMPLICATING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.352	DX	DISEASES OF THE NERVOUS SYSTEM COMPLICATING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.353	DX	DISEASES OF THE NERVOUS SYSTEM COMPLICATING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.354	DX	DISEASES OF THE NERVOUS SYSTEM COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	099.355	DX	DISEASES OF THE NERVOUS SYSTEM COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.4	DX	DISEASES OF THE CIRCULATORY SYSTEM COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.41	DX	DISEASES OF THE CIRCULATORY SYSTEM COMPLICATING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	099.411	DX	DISEASES OF THE CIRCULATORY SYSTEM COMPLICATING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.412	DX	DISEASES OF THE CIRCULATORY SYSTEM COMPLICATING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.413	DX	DISEASES OF THE CIRCULATORY SYSTEM COMPLICATING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.419	DX	DISEASES OF THE CIRCULATORY SYSTEM COMPLICATING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.42	DX	DISEASES OF THE CIRCULATORY SYSTEM COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	099.43	DX	DISEASES OF THE CIRCULATORY SYSTEM COMPLICATING THE PUERPERIUM	ICD-10-CM

6 Pregnant female or breast-feeding	099.5	DX	DISEASES OF THE RESPIRATORY SYSTEM COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.51	DX	DISEASES OF THE RESPIRATORY SYSTEM COMPLICATING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	099.511	DX	DISEASES OF THE RESPIRATORY SYSTEM COMPLICATING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.512	DX	DISEASES OF THE RESPIRATORY SYSTEM COMPLICATING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.513	DX	DISEASES OF THE RESPIRATORY SYSTEM COMPLICATING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.519	DX	DISEASES OF THE RESPIRATORY SYSTEM COMPLICATING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.52	DX	DISEASES OF THE RESPIRATORY SYSTEM COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	099.53	DX	DISEASES OF THE RESPIRATORY SYSTEM COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.6	DX	DISEASES OF THE DIGESTIVE SYSTEM COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.61	DX	DISEASES OF THE DIGESTIVE SYSTEM COMPLICATING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	099.611	DX	DISEASES OF THE DIGESTIVE SYSTEM COMPLICATING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.612	DX	DISEASES OF THE DIGESTIVE SYSTEM COMPLICATING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.613	DX	DISEASES OF THE DIGESTIVE SYSTEM COMPLICATING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.619	DX	DISEASES OF THE DIGESTIVE SYSTEM COMPLICATING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.62	DX	DISEASES OF THE DIGESTIVE SYSTEM COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	099.63	DX	DISEASES OF THE DIGESTIVE SYSTEM COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.7	DX	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.71	DX	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE COMPLICATING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	099.711	DX	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE COMPLICATING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.712	DX	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE COMPLICATING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.713	DX	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE COMPLICATING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.719	DX	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE COMPLICATING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.72	DX	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	099.73	DX	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.8	DX	OTHER SPECIFIED DISEASES AND CONDITIONS COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.81	DX	ABNORMAL GLUCOSE COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.810	DX	ABNORMAL GLUCOSE COMPLICATING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	099.814	DX	ABNORMAL GLUCOSE COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	099.815	DX	ABNORMAL GLUCOSE COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.82	DX	STREPTOCOCCUS B CARRIER STATE COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.820	DX	STREPTOCOCCUS B CARRIER STATE COMPLICATING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	099.824	DX	STREPTOCOCCUS B CARRIER STATE COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	099.825	DX	STREPTOCOCCUS B CARRIER STATE COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.83	DX	OTHER INFECTION CARRIER STATE COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.830	DX	OTHER INFECTION CARRIER STATE COMPLICATING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	099.834	DX	OTHER INFECTION CARRIER STATE COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	099.835	DX	OTHER INFECTION CARRIER STATE COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.84	DX	BARITRIC SURGERY STATUS COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.840	DX	BARITRIC SURGERY STATUS COMPLICATING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.841	DX	BARITRIC SURGERY STATUS COMPLICATING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.842	DX	BARITRIC SURGERY STATUS COMPLICATING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	099.843	DX	BARITRIC SURGERY STATUS COMPLICATING PREGNANCY, THIRD TRIMESTER	ICD-10-CM

6 Pregnant female or breast-feeding	099.844	DX	BARIATRIC SURGERY STATUS COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	099.845	DX	BARIATRIC SURGERY STATUS COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	099.89	DX	OTHER SPECIFIED DISEASES AND CONDITIONS COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	09A	DX	MATERNAL MALIGNANT NEOPLASMS, TRAUMATIC INJURIES AND ABUSE CLASSIFIABLE ELSEWHERE BUT COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	09A.1	DX	MALIGNANT NEOPLASM COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	09A.11	DX	MALIGNANT NEOPLASM COMPLICATING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	09A.111	DX	MALIGNANT NEOPLASM COMPLICATING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	09A.112	DX	MALIGNANT NEOPLASM COMPLICATING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	09A.113	DX	MALIGNANT NEOPLASM COMPLICATING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	09A.119	DX	MALIGNANT NEOPLASM COMPLICATING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	09A.12	DX	MALIGNANT NEOPLASM COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	09A.13	DX	MALIGNANT NEOPLASM COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	09A.2	DX	INJURY, POISONING AND CERTAIN OTHER CONSEQUENCES OF EXTERNAL CAUSES COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	09A.21	DX	INJURY, POISONING AND CERTAIN OTHER CONSEQUENCES OF EXTERNAL CAUSES COMPLICATING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	09A.211	DX	INJURY, POISONING AND CERTAIN OTHER CONSEQUENCES OF EXTERNAL CAUSES COMPLICATING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	09A.212	DX	INJURY, POISONING AND CERTAIN OTHER CONSEQUENCES OF EXTERNAL CAUSES COMPLICATING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	09A.213	DX	INJURY, POISONING AND CERTAIN OTHER CONSEQUENCES OF EXTERNAL CAUSES COMPLICATING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	09A.219	DX	INJURY, POISONING AND CERTAIN OTHER CONSEQUENCES OF EXTERNAL CAUSES COMPLICATING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	09A.22	DX	INJURY, POISONING AND CERTAIN OTHER CONSEQUENCES OF EXTERNAL CAUSES COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	09A.23	DX	INJURY, POISONING AND CERTAIN OTHER CONSEQUENCES OF EXTERNAL CAUSES COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	09A.3	DX	PHYSICAL ABUSE COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	09A.31	DX	PHYSICAL ABUSE COMPLICATING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	09A.311	DX	PHYSICAL ABUSE COMPLICATING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	09A.312	DX	PHYSICAL ABUSE COMPLICATING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	09A.313	DX	PHYSICAL ABUSE COMPLICATING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	09A.319	DX	PHYSICAL ABUSE COMPLICATING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	09A.32	DX	PHYSICAL ABUSE COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	09A.33	DX	PHYSICAL ABUSE COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	09A.4	DX	SEXUAL ABUSE COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	09A.41	DX	SEXUAL ABUSE COMPLICATING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	09A.411	DX	SEXUAL ABUSE COMPLICATING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	09A.412	DX	SEXUAL ABUSE COMPLICATING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	09A.413	DX	SEXUAL ABUSE COMPLICATING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	09A.419	DX	SEXUAL ABUSE COMPLICATING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	09A.42	DX	SEXUAL ABUSE COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	09A.43	DX	SEXUAL ABUSE COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	09A.5	DX	PSYCHOLOGICAL ABUSE COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	09A.51	DX	PSYCHOLOGICAL ABUSE COMPLICATING PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	09A.511	DX	PSYCHOLOGICAL ABUSE COMPLICATING PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	09A.512	DX	PSYCHOLOGICAL ABUSE COMPLICATING PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	09A.513	DX	PSYCHOLOGICAL ABUSE COMPLICATING PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	09A.519	DX	PSYCHOLOGICAL ABUSE COMPLICATING PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	09A.52	DX	PSYCHOLOGICAL ABUSE COMPLICATING CHILDBIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	09A.53	DX	PSYCHOLOGICAL ABUSE COMPLICATING THE PUERPERIUM	ICD-10-CM
6 Pregnant female or breast-feeding	P01.5	DX	NEWBORN AFFECTED BY MULTIPLE PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	P05.01	DX	NEWBORN LIGHT FOR GESTATIONAL AGE, LESS THAN 500 GRAMS	ICD-10-CM

6 Pregnant female or breast-feeding	P05.02	DX	NEWBORN LIGHT FOR GESTATIONAL AGE, 500-749 GRAMS	ICD-10-CM
6 Pregnant female or breast-feeding	P05.03	DX	NEWBORN LIGHT FOR GESTATIONAL AGE, 750-999 GRAMS	ICD-10-CM
6 Pregnant female or breast-feeding	P05.04	DX	NEWBORN LIGHT FOR GESTATIONAL AGE, 1000-1249 GRAMS	ICD-10-CM
6 Pregnant female or breast-feeding	P05.05	DX	NEWBORN LIGHT FOR GESTATIONAL AGE, 1250-1499 GRAMS	ICD-10-CM
6 Pregnant female or breast-feeding	P05.06	DX	NEWBORN LIGHT FOR GESTATIONAL AGE, 1500-1749 GRAMS	ICD-10-CM
6 Pregnant female or breast-feeding	P05.11	DX	NEWBORN SMALL FOR GESTATIONAL AGE, LESS THAN 500 GRAMS	ICD-10-CM
6 Pregnant female or breast-feeding	P05.12	DX	NEWBORN SMALL FOR GESTATIONAL AGE, 500-749 GRAMS	ICD-10-CM
6 Pregnant female or breast-feeding	P05.13	DX	NEWBORN SMALL FOR GESTATIONAL AGE, 750-999 GRAMS	ICD-10-CM
6 Pregnant female or breast-feeding	P05.14	DX	NEWBORN SMALL FOR GESTATIONAL AGE, 1000-1249 GRAMS	ICD-10-CM
6 Pregnant female or breast-feeding	P05.15	DX	NEWBORN SMALL FOR GESTATIONAL AGE, 1250-1499 GRAMS	ICD-10-CM
6 Pregnant female or breast-feeding	P05.16	DX	NEWBORN SMALL FOR GESTATIONAL AGE, 1500-1749 GRAMS	ICD-10-CM
6 Pregnant female or breast-feeding	P07.01	DX	EXTREMELY LOW BIRTH WEIGHT NEWBORN, LESS THAN 500 GRAMS	ICD-10-CM
6 Pregnant female or breast-feeding	P07.02	DX	EXTREMELY LOW BIRTH WEIGHT NEWBORN, 500-749 GRAMS	ICD-10-CM
6 Pregnant female or breast-feeding	P07.03	DX	EXTREMELY LOW BIRTH WEIGHT NEWBORN, 750-999 GRAMS	ICD-10-CM
6 Pregnant female or breast-feeding	P07.14	DX	OTHER LOW BIRTH WEIGHT NEWBORN, 1000-1249 GRAMS	ICD-10-CM
6 Pregnant female or breast-feeding	P07.15	DX	OTHER LOW BIRTH WEIGHT NEWBORN, 1250-1499 GRAMS	ICD-10-CM
6 Pregnant female or breast-feeding	P07.16	DX	OTHER LOW BIRTH WEIGHT NEWBORN, 1500-1749 GRAMS	ICD-10-CM
6 Pregnant female or breast-feeding	P07.2	DX	EXTREME IMMATUREITY OF NEWBORN	ICD-10-CM
6 Pregnant female or breast-feeding	P07.20	DX	EXTREME IMMATUREITY OF NEWBORN, UNSPECIFIED WEEKS OF GESTATION	ICD-10-CM
6 Pregnant female or breast-feeding	P07.21	DX	EXTREME IMMATUREITY OF NEWBORN, GESTATIONAL AGE LESS THAN 23 COMPLETED WEEKS	ICD-10-CM
6 Pregnant female or breast-feeding	P07.22	DX	EXTREME IMMATUREITY OF NEWBORN, GESTATIONAL AGE 23 COMPLETED WEEKS	ICD-10-CM
6 Pregnant female or breast-feeding	P07.23	DX	EXTREME IMMATUREITY OF NEWBORN, GESTATIONAL AGE 24 COMPLETED WEEKS	ICD-10-CM
6 Pregnant female or breast-feeding	P07.24	DX	EXTREME IMMATUREITY OF NEWBORN, GESTATIONAL AGE 25 COMPLETED WEEKS	ICD-10-CM
6 Pregnant female or breast-feeding	P07.25	DX	EXTREME IMMATUREITY OF NEWBORN, GESTATIONAL AGE 26 COMPLETED WEEKS	ICD-10-CM
6 Pregnant female or breast-feeding	P07.26	DX	EXTREME IMMATUREITY OF NEWBORN, GESTATIONAL AGE 27 COMPLETED WEEKS	ICD-10-CM
6 Pregnant female or breast-feeding	P07.3	DX	PRETERM [PREMATURE] NEWBORN [OTHER]	ICD-10-CM
6 Pregnant female or breast-feeding	P07.30	DX	PRETERM NEWBORN, UNSPECIFIED WEEKS OF GESTATION	ICD-10-CM
6 Pregnant female or breast-feeding	P07.31	DX	PRETERM NEWBORN, GESTATIONAL AGE 28 COMPLETED WEEKS	ICD-10-CM
6 Pregnant female or breast-feeding	P07.32	DX	PRETERM NEWBORN, GESTATIONAL AGE 29 COMPLETED WEEKS	ICD-10-CM
6 Pregnant female or breast-feeding	P07.33	DX	PRETERM NEWBORN, GESTATIONAL AGE 30 COMPLETED WEEKS	ICD-10-CM
6 Pregnant female or breast-feeding	P07.34	DX	PRETERM NEWBORN, GESTATIONAL AGE 31 COMPLETED WEEKS	ICD-10-CM
6 Pregnant female or breast-feeding	P07.35	DX	PRETERM NEWBORN, GESTATIONAL AGE 32 COMPLETED WEEKS	ICD-10-CM
6 Pregnant female or breast-feeding	P07.36	DX	PRETERM NEWBORN, GESTATIONAL AGE 33 COMPLETED WEEKS	ICD-10-CM
6 Pregnant female or breast-feeding	P07.37	DX	PRETERM NEWBORN, GESTATIONAL AGE 34 COMPLETED WEEKS	ICD-10-CM
6 Pregnant female or breast-feeding	P07.38	DX	PRETERM NEWBORN, GESTATIONAL AGE 35 COMPLETED WEEKS	ICD-10-CM
6 Pregnant female or breast-feeding	P07.39	DX	PRETERM NEWBORN, GESTATIONAL AGE 36 COMPLETED WEEKS	ICD-10-CM
6 Pregnant female or breast-feeding	P08.2	DX	LATE NEWBORN, NOT HEAVY FOR GESTATIONAL AGE	ICD-10-CM
6 Pregnant female or breast-feeding	P08.21	DX	POST-TERM NEWBORN	ICD-10-CM
6 Pregnant female or breast-feeding	P08.22	DX	PROLONGED GESTATION OF NEWBORN	ICD-10-CM
6 Pregnant female or breast-feeding	P61.2	DX	ANEMIA OF PREMATURITY	ICD-10-CM
6 Pregnant female or breast-feeding	Z32.01	DX	ENCOUNTER FOR PREGNANCY TEST, RESULT POSITIVE	ICD-10-CM
6 Pregnant female or breast-feeding	Z33	DX	PREGNANT STATE	ICD-10-CM
6 Pregnant female or breast-feeding	Z33.1	DX	PREGNANT STATE, INCIDENTAL	ICD-10-CM
6 Pregnant female or breast-feeding	Z33.2	DX	ENCOUNTER FOR ELECTIVE TERMINATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	Z33.3	DX	PREGNANT STATE, GESTATIONAL CARRIER	ICD-10-CM
6 Pregnant female or breast-feeding	Z34	DX	ENCOUNTER FOR SUPERVISION OF NORMAL PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	Z34.0	DX	ENCOUNTER FOR SUPERVISION OF NORMAL FIRST PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	Z34.00	DX	ENCOUNTER FOR SUPERVISION OF NORMAL FIRST PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	Z34.01	DX	ENCOUNTER FOR SUPERVISION OF NORMAL FIRST PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	Z34.02	DX	ENCOUNTER FOR SUPERVISION OF NORMAL FIRST PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	Z34.03	DX	ENCOUNTER FOR SUPERVISION OF NORMAL FIRST PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	Z34.8	DX	ENCOUNTER FOR SUPERVISION OF OTHER NORMAL PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	Z34.80	DX	ENCOUNTER FOR SUPERVISION OF OTHER NORMAL PREGNANCY, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	Z34.81	DX	ENCOUNTER FOR SUPERVISION OF OTHER NORMAL PREGNANCY, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	Z34.82	DX	ENCOUNTER FOR SUPERVISION OF OTHER NORMAL PREGNANCY, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	Z34.83	DX	ENCOUNTER FOR SUPERVISION OF OTHER NORMAL PREGNANCY, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	Z34.9	DX	ENCOUNTER FOR SUPERVISION OF NORMAL PREGNANCY, UNSPECIFIED	ICD-10-CM

6 Pregnant female or breast-feeding	Z361	DX	ENCOUNTER FOR ANTENATAL SCREENING FOR RAISED ALPHAFETOPROTEIN LEVEL	ICD-10-CM
6 Pregnant female or breast-feeding	Z36.3	DX	ENCOUNTER FOR ANTENATAL SCREENING FOR MALFORMATIONS	ICD-10-CM
6 Pregnant female or breast-feeding	Z36.4	DX	ENCOUNTER FOR ANTENATAL SCREENING FOR FETAL GROWTH RETARDATION	ICD-10-CM
6 Pregnant female or breast-feeding	Z36.84	DX	ENCOUNTER FOR ANTENATAL SCREENING FOR FETAL LUNG MATURITY	ICD-10-CM
6 Pregnant female or breast-feeding	Z36.85	DX	ENCOUNTER FOR ANTENATAL SCREENING FOR STREPTOCOCCUS B	ICD-10-CM
6 Pregnant female or breast-feeding	Z36.87	DX	ENCOUNTER FOR ANTENATAL SCREENING FOR UNCERTAIN DATES	ICD-10-CM
6 Pregnant female or breast-feeding	Z36.89	DX	ENCOUNTER FOR OTHER SPECIFIED ANTENATAL SCREENING	ICD-10-CM
6 Pregnant female or breast-feeding	Z36.9	DX	ENCOUNTER FOR ANTENATAL SCREENING, UNSPECIFIED	ICD-10-CM
6 Pregnant female or breast-feeding	Z37.5	DX	OTHER MULTIPLE BIRTHS, ALL LIVEBORN	ICD-10-CM
6 Pregnant female or breast-feeding	Z37.50	DX	MULTIPLE BIRTHS, UNSPECIFIED, ALL LIVEBORN	ICD-10-CM
6 Pregnant female or breast-feeding	Z37.51	DX	TRIPLETS, ALL LIVEBORN	ICD-10-CM
6 Pregnant female or breast-feeding	Z37.52	DX	QUADRUPLETS, ALL LIVEBORN	ICD-10-CM
6 Pregnant female or breast-feeding	Z37.54	DX	SEXTUPLETS, ALL LIVEBORN	ICD-10-CM
6 Pregnant female or breast-feeding	Z37.59	DX	OTHER MULTIPLE BIRTHS, ALL LIVEBORN	ICD-10-CM
6 Pregnant female or breast-feeding	Z37.6	DX	OTHER MULTIPLE BIRTHS, SOME LIVEBORN	ICD-10-CM
6 Pregnant female or breast-feeding	Z37.60	DX	MULTIPLE BIRTHS, UNSPECIFIED, SOME LIVEBORN	ICD-10-CM
6 Pregnant female or breast-feeding	Z37.61	DX	TRIPLETS, SOME LIVEBORN	ICD-10-CM
6 Pregnant female or breast-feeding	Z37.62	DX	QUADRUPLETS, SOME LIVEBORN	ICD-10-CM
6 Pregnant female or breast-feeding	Z37.69	DX	OTHER MULTIPLE BIRTHS, SOME LIVEBORN	ICD-10-CM
6 Pregnant female or breast-feeding	Z38.3	DX	TWIN LIVEBORN INFANT, BORN IN HOSPITAL	ICD-10-CM
6 Pregnant female or breast-feeding	Z38.31	DX	TWIN LIVEBORN INFANT, DELIVERED BY CESAREAN	ICD-10-CM
6 Pregnant female or breast-feeding	Z38.4	DX	TWIN LIVEBORN INFANT, BORN OUTSIDE HOSPITAL	ICD-10-CM
6 Pregnant female or breast-feeding	Z38.5	DX	TWIN LIVEBORN INFANT, UNSPECIFIED AS TO PLACE OF BIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	Z38.6	DX	OTHER MULTIPLE LIVEBORN INFANT, BORN IN HOSPITAL	ICD-10-CM
6 Pregnant female or breast-feeding	Z38.62	DX	TRIPLET LIVEBORN INFANT, DELIVERED BY CESAREAN	ICD-10-CM
6 Pregnant female or breast-feeding	Z38.64	DX	QUADRUPLET LIVEBORN INFANT, DELIVERED BY CESAREAN	ICD-10-CM
6 Pregnant female or breast-feeding	Z38.66	DX	QUINTUPLET LIVEBORN INFANT, DELIVERED BY CESAREAN	ICD-10-CM
6 Pregnant female or breast-feeding	Z38.69	DX	OTHER MULTIPLE LIVEBORN INFANT, DELIVERED BY CESAREAN	ICD-10-CM
6 Pregnant female or breast-feeding	Z38.7	DX	OTHER MULTIPLE LIVEBORN INFANT, BORN OUTSIDE HOSPITAL	ICD-10-CM
6 Pregnant female or breast-feeding	Z38.8	DX	OTHER MULTIPLE LIVEBORN INFANT, UNSPECIFIED AS TO PLACE OF BIRTH	ICD-10-CM
6 Pregnant female or breast-feeding	Z39	DX	ENCOUNTER FOR MATERNAL POSTPARTUM CARE AND EXAMINATION	ICD-10-CM
6 Pregnant female or breast-feeding	Z39.0	DX	ENCOUNTER FOR CARE AND EXAMINATION OF MOTHER IMMEDIATELY AFTER DELIVERY	ICD-10-CM
6 Pregnant female or breast-feeding	Z39.2	DX	ENCOUNTER FOR ROUTINE POSTPARTUM FOLLOW-UP	ICD-10-CM
6 Pregnant female or breast-feeding	Z3A	DX	WEEKS OF GESTATION	ICD-10-CM
6 Pregnant female or breast-feeding	Z3A.0	DX	WEEKS OF GESTATION OF PREGNANCY, UNSPECIFIED OR LESS THAN 10 WEEKS	ICD-10-CM
6 Pregnant female or breast-feeding	Z3A.01	DX	LESS THAN 8 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	Z3A.09	DX	9 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	Z3A.1	DX	WEEKS OF GESTATION OF PREGNANCY, WEEKS 10-19	ICD-10-CM
6 Pregnant female or breast-feeding	Z3A.12	DX	12 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	Z3A.13	DX	13 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	Z3A.14	DX	14 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	Z3A.16	DX	16 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	Z3A.17	DX	17 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	Z3A.18	DX	18 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	Z3A.19	DX	19 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	Z3A.24	DX	24 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	Z3A.25	DX	25 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	Z3A.26	DX	26 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	Z3A.27	DX	27 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	Z3A.28	DX	28 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	Z3A.29	DX	29 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	Z3A.3	DX	WEEKS OF GESTATION OF PREGNANCY, WEEKS 30-29	ICD-10-CM
6 Pregnant female or breast-feeding	Z3A.32	DX	32 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	Z3A.33	DX	33 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	Z3A.34	DX	34 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	Z3A.39	DX	39 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	Z3A.40	DX	40 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	Z3A.41	DX	41 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	Z3A.49	DX	GREATER THAN 42 WEEKS GESTATION OF PREGNANCY	ICD-10-CM
6 Pregnant female or breast-feeding	Z34.90	DX	ENCOUNTER FOR SUPERVISION OF NORMAL PREGNANCY, UNSPECIFIED, UNSPECIFIED TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	Z34.91	DX	ENCOUNTER FOR SUPERVISION OF NORMAL PREGNANCY, UNSPECIFIED, FIRST TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	Z34.92	DX	ENCOUNTER FOR SUPERVISION OF NORMAL PREGNANCY, UNSPECIFIED, SECOND TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	Z34.93	DX	ENCOUNTER FOR SUPERVISION OF NORMAL PREGNANCY, UNSPECIFIED, THIRD TRIMESTER	ICD-10-CM
6 Pregnant female or breast-feeding	Z36	DX	ENCOUNTER FOR ANTENATAL SCREENING OF MOTHER	ICD-10-CM
6 Pregnant female or breast-feeding	Z36.0	DX	ENCOUNTER FOR ANTENATAL SCREENING FOR CHROMOSOMAL ANOMALIES	ICD-10-CM
6 Pregnant female or breast-feeding	Z36.2	DX	ENCOUNTER FOR OTHER ANTENATAL SCREENING FOLLOW-UP	ICD-10-CM
6 Pregnant female or breast-feeding	Z36.5	DX	ENCOUNTER FOR ANTENATAL SCREENING FOR ISOIMMUNIZATION	ICD-10-CM
6 Pregnant female or breast-feeding	Z36.8	DX	ENCOUNTER FOR OTHER ANTENATAL SCREENING	ICD-10-CM
6 Pregnant female or breast-feeding	Z36.81	DX	ENCOUNTER FOR ANTENATAL SCREENING FOR HYDROPS FETALIS	ICD-10-CM

6 Pregnant female or breast-feeding	Z36.82	DX	ENCOUNTER FOR ANTENATAL SCREENING FOR NUCHAL TRANSLUCENCY	ICD-10-CM	
6 Pregnant female or breast-feeding	Z36.83	DX	ENCOUNTER FOR FETAL SCREENING FOR CONGENITAL CARDIAC ABNORMALITIES	ICD-10-CM	
6 Pregnant female or breast-feeding	Z36.86	DX	ENCOUNTER FOR ANTENATAL SCREENING FOR CERVICAL LENGTH	ICD-10-CM	
6 Pregnant female or breast-feeding	Z36.88	DX	ENCOUNTER FOR ANTENATAL SCREENING FOR FETAL MACROSOMIA	ICD-10-CM	
6 Pregnant female or breast-feeding	Z36.8A	DX	ENCOUNTER FOR ANTENATAL SCREENING FOR OTHER GENETIC DEFECTS	ICD-10-CM	
6 Pregnant female or breast-feeding	Z37.2	DX	TWINS, BOTH LIVEBORN	ICD-10-CM	
6 Pregnant female or breast-feeding	Z37.3	DX	TWINS, ONE LIVEBORN AND ONE STILLBORN	ICD-10-CM	
6 Pregnant female or breast-feeding	Z37.53	DX	QUINTUPLETS, ALL LIVEBORN	ICD-10-CM	
6 Pregnant female or breast-feeding	Z37.63	DX	QUINTUPLETS, SOME LIVEBORN	ICD-10-CM	
6 Pregnant female or breast-feeding	Z37.64	DX	SEXTUPLETS, SOME LIVEBORN	ICD-10-CM	
6 Pregnant female or breast-feeding	Z38.30	DX	TWIN LIVEBORN INFANT, DELIVERED VAGINALLY	ICD-10-CM	
6 Pregnant female or breast-feeding	Z38.61	DX	TRIPLET LIVEBORN INFANT, DELIVERED VAGINALLY	ICD-10-CM	
6 Pregnant female or breast-feeding	Z38.63	DX	QUADRUPLET LIVEBORN INFANT, DELIVERED VAGINALLY	ICD-10-CM	
6 Pregnant female or breast-feeding	Z38.65	DX	QUINTUPLET LIVEBORN INFANT, DELIVERED VAGINALLY	ICD-10-CM	
6 Pregnant female or breast-feeding	Z38.68	DX	OTHER MULTIPLE LIVEBORN INFANT, DELIVERED VAGINALLY	ICD-10-CM	
6 Pregnant female or breast-feeding	Z39.1	DX	ENCOUNTER FOR CARE AND EXAMINATION OF LACTATING MOTHER	ICD-10-CM	
6 Pregnant female or breast-feeding	Z3A.00	DX	WEEKS OF GESTATION OF PREGNANCY NOT SPECIFIED	ICD-10-CM	
6 Pregnant female or breast-feeding	Z3A.08	DX	8 WEEKS GESTATION OF PREGNANCY	ICD-10-CM	
6 Pregnant female or breast-feeding	Z3A.10	DX	10 WEEKS GESTATION OF PREGNANCY	ICD-10-CM	
6 Pregnant female or breast-feeding	Z3A.11	DX	11 WEEKS GESTATION OF PREGNANCY	ICD-10-CM	
6 Pregnant female or breast-feeding	Z3A.15	DX	15 WEEKS GESTATION OF PREGNANCY	ICD-10-CM	
6 Pregnant female or breast-feeding	Z3A.2	DX	WEEKS OF GESTATION OF PREGNANCY, WEEKS 20-29	ICD-10-CM	
6 Pregnant female or breast-feeding	Z3A.20	DX	20 WEEKS GESTATION OF PREGNANCY	ICD-10-CM	
6 Pregnant female or breast-feeding	Z3A.21	DX	21 WEEKS GESTATION OF PREGNANCY	ICD-10-CM	
6 Pregnant female or breast-feeding	Z3A.22	DX	22 WEEKS GESTATION OF PREGNANCY	ICD-10-CM	
6 Pregnant female or breast-feeding	Z3A.23	DX	23 WEEKS GESTATION OF PREGNANCY	ICD-10-CM	
6 Pregnant female or breast-feeding	Z3A.30	DX	30 WEEKS GESTATION OF PREGNANCY	ICD-10-CM	
6 Pregnant female or breast-feeding	Z3A.31	DX	31 WEEKS GESTATION OF PREGNANCY	ICD-10-CM	
6 Pregnant female or breast-feeding	Z3A.35	DX	35 WEEKS GESTATION OF PREGNANCY	ICD-10-CM	
6 Pregnant female or breast-feeding	Z3A.36	DX	36 WEEKS GESTATION OF PREGNANCY	ICD-10-CM	
6 Pregnant female or breast-feeding	Z3A.37	DX	37 WEEKS GESTATION OF PREGNANCY	ICD-10-CM	
6 Pregnant female or breast-feeding	Z3A.38	DX	38 WEEKS GESTATION OF PREGNANCY	ICD-10-CM	
6 Pregnant female or breast-feeding	Z3A.4	DX	WEEKS OF GESTATION OF PREGNANCY, WEEKS 40 OR GREATER	ICD-10-CM	
6 Pregnant female or breast-feeding	Z3A.42	DX	42 WEEKS GESTATION OF PREGNANCY	ICD-10-CM	
7 Uncontrolled and potentially unstable diabetic retinopathy or maculopathy	Anti-VEGFI (compor 67028	PX	INTRAVITREAL INJECTION OF A PHARMACOLOGIC AGENT (SEPARATE PROCEDURE)	CPT/HCPCS	Component 1c
7 Uncontrolled and potentially unstable diabetic retinopathy or maculopathy	Photocoagulation (c 67028	PX	INTRAVITREAL INJECTION OF A PHARMACOLOGIC AGENT (SEPARATE PROCEDURE)	CPT/HCPCS	Component 1c
7 Uncontrolled and potentially unstable diabetic retinopathy or maculopathy	Photocoagulation (c 67220	PX	DESTRUCTION OF LOCALIZED LESION OF CHOROID (EG, CHOROIDAL NEOVASCULARIZATION); PHOTOCOAGULATION (EG, LASER), 1 OR MORE SESSIONS	CPT/HCPCS	Component 1c
7 Uncontrolled and potentially unstable diabetic retinopathy or maculopathy	Photocoagulation (c 67228	PX	TREATMENT OF EXTENSIVE OR PROGRESSIVE RETINOPATHY (EG, DIABETIC RETINOPATHY), PHOTOCOAGULATION BREAKDOWN (MECHANICAL) OF INSULIN PUMP	CPT/HCPCS	Component 1c
8 Treatment with continuous subcutaneous insulin infusion	T85.614	DX	BREAKDOWN (MECHANICAL) OF INSULIN PUMP, INITIAL ENCOUNTER	ICD-10-CM	
8 Treatment with continuous subcutaneous insulin infusion	T85.614A	DX	BREAKDOWN (MECHANICAL) OF INSULIN PUMP, INITIAL ENCOUNTER	ICD-10-CM	
8 Treatment with continuous subcutaneous insulin infusion	T85.614D	DX	BREAKDOWN (MECHANICAL) OF INSULIN PUMP, SUBSEQUENT ENCOUNTER	ICD-10-CM	
8 Treatment with continuous subcutaneous insulin infusion	T85.614S	DX	BREAKDOWN (MECHANICAL) OF INSULIN PUMP, SEQUELA	ICD-10-CM	
8 Treatment with continuous subcutaneous insulin infusion	T85.624	DX	DISPLACEMENT OF INSULIN PUMP	ICD-10-CM	
8 Treatment with continuous subcutaneous insulin infusion	T85.624A	DX	DISPLACEMENT OF INSULIN PUMP, INITIAL ENCOUNTER	ICD-10-CM	
8 Treatment with continuous subcutaneous insulin infusion	T85.624D	DX	DISPLACEMENT OF INSULIN PUMP, SUBSEQUENT ENCOUNTER	ICD-10-CM	
8 Treatment with continuous subcutaneous insulin infusion	T85.624S	DX	DISPLACEMENT OF INSULIN PUMP, SEQUELA	ICD-10-CM	
8 Treatment with continuous subcutaneous insulin infusion	T85.633	DX	LEAKAGE OF INSULIN PUMP	ICD-10-CM	
8 Treatment with continuous subcutaneous insulin infusion	T85.633A	DX	LEAKAGE OF INSULIN PUMP, INITIAL ENCOUNTER	ICD-10-CM	
8 Treatment with continuous subcutaneous insulin infusion	T85.633D	DX	LEAKAGE OF INSULIN PUMP, SUBSEQUENT ENCOUNTER	ICD-10-CM	
8 Treatment with continuous subcutaneous insulin infusion	T85.633S	DX	LEAKAGE OF INSULIN PUMP, SEQUELA	ICD-10-CM	
8 Treatment with continuous subcutaneous insulin infusion	T85.694	DX	OTHER MECHANICAL COMPLICATION OF INSULIN PUMP	ICD-10-CM	
8 Treatment with continuous subcutaneous insulin infusion	T85.694A	DX	OTHER MECHANICAL COMPLICATION OF INSULIN PUMP, INITIAL ENCOUNTER	ICD-10-CM	
8 Treatment with continuous subcutaneous insulin infusion	T85.694D	DX	OTHER MECHANICAL COMPLICATION OF INSULIN PUMP, SUBSEQUENT ENCOUNTER	ICD-10-CM	
8 Treatment with continuous subcutaneous insulin infusion	T85.694S	DX	OTHER MECHANICAL COMPLICATION OF INSULIN PUMP, SEQUELA	ICD-10-CM	
8 Treatment with continuous subcutaneous insulin infusion	T85.72	DX	INFECTION AND INFLAMMATORY REACTION DUE TO INSULIN PUMP	ICD-10-CM	
8 Treatment with continuous subcutaneous insulin infusion	T85.72XA	DX	INFECTION AND INFLAMMATORY REACTION DUE TO INSULIN PUMP, INITIAL ENCOUNTER	ICD-10-CM	
8 Treatment with continuous subcutaneous insulin infusion	T85.72XD	DX	INFECTION AND INFLAMMATORY REACTION DUE TO INSULIN PUMP, SUBSEQUENT ENCOUNTER	ICD-10-CM	
8 Treatment with continuous subcutaneous insulin infusion	T85.72XS	DX	INFECTION AND INFLAMMATORY REACTION DUE TO INSULIN PUMP, SEQUELA	ICD-10-CM	
8 Treatment with continuous subcutaneous insulin infusion	Z46.81	DX	ENCOUNTER FOR FITTING AND ADJUSTMENT OF INSULIN PUMP	ICD-10-CM	
8 Treatment with continuous subcutaneous insulin infusion	Z96.41	DX	PRESENCE OF INSULIN PUMP (EXTERNAL) (INTERNAL)	ICD-10-CM	
8 Treatment with continuous subcutaneous insulin infusion	0446T	PX	CREATION OF SUBCUTANEOUS POCKET WITH INSERTION OF IMPLANTABLE INTERSTITIAL GLUCOSE SENSOR, INCLUDING SYSTEM ACTIVATION AND PATIENT TRAINING	CPT/HCPCS	
8 Treatment with continuous subcutaneous insulin infusion	0447T	PX	REMOVAL OF IMPLANTABLE INTERSTITIAL GLUCOSE SENSOR FROM SUBCUTANEOUS POCKET VIA INCISION	CPT/HCPCS	

8	Treatment with continuous subcutaneous insulin infusion		0448T	PX	REMOVAL OF IMPLANTABLE INTERSTITIAL GLUCOSE SENSOR WITH CREATION OF SUBCUTANEOUS POCKET AT DIFFERENT ANATOMIC SITE AND INSERTION OF NEW IMPLANTABLE SENSOR, INCLUDING SYSTEM ACTIVATION	CPT/HCPCS
8	Treatment with continuous subcutaneous insulin infusion		A4226	PX	SUPPLIES FOR MAINTENANCE OF INSULIN INFUSION PUMP WITH DOSAGE RATE ADJUSTMENT USING THERAPEUTIC CONTINUOUS GLUCOSE SENSING	CPT/HCPCS
8	Treatment with continuous subcutaneous insulin infusion		A4230	PX	INFUSION SET FOR EXTERNAL INSULIN PUMP, NON-NEEDLE CANNULA TYPE	CPT/HCPCS
8	Treatment with continuous subcutaneous insulin infusion		A4231	PX	INFUSION SET FOR EXTERNAL INSULIN PUMP, NEEDLE TYPE	CPT/HCPCS
8	Treatment with continuous subcutaneous insulin infusion		A4232	PX	SYRINGE WITH NEEDLE FOR EXTERNAL INSULIN PUMP, STERILE, 3 CC	CPT/HCPCS
8	Treatment with continuous subcutaneous insulin infusion		E0787	PX	EXTERNAL AMBULATORY INFUSION PUMP, INSULIN, DOSAGE RATE ADJUSTMENT USING THERAPEUTIC CONTINUOUS GLUCOSE SENSING	CPT/HCPCS
8	Treatment with continuous subcutaneous insulin infusion		J1817	PX	INSULIN FOR ADMINISTRATION THROUGH DME (I.E., INSULIN PUMP) PER 50 UNITS	CPT/HCPCS
8	Treatment with continuous subcutaneous insulin infusion		S1034	PX	ARTIFICIAL PANCREAS DEVICE SYSTEM (E.G., LOW GLUCOSE SUSPEND (LGS) FEATURE) INCLUDING CONTINUOUS GLUCOSE MONITOR, BLOOD GLUCOSE METER, AND INSULIN PUMP	CPT/HCPCS
8	Treatment with continuous subcutaneous insulin infusion		S9145	PX	INSULIN PUMP INITIATION, INSTRUCTION IN INITIAL USE OF PUMP (PUMP NOT INCLUDED)	CPT/HCPCS
9	Multiple endocrine neoplasia type 2 or medullary thyroid carcinoma	MEN-2	E3122	DX	MULTIPLE ENDOCRINE NEOPLASIA [MEN] TYPE IIA	ICD-10-CM
9	Multiple endocrine neoplasia type 2 or medullary thyroid carcinoma	MEN-2	E3123	DX	MULTIPLE ENDOCRINE NEOPLASIA [MEN] TYPE IIB	ICD-10-CM
9	Multiple endocrine neoplasia type 2 or medullary thyroid carcinoma	Malignant neoplasm	C73	DX	MALIGNANT NEOPLASM OF THYROID GLAND	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C00.0	DX	MALIGNANT NEOPLASM OF EXTERNAL UPPER LIP	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C00.1	DX	MALIGNANT NEOPLASM OF EXTERNAL LOWER LIP	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C00.2	DX	MALIGNANT NEOPLASM OF EXTERNAL LIP, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C00.3	DX	MALIGNANT NEOPLASM OF UPPER LIP, INNER ASPECT	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C00.4	DX	MALIGNANT NEOPLASM OF LOWER LIP, INNER ASPECT	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C00.5	DX	MALIGNANT NEOPLASM OF LIP, UNSPECIFIED, INNER ASPECT	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C00.6	DX	MALIGNANT NEOPLASM OF COMMISSURE OF LIP, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C00.8	DX	MALIGNANT NEOPLASM OF OVERLAPPING SITES OF LIP	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C00.9	DX	MALIGNANT NEOPLASM OF LIP, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C01	DX	MALIGNANT NEOPLASM OF BASE OF TONGUE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C02.0	DX	MALIGNANT NEOPLASM OF DORSAL SURFACE OF TONGUE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C02.1	DX	MALIGNANT NEOPLASM OF BORDER OF TONGUE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C02.2	DX	MALIGNANT NEOPLASM OF VENTRAL SURFACE OF TONGUE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C02.3	DX	MALIGNANT NEOPLASM OF ANTERIOR TWO-THIRDS OF TONGUE, PART UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C02.4	DX	MALIGNANT NEOPLASM OF LINGUAL TONSIL	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C02.8	DX	MALIGNANT NEOPLASM OF OVERLAPPING SITES OF TONGUE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C02.9	DX	MALIGNANT NEOPLASM OF TONGUE, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C03.0	DX	MALIGNANT NEOPLASM OF UPPER GUM	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C03.1	DX	MALIGNANT NEOPLASM OF LOWER GUM	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C03.9	DX	MALIGNANT NEOPLASM OF GUM, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C04.0	DX	MALIGNANT NEOPLASM OF ANTERIOR FLOOR OF MOUTH	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C04.1	DX	MALIGNANT NEOPLASM OF LATERAL FLOOR OF MOUTH	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C04.8	DX	MALIGNANT NEOPLASM OF OVERLAPPING SITES OF FLOOR OF MOUTH	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C04.9	DX	MALIGNANT NEOPLASM OF FLOOR OF MOUTH, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C05.0	DX	MALIGNANT NEOPLASM OF HARD PALATE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C05.1	DX	MALIGNANT NEOPLASM OF SOFT PALATE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C05.2	DX	MALIGNANT NEOPLASM OF UVULA	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C05.8	DX	MALIGNANT NEOPLASM OF OVERLAPPING SITES OF PALATE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C05.9	DX	MALIGNANT NEOPLASM OF PALATE, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C06.0	DX	MALIGNANT NEOPLASM OF CHEEK MUCOSA	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C06.1	DX	MALIGNANT NEOPLASM OF VESTIBULE OF MOUTH	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C06.2	DX	MALIGNANT NEOPLASM OF RETROMOLAR AREA	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C06.80	DX	MALIGNANT NEOPLASM OF OVERLAPPING SITES OF UNSPECIFIED PARTS OF MOUTH	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C06.89	DX	MALIGNANT NEOPLASM OF OVERLAPPING SITES OF OTHER PARTS OF MOUTH	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C06.9	DX	MALIGNANT NEOPLASM OF MOUTH, UNSPECIFIED	ICD-10-CM

10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C07	DX	MALIGNANT NEOPLASM OF PAROTID GLAND	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C08.0	DX	MALIGNANT NEOPLASM OF SUBMANDIBULAR GLAND	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C08.1	DX	MALIGNANT NEOPLASM OF SUBLINGUAL GLAND	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C08.9	DX	MALIGNANT NEOPLASM OF MAJOR SALIVARY GLAND, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C09.0	DX	MALIGNANT NEOPLASM OF TONSILLAR FOSSA	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C09.1	DX	MALIGNANT NEOPLASM OF TONSILLAR PILLAR (ANTERIOR) (POSTERIOR)	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C09.8	DX	MALIGNANT NEOPLASM OF OVERLAPPING SITES OF TONSIL	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C09.9	DX	MALIGNANT NEOPLASM OF TONSIL, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C10.0	DX	MALIGNANT NEOPLASM OF VALLECULA	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C10.1	DX	MALIGNANT NEOPLASM OF ANTERIOR SURFACE OF EPIGLOTTIS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C10.2	DX	MALIGNANT NEOPLASM OF LATERAL WALL OF OROPHARYNX	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C10.3	DX	MALIGNANT NEOPLASM OF POSTERIOR WALL OF OROPHARYNX	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C10.4	DX	MALIGNANT NEOPLASM OF BRANCHIAL CLEFT	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C10.8	DX	MALIGNANT NEOPLASM OF OVERLAPPING SITES OF OROPHARYNX	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C10.9	DX	MALIGNANT NEOPLASM OF OROPHARYNX, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C11.0	DX	MALIGNANT NEOPLASM OF SUPERIOR WALL OF NASOPHARYNX	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C11.1	DX	MALIGNANT NEOPLASM OF POSTERIOR WALL OF NASOPHARYNX	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C11.2	DX	MALIGNANT NEOPLASM OF LATERAL WALL OF NASOPHARYNX	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C11.3	DX	MALIGNANT NEOPLASM OF ANTERIOR WALL OF NASOPHARYNX	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C11.8	DX	MALIGNANT NEOPLASM OF OVERLAPPING SITES OF NASOPHARYNX	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C11.9	DX	MALIGNANT NEOPLASM OF NASOPHARYNX, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C12	DX	MALIGNANT NEOPLASM OF PYRIFORM SINUS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C13.0	DX	MALIGNANT NEOPLASM OF POSTCRICOID REGION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C13.1	DX	MALIGNANT NEOPLASM OF ARYEPGLOTTIC FOLD, HYPOPHARYNGEAL ASPECT	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C13.2	DX	MALIGNANT NEOPLASM OF POSTERIOR WALL OF HYPOPHARYNX	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C13.8	DX	MALIGNANT NEOPLASM OF OVERLAPPING SITES OF HYPOPHARYNX	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C13.9	DX	MALIGNANT NEOPLASM OF HYPOPHARYNX, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C14.0	DX	MALIGNANT NEOPLASM OF PHARYNX, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C14.2	DX	MALIGNANT NEOPLASM OF WALDEYER'S RING	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C14.8	DX	MALIGNANT NEOPLASM OF OVERLAPPING SITES OF LIP, ORAL CAVITY AND PHARYNX	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C15.3	DX	MALIGNANT NEOPLASM OF UPPER THIRD OF ESOPHAGUS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C15.4	DX	MALIGNANT NEOPLASM OF MIDDLE THIRD OF ESOPHAGUS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C15.5	DX	MALIGNANT NEOPLASM OF LOWER THIRD OF ESOPHAGUS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C15.8	DX	MALIGNANT NEOPLASM OF OVERLAPPING SITES OF ESOPHAGUS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C15.9	DX	MALIGNANT NEOPLASM OF ESOPHAGUS, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C16.0	DX	MALIGNANT NEOPLASM OF CARDIA	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C16.1	DX	MALIGNANT NEOPLASM OF FUNDUS OF STOMACH	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C16.2	DX	MALIGNANT NEOPLASM OF BODY OF STOMACH	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C16.3	DX	MALIGNANT NEOPLASM OF PYLORIC ANTRUM	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C16.4	DX	MALIGNANT NEOPLASM OF PYLORUS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C16.5	DX	MALIGNANT NEOPLASM OF LESSER CURVATURE OF STOMACH, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C16.6	DX	MALIGNANT NEOPLASM OF GREATER CURVATURE OF STOMACH, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C16.8	DX	MALIGNANT NEOPLASM OF OVERLAPPING SITES OF STOMACH	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C16.9	DX	MALIGNANT NEOPLASM OF STOMACH, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C17.0	DX	MALIGNANT NEOPLASM OF DUODENUM	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C17.1	DX	MALIGNANT NEOPLASM OF JEJUNUM	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C17.2	DX	MALIGNANT NEOPLASM OF ILEUM	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C17.3	DX	MECKEL'S DIVERTICULUM, MALIGNANT	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C17.8	DX	MALIGNANT NEOPLASM OF OVERLAPPING SITES OF SMALL INTESTINE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C17.9	DX	MALIGNANT NEOPLASM OF SMALL INTESTINE, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C18.0	DX	MALIGNANT NEOPLASM OF CECUM	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C18.1	DX	MALIGNANT NEOPLASM OF APPENDIX	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C18.2	DX	MALIGNANT NEOPLASM OF ASCENDING COLON	ICD-10-CM

10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C18.3	DX	MALIGNANT NEOPLASM OF HEPATIC FLEXURE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C18.4	DX	MALIGNANT NEOPLASM OF TRANSVERSE COLON	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C18.5	DX	MALIGNANT NEOPLASM OF SPLENIC FLEXURE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C18.6	DX	MALIGNANT NEOPLASM OF DESCENDING COLON	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C18.7	DX	MALIGNANT NEOPLASM OF SIGMOID COLON	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C18.8	DX	MALIGNANT NEOPLASM OF OVERLAPPING SITES OF COLON	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C18.9	DX	MALIGNANT NEOPLASM OF COLON, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C19	DX	MALIGNANT NEOPLASM OF RECTOSIGMOID JUNCTION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C20	DX	MALIGNANT NEOPLASM OF RECTUM	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C21.0	DX	MALIGNANT NEOPLASM OF ANUS, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C21.1	DX	MALIGNANT NEOPLASM OF ANAL CANAL	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C21.2	DX	MALIGNANT NEOPLASM OF CLOACOGENIC ZONE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C21.8	DX	MALIGNANT NEOPLASM OF OVERLAPPING SITES OF RECTUM, ANUS AND ANAL CANAL	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C22.0	DX	LIVER CELL CARCINOMA	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C22.1	DX	INTRAHEPATIC BILE DUCT CARCINOMA	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C22.2	DX	HEPATOBLASTOMA	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C22.3	DX	ANGIOSARCOMA OF LIVER	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C22.4	DX	OTHER SARCOMAS OF LIVER	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C22.7	DX	OTHER SPECIFIED CARCINOMAS OF LIVER	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C22.8	DX	MALIGNANT NEOPLASM OF LIVER, PRIMARY, UNSPECIFIED AS TO TYPE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C22.9	DX	MALIGNANT NEOPLASM OF LIVER, NOT SPECIFIED AS PRIMARY OR SECONDARY	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C23	DX	MALIGNANT NEOPLASM OF GALLBLADDER	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C24.0	DX	MALIGNANT NEOPLASM OF EXTRAHEPATIC BILE DUCT	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C24.1	DX	MALIGNANT NEOPLASM OF AMPULLA OF VATER	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C24.8	DX	MALIGNANT NEOPLASM OF OVERLAPPING SITES OF BILIARY TRACT	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C24.9	DX	MALIGNANT NEOPLASM OF BILIARY TRACT, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C25.0	DX	MALIGNANT NEOPLASM OF HEAD OF PANCREAS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C25.1	DX	MALIGNANT NEOPLASM OF BODY OF PANCREAS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C25.2	DX	MALIGNANT NEOPLASM OF TAIL OF PANCREAS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C25.3	DX	MALIGNANT NEOPLASM OF PANCREATIC DUCT	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C25.4	DX	MALIGNANT NEOPLASM OF ENDOCRINE PANCREAS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C25.7	DX	MALIGNANT NEOPLASM OF OTHER PARTS OF PANCREAS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C25.8	DX	MALIGNANT NEOPLASM OF OVERLAPPING SITES OF PANCREAS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C25.9	DX	MALIGNANT NEOPLASM OF PANCREAS, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C26.0	DX	MALIGNANT NEOPLASM OF INTESTINAL TRACT, PART UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C26.1	DX	MALIGNANT NEOPLASM OF SPLEEN	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C26.9	DX	MALIGNANT NEOPLASM OF ILL-DEFINED SITES WITHIN THE DIGESTIVE SYSTEM	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C30.0	DX	MALIGNANT NEOPLASM OF NASAL CAVITY	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C30.1	DX	MALIGNANT NEOPLASM OF MIDDLE EAR	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C31.0	DX	MALIGNANT NEOPLASM OF MAXILLARY SINUS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C31.1	DX	MALIGNANT NEOPLASM OF ETHMOIDAL SINUS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C31.2	DX	MALIGNANT NEOPLASM OF FRONTAL SINUS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C31.3	DX	MALIGNANT NEOPLASM OF SPHENOID SINUS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C31.8	DX	MALIGNANT NEOPLASM OF OVERLAPPING SITES OF ACCESSORY SINUSES	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C31.9	DX	MALIGNANT NEOPLASM OF ACCESSORY SINUS, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C32.0	DX	MALIGNANT NEOPLASM OF GLOTTIS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C32.1	DX	MALIGNANT NEOPLASM OF SUPRAGLOTTIS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C32.2	DX	MALIGNANT NEOPLASM OF SUBGLOTTIS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C32.3	DX	MALIGNANT NEOPLASM OF LARYNGEAL CARTILAGE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C32.8	DX	MALIGNANT NEOPLASM OF OVERLAPPING SITES OF LARYNX	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C32.9	DX	MALIGNANT NEOPLASM OF LARYNX, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C33	DX	MALIGNANT NEOPLASM OF TRACHEA	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C34.00	DX	MALIGNANT NEOPLASM OF UNSPECIFIED MAIN BRONCHUS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C34.01	DX	MALIGNANT NEOPLASM OF RIGHT MAIN BRONCHUS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C34.02	DX	MALIGNANT NEOPLASM OF LEFT MAIN BRONCHUS	ICD-10-CM

10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C48.0	DX	MALIGNANT NEOPLASM OF RETROPERITONEUM	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C48.1	DX	MALIGNANT NEOPLASM OF SPECIFIED PARTS OF PERITONEUM	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C48.2	DX	MALIGNANT NEOPLASM OF PERITONEUM, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C48.8	DX	MALIGNANT NEOPLASM OF OVERLAPPING SITES OF RETROPERITONEUM AND PERITONEUM	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C49.0	DX	MALIGNANT NEOPLASM OF CONNECTIVE AND SOFT TISSUE OF HEAD, FACE AND NECK	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C49.10	DX	MALIGNANT NEOPLASM OF CONNECTIVE AND SOFT TISSUE OF UNSPECIFIED UPPER LIMB, INCLUDING SHOULDER	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C49.11	DX	MALIGNANT NEOPLASM OF CONNECTIVE AND SOFT TISSUE OF RIGHT UPPER LIMB, INCLUDING SHOULDER	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C49.12	DX	MALIGNANT NEOPLASM OF CONNECTIVE AND SOFT TISSUE OF LEFT UPPER LIMB, INCLUDING SHOULDER	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C49.20	DX	MALIGNANT NEOPLASM OF CONNECTIVE AND SOFT TISSUE OF UNSPECIFIED LOWER LIMB, INCLUDING HIP	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C49.21	DX	MALIGNANT NEOPLASM OF CONNECTIVE AND SOFT TISSUE OF RIGHT LOWER LIMB, INCLUDING HIP	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C49.22	DX	MALIGNANT NEOPLASM OF CONNECTIVE AND SOFT TISSUE OF LEFT LOWER LIMB, INCLUDING HIP	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C49.3	DX	MALIGNANT NEOPLASM OF CONNECTIVE AND SOFT TISSUE OF THORAX	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C49.4	DX	MALIGNANT NEOPLASM OF CONNECTIVE AND SOFT TISSUE OF ABDOMEN	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C49.5	DX	MALIGNANT NEOPLASM OF CONNECTIVE AND SOFT TISSUE OF PELVIS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C49.6	DX	MALIGNANT NEOPLASM OF CONNECTIVE AND SOFT TISSUE OF TRUNK, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C49.8	DX	MALIGNANT NEOPLASM OF OVERLAPPING SITES OF CONNECTIVE AND SOFT TISSUE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C49.9	DX	MALIGNANT NEOPLASM OF CONNECTIVE AND SOFT TISSUE, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C49.A0	DX	GASTROINTESTINAL STROMAL TUMOR, UNSPECIFIED SITE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C49.A1	DX	GASTROINTESTINAL STROMAL TUMOR OF ESOPHAGUS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C49.A2	DX	GASTROINTESTINAL STROMAL TUMOR OF STOMACH	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C49.A3	DX	GASTROINTESTINAL STROMAL TUMOR OF SMALL INTESTINE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C49.A4	DX	GASTROINTESTINAL STROMAL TUMOR OF LARGE INTESTINE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C49.A5	DX	GASTROINTESTINAL STROMAL TUMOR OF RECTUM	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C49.A9	DX	GASTROINTESTINAL STROMAL TUMOR OF OTHER SITES	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C50.011	DX	MALIGNANT NEOPLASM OF NIPPLE AND AREOLA, RIGHT FEMALE BREAST	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C50.012	DX	MALIGNANT NEOPLASM OF NIPPLE AND AREOLA, LEFT FEMALE BREAST	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C50.019	DX	MALIGNANT NEOPLASM OF NIPPLE AND AREOLA, UNSPECIFIED FEMALE BREAST	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C50.021	DX	MALIGNANT NEOPLASM OF NIPPLE AND AREOLA, RIGHT MALE BREAST	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C50.022	DX	MALIGNANT NEOPLASM OF NIPPLE AND AREOLA, LEFT MALE BREAST	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C50.029	DX	MALIGNANT NEOPLASM OF NIPPLE AND AREOLA, UNSPECIFIED MALE BREAST	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C50.111	DX	MALIGNANT NEOPLASM OF CENTRAL PORTION OF RIGHT FEMALE BREAST	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C50.112	DX	MALIGNANT NEOPLASM OF CENTRAL PORTION OF LEFT FEMALE BREAST	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C50.119	DX	MALIGNANT NEOPLASM OF CENTRAL PORTION OF UNSPECIFIED FEMALE BREAST	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C50.211	DX	MALIGNANT NEOPLASM OF UPPER-INNER QUADRANT OF RIGHT FEMALE BREAST	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C50.212	DX	MALIGNANT NEOPLASM OF UPPER-INNER QUADRANT OF LEFT FEMALE BREAST	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C50.219	DX	MALIGNANT NEOPLASM OF UPPER-INNER QUADRANT OF UNSPECIFIED FEMALE BREAST	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C50.221	DX	MALIGNANT NEOPLASM OF UPPER-INNER QUADRANT OF RIGHT MALE BREAST	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C50.222	DX	MALIGNANT NEOPLASM OF UPPER-INNER QUADRANT OF LEFT MALE BREAST	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C50.229	DX	MALIGNANT NEOPLASM OF UPPER-INNER QUADRANT OF UNSPECIFIED MALE BREAST	ICD-10-CM

10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C76.52	DX	MALIGNANT NEOPLASM OF LEFT LOWER LIMB	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C76.8	DX	MALIGNANT NEOPLASM OF OTHER SPECIFIED ILL-DEFINED SITES	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C77.0	DX	SECONDARY AND UNSPECIFIED MALIGNANT NEOPLASM OF LYMPH NODES OF HEAD, FACE AND NECK	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C77.1	DX	SECONDARY AND UNSPECIFIED MALIGNANT NEOPLASM OF INTRATHORACIC LYMPH NODES	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C77.2	DX	SECONDARY AND UNSPECIFIED MALIGNANT NEOPLASM OF INTRA-ABDOMINAL LYMPH NODES	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C77.3	DX	SECONDARY AND UNSPECIFIED MALIGNANT NEOPLASM OF AXILLA AND UPPER LIMB LYMPH NODES	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C77.4	DX	SECONDARY AND UNSPECIFIED MALIGNANT NEOPLASM OF INGUINAL AND LOWER LIMB LYMPH NODES	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C77.5	DX	SECONDARY AND UNSPECIFIED MALIGNANT NEOPLASM OF INTRAPELVIC LYMPH NODES	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C77.8	DX	SECONDARY AND UNSPECIFIED MALIGNANT NEOPLASM OF LYMPH NODES OF MULTIPLE REGIONS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C77.9	DX	SECONDARY AND UNSPECIFIED MALIGNANT NEOPLASM OF LYMPH NODE, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C78.00	DX	SECONDARY MALIGNANT NEOPLASM OF UNSPECIFIED LUNG	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C78.01	DX	SECONDARY MALIGNANT NEOPLASM OF RIGHT LUNG	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C78.02	DX	SECONDARY MALIGNANT NEOPLASM OF LEFT LUNG	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C78.1	DX	SECONDARY MALIGNANT NEOPLASM OF MEDIASTINUM	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C78.2	DX	SECONDARY MALIGNANT NEOPLASM OF PLEURA	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C78.30	DX	SECONDARY MALIGNANT NEOPLASM OF UNSPECIFIED RESPIRATORY ORGAN	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C78.39	DX	SECONDARY MALIGNANT NEOPLASM OF OTHER RESPIRATORY ORGANS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C78.4	DX	SECONDARY MALIGNANT NEOPLASM OF SMALL INTESTINE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C78.5	DX	SECONDARY MALIGNANT NEOPLASM OF LARGE INTESTINE AND RECTUM	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C78.6	DX	SECONDARY MALIGNANT NEOPLASM OF RETROPERITONEUM AND PERITONEUM	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C78.7	DX	SECONDARY MALIGNANT NEOPLASM OF LIVER AND INTRAHEPATIC BILE DUCT	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C78.8	DX	SECONDARY MALIGNANT NEOPLASM OF OTHER AND UNSPECIFIED DIGESTIVE ORGANS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C78.80	DX	SECONDARY MALIGNANT NEOPLASM OF UNSPECIFIED DIGESTIVE ORGAN	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C78.89	DX	SECONDARY MALIGNANT NEOPLASM OF OTHER DIGESTIVE ORGANS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C79.00	DX	SECONDARY MALIGNANT NEOPLASM OF UNSPECIFIED KIDNEY AND RENAL PELVIS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C79.01	DX	SECONDARY MALIGNANT NEOPLASM OF RIGHT KIDNEY AND RENAL PELVIS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C79.02	DX	SECONDARY MALIGNANT NEOPLASM OF LEFT KIDNEY AND RENAL PELVIS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C79.10	DX	SECONDARY MALIGNANT NEOPLASM OF UNSPECIFIED URINARY ORGANS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C79.11	DX	SECONDARY MALIGNANT NEOPLASM OF BLADDER	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C79.19	DX	SECONDARY MALIGNANT NEOPLASM OF OTHER URINARY ORGANS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C79.2	DX	SECONDARY MALIGNANT NEOPLASM OF SKIN	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C79.31	DX	SECONDARY MALIGNANT NEOPLASM OF BRAIN	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C79.32	DX	SECONDARY MALIGNANT NEOPLASM OF CEREBRAL MENINGES	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C79.40	DX	SECONDARY MALIGNANT NEOPLASM OF UNSPECIFIED PART OF NERVOUS SYSTEM	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C79.49	DX	SECONDARY MALIGNANT NEOPLASM OF OTHER PARTS OF NERVOUS SYSTEM	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C79.51	DX	SECONDARY MALIGNANT NEOPLASM OF BONE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C79.52	DX	SECONDARY MALIGNANT NEOPLASM OF BONE MARROW	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C79.60	DX	SECONDARY MALIGNANT NEOPLASM OF UNSPECIFIED OVARY	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C79.61	DX	SECONDARY MALIGNANT NEOPLASM OF RIGHT OVARY	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C79.62	DX	SECONDARY MALIGNANT NEOPLASM OF LEFT OVARY	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C79.70	DX	SECONDARY MALIGNANT NEOPLASM OF UNSPECIFIED ADRENAL GLAND	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C79.71	DX	SECONDARY MALIGNANT NEOPLASM OF RIGHT ADRENAL GLAND	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C79.72	DX	SECONDARY MALIGNANT NEOPLASM OF LEFT ADRENAL GLAND	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C79.81	DX	SECONDARY MALIGNANT NEOPLASM OF BREAST	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C79.82	DX	SECONDARY MALIGNANT NEOPLASM OF GENITAL ORGANS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C79.89	DX	SECONDARY MALIGNANT NEOPLASM OF OTHER SPECIFIED SITES	ICD-10-CM

10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C79.9	DX	SECONDARY MALIGNANT NEOPLASM OF UNSPECIFIED SITE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7A.0	DX	MALIGNANT CARCINOID TUMORS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7A.00	DX	MALIGNANT CARCINOID TUMOR OF UNSPECIFIED SITE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7A.01	DX	MALIGNANT CARCINOID TUMORS OF THE SMALL INTESTINE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7A.010	DX	MALIGNANT CARCINOID TUMOR OF THE DUODENUM	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7A.011	DX	MALIGNANT CARCINOID TUMOR OF THE JEJUNUM	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7A.012	DX	MALIGNANT CARCINOID TUMOR OF THE ILEUM	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7A.019	DX	MALIGNANT CARCINOID TUMOR OF THE SMALL INTESTINE, UNSPECIFIED PORTION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7A.02	DX	MALIGNANT CARCINOID TUMORS OF THE APPENDIX, LARGE INTESTINE, AND RECTUM	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7A.020	DX	MALIGNANT CARCINOID TUMOR OF THE APPENDIX	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7A.021	DX	MALIGNANT CARCINOID TUMOR OF THE CECUM	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7A.022	DX	MALIGNANT CARCINOID TUMOR OF THE ASCENDING COLON	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7A.023	DX	MALIGNANT CARCINOID TUMOR OF THE TRANSVERSE COLON	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7A.024	DX	MALIGNANT CARCINOID TUMOR OF THE DESCENDING COLON	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7A.025	DX	MALIGNANT CARCINOID TUMOR OF THE SIGMOID COLON	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7A.026	DX	MALIGNANT CARCINOID TUMOR OF THE RECTUM	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7A.029	DX	MALIGNANT CARCINOID TUMOR OF THE LARGE INTESTINE, UNSPECIFIED PORTION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7A.09	DX	MALIGNANT CARCINOID TUMORS OF OTHER SITES	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7A.090	DX	MALIGNANT CARCINOID TUMOR OF THE BRONCHUS AND LUNG	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7A.091	DX	MALIGNANT CARCINOID TUMOR OF THE THYMUS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7A.092	DX	MALIGNANT CARCINOID TUMOR OF THE STOMACH	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7A.093	DX	MALIGNANT CARCINOID TUMOR OF THE KIDNEY	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7A.094	DX	MALIGNANT CARCINOID TUMOR OF THE FOREGUT, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7A.095	DX	MALIGNANT CARCINOID TUMOR OF THE MIDGUT, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7A.096	DX	MALIGNANT CARCINOID TUMOR OF THE HINDGUT, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7A.098	DX	MALIGNANT CARCINOID TUMORS OF OTHER SITES	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7A.1	DX	MALIGNANT POORLY DIFFERENTIATED NEUROENDOCRINE TUMORS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7A.8	DX	OTHER MALIGNANT NEUROENDOCRINE TUMORS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7B	DX	SECONDARY NEUROENDOCRINE TUMORS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7B.0	DX	SECONDARY CARCINOID TUMORS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7B.00	DX	SECONDARY CARCINOID TUMORS, UNSPECIFIED SITE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7B.01	DX	SECONDARY CARCINOID TUMORS OF DISTANT LYMPH NODES	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7B.02	DX	SECONDARY CARCINOID TUMORS OF LIVER	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7B.03	DX	SECONDARY CARCINOID TUMORS OF BONE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7B.04	DX	SECONDARY CARCINOID TUMORS OF PERITONEUM	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7B.09	DX	SECONDARY CARCINOID TUMORS OF OTHER SITES	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7B.1	DX	SECONDARY MERKEL CELL CARCINOMA	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C7B.8	DX	OTHER SECONDARY NEUROENDOCRINE TUMORS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C80.0	DX	DISSEMINATED MALIGNANT NEOPLASM, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C80.1	DX	MALIGNANT (PRIMARY) NEOPLASM, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C80.2	DX	MALIGNANT NEOPLASM ASSOCIATED WITH TRANSPLANTED ORGAN	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C81.00	DX	NODULAR LYMPHOCYTE PREDOMINANT HODGKIN LYMPHOMA, UNSPECIFIED SITE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C81.01	DX	NODULAR LYMPHOCYTE PREDOMINANT HODGKIN LYMPHOMA, LYMPH NODES OF HEAD, FACE, AND NECK	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C81.02	DX	NODULAR LYMPHOCYTE PREDOMINANT HODGKIN LYMPHOMA, INTRATHORACIC LYMPH NODES	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C81.03	DX	NODULAR LYMPHOCYTE PREDOMINANT HODGKIN LYMPHOMA, INTRA-ABDOMINAL LYMPH NODES	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C81.04	DX	NODULAR LYMPHOCYTE PREDOMINANT HODGKIN LYMPHOMA, LYMPH NODES OF AXILLA AND UPPER LIMB	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C81.05	DX	NODULAR LYMPHOCYTE PREDOMINANT HODGKIN LYMPHOMA, LYMPH NODES OF INGUINAL REGION AND LOWER LIMB	ICD-10-CM

10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C86.5	DX	ANGIOIMMUNOBLASTIC T-CELL LYMPHOMA	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C86.6	DX	PRIMARY CUTANEOUS CD30-POSITIVE T-CELL PROLIFERATIONS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C88.0	DX	WALDENSTROM MACROGLOBULINEMIA	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C88.2	DX	HEAVY CHAIN DISEASE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C88.3	DX	IMMUNOPROLIFERATIVE SMALL INTESTINAL DISEASE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C88.4	DX	EXTRANODAL MARGINAL ZONE B-CELL LYMPHOMA OF MUCOSA-ASSOCIATED LYMPHOID TISSUE [MALT-LYMPHOMA]	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C88.8	DX	OTHER MALIGNANT IMMUNOPROLIFERATIVE DISEASES	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C88.9	DX	MALIGNANT IMMUNOPROLIFERATIVE DISEASE, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C90.00	DX	MULTIPLE MYELOMA NOT HAVING ACHIEVED REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C90.01	DX	MULTIPLE MYELOMA IN REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C90.02	DX	MULTIPLE MYELOMA IN RELAPSE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C90.10	DX	PLASMA CELL LEUKEMIA NOT HAVING ACHIEVED REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C90.11	DX	PLASMA CELL LEUKEMIA IN REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C90.12	DX	PLASMA CELL LEUKEMIA IN RELAPSE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C90.20	DX	EXTRAMEDULLARY PLASMACYTOMA NOT HAVING ACHIEVED REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C90.21	DX	EXTRAMEDULLARY PLASMACYTOMA IN REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C90.22	DX	EXTRAMEDULLARY PLASMACYTOMA IN RELAPSE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C90.30	DX	SOLITARY PLASMACYTOMA NOT HAVING ACHIEVED REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C90.31	DX	SOLITARY PLASMACYTOMA IN REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C90.32	DX	SOLITARY PLASMACYTOMA IN RELAPSE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C91.00	DX	ACUTE LYMPHOBLASTIC LEUKEMIA NOT HAVING ACHIEVED REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C91.01	DX	ACUTE LYMPHOBLASTIC LEUKEMIA, IN REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C91.02	DX	ACUTE LYMPHOBLASTIC LEUKEMIA, IN RELAPSE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C91.10	DX	CHRONIC LYMPHOCYTIC LEUKEMIA OF B-CELL TYPE NOT HAVING ACHIEVED REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C91.11	DX	CHRONIC LYMPHOCYTIC LEUKEMIA OF B-CELL TYPE IN REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C91.12	DX	CHRONIC LYMPHOCYTIC LEUKEMIA OF B-CELL TYPE IN RELAPSE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C91.30	DX	PROLYMPHOCYTIC LEUKEMIA OF B-CELL TYPE NOT HAVING ACHIEVED REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C91.31	DX	PROLYMPHOCYTIC LEUKEMIA OF B-CELL TYPE, IN REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C91.32	DX	PROLYMPHOCYTIC LEUKEMIA OF B-CELL TYPE, IN RELAPSE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C91.40	DX	HAIRY CELL LEUKEMIA NOT HAVING ACHIEVED REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C91.41	DX	HAIRY CELL LEUKEMIA, IN REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C91.42	DX	HAIRY CELL LEUKEMIA, IN RELAPSE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C91.50	DX	ADULT T-CELL LYMPHOMA/LEUKEMIA (HTLV-1-ASSOCIATED) NOT HAVING ACHIEVED REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C91.51	DX	ADULT T-CELL LYMPHOMA/LEUKEMIA (HTLV-1-ASSOCIATED), IN REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C91.52	DX	ADULT T-CELL LYMPHOMA/LEUKEMIA (HTLV-1-ASSOCIATED), IN RELAPSE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C91.60	DX	PROLYMPHOCYTIC LEUKEMIA OF T-CELL TYPE NOT HAVING ACHIEVED REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C91.61	DX	PROLYMPHOCYTIC LEUKEMIA OF T-CELL TYPE, IN REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C91.62	DX	PROLYMPHOCYTIC LEUKEMIA OF T-CELL TYPE, IN RELAPSE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C91.90	DX	LYMPHOID LEUKEMIA, UNSPECIFIED NOT HAVING ACHIEVED REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C91.91	DX	LYMPHOID LEUKEMIA, UNSPECIFIED, IN REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C91.92	DX	LYMPHOID LEUKEMIA, UNSPECIFIED, IN RELAPSE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C91.A0	DX	MATURE B-CELL LEUKEMIA BURKITT-TYPE NOT HAVING ACHIEVED REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C91.A1	DX	MATURE B-CELL LEUKEMIA BURKITT-TYPE, IN REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C91.A2	DX	MATURE B-CELL LEUKEMIA BURKITT-TYPE, IN PERSON	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C91.Z0	DX	OTHER LYMPHOID LEUKEMIA NOT HAVING ACHIEVED REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C91.Z1	DX	OTHER LYMPHOID LEUKEMIA, IN REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C91.Z2	DX	OTHER LYMPHOID LEUKEMIA, IN RELAPSE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C92.00	DX	ACUTE MYELOBLASTIC LEUKEMIA, NOT HAVING ACHIEVED REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C92.01	DX	ACUTE MYELOBLASTIC LEUKEMIA, IN REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C92.02	DX	ACUTE MYELOBLASTIC LEUKEMIA, IN RELAPSE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C92.10	DX	CHRONIC MYELOID LEUKEMIA, BCR/ABL-POSITIVE, NOT HAVING ACHIEVED REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C92.11	DX	CHRONIC MYELOID LEUKEMIA, BCR/ABL-POSITIVE, IN REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C92.12	DX	CHRONIC MYELOID LEUKEMIA, BCR/ABL-POSITIVE, IN RELAPSE	ICD-10-CM

10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C94.41	DX	ACUTE PANMYELOSIS WITH MYELOFIBROSIS, IN REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C94.42	DX	ACUTE PANMYELOSIS WITH MYELOFIBROSIS, IN RELAPSE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C94.6	DX	MYELODYSPLASTIC DISEASE, NOT ELSEWHERE CLASSIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C94.80	DX	OTHER SPECIFIED LEUKEMIAS NOT HAVING ACHIEVED REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C94.81	DX	OTHER SPECIFIED LEUKEMIAS, IN REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C94.82	DX	OTHER SPECIFIED LEUKEMIAS, IN RELAPSE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C95.00	DX	ACUTE LEUKEMIA OF UNSPECIFIED CELL TYPE NOT HAVING ACHIEVED REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C95.01	DX	ACUTE LEUKEMIA OF UNSPECIFIED CELL TYPE, IN REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C95.02	DX	ACUTE LEUKEMIA OF UNSPECIFIED CELL TYPE, IN RELAPSE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C95.10	DX	CHRONIC LEUKEMIA OF UNSPECIFIED CELL TYPE NOT HAVING ACHIEVED REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C95.11	DX	CHRONIC LEUKEMIA OF UNSPECIFIED CELL TYPE, IN REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C95.12	DX	CHRONIC LEUKEMIA OF UNSPECIFIED CELL TYPE, IN RELAPSE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C95.90	DX	LEUKEMIA, UNSPECIFIED NOT HAVING ACHIEVED REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C95.91	DX	LEUKEMIA, UNSPECIFIED, IN REMISSION	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C95.92	DX	LEUKEMIA, UNSPECIFIED, IN RELAPSE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C96	DX	OTHER AND UNSPECIFIED MALIGNANT NEOPLASMS OF LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C96.0	DX	MULTIFOCAL AND MULTISYSTEMIC (DISSEMINATED) LANGERHANS-CELL HISTIOCYTOSIS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C96.2	DX	MALIGNANT MAST CELL NEOPLASM	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C96.20	DX	MALIGNANT MAST CELL NEOPLASM, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C96.21	DX	AGGRESSIVE SYSTEMIC MASTOCYTOSIS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C96.22	DX	MAST CELL SARCOMA	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C96.29	DX	OTHER MALIGNANT MAST CELL NEOPLASM	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C96.4	DX	SARCOMA OF DENDRITIC CELLS (ACCESSORY CELLS)	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C96.5	DX	MULTIFOCAL AND UNISYSTEMIC LANGERHANS-CELL HISTIOCYTOSIS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C96.6	DX	UNIFOCAL LANGERHANS-CELL HISTIOCYTOSIS	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C96.9	DX	MALIGNANT NEOPLASM OF LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE, UNSPECIFIED	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C96.A	DX	HISTIOCYTIC SARCOMA	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	C96.Z	DX	OTHER SPECIFIED MALIGNANT NEOPLASMS OF LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	D45	DX	POLYCYTHEMIA VERA	ICD-10-CM
10	Have a history of an active or untreated malignancy or are in remission from	Cancer	R18.0	DX	MALIGNANT ASCITES	ICD-10-CM

Category	Variable_Name	Code	Code_category	Description	Code_type	Notes
1	Hospitalization for heart failure	I09.81	DX	RHEUMATIC HEART FAILURE	ICD-10-CM	
1	Hospitalization for heart failure	I11.0	DX	HYPERTENSIVE HEART DISEASE WITH HEART FAILURE	ICD-10-CM	
1	Hospitalization for heart failure	I13.0	DX	HYPERTENSIVE HEART AND CHRONIC KIDNEY DISEASE WITH HEART FAILURE AND STAGE 1 THROUGH STAGE 4 CHRONIC KIDNEY DISEASE, OR UNSPECIFIED CHRONIC KIDNEY DISEASE	ICD-10-CM	
1	Hospitalization for heart failure	I13.2	DX	HYPERTENSIVE HEART AND CHRONIC KIDNEY DISEASE WITH HEART FAILURE AND WITH STAGE 5 CHRONIC KIDNEY DISEASE, OR END STAGE RENAL DISEASE	ICD-10-CM	
1	Hospitalization for heart failure	I50	DX	HEART FAILURE	ICD-10-CM	
1	Hospitalization for heart failure	I50.1	DX	LEFT VENTRICULAR FAILURE, UNSPECIFIED	ICD-10-CM	
1	Hospitalization for heart failure	I50.2	DX	SYSTEMIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	
1	Hospitalization for heart failure	I50.20	DX	UNSPECIFIED SYSTEMIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	
1	Hospitalization for heart failure	I50.21	DX	ACUTE SYSTEMIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	
1	Hospitalization for heart failure	I50.22	DX	CHRONIC SYSTEMIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	
1	Hospitalization for heart failure	I50.23	DX	ACUTE ON CHRONIC SYSTEMIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	
1	Hospitalization for heart failure	I50.3	DX	DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	
1	Hospitalization for heart failure	I50.30	DX	UNSPECIFIED DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	
1	Hospitalization for heart failure	I50.31	DX	ACUTE DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	
1	Hospitalization for heart failure	I50.32	DX	CHRONIC DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	
1	Hospitalization for heart failure	I50.33	DX	ACUTE ON CHRONIC DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	
1	Hospitalization for heart failure	I50.4	DX	COMBINED SYSTEMIC (CONGESTIVE) AND DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	
1	Hospitalization for heart failure	I50.40	DX	UNSPECIFIED COMBINED SYSTEMIC (CONGESTIVE) AND DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	
1	Hospitalization for heart failure	I50.41	DX	ACUTE COMBINED SYSTEMIC (CONGESTIVE) AND DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	
1	Hospitalization for heart failure	I50.42	DX	CHRONIC COMBINED SYSTEMIC (CONGESTIVE) AND DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	
1	Hospitalization for heart failure	I50.43	DX	ACUTE ON CHRONIC COMBINED SYSTEMIC (CONGESTIVE) AND DIASTOLIC (CONGESTIVE) HEART FAILURE	ICD-10-CM	
1	Hospitalization for heart failure	I50.8	DX	OTHER HEART FAILURE	ICD-10-CM	
1	Hospitalization for heart failure	I50.810	DX	RIGHT HEART FAILURE, UNSPECIFIED	ICD-10-CM	
1	Hospitalization for heart failure	I50.811	DX	ACUTE RIGHT HEART FAILURE	ICD-10-CM	
1	Hospitalization for heart failure	I50.812	DX	CHRONIC RIGHT HEART FAILURE	ICD-10-CM	
1	Hospitalization for heart failure	I50.813	DX	ACUTE ON CHRONIC RIGHT HEART FAILURE	ICD-10-CM	
1	Hospitalization for heart failure	I50.814	DX	RIGHT HEART FAILURE DUE TO LEFT HEART FAILURE	ICD-10-CM	
1	Hospitalization for heart failure	I50.82	DX	BIVENTRICULAR HEART FAILURE	ICD-10-CM	
1	Hospitalization for heart failure	I50.83	DX	HIGH OUTPUT HEART FAILURE	ICD-10-CM	
1	Hospitalization for heart failure	I50.84	DX	END STAGE HEART FAILURE	ICD-10-CM	
1	Hospitalization for heart failure	I50.89	DX	OTHER HEART FAILURE	ICD-10-CM	
1	Hospitalization for heart failure	I50.9	DX	HEART FAILURE, UNSPECIFIED	ICD-10-CM	
2	All-cause mortality	20			IP-Discharge status	All database
2	All-cause mortality	41			IP-Discharge status	All database
2	All-cause mortality	42			IP-Discharge status	All database
2	All-cause mortality	21			IP-Discharge status	Marketscan/Optum database
2	All-cause mortality	22			IP-Discharge status	Marketscan/Optum database
2	All-cause mortality	23			IP-Discharge status	Marketscan/Optum database
2	All-cause mortality	24			IP-Discharge status	Marketscan/Optum database
2	All-cause mortality	25			IP-Discharge status	Marketscan/Optum database
2	All-cause mortality	26			IP-Discharge status	Marketscan/Optum database
2	All-cause mortality	27			IP-Discharge status	Marketscan/Optum database
2	All-cause mortality	28			IP-Discharge status	Marketscan/Optum database
2	All-cause mortality	29			IP-Discharge status	Marketscan/Optum database
2	All-cause mortality	40			IP-Discharge status	Marketscan/Optum database
2	All-cause mortality	BENE_DEATH_DT			file:mbsf_abdc_summary	Medicare database
2	All-cause mortality	YMDOD in DOD			file:member enrollment	Optum database
2	All-cause mortality	DEATHYRMO			file:mortality file	Marketscan database
	Medicare fee-for-service information on mortality was available through the vital status file					
	Optum Clinformatics information on mortality was available through four sources: Centers for Medicare and Medicaid Services, Social Security Administration Master Death Files, in-hospital deaths, and death as a reason for insurance discontinuation					
	IBM MarketScan information on mortality was limited to in-hospital deaths.					
3	Urgent care visit requiring i.v. diuretics	J1940	PX	INJECTION, FUROSEMIDE, UP TO 20 MG	CPT/HCPCS	
3	Urgent care visit requiring i.v. diuretics	J3265	PX	INJECTION, TORSEMIDE, 10 MG/ML	CPT/HCPCS	
3	Urgent care visit requiring i.v. diuretics	S0171	PX	INJECTION, BUMETANIDE, 0.5 MG	CPT/HCPCS	
3	Urgent care visit requiring i.v. diuretics	TORSEMIDE	RX		Generic	In combination with intravenous administration
3	Urgent care visit requiring i.v. diuretics	BUMETANIDE	RX		Generic	In combination with intravenous administration
3	Urgent care visit requiring i.v. diuretics	FUROSEMIDE	RX		Generic	In combination with intravenous administration
3	Urgent care visit requiring i.v. diuretics	FUROSEMIDE IN 0.9% SODIUM CHLORIDE	RX		Generic	In combination with intravenous administration
3	Urgent care visit requiring i.v. diuretics	FUROSEMIDE/DEXTROSE 5% IN WATER	RX		Generic	In combination with intravenous administration
3	Urgent care visit requiring i.v. diuretics	J3490	PX	I.V. unclassified drug	CPT/HCPCS	In combination with generic drug name codes for furosemide, torsemide, bumetanide
3	Urgent care visit requiring i.v. diuretics	00004026706	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00004026806	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00004194406	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00004196801	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00004196901	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00004197001	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00024060923	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00024060925	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00024060940	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00024061103	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00024061113	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00024061150	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00024101210	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00039005525	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00039005625	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00039005725	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00039006105	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00039006108	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00039006115	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00039006125	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00039006145	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00039006165	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00039006208	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00039006306	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00039006340	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00039006408	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00039006508	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00039006908	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00039016225	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00039016325	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00039016425	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00047414305	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00047414308	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00047414310	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00054329446	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00054329450	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00054329863	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00054829804	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00054829816	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00054830004	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00054830016	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00074127404	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00074127414	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00074127424	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00074127434	RX		NDC Drug	
3	Urgent care visit requiring i.v. diuretics	00074127502	RX		NDC Drug	

6	Safety outcome: Gastrointestinal adverse events	K85.8	DX	OTHER ACUTE PANCREATITIS	ICD-10-CM	Inpatient setting, primary position
6	Safety outcome: Gastrointestinal adverse events	K85.80	DX	OTHER ACUTE PANCREATITIS WITHOUT NECROSIS OR INFECTION	ICD-10-CM	Inpatient setting, primary position
6	Safety outcome: Gastrointestinal adverse events	K85.81	DX	OTHER ACUTE PANCREATITIS WITH UNINFECTED NECROSIS	ICD-10-CM	Inpatient setting, primary position
6	Safety outcome: Gastrointestinal adverse events	K85.82	DX	OTHER ACUTE PANCREATITIS WITH INFECTED NECROSIS	ICD-10-CM	Inpatient setting, primary position
6	Safety outcome: Gastrointestinal adverse events	K85.9	DX	ACUTE PANCREATITIS, UNSPECIFIED	ICD-10-CM	Inpatient setting, primary position
6	Safety outcome: Gastrointestinal adverse events	K85.90	DX	ACUTE PANCREATITIS WITHOUT NECROSIS OR INFECTION, UNSPECIFIED	ICD-10-CM	Inpatient setting, primary position
6	Safety outcome: Gastrointestinal adverse events	K85.91	DX	ACUTE PANCREATITIS WITH UNINFECTED NECROSIS, UNSPECIFIED	ICD-10-CM	Inpatient setting, primary position
6	Safety outcome: Gastrointestinal adverse events	K85.92	DX	ACUTE PANCREATITIS WITH INFECTED NECROSIS, UNSPECIFIED	ICD-10-CM	Inpatient setting, primary position
6	Safety outcome: Gastrointestinal adverse events	K31.5	DX	OBSTRUCTION OF DUODENUM	ICD-10-CM	Inpatient setting, primary position
6	Safety outcome: Gastrointestinal adverse events	K56	DX	PARALYTIC ILEUS AND INTESTINAL OBSTRUCTION WITHOUT HERNIA	ICD-10-CM	Inpatient setting, primary position
6	Safety outcome: Gastrointestinal adverse events	K56.0	DX	PARALYTIC ILEUS	ICD-10-CM	Inpatient setting, primary position
6	Safety outcome: Gastrointestinal adverse events	K56.5	DX	INTESTINAL ADHESIONS (BANDS) WITH OBSTRUCTION (POSTINFECTION)	ICD-10-CM	Inpatient setting, primary position
6	Safety outcome: Gastrointestinal adverse events	K56.50	DX	INTESTINAL ADHESIONS (BANDS) WITH OBSTRUCTION, UNSPECIFIED AS TO PARTIAL VS. COMPLETE	ICD-10-CM	Inpatient setting, primary position
6	Safety outcome: Gastrointestinal adverse events	K56.51	DX	INTESTINAL ADHESIONS WITH PARTIAL OBSTRUCTION	ICD-10-CM	Inpatient setting, primary position
6	Safety outcome: Gastrointestinal adverse events	K56.52	DX	INTESTINAL ADHESIONS WITH COMPLETE OBSTRUCTION	ICD-10-CM	Inpatient setting, primary position
6	Safety outcome: Gastrointestinal adverse events	K56.600	DX	PARTIAL INTESTINAL OBSTRUCTION, UNSPECIFIED AS TO CAUSE INCOMPLETE INTESTINAL OBSTRUCTION, NOS	ICD-10-CM	Inpatient setting, primary position
6	Safety outcome: Gastrointestinal adverse events	K56.601	DX	COMPLETE INTESTINAL OBSTRUCTION, UNSPECIFIED AS TO CAUSE	ICD-10-CM	Inpatient setting, primary position
6	Safety outcome: Gastrointestinal adverse events	K56.609	DX	UNSPECIFIED INTESTINAL OBSTRUCTION, UNSPECIFIED AS TO PARTIAL VS. COMPLETE INTESTINAL OBSTRUCTION NOS	ICD-10-CM	Inpatient setting, primary position
6	Safety outcome: Gastrointestinal adverse events	K56.69	DX	OTHER INTESTINAL OBSTRUCTION	ICD-10-CM	Inpatient setting, primary position
6	Safety outcome: Gastrointestinal adverse events	K56.690	DX	OTHER PARTIAL INTESTINAL OBSTRUCTION	ICD-10-CM	Inpatient setting, primary position
6	Safety outcome: Gastrointestinal adverse events	K56.691	DX	OTHER COMPLETE INTESTINAL OBSTRUCTION	ICD-10-CM	Inpatient setting, primary position
6	Safety outcome: Gastrointestinal adverse events	K56.699	DX	OTHER INTESTINAL OBSTRUCTION UNSPECIFIED AS TO PARTIAL VERSUS COMPLETE OBSTRUCTION	ICD-10-CM	Inpatient setting, primary position
7	Safety outcome: Urinary tract infection	A02.25	DX	SALMONELLA PYELONEPHRITIS	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	N10	DX	ACUTE PYELONEPHRITIS	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	N11.0	DX	NONOBSTRUCTIVE REFLUX-ASSOCIATED CHRONIC PYELONEPHRITIS	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	N11.1	DX	CHRONIC OBSTRUCTIVE PYELONEPHRITIS	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	N13.6	DX	PYONEPHROSIS	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	N30	DX	CYSTITIS	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	N30.0	DX	ACUTE CYSTITIS	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	N30.00	DX	ACUTE CYSTITIS WITHOUT HEMATURIA	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	N30.01	DX	ACUTE CYSTITIS WITH HEMATURIA	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	N30.1	DX	INTERSTITIAL CYSTITIS (CHRONIC)	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	N30.10	DX	INTERSTITIAL CYSTITIS (CHRONIC) WITHOUT HEMATURIA	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	N30.11	DX	INTERSTITIAL CYSTITIS (CHRONIC) WITH HEMATURIA	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	N30.2	DX	OTHER CHRONIC CYSTITIS	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	N30.20	DX	OTHER CHRONIC CYSTITIS WITHOUT HEMATURIA	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	N30.21	DX	OTHER CHRONIC CYSTITIS WITH HEMATURIA	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	N30.3	DX	TRIGONITIS	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	N30.30	DX	TRIGONITIS WITHOUT HEMATURIA	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	N30.31	DX	TRIGONITIS WITH HEMATURIA	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	N30.40	DX	IRRADIATION CYSTITIS WITHOUT HEMATURIA	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	N30.8	DX	OTHER CYSTITIS	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	N30.80	DX	OTHER CYSTITIS WITHOUT HEMATURIA	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	N30.81	DX	OTHER CYSTITIS WITH HEMATURIA	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	N30.9	DX	CYSTITIS, UNSPECIFIED	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	N30.90	DX	CYSTITIS, UNSPECIFIED WITHOUT HEMATURIA	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	N30.91	DX	CYSTITIS, UNSPECIFIED WITH HEMATURIA	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	N39.0	DX	URINARY TRACT INFECTION, SITE NOT SPECIFIED	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	N41.3	DX	PROSTATOCYSTITIS	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	N99.521	DX	INFECTION OF INCONTINENT EXTERNAL STOMA OF URINARY TRACT	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days

7	Safety outcome: Urinary tract infection	023.93	DX	UNSPECIFIED GENITOURINARY TRACT INFECTION IN PREGNANCY, THIRD TRIMESTER	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	086.1	DX	OTHER INFECTION OF GENITAL TRACT FOLLOWING DELIVERY	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	086.2	DX	URINARY TRACT INFECTION FOLLOWING DELIVERY	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	086.20	DX	URINARY TRACT INFECTION FOLLOWING DELIVERY, UNSPECIFIED	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	086.21	DX	INFECTION OF KIDNEY FOLLOWING DELIVERY	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	086.22	DX	INFECTION OF BLADDER FOLLOWING DELIVERY	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	086.29	DX	OTHER URINARY TRACT INFECTION FOLLOWING DELIVERY	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	R82.71	DX	BACTERIURIA	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	R82.81	DX	PYURIA	ICD-10-CM	Any position, any setting AND urinary tract infection antibiotics prescription within 7 days
7	Safety outcome: Urinary tract infection	AMOXICILLIN	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	AMOXICILLIN/POTASSIUM CLAVULANATE	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	CEFADROXIL	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	CEFdinir	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	CEFEpime HCL	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	CEFEpime HCL IN DEXTROSE 5% IN WATE	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	CEFEpime HCL IN ISO-OSMOTIC DEXTROSIR	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	CEFPODOXIME PROXETIL	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	CEFTAZIDIME	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	CEFTAZIDIME IN DEXTROSE 5% AND WATER	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	CEFTAZIDIME IN DEXTROSE, ISO-OSMOTIC	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	CEFTAZIDIME SODIUM	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	CEFTAZIDIME SODIUM IN 0.9% SODIUM Ch	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	CEFTAZIDIME SODIUM IN ISO-OSMOTIC DE	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	CEFTAZIDIME/ARGININE	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	CEFTAZIDIME/AVIBACTAM SODIUM	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	CEFTRIAXONE SODIUM	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	CEFTRIAXONE SODIUM IN ISO-OSMOTIC D	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	CEFTRIAXONE SODIUM/LIDOCAINE HCL	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	CEPHALEXIN	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	CEPHALEXIN HCL	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	CIPROFLOXACIN	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	CIPROFLOXACIN HCL	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	CIPROFLOXACIN LACTATE	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	CIPROFLOXACIN LACTATE/DEXTROSE 5% R	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	CIPROFLOXACIN/CIPROFLOXACIN HCL	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	DORIPENEM	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	ERTAPENEM SODIUM	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	FOSFOMYCIN TROMETHAMINE	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	GENTAMICIN SULFATE	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	GENTAMICIN SULFATE IN SODIUM CHLORI	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	GENTAMICIN SULFATE/PP	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	GENTAMICIN SULFATE/SODIUM CHLORIDE	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	GENTAMICIN SULFATE/SODIUM CITRATE	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	IMPENEM/CILASTATIN SODIUM	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	IMPENEM/CILASTATIN SODIUM/RELEBAC	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	LEVOFLOXACIN	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	LEVOFLOXACIN/DEXTROSE 5% IN WATER	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	MEROPENEM	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	MEROPENEM IN 0.9% SODIUM CHLORIDE	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	MEROPENEM/VABORBACTAM	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	NITROFURANTOIN	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	NITROFURANTOIN MACROCRYSTAL	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	NITROFURANTOIN MONOHYDRATE/MACR	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	PIPERACILLIN AND TAZOBACTAM IN DEXTR	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	PIPERACILLIN SODIUM	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	PIPERACILLIN SODIUM/DEXTROSE 5% IN R	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	PIPERACILLIN SODIUM/TAZOBACTAM SOI	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	SULFAMETHOXAZOLE	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	SULFAMETHOXAZOLE/PHENAZOPYRIDIN	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	SULFAMETHOXAZOLE/TRIMETHOPRIM	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	TOBRAMYCIN	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	TOBRAMYCIN IN 0.225% SODIUM CHLORID	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	TOBRAMYCIN SULFATE	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	TOBRAMYCIN SULFATE/DEXTROSE 5% IN	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	TOBRAMYCIN SULFATE/SODIUM CHLORID	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	TOBRAMYCIN SULFATE/VANCOMYCIN HC	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	TOBRAMYCIN/OTEPREDNOL ETABONATI	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	TRIMETHOPRIM	RX		Generic	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	S0039	PX	INJECTION, SULFAMETHOXAZOLE AND TRIMETHOPRIM	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	G9313	PX	AMOXICILLIN, WITH OR WITHOUT CLAVULANATE, NOT PRESCRIBED AS FIRST LINE ANTI-BIOTIC AT THE TIME OF DIAGNOSIS FOR DOCUMENTED REASON.	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	G9314	PX	AMOXICILLIN, WITH OR WITHOUT CLAVULANATE, NOT PRESCRIBED AS FIRST LINE ANTI-BIOTIC AT THE TIME OF DIAGNOSIS, REASON NOT GIVEN AS MAINTAINED	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	G9315	PX	AMOXICILLIN, WITH OR WITHOUT CLAVULANATE, NOT PRESCRIBED AS FIRST LINE ANTI-BIOTIC AT THE TIME OF DIAGNOSIS, REASON NOT GIVEN AS MAINTAINED	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	J0744	PX	INJECTION, CIPROFLOXACIN FOR INTRAVENOUS INFUSION, 200 MG AS MAINTAINED BY CMS FALLS UNDER DRUGS, ADMINISTERED BY INJECTION.	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	J7342	PX	INSTILLATION, CIPROFLOXACIN OTIC SUSPENSION, 6 MG AS MAINTAINED BY CMS FALLS UNDER MISCELLANEOUS DRUGS.	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	J1956	PX	INJECTION, LEVOFLOXACIN, 250 MG.	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	J0696	PX	INJECTION, CEFTRIAXONE SODIUM, PER 250 MG	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	J0692	PX	INJECTION, CEFEpime HYDROCHLORIDE, 500 MG AS MAINTAINED BY CMS FALLS UNDER DRUGS, ADMINISTERED BY INJECTION.	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	J0701	PX	INJECTION, CEFEpime HYDROCHLORIDE (BAXTER), NOT THERAPEUTICALLY EQUIVALENT TO MAXIPEME, 500 MG	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	J0703	PX	INJECTION, CEFEpime HYDROCHLORIDE (B BRAUN), NOT THERAPEUTICALLY EQUIVALENT TO MAXIPEME, 500 MG AS MAINTAINED BY CMS FALLS UNDER DRUGS, ADMINISTERED BY INJECTION.	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	J2543	PX	INJECTION, PIPERACILLIN SODIUM/TAZOBACTAM SODIUM, 1 GRAM/0.125 GRAMS (1.25 GRAMS)	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	S0081	PX	INJECTION, PIPERACILLIN SODIUM, 500 MG AS MAINTAINED BY CMS FALLS UNDER NON-MEDICARE DRUG CODES.	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	80170	PX	INJECTION, GARAMYCIN, GENTAMICIN, UP TO 80 MG AS MAINTAINED BY CMS FALLS UNDER DRUGS, ADMINISTERED BY INJECTION.	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	J1580	PX	TOBRAMYCIN	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	80200	PX	INJECTION, TOBRAMYCIN SULFATE, UP TO 80 MG	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	J3260	PX	INJECTION, TOBRAMYCIN SULFATE, PER 500 MG AS MAINTAINED BY CMS FALLS UNDER DRUGS, ADMINISTERED BY INJECTION.	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	J0713	PX	INJECTION, CEFTAZIDIME AND AVIBACTAM, 0.5 G/0.125 G AS MAINTAINED BY CMS FALLS UNDER DRUGS, ADMINISTERED BY INJECTION.	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	J0714	PX	INJECTION, CEFTAZIDIME AND AVIBACTAM, 0.5 G/0.125 G AS MAINTAINED BY CMS FALLS UNDER DRUGS, ADMINISTERED BY INJECTION.	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	J2184	PX	INJECTION, MEROPENEM (B. BRAUN), NOT THERAPEUTICALLY EQUIVALENT TO J2185, 100 MG AS MAINTAINED BY CMS FALLS UNDER DRUGS, ADMINISTERED BY INJECTION.	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	J2185	PX	INJECTION, MEROPENEM, 100 MG.	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	J2186	PX	INJECTION, MEROPENEM AND VABORBACTAM, 10MG/10MG (20MG) AS MAINTAINED BY CMS FALLS UNDER DRUGS, ADMINISTERED BY INJECTION.	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	J1335	PX	INJECTION, ERTAPENEM SODIUM, 500 MG.	CPT / HCPCS	Urinary tract infection antibiotics
7	Safety outcome: Urinary tract infection	J1267	PX	INJECTION, DORIPENEM, 10 MG AS MAINTAINED BY CMS FALLS UNDER DRUGS, ADMINISTERED BY INJECTION.	CPT / HCPCS	Urinary tract infection antibiotics

8 Safety outcome: Serious bacterial infection	B38.9	DX	COCCIDIOIDOMYCOSIS, UNSPECIFIED	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B41.0	DX	PULMONARY PARACOCCIDIOIDOMYCOSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B41.7	DX	DISSEMINATED PARACOCCIDIOIDOMYCOSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B41.8	DX	OTHER FORMS OF PARACOCCIDIOIDOMYCOSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B41.9	DX	PARACOCCIDIOIDOMYCOSIS, UNSPECIFIED	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B59	DX	PNEUMOCYSTOSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B37.1	DX	PULMONARY CANDIDIASIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B37.2	DX	CANDIDIASIS OF SKIN AND NAIL	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B37.41	DX	CANDIDAL PARONYCHIA	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B37.5	DX	CANDIDAL MENINGITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B37.6	DX	CANDIDAL ENDOCARDITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B37.7	DX	CANDIDAL SEPTICEMIA	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B37.82	DX	CANDIDAL ESOPHAGITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B37.84	DX	CANDIDAL CHELITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B46.0	DX	PULMONARY MUCORMYCOSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B46.1	DX	RHINOCEREBRAL MUCORMYCOSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B46.2	DX	CUTANEOUS MUCORMYCOSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B46.3	DX	GASTROINTESTINAL MUCORMYCOSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B46.4	DX	DISSEMINATED MUCORMYCOSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B46.5	DX	MUCORMYCOSIS, UNSPECIFIED	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B44.0	DX	INVASIVE PULMONARY ASPERGILLOSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B44.1	DX	OTHER PULMONARY ASPERGILLOSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B44.2	DX	TONSILLAR ASPERGILLOSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B44.7	DX	DISSEMINATED ASPERGILLOSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B44.89	DX	OTHER FORMS OF ASPERGILLOSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B44.9	DX	ASPERGILLOSIS, UNSPECIFIED	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B25	DX	CYTOMEGALOVIRAL DISEASE	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B25.0	DX	CYTOMEGALOVIRAL PNEUMONITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B25.1	DX	CYTOMEGALOVIRAL HEPATITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B25.2	DX	CYTOMEGALOVIRAL PANCREATITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B25.8	DX	OTHER CYTOMEGALOVIRAL DISEASES	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B25.9	DX	CYTOMEGALOVIRAL DISEASE, UNSPECIFIED	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B27.1	DX	CYTOMEGALOVIRAL MONONUCLEOSIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B27.10	DX	CYTOMEGALOVIRAL MONONUCLEOSIS WITHOUT COMPLICATIONS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B27.11	DX	CYTOMEGALOVIRAL MONONUCLEOSIS WITH POLYNEUROPATHY	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B27.12	DX	CYTOMEGALOVIRAL MONONUCLEOSIS WITH MENINGITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B27.19	DX	CYTOMEGALOVIRAL MONONUCLEOSIS WITH OTHER COMPLICATIONS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B78.1	DX	INTESTINAL STRONGYLOIDIASIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B77.81	DX	VISCERAL LARVA MIGRANS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B37.81	DX	CANDIDAL OTITIS EXTERNA	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B37.83	DX	CANDIDAL CYSTITIS AND URETHRITIS	ICD-10-CM	Inpatient setting, primary position
8 Safety outcome: Serious bacterial infection	B37.0	DX	CANDIDAL STOMATITIS	ICD-10-CM	Inpatient setting, primary position

Category	Subcategory	ICD	Validation source	Type of the source	PPV	Codes in the study	Codes in the emulation	Modification	Description of Modifications
Outcome									
1 Hospitalisation for heart failure	ICD-10-CM		Validity of International Classification of Diseases (ICD-10) Diagnostic Codes for Identification of Acute Heart Failure Hospitalizations and Heart Failure with Preserved Ejection Fraction (HFpEF) in the National Medicare Sample	DoPE	98%	ISO-B1 I10 I13.0 I13.2 I50.x		Based on PROMISE team	Added hypertensive heart disease with heart failure codes.
			Basic Informational Outcome: Misclassification in Observational Studies Evaluating Association Between Treatments and All-Cause or Cardiovascular Mortality Using Administrative Claims	N/A	N/A				
2 All-cause mortality	N/A			N/A					
3 Urgent care visit requiring i.v. diuretics	NDC-CPT			N/A					
4 Lumbar radiculopathy	ICD-10-CM		Clinical Outcomes of Tirzepatide or GLP-1 Receptor Agonists in Individuals With Type 2 Diabetes: Association Between Hemoglobin A1c, Weight, and Health-Related Quality of Life	Study w/ same criteria					
			Use of Tirzepatide or GLP-1 Receptor Agonists in Individuals With Type 2 Diabetes: Association Between Hemoglobin A1c, Weight, and Health-Related Quality of Life	Study w/ same criteria					
5 Hernia	ICD-10-CM								
6 Gastrointestinal adverse events	ICD-10-CM								
7 Urinary tract infection	ICD-10-CM		Performance Characteristics of Code-Based Algorithms to Identify Urinary Tract Infections in Large United States Administrative Claims Databases	Validation study	80.9%				
8 Serious bacterial infection	ICD-10-CM		https://pubmed.ncbi.nlm.nih.gov/29921683/ https://pubmed.ncbi.nlm.nih.gov/31102681/	Validation study	90%				
Inclusion criteria									
1 Patients > 18 yo	ICD-10-CM		Can't be validated	N/A	N/A	N/A	N/A	N/A	N/A
2 History of T2DM	ICD-10-CM		PROMISE team	DoPE					No
3 BMI > 27 kg/m2	ICD-10-CM		Validation of body mass index (BMI) extracted from ICD-10-CM administrative diagnosis codes recorded in US claims data	Validation study	92%				No
4 Chronic heart failure	ICD-10-CM		Validity of International Classification of Diseases (ICD-10) Diagnostic Codes for Identification of Acute Heart Failure Hospitalizations and Heart Failure with Preserved Ejection Fraction (HFpEF) in the National Medicare Sample	DoPE	98%	ISO-B1 I10 I13.0 I13.2 I50.x		Based on PROMISE team	Added hypertensive heart disease with heart failure codes.
			Development and Prospective Validation of a Medicare Claims-Based Model to Predict Left Ventricular Ejection Fraction Class in Patients With Heart Failure: Status of Subcontractors' Services and Subsequent Trends in Hospitalizations in Patients With Heart Failure with Preserved Ejection Fraction Following the T2D-AT Trial: A Cohort Study of Medicare Beneficiaries	DoPE	91%				
5 Preserved ejection fraction	ICD-10-CM								
Exclusion criteria									
1 Treatment with any GLP-1 RA	Prescriptions		https://www.fda.gov/	N/A					
2 History of T1DM	ICD-10-CM		PROMISE team	DoPE			I20, N36.6	No	Yes Added: I32.2 Hypertensive heart and chronic kidney disease with heart failure and with stage 5 chronic kidney disease, or end stage renal disease
3 End-stage renal disease or chronic or intermittent haemodialysis or peritoneal dialysis	ICD-10-CM, CPT/HCPCS		PROMISE team	DoPE				I20, I32.2, N36.6	No
4 History of bariatric surgery	ICD-10-CM		PROMISE team	DoPE					No
5 History of nursing home admission	ICD-10-CM		PROMISE team	DoPE					No
6 Pregnant female or breast-feeding	ICD-10-CM		Pregnancy team	DoPE					No
7 Uncontrolled and potentially unstable diabetic retinopathy or maculopathy	ICD-10-CM, CPT/HCPCS		LEAD-2	DoPE					No
8 Treatment with continuous subcutaneous insulin infusion	ICD-10-CM, CPT/HCPCS		https://www.cms.gov/medicare-coverage-database/details/79744-01-13	DoPE					No
9 Multiple endocrine neoplasia type 2 or medullary thyroid carcinoma	ICD-10-CM		PROMISE team	DoPE					No

Notes

N/A

Codes indicate stage V or end-stage renal disease (ESRD)

Appendix 3. Flowchart for cohort assembly

OPTUM (Jan 1, 2018 to Nov 30, 2024)	Excluded Patients	Remaining Patients
Patients in dataset		95,349,410
Patients meeting cohort entry criteria		1,110,462
Excluded due to insufficient enrollment	-305,535 (28%)	804,927
Excluded due to prior use of referent	-235,782 (29%)	569,145
Excluded due to prior use of exposure	-416,683 (73%)	152,462
Excluded because patient qualified in >1 exposure category	-31 (<1%)	152,431
Excluded based on Incl 0 - Gender	-40 (<1%)	152,421
Excluded based on Incl 1 - History of T2DM	-18,470 (12%)	133,951
Excluded based on Incl 2 - BMI ≥ 30.0 kg/m2 (ICD code)	-47,225 (35%)	86,726
Excluded based on Incl 2.1 - BMI ≥ 30.0 kg/m2 (Lab value, truncat)	-3,568 (4%)	83,158
Excluded based on Incl 3.1 - Heart failure	-44,131 (53%)	39,027
Excluded based on Incl 3.2 - HFpEF	-555 (1%)	38,472
Excluded based on Incl 4 - Age ≥ 18	-1 (<1%)	38,471
Excluded based on Excl 1 - Treatment with any GLP-1 receptor	-1,844 (5%)	36,627
Excluded based on Excl 2 - History of T1DM	-876 (2%)	35,751
Excluded based on Excl 4 - End-stage renal disease or chronic or	-680 (2%)	35,071
Excluded based on Excl 5 - History of bariatric surgery	-207 (<1%)	34,864
Excluded based on Excl 6 - History of nursing home admission	-1,719 (5%)	33,145
Excluded based on Excl 7 - Pregnant female or breast-feeding	-5 (<1%)	33,140
Excluded based on Excl 8 - Uncontrolled and potentially unstable	-352 (1%)	32,788
Excluded based on Excl 9 - Treatment with continuous subcutane	-29 (<1%)	32,759
Excluded based on Excl 10 - Multiple endocrine neoplasia type 2 or	-58 (<1%)	32,701
Excluded based on Excl 11 - Have a history of an active or untreate	-1,481 (5%)	31,220
Patients in Exposure Group		21,712
Patients in Referent Group		9,508
Total Patients		31,220

Marketscan (Jan 1, 2018 to Dec 31, 2022)*	Excluded Patients	Remaining Patients
Patients in dataset		119,592,979
Patients meeting cohort entry criteria		704,764
Excluded due to insufficient enrollment	-163,720 (23%)	541,044
Excluded due to prior use of referent	-243,198 (45%)	297,846
Excluded due to prior use of exposure	-207,611 (70%)	90,237
Excluded because patient qualified in >1 exposure category	-27 (<1%)	90,210
Excluded based on Incl 0 - Gender	-0 (<1%)	90,210
Excluded based on Incl 1 - History of T2DM	-20,048 (22%)	70,162
Excluded based on Incl 2 - BMI ≥ 30.0 kg/m2	-29,481 (42%)	40,681
Excluded based on Incl 2.1 - Heart failure	-29,964 (74%)	10,717
Excluded based on Incl 3.1 - HFpEF	-192 (2%)	10,525
Excluded based on Incl 4 - Age ≥ 18	-1 (<1%)	10,524
Excluded based on Excl 1 - Treatment with any GLP-1 rece	-423 (4%)	10,101
Excluded based on Excl 2 - History of T1DM	-272 (3%)	9,829
Excluded based on Excl 4 - End-stage renal disease or chro	-133 (1%)	9,696
Excluded based on Excl 5 - History of bariatric surgery	-38 (<1%)	9,658
Excluded based on Excl 6 - History of nursing home admis	-88 (<1%)	9,570
Excluded based on Excl 7 - Pregnant female or breast-feed	-7 (<1%)	9,563
Excluded based on Excl 8 - Uncontrolled and potentially un	-81 (<1%)	9,482
Excluded based on Excl 9 - Treatment with continuous sub	-11 (<1%)	9,471
Excluded based on Excl 10 - Multiple endocrine neoplasia b	-28 (<1%)	9,443
Excluded based on Excl 11 - Have a history of an active or u	-419 (4%)	9,024
Patients in Exposure Group		4,480
Patients in Referent Group		4,544
Total Patients		9,024

*Specified to include data until end of 2023 upon arrival of new database update

Medicare (Jan 1, 2018 to Dec 31, 2020)	Excluded Patients	Remaining Patients
Patients in dataset		28,874,258
Patients meeting cohort entry criteria		963,751
Excluded due to insufficient enrollment	-190,459 (20%)	773,292
Excluded due to prior use of referent	-593,355 (77%)	179,937
Excluded due to prior use of exposure	-70,438 (39%)	109,499
Excluded because patient qualified in >1 exposure category	-18 (<1%)	109,481
Excluded based on Incl 0 - Gender	-0 (<1%)	109,481
Excluded based on Incl 1 - History of T2DM	-2,448 (2%)	107,033
Excluded based on Incl 2 - BMI ≥ 30.0 kg/m2	-65,506 (61%)	41,527
Excluded based on Incl 2.1 - Heart failure	-17,425 (42%)	24,102
Excluded based on Incl 3.1 - HFpEF	-946 (4%)	23,156
Excluded based on Incl 4 - Age ≥ 18	-0 (<1%)	23,156
Excluded based on Excl 1 - Treatment with any GLP-1 receptor ag	-816 (4%)	22,340
Excluded based on Excl 2 - History of T1DM	-635 (3%)	21,705
Excluded based on Excl 4 - End-stage renal disease or chronic or	-577 (3%)	21,128
Excluded based on Excl 5 - History of bariatric surgery	-144 (<1%)	20,984
Excluded based on Excl 6 - History of nursing home admission	-1,377 (7%)	19,607
Excluded based on Excl 7 - Pregnant female or breast-feeding	-1 (<1%)	19,606
Excluded based on Excl 8 - Uncontrolled and potentially untable of	-253 (1%)	19,353
Excluded based on Excl 9 - Treatment with continuous subcutane	-12 (<1%)	19,341
Excluded based on Excl 10 - Multiple endocrine neoplasia type 2 or	-12 (<1%)	19,309
Excluded based on Excl 11 - Have a history of an active or untreate	-1,167 (6%)	18,142
Patients in Exposure Group		4,037
Patients in Referent Group		14,105
Total Patients		18,142

Appendix 5.2nd Feasibility Assessment

Table of Contents

- A. Median Follow up Time by Treatment Group
- B. Reasons for Censoring by Treatment Group
- C. Final Power Assessment
- D. Aetion report link
- E. Review by Principal Investigator

In order to complete the feasibility analysis, a dummy outcome of a 90-day gap in database enrollment was used. This outcome is used to ensure that no information on the comparative risks of the outcomes of interest are available at this

A. Median Follow Up Time by Treatment Group

	Optum	Marketscan	Medicare
Patient Group	Time (Days) [IQR]	Follow-Up	Median Follow-Up Time (Days) [IQR]
Overall Patient Population	139 (78, 273)	142 (73, 306)	135 (73, 293)

B. Reasons for Censoring in Overall Study Population

	Optum	Marketscan	Medicare
Overall	Value	Value	Value
Outcome	915 (2.9%)	388 (4.3%)	1,156 (6.4%)
Start of an additional exposure	310 (1.0%)	120 (1.3%)	159 (0.9%)
End of index exposure	14,478 (46.4%)	3,873 (42.9%)	7,748 (42.8%)
Maximum follow-up time	5,368 (17.2%)	1,768 (19.6%)	3,192 (17.6%)
Specified date reached	4,847 (15.5%)	1,434 (15.9%)	3,816 (21.1%)
End of patient data	0 (0.0%)	0 (0.0%)	0 (0.0%)
End of patient enrollment	2,657 (8.5%)	1,115 (12.4%)	575 (3.2%)
admission	2,626 (8.4%)	322 (3.6%)	1,466 (8.1%)

C. Power Assessment

Superiority Analysis	
Number of patients	
Reference	28,157
Exposed	30,229
Risk per 1,000 patients	40.00
Expected HR	0.45
Alpha (2-sided)	0.05
Number of events expected	2335,440
Power	1

F. Aetion report link

- Optum Step 1: <https://bwh-dope.aetion.com/project/2781/nwrs/131549>
- Marketscan Step 1: <https://bwh-dope.aetion.com/project/2792/nwrs/131582>
- Medicare Step 1: <https://bwh-dope.aetion.com/project/2800/nwrs/131567>

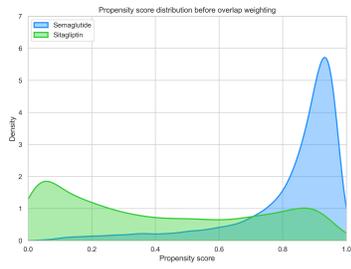
E. Review by principal investigator

Stop analyses until feasibility and power are reviewed by primary investigators.

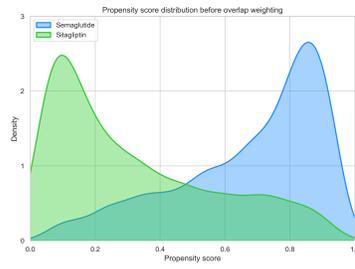
Reviewed by PI:	Nils Krüger	reviewed:	March 31, 2025
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Appendix 6. Balance Assessment - PS Distribution and C-Statistic

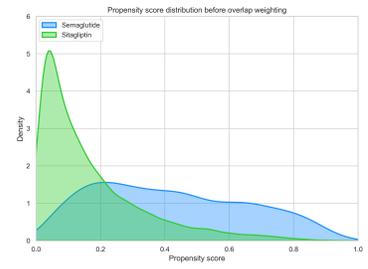
C-statistics unadjusted, OPTUM: 0.870



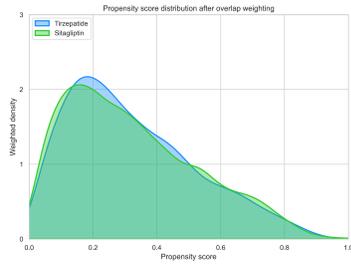
C-statistics unadjusted, Marketscan: 0.842



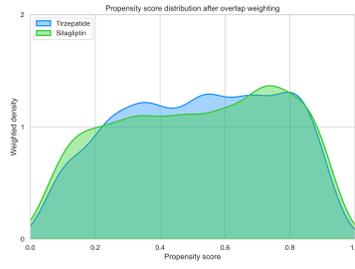
C-statistics unadjusted, Medicare: 0.823



C-statistics adjusted after overlap weighing on the PS, OPTUM: 0.505



C-statistics adjusted after overlap weighing on the PS, Marketscan: 0.500



C-statistics adjusted after overlap weighing on the PS, Medicare: 0.504

Appendix 7. Balance Assessment - Table 1

OPTUM	Variable	Exposure	Referent	SMD	Weighted Exposure	Weighted Referent	Weighted SMD
Demographics							
Age		66.55 ± 9.65 [68.00, 61.00-73.00]	71.28 ± 8.75 [72.00, 67.00-78.00]	-0.514	69.80 ± 8.58 [71.00, 65.00-76.00]	69.80 ± 9.26 [71.00, 65.00-76.00]	0.000
Gender (male)		10027 (46.21%)	4231 (44.52%)	0.034	1715.2 (44.61%)	1715.2 (44.61%)	0.000
Race							
White		10164 (46.84%)	4412 (46.43%)	0.008	1825.0 (47.46%)	1825.0 (47.46%)	0.000
Black		3816 (17.59%)	1935 (20.36%)	-0.071	728.5 (18.95%)	728.5 (18.95%)	0.000
Other		239 (1.10%)	151 (1.59%)	-0.042	50.6 (1.32%)	50.6 (1.32%)	0.000
Unknown / Missing		7479 (34.47%)	3005 (31.62%)	0.061	1240.9 (32.27%)	1240.9 (32.27%)	0.000
Region / State							
Midwest / North central		4148 (19.12%)	1393 (14.66%)	0.119	644.5 (16.76%)	644.5 (16.76%)	0.000
Northest		1782 (8.21%)	931 (9.80%)	-0.055	363.8 (9.46%)	363.8 (9.46%)	0.000
South		12436 (57.31%)	5659 (59.55%)	-0.045	2264.1 (58.88%)	2264.1 (58.88%)	0.000
West		3325 (15.32%)	1515 (15.94%)	-0.017	571.0 (14.85%)	571.0 (14.85%)	0.000
Lifestyle risk factors							
Smoking / Tobacco use		7478 (34.46%)	3275 (34.46%)	0.000	1318.8 (34.30%)	1318.8 (34.30%)	0.000
Class 1 Obesity (30.0-34.9)		2061 (9.50%)	1824 (19.19%)	-0.279	545.5 (14.19%)	545.5 (14.19%)	0.000
Class 2 Obesity (35.0-39.9)		1521 (7.01%)	799 (8.41%)	-0.052	308.0 (8.01%)	308.0 (8.01%)	0.000
Class 3 Obesity (40.0 and above)		10769 (49.63%)	3199 (33.66%)	0.328	1547.3 (40.24%)	1547.3 (40.24%)	0.000
Unspecified Obesity		7347 (33.86%)	3681 (38.74%)	-0.102	1444.2 (37.56%)	1444.2 (37.56%)	0.000
Diabetes complications							
Diabetic nephropathy		7657 (35.29%)	4039 (42.50%)	-0.148	1531.1 (39.82%)	1531.1 (39.82%)	0.000
Diabetic neuropathy		8322 (38.35%)	3893 (40.97%)	-0.053	1557.3 (40.50%)	1557.3 (40.50%)	0.000
Diabetic retinopathy		2639 (12.16%)	1231 (12.95%)	-0.024	494.3 (12.85%)	494.3 (12.85%)	0.000
Diabetes with other ophthalmic complications		1145 (5.28%)	637 (6.70%)	-0.060	245.0 (6.37%)	245.0 (6.37%)	0.000
Diabetes with peripheral circulatory disorders		4882 (22.50%)	2445 (25.73%)	-0.076	971.1 (25.26%)	971.1 (25.26%)	0.000
Diabetic foot		1101 (5.07%)	435 (4.58%)	0.023	192.1 (5.00%)	192.1 (5.00%)	0.000
Erectile dysfunction		931 (4.29%)	349 (3.67%)	0.032	146.8 (3.82%)	146.8 (3.82%)	0.000
Hyperglycemia / DKA / HONK		11808 (54.42%)	5249 (55.24%)	-0.016	2160.6 (56.19%)	2160.6 (56.19%)	0.000
Hypoglycemia		5872 (27.06%)	2545 (26.78%)	0.006	1064.6 (27.69%)	1064.6 (27.69%)	0.000
Skin infections		3227 (14.87%)	1354 (14.25%)	0.018	568.4 (14.78%)	568.4 (14.78%)	0.000
Cardiovascular-related conditions							
Angina		3487 (16.07%)	1552 (16.33%)	-0.007	602.7 (15.67%)	602.7 (15.67%)	0.000
Atrial fibrillation		5875 (27.08%)	2713 (28.55%)	-0.033	1083.5 (28.18%)	1083.5 (28.18%)	0.000
Cardiac conduction disorder		2918 (13.45%)	1319 (13.88%)	-0.013	536.5 (13.95%)	536.5 (13.95%)	0.000
Cardiomyopathy		4059 (18.71%)	1658 (17.45%)	0.033	653.7 (17.00%)	653.7 (17.00%)	0.000
Cerebrovascular procedure		62 (0.29%)	26 (0.27%)	0.002	13.7 (0.36%)	13.7 (0.36%)	0.000
Coronary atherosclerosis		10033 (46.24%)	4633 (48.75%)	-0.050	1815.0 (47.20%)	1815.0 (47.20%)	0.000
Edema		5803 (26.74%)	2651 (27.90%)	-0.026	1053.9 (27.41%)	1053.9 (27.41%)	0.000
Hyperkalemia		1237 (5.70%)	679 (7.15%)	-0.059	254.8 (6.63%)	254.8 (6.63%)	0.000
Hyperlipidemia		19209 (88.53%)	8522 (89.68%)	-0.037	3454.4 (89.84%)	3454.4 (89.84%)	0.000
Hypertension		20890 (96.28%)	9231 (97.14%)	-0.048	3722.7 (96.82%)	3722.7 (96.82%)	0.000
Hypotension		1274 (5.87%)	705 (7.42%)	-0.062	263.4 (6.85%)	263.4 (6.85%)	0.000
Implantable cardioverter defibrillator		168 (0.77%)	97 (1.02%)	-0.026	33.2 (0.86%)	33.2 (0.86%)	0.000
Insertion of pacemakers / removal of cardiac lead		94 (0.43%)	78 (0.82%)	-0.049	26.3 (0.68%)	26.3 (0.68%)	0.000
Ischemic stroke		213 (0.98%)	137 (1.44%)	-0.042	48.4 (1.26%)	48.4 (1.26%)	0.000
Myocardial infarction		2765 (12.74%)	1428 (15.03%)	-0.066	521.0 (13.55%)	521.0 (13.55%)	0.000
Other cardiac dysrhythmia		8031 (37.01%)	3537 (37.22%)	-0.004	1425.1 (37.06%)	1425.1 (37.06%)	0.000
Peripheral vascular disease diagnosis or surgery		3766 (17.36%)	1935 (20.36%)	-0.077	756.2 (19.67%)	756.2 (19.67%)	0.000
Previous cardiac procedure (CABG, PTCA, Stent)		887 (4.09%)	425 (4.47%)	-0.019	156.5 (4.07%)	156.5 (4.07%)	0.000
Pulmonary hypertension		2171 (10.01%)	998 (10.50%)	-0.016	386.4 (10.05%)	386.4 (10.05%)	0.000
Transient ischemic attack		616 (2.84%)	320 (3.37%)	-0.030	115.1 (2.99%)	115.1 (2.99%)	0.000
Valve disorders		5535 (25.51%)	2551 (26.84%)	-0.030	1019.7 (26.52%)	1019.7 (26.52%)	0.000
Valve replacement		896 (4.13%)	403 (4.24%)	-0.006	168.1 (4.37%)	168.1 (4.37%)	0.000
Venous thromboembolism		828 (3.82%)	391 (4.11%)	-0.015	155.7 (4.05%)	155.7 (4.05%)	0.000
Renal-related conditions							
Acute kidney injury		2925 (13.48%)	1694 (17.83%)	-0.120	616.0 (16.02%)	616.0 (16.02%)	0.000
Chronic kidney disease stage 1-2		1827 (8.42%)	1002 (10.54%)	-0.073	371.6 (9.66%)	371.6 (9.66%)	0.000
Chronic kidney disease stage 3-4		6441 (29.68%)	3375 (35.52%)	-0.125	1281.5 (33.33%)	1281.5 (33.33%)	0.000
Unspecified chronic kidney disease		2916 (13.44%)	1573 (16.55%)	-0.087	591.1 (15.37%)	591.1 (15.37%)	0.000
Hypertensive nephropathy		5904 (27.21%)	3175 (33.41%)	-0.135	1185.8 (30.84%)	1185.8 (30.84%)	0.000
Urolithiasis (kidney and urinary stone)		1194 (5.50%)	495 (5.21%)	0.013	203.1 (5.28%)	203.1 (5.28%)	0.000

Urinary tract infections	3679 (16.96%)	2007 (21.12%)	-0.106	745.0 (19.38%)	745.0 (19.38%)	0.000
Genital infections	711 (3.28%)	314 (3.30%)	-0.002	136.3 (3.55%)	136.3 (3.55%)	0.000
Other comorbidities						
Anemia	6114 (28.18%)	3181 (33.47%)	-0.115	1215.6 (31.61%)	1215.6 (31.61%)	0.000
Asthma	3909 (18.02%)	1428 (15.03%)	0.081	621.0 (16.15%)	621.0 (16.15%)	0.000
Chronic obstructive pulmonary disease	6097 (28.10%)	3000 (31.57%)	-0.076	1169.9 (30.43%)	1169.9 (30.43%)	0.000
Obstructive sleep apnea	10956 (50.49%)	3257 (34.27%)	0.333	1567.2 (40.76%)	1567.2 (40.76%)	0.000
Serious bacterial infections	1062 (4.89%)	583 (6.13%)	-0.054	210.4 (5.47%)	210.4 (5.47%)	0.000
Pneumonia	2140 (9.86%)	1164 (12.25%)	-0.076	436.9 (11.36%)	436.9 (11.36%)	0.000
Influenza	466 (2.15%)	205 (2.16%)	-0.001	76.8 (2.00%)	76.8 (2.00%)	0.000
Delirium or psychosis	483 (2.23%)	277 (2.91%)	-0.044	106.4 (2.77%)	106.4 (2.77%)	0.000
Dementia	1053 (4.85%)	880 (9.26%)	-0.173	286.2 (7.44%)	286.2 (7.44%)	0.000
Depression	5686 (26.21%)	2411 (25.37%)	0.019	1003.1 (26.09%)	1003.1 (26.09%)	0.000
Osteoporosis	1153 (5.31%)	619 (6.51%)	-0.051	240.2 (6.25%)	240.2 (6.25%)	0.000
Fractures / Falls	1730 (7.97%)	870 (9.16%)	-0.042	345.6 (8.99%)	345.6 (8.99%)	0.000
Hyperthyroidism and other thyroid gland disorders	6463 (29.79%)	2939 (30.93%)	-0.025	1196.8 (31.13%)	1196.8 (31.13%)	0.000
Hypothyroidism	5334 (24.58%)	2482 (26.12%)	-0.035	1010.0 (26.27%)	1010.0 (26.27%)	0.000
Gastroparesis	273 (1.26%)	123 (1.29%)	-0.003	54.7 (1.42%)	54.7 (1.42%)	0.000
Bowel obstruction	35 (0.16%)	22 (0.23%)	-0.016	8.1 (0.21%)	8.1 (0.21%)	0.000
Liver disease	4657 (21.46%)	1956 (20.58%)	0.022	821.1 (21.36%)	821.1 (21.36%)	0.000
MASH/MASLD	2153 (9.92%)	718 (7.56%)	0.084	325.8 (8.47%)	325.8 (8.47%)	0.000
Pancreatitis	26 (0.12%)	15 (0.16%)	-0.010	5.7 (0.15%)	5.7 (0.15%)	0.000
Biliary disease	47 (0.22%)	34 (0.36%)	-0.026	11.1 (0.29%)	11.1 (0.29%)	0.000
Urinary incontinence	1639 (7.55%)	751 (7.90%)	-0.013	306.3 (7.97%)	306.3 (7.97%)	0.000
Diabetes medications						
Metformin	12395 (57.13%)	6294 (66.23%)	-0.188	2438.4 (63.42%)	2438.4 (63.42%)	0.000
Insulins	8205 (37.81%)	2661 (28.00%)	0.210	1279.9 (33.29%)	1279.9 (33.29%)	0.000
Dipeptidyl peptidase-4 inhibitors	840 (3.87%)	437 (4.60%)	-0.036	175.8 (4.57%)	175.8 (4.57%)	0.000
Sulfonylureas	5181 (23.88%)	3907 (41.11%)	-0.374	1311.6 (34.11%)	1311.6 (34.11%)	0.000
Sodium-glucose cotransporter 2 inhibitors	6525 (30.07%)	1583 (16.66%)	0.321	917.4 (23.86%)	917.4 (23.86%)	0.000
Any other glucose-lowering agents	1499 (6.91%)	966 (10.17%)	-0.117	352.8 (9.17%)	352.8 (9.17%)	0.000
Heart failure medications						
Angiotensin-converting enzyme inhibitors / Angiotensin II receptor blo	15612 (71.95%)	7262 (76.42%)	-0.102	2864.0 (74.49%)	2864.0 (74.49%)	0.000
Angiotensin Receptor-Nepriylsin Inhibitors	1682 (7.75%)	404 (4.25%)	0.148	212.2 (5.52%)	212.2 (5.52%)	0.000
Beta-blockers	11055 (50.95%)	4796 (50.47%)	0.010	1964.2 (51.09%)	1964.2 (51.09%)	0.000
Calcium channel blockers	8705 (40.12%)	4180 (43.99%)	-0.078	1640.6 (42.67%)	1640.6 (42.67%)	0.000
Digoxin / Digitoxin	446 (2.06%)	303 (3.19%)	-0.071	102.5 (2.67%)	102.5 (2.67%)	0.000
Loop diuretics	12229 (56.36%)	5297 (55.74%)	0.012	2137.0 (55.58%)	2137.0 (55.58%)	0.000
Thiazides	6745 (31.09%)	3036 (31.95%)	-0.019	1212.9 (31.54%)	1212.9 (31.54%)	0.000
Intravenous diuretics	1145 (5.28%)	487 (5.12%)	0.007	192.3 (5.00%)	192.3 (5.00%)	0.000
Other diuretics	4742 (21.85%)	1581 (16.64%)	0.133	702.8 (18.28%)	702.8 (18.28%)	0.000
Nitrates	3735 (17.21%)	1696 (17.85%)	-0.017	663.5 (17.26%)	663.5 (17.26%)	0.000
Other medications						
Anti-arrhythmics	1519 (7.00%)	612 (6.44%)	0.022	248.8 (6.47%)	248.8 (6.47%)	0.000
Anti-depressants	9785 (45.10%)	3586 (37.74%)	0.150	1592.6 (41.42%)	1592.6 (41.42%)	0.000
Antiplatelet agents	4588 (21.14%)	2018 (21.24%)	-0.002	808.6 (21.03%)	808.6 (21.03%)	0.000
Antipsychotics	1317 (6.07%)	507 (5.34%)	0.032	225.6 (5.87%)	225.6 (5.87%)	0.000
Anxiolytics / hypnotics, benzos	5987 (27.59%)	2210 (23.26%)	0.100	942.4 (24.51%)	942.4 (24.51%)	0.000
COPD / Asthma medications	10698 (49.30%)	4367 (45.95%)	0.067	1823.9 (47.43%)	1823.9 (47.43%)	0.000
Laxatives	1130 (5.21%)	520 (5.47%)	-0.012	200.0 (5.20%)	200.0 (5.20%)	0.000
NSAIDs	7427 (34.23%)	2866 (30.16%)	0.087	1245.1 (32.38%)	1245.1 (32.38%)	0.000
Opioids	9184 (42.33%)	3769 (39.66%)	0.054	1528.5 (39.75%)	1528.5 (39.75%)	0.000
Oral anticoagulants	5671 (26.14%)	2446 (25.74%)	0.009	1009.8 (26.26%)	1009.8 (26.26%)	0.000
Oral corticosteroids	9022 (41.58%)	3424 (36.03%)	0.114	1455.1 (37.84%)	1455.1 (37.84%)	0.000
Osteoporosis agents	689 (3.18%)	404 (4.25%)	-0.057	145.8 (3.79%)	145.8 (3.79%)	0.000
Statins	18124 (83.53%)	8090 (85.13%)	-0.044	3284.9 (85.43%)	3284.9 (85.43%)	0.000
PCSK9 inhibitors and other lipid-lowering drugs	3589 (16.54%)	1265 (13.31%)	0.091	576.2 (14.99%)	576.2 (14.99%)	0.000
Urinary tract infections antibiotics	11763 (54.21%)	5065 (53.30%)	0.018	2034.0 (52.90%)	2034.0 (52.90%)	0.000
Healthcare utilization markers						
Number of office visits	1271 ± 8.01 [11.00, 7.00-17.00]	1177 ± 7.98 [10.00, 6.00-16.00]	0.119	1210 ± 7.48 [11.00, 7.00-16.00]	1210 ± 8.33 [10.00, 6.00-16.00]	0.000
Number of cardiologist visits	3.75 ± 5.33 [2.00, 0.00-5.00]	3.82 ± 5.40 [2.00, 0.00-5.00]	-0.014	3.70 ± 5.22 [2.00, 0.00-5.00]	3.70 ± 5.32 [2.00, 0.00-5.00]	0.000
Number of endocrinologist visits	0.56 ± 1.65 [0.00, 0.00-0.00]	0.38 ± 1.71 [0.00, 0.00-0.00]	0.102	0.47 ± 1.34 [0.00, 0.00-0.00]	0.47 ± 2.10 [0.00, 0.00-0.00]	0.000
Number of internal/family medicine visits	9.78 ± 10.43 [7.00, 4.00-12.00]	10.99 ± 10.58 [8.00, 4.00-14.00]	-0.115	10.54 ± 11.12 [7.00, 4.00-13.00]	10.54 ± 10.56 [7.00, 4.00-14.00]	0.000
Number of emergency department visits	1.08 ± 2.35 [0.00, 0.00-1.00]	1.29 ± 2.21 [1.00, 0.00-2.00]	-0.093	1.22 ± 3.22 [0.00, 0.00-2.00]	1.22 ± 2.09 [1.00, 0.00-2.00]	0.000
Number of echocardiograms	0.67 ± 0.94 [0.00, 0.00-1.00]	0.66 ± 0.90 [0.00, 0.00-1.00]	0.005	0.66 ± 0.92 [0.00, 0.00-1.00]	0.66 ± 0.91 [0.00, 0.00-1.00]	0.000

Number electrocardiograms	1.88 ± 2.50 [1.00, 0.00-3.00]	1.99 ± 2.54 [1.00, 0.00-3.00]	-0.041	1.91 ± 2.67 [1.00, 0.00-3.00]	1.91 ± 2.50 [1.00, 0.00-3.00]	0.000
Number of distinct medications	18.48 ± 7.57 [17.00, 13.00-23.00]	17.73 ± 7.18 [17.00, 13.00-22.00]	0.102	18.16 ± 7.37 [17.00, 13.00-22.00]	18.16 ± 7.47 [17.00, 13.00-22.00]	0.000
Out-of-pocket medication cost	742.37 ± 921.74 [420.91, 148.79-1047.74]	632.26 ± 754.17 [346.03, 131.50-897.23]	0.131	673.09 ± 760.24 [389.23, 148.18-954.95]	673.09 ± 842.41 [341.65, 127.74-964.19]	0.000
Number of unique brand medications*	18.89 ± 7.89 [18.00, 13.00-23.00]	18.09 ± 7.48 [17.00, 13.00-22.00]	0.105	18.55 ± 7.68 [18.00, 13.00-23.00]	18.56 ± 7.80 [17.00, 13.00-23.00]	-0.001
Number of unique generic medications*	18.48 ± 7.57 [17.00, 13.00-23.00]	17.73 ± 7.18 [17.00, 13.00-22.00]	0.102	18.16 ± 7.37 [17.00, 13.00-22.00]	18.16 ± 7.47 [17.00, 13.00-22.00]	0.000
Ratio of brand to generic medications	1.02 ± 0.04 [1.00, 1.00-1.04]	1.02 ± 0.04 [1.00, 1.00-1.03]	0.060	1.02 ± 0.04 [1.00, 1.00-1.04]	1.02 ± 0.04 [1.00, 1.00-1.04]	0.000
Healthy behavior markers						
Colonoscopy, Sigmoidoscopy	2203 (10.15%)	863 (9.08%)	0.036	358.4 (9.32%)	358.4 (9.32%)	0.000
Bone mineral density tests	1661 (7.66%)	717 (7.54%)	0.004	295.2 (7.68%)	295.2 (7.68%)	0.000
Fecal occult blood test	1021 (4.71%)	759 (7.99%)	-0.135	237.0 (6.16%)	237.0 (6.16%)	0.000
Flu vaccine / Pneumococcal vaccine	7889 (36.36%)	3903 (41.07%)	-0.097	1472.3 (38.29%)	1472.3 (38.29%)	0.000
Mammograms	5006 (23.07%)	1869 (19.67%)	0.083	813.7 (21.16%)	813.7 (21.16%)	0.000
PSA test	4778 (22.02%)	1903 (20.03%)	0.049	793.6 (20.64%)	793.6 (20.64%)	0.000
Pap smear	903 (4.16%)	269 (2.83%)	0.073	121.5 (3.16%)	121.5 (3.16%)	0.000
Laboratory and diagnostic tests						
Number of HbA1c tests	2.46 ± 1.41 [2.00, 2.00-3.00]	2.45 ± 1.39 [2.00, 1.00-3.00]	0.007	2.48 ± 1.39 [2.00, 2.00-3.00]	2.48 ± 1.41 [2.00, 2.00-3.00]	0.000
Number of creatinine tests	4.05 ± 3.65 [3.00, 2.00-5.00]	4.12 ± 5.05 [3.00, 2.00-5.00]	-0.015	4.08 ± 3.75 [3.00, 2.00-5.00]	4.08 ± 3.40 [3.00, 2.00-5.00]	0.000
Number of urine tests	1.29 ± 1.86 [1.00, 0.00-2.00]	1.46 ± 4.20 [1.00, 0.00-2.00]	-0.054	1.38 ± 1.97 [1.00, 0.00-2.00]	1.38 ± 1.90 [1.00, 0.00-2.00]	0.000
Number of lipid panels	1.69 ± 1.25 [1.00, 1.00-2.00]	1.72 ± 1.25 [2.00, 1.00-2.00]	-0.026	1.71 ± 1.26 [2.00, 1.00-2.00]	1.71 ± 1.24 [2.00, 1.00-2.00]	0.000
Lab values						
BMI*	40.44 ± 7.78 [38.85, 34.75-44.30]	37.35 ± 6.27 [35.91, 32.60-40.30]	0.437	39.27 ± 7.35 [37.66, 33.86-42.74]	37.88 ± 6.55 [36.40, 32.92-41.10]	0.199
BNP*	127.78 ± 228.91 [64.00, 27.25-148.50]	199.52 ± 418.53 [79.00, 36.45-199.35]	-0.213	133.01 ± 204.67 [68.00, 30.60-159.37]	177.09 ± 350.65 [69.53, 34.00-170.12]	-0.154
proBNP*	697.90 ± 1128.02 [268.40, 110.00-786.50]	1056.85 ± 2055.05 [396.00, 132.50-1144.00]	-0.217	804.23 ± 1379.27 [297.11, 112.56-890.00]	842.62 ± 1541.39 [303.92, 122.56-945.24]	-0.026
Creatinine*	1.14 ± 0.43 [1.01, 0.82-1.29]	1.24 ± 2.73 [1.07, 0.86-1.37]	-0.05	1.17 ± 0.44 [1.04, 0.84-1.33]	1.20 ± 1.48 [1.05, 0.85-1.34]	-0.031
eGFR*	2479.33 ± 155285.18 [68.00, 50.00-87.00]	62.67 ± 22.55 [62.00, 46.00-80.00]	0.022	1598.54 ± 123868.86 [63.00, 47.00-82.00]	63.59 ± 22.76 [63.00, 47.00-81.00]	0.017
Glucose*	158.82 ± 71.80 [140.00, 111.00-187.00]	171.17 ± 73.91 [155.00, 122.00-200.00]	-0.170	164.74 ± 75.29 [146.00, 115.00-195.00]	171.16 ± 74.08 [154.00, 122.00-201.00]	-0.086
HbA1c*	7.65 ± 1.74 [7.30, 6.40-8.50]	7.92 ± 1.67 [7.60, 6.70-8.70]	-0.154	7.81 ± 1.77 [7.50, 6.50-8.70]	7.97 ± 1.69 [7.70, 6.80-8.80]	-0.088
Heart rate*	76.68 ± 13.21 [76.00, 67.00-85.00]	77.20 ± 23.13 [76.00, 67.00-85.00]	-0.027	76.57 ± 13.18 [76.00, 68.00-85.00]	77.29 ± 21.15 [76.00, 67.00-86.00]	-0.041
Systolic blood pressure*	129.72 ± 19.97 [130.00, 120.00-140.00]	131.47 ± 19.11 [130.00, 120.00-140.00]	-0.090	130.68 ± 19.30 [130.00, 120.00-140.00]	130.70 ± 19.49 [130.00, 120.00-140.00]	-0.001
Burden of comorbidities						
Combined comorbidity index (CCI)	4.39 ± 2.58 [4.00, 3.00-6.00]	4.99 ± 2.74 [5.00, 3.00-7.00]	-0.223	4.73 ± 2.67 [5.00, 3.00-7.00]	4.73 ± 2.68 [5.00, 3.00-7.00]	0.000
Frailty score	0.21 ± 0.06 [0.20, 0.17-0.24]	0.21 ± 0.06 [0.20, 0.17-0.25]	-0.123	0.21 ± 0.06 [0.20, 0.17-0.24]	0.21 ± 0.06 [0.20, 0.17-0.24]	0.000
Baseline hospitalizations and hospital metrics						
Number of any hospitalization	0.35 ± 0.81 [0.00, 0.00-0.00]	0.47 ± 0.89 [0.00, 0.00-1.00]	-0.136	0.41 ± 0.89 [0.00, 0.00-1.00]	0.41 ± 0.86 [0.00, 0.00-1.00]	0.000
Number of heart failure hospitalizations						
Zero	20735 (95.56%)	8944 (94.12%)	0.065	3650.2 (94.93%)	3650.2 (94.93%)	0.000
One	851 (3.92%)	465 (4.89%)	-0.047	164.5 (4.28%)	164.5 (4.28%)	0.000
Two or more	112 (0.52%)	94 (0.99%)	-0.055	30.3 (0.79%)	30.3 (0.79%)	0.000
Number of other hospitalizations						
Zero	16469 (75.90%)	6556 (68.99%)	0.155	2784.4 (72.42%)	2784.4 (72.42%)	0.000
One	3739 (17.23%)	2016 (21.21%)	-0.101	739.0 (19.22%)	739.0 (19.22%)	0.000
Two or more	1490 (6.87%)	931 (9.80%)	-0.106	321.6 (8.36%)	321.6 (8.36%)	0.000
Calendar year of cohort entry						
2018	25 (0.12%)	1540 (16.21%)	-0.615	23.7 (0.62%)	23.7 (0.62%)	0.000
2019	629 (2.90%)	1642 (17.28%)	-0.492	351.9 (9.15%)	351.9 (9.15%)	0.000
2020	1276 (5.88%)	1737 (18.28%)	-0.387	583.4 (15.17%)	583.4 (15.17%)	0.000
2021	1990 (9.17%)	1472 (15.49%)	-0.193	645.6 (16.79%)	645.6 (16.79%)	0.000
2022	3470 (15.99%)	1152 (12.12%)	0.112	696.3 (18.11%)	696.3 (18.11%)	0.000
2023	6792 (31.30%)	1067 (11.23%)	0.506	818.6 (21.29%)	818.6 (21.29%)	0.000
2024	7516 (34.64%)	893 (9.40%)	0.640	725.5 (18.87%)	725.5 (18.87%)	0.000

Appendix 7. Balance Assessment - Table 1

Marketscan	Variable	Exposure	Referent	SMD	Weighted Exposure	Weighted Referent	Weighted SMD
Demographics							
Age		58.26 ± 10.51 [58.00, 52.00-64.00]	65.20 ± 11.99 [64.00, 57.00-75.00]	-0.616	60.91 ± 10.50 [61.00, 55.00-67.00]	60.91 ± 11.28 [60.00, 54.00-68.00]	0.000
Gender (male)		2244 (50.12%)	2375 (52.28%)	-0.043	766.5 (52.53%)	766.5 (52.53%)	0.000
Region / State							
Midwest / North central		1000 (22.34%)	1587 (34.93%)	-0.281	376.3 (25.79%)	376.3 (25.79%)	0.000
Northeast		629 (14.05%)	774 (17.04%)	-0.083	237.4 (16.27%)	237.4 (16.27%)	0.000
South		2496 (55.75%)	1939 (42.68%)	0.264	751.4 (51.49%)	751.4 (51.49%)	0.000
West		347 (7.75%)	235 (5.17%)	0.105	92.1 (6.31%)	92.1 (6.31%)	0.000
Lifestyle risk factors							
Smoking / Tobacco use		677 (15.12%)	723 (15.91%)	-0.022	226.3 (15.51%)	226.3 (15.51%)	0.000
Class 1 Obesity (30.0-34.9)		361 (8.06%)	666 (14.66%)	-0.209	154.2 (10.57%)	154.2 (10.57%)	0.000
Class 2 Obesity (35.0-39.9)		276 (6.16%)	345 (7.59%)	-0.056	99.8 (6.84%)	99.8 (6.84%)	0.000
Class 3 Obesity (40.0 and above)		2194 (49.01%)	1603 (35.29%)	0.281	621.5 (42.59%)	621.5 (42.59%)	0.000
Unspecified Obesity		1646 (36.77%)	1929 (42.46%)	-0.117	583.6 (39.99%)	583.6 (39.99%)	0.000
Diabetes complications							
Diabetic nephropathy		1005 (22.45%)	1246 (27.43%)	-0.115	341.5 (23.40%)	341.5 (23.40%)	0.000
Diabetic neuropathy		1217 (27.18%)	1378 (30.33%)	-0.070	405.3 (27.77%)	405.3 (27.77%)	0.000
Diabetic retinopathy		435 (9.72%)	488 (10.74%)	-0.034	141.2 (9.68%)	141.2 (9.68%)	0.000
Diabetes with other ophthalmic complications		97 (2.17%)	91 (2.00%)	0.011	29.0 (1.99%)	29.0 (1.99%)	0.000
Diabetes with peripheral circulatory disorders		630 (14.07%)	698 (15.36%)	-0.036	208.0 (14.26%)	208.0 (14.26%)	0.000
Diabetic foot		157 (3.51%)	190 (4.18%)	-0.035	55.7 (3.82%)	55.7 (3.82%)	0.000
Erectile dysfunction		191 (4.27%)	140 (3.08%)	0.063	54.5 (3.73%)	54.5 (3.73%)	0.000
Hyperglycemia / DKA / HONK		2677 (59.79%)	2475 (54.48%)	0.108	847.2 (58.06%)	847.2 (58.06%)	0.000
Hypoglycemia		832 (18.58%)	711 (15.65%)	0.078	244.5 (16.76%)	244.5 (16.76%)	0.000
Skin infections		648 (14.47%)	648 (14.26%)	0.006	205.3 (14.07%)	205.3 (14.07%)	0.000
Cardiovascular-related conditions							
Angina		591 (13.20%)	661 (14.55%)	-0.039	200.4 (13.74%)	200.4 (13.74%)	0.000
Atrial fibrillation		875 (19.54%)	1212 (26.68%)	-0.170	317.8 (21.78%)	317.8 (21.78%)	0.000
Cardiac conduction disorder		421 (9.40%)	556 (12.24%)	-0.091	146.4 (10.03%)	146.4 (10.03%)	0.000
Cardiomyopathy		774 (17.29%)	864 (19.02%)	-0.045	261.7 (17.93%)	261.7 (17.93%)	0.000
Cerebrovascular procedure		6 (0.13%)	17 (0.37%)	-0.048	3.2 (0.22%)	3.2 (0.22%)	0.000
Coronary atherosclerosis		1695 (37.86%)	1997 (43.96%)	-0.124	570.8 (39.12%)	570.8 (39.12%)	0.000
Edema		938 (20.95%)	1050 (23.11%)	-0.052	305.5 (20.94%)	305.5 (20.94%)	0.000
Hyperkalemia		165 (3.69%)	235 (5.17%)	-0.072	57.0 (3.91%)	57.0 (3.91%)	0.000
Hyperlipidemia		3736 (83.45%)	3865 (85.08%)	-0.045	1224.4 (83.91%)	1224.4 (83.91%)	0.000
Hypertension		4158 (92.87%)	4326 (95.22%)	-0.099	1376.8 (94.36%)	1376.8 (94.36%)	0.000
Hypotension		200 (4.47%)	291 (6.41%)	-0.086	68.1 (4.67%)	68.1 (4.67%)	0.000
Implantable cardioverter defibrillator		44 (0.98%)	56 (1.23%)	-0.024	16.6 (1.14%)	16.6 (1.14%)	0.000
Insertion of pacemakers / removal of cardiac lead		12 (0.27%)	31 (0.68%)	-0.060	5.8 (0.40%)	5.8 (0.40%)	0.000
Ischemic stroke		99 (2.21%)	223 (4.91%)	-0.146	43.2 (2.96%)	43.2 (2.96%)	0.000
Myocardial infarction		401 (8.96%)	503 (11.07%)	-0.070	142.4 (9.76%)	142.4 (9.76%)	0.000
Other cardiac dysrhythmia		1442 (32.21%)	1659 (36.52%)	-0.091	481.7 (33.01%)	481.7 (33.01%)	0.000
Peripheral vascular disease diagnosis or surgery		439 (9.81%)	631 (13.89%)	-0.127	160.5 (11.00%)	160.5 (11.00%)	0.000
Previous cardiac procedure (CABG, PTCA, Stent)		255 (5.70%)	275 (6.05%)	-0.015	86.6 (5.94%)	86.6 (5.94%)	0.000
Pulmonary hypertension		333 (7.44%)	368 (8.10%)	-0.025	106.7 (7.31%)	106.7 (7.31%)	0.000
Transient ischemic attack		105 (2.35%)	165 (3.63%)	-0.076	39.4 (2.70%)	39.4 (2.70%)	0.000
Valve disorders		949 (21.20%)	1168 (25.71%)	-0.107	334.9 (22.95%)	334.9 (22.95%)	0.000
Valve replacement		129 (2.88%)	177 (3.90%)	-0.056	44.8 (3.07%)	44.8 (3.07%)	0.000
Venous thromboembolism		195 (4.36%)	220 (4.84%)	-0.023	63.3 (4.34%)	63.3 (4.34%)	0.000
Renal-related conditions							
Acute kidney injury		515 (11.50%)	778 (17.13%)	-0.161	186.7 (12.79%)	186.7 (12.79%)	0.000
Chronic kidney disease stage 1-2		188 (4.20%)	225 (4.95%)	-0.036	62.6 (4.29%)	62.6 (4.29%)	0.000
Chronic kidney disease stage 3-4		645 (14.41%)	950 (20.91%)	-0.171	237.5 (16.27%)	237.5 (16.27%)	0.000
Unspecified chronic kidney disease		284 (6.34%)	440 (9.69%)	-0.123	104.9 (7.19%)	104.9 (7.19%)	0.000
Hypertensive nephropathy		643 (14.36%)	959 (21.11%)	-0.177	238.5 (16.34%)	238.5 (16.34%)	0.000
Urolithiasis (kidney and urinary stone)		222 (4.96%)	241 (5.30%)	-0.016	74.4 (5.10%)	74.4 (5.10%)	0.000

Urinary tract infections	592 (13.22%)	717 (15.78%)	-0.073	193.9 (13.29%)	193.9 (13.29%)	0.000
Genital infections	217 (4.85%)	193 (4.25%)	0.029	68.4 (4.69%)	68.4 (4.69%)	0.000
Other comorbidities						
Anemia	1117 (24.95%)	1368 (30.11%)	-0.116	378.7 (25.95%)	378.7 (25.95%)	0.000
Asthma	657 (14.68%)	601 (13.23%)	0.042	199.9 (13.70%)	199.9 (13.70%)	0.000
Chronic obstructive pulmonary disease	678 (15.14%)	999 (21.99%)	-0.177	261.1 (17.90%)	261.1 (17.90%)	0.000
Obstructive sleep apnea	2201 (49.16%)	1785 (39.29%)	0.200	648.4 (44.44%)	648.4 (44.44%)	0.000
Serious bacterial infections	379 (8.47%)	495 (10.90%)	-0.082	132.9 (9.11%)	132.9 (9.11%)	0.000
Pneumonia	474 (10.59%)	573 (12.61%)	-0.063	159.5 (10.93%)	159.5 (10.93%)	0.000
Influenza	74 (1.65%)	99 (2.18%)	-0.038	26.6 (1.82%)	26.6 (1.82%)	0.000
Delirium or psychosis	39 (0.87%)	94 (2.07%)	-0.100	17.9 (1.22%)	17.9 (1.22%)	0.000
Dementia	111 (2.48%)	272 (5.99%)	-0.175	48.0 (3.29%)	48.0 (3.29%)	0.000
Depression	922 (20.59%)	836 (18.40%)	0.055	270.3 (18.53%)	270.3 (18.53%)	0.000
Osteoporosis	100 (2.23%)	131 (2.88%)	-0.041	37.7 (2.58%)	37.7 (2.58%)	0.000
Fractures / Falls	207 (4.62%)	345 (7.59%)	-0.124	78.0 (5.35%)	78.0 (5.35%)	0.000
Hyperthyroidism and other thyroid gland disorders	1194 (26.67%)	1147 (25.25%)	0.032	362.3 (24.83%)	362.3 (24.83%)	0.000
Hypothyroidism	924 (20.64%)	922 (20.29%)	0.009	288.6 (19.78%)	288.6 (19.78%)	0.000
Gastroparesis	42 (0.94%)	34 (0.75%)	0.021	13.0 (0.89%)	13.0 (0.89%)	0.000
Bowel obstruction	11 (0.25%)	21 (0.46%)	-0.036	4.5 (0.31%)	4.5 (0.31%)	0.000
Liver disease	796 (17.78%)	769 (16.93%)	0.023	245.9 (16.85%)	245.9 (16.85%)	0.000
MASH/MASLD	450 (10.05%)	307 (6.76%)	0.119	122.9 (8.42%)	122.9 (8.42%)	0.000
Pancreatitis	15 (0.34%)	21 (0.46%)	-0.020	4.8 (0.33%)	4.8 (0.33%)	0.000
Biliary disease	26 (0.58%)	58 (1.28%)	-0.073	11.8 (0.81%)	11.8 (0.81%)	0.000
Urinary incontinence	162 (3.62%)	231 (5.08%)	-0.072	57.2 (3.92%)	57.2 (3.92%)	0.000
Diabetes medications						
Metformin	2937 (65.60%)	3219 (70.86%)	-0.113	1019.0 (69.83%)	1019.0 (69.83%)	0.000
Insulins	1848 (41.28%)	1164 (25.62%)	0.336	494.2 (33.87%)	494.2 (33.87%)	0.000
Dipeptidyl peptidase-4 inhibitors	136 (3.04%)	287 (6.32%)	-0.156	70.6 (4.84%)	70.6 (4.84%)	0.000
Sulfonylureas	960 (21.44%)	1621 (35.68%)	-0.319	403.0 (27.62%)	403.0 (27.62%)	0.000
Sodium-glucose cotransporter 2 inhibitors	1406 (31.40%)	747 (16.44%)	0.356	361.0 (24.74%)	361.0 (24.74%)	0.000
Any other glucose-lowering agents	260 (5.81%)	371 (8.17%)	-0.093	101.5 (6.96%)	101.5 (6.96%)	0.000
Heart failure medications						
Angiotensin-converting enzyme inhibitors / Angiotensin II receptor blo	3180 (71.03%)	3375 (74.29%)	-0.073	1068.7 (73.24%)	1068.7 (73.24%)	0.000
Angiotensin Receptor-Nepilysin Inhibitors	330 (7.37%)	224 (4.93%)	0.102	86.9 (5.96%)	86.9 (5.96%)	0.000
Beta-blockers	2170 (48.47%)	2320 (51.07%)	-0.052	710.3 (48.68%)	710.3 (48.68%)	0.000
Calcium channel blockers	1711 (38.22%)	1878 (41.34%)	-0.064	577.8 (39.60%)	577.8 (39.60%)	0.000
Digoxin / Digitoxin	93 (2.08%)	161 (3.54%)	-0.089	35.4 (2.42%)	35.4 (2.42%)	0.000
Loop diuretics	2235 (49.92%)	2411 (53.07%)	-0.063	726.1 (49.76%)	726.1 (49.76%)	0.000
Thiazides	1507 (33.66%)	1505 (33.13%)	0.011	492.5 (33.75%)	492.5 (33.75%)	0.000
Intravenous diuretics	165 (3.69%)	185 (4.07%)	-0.020	51.8 (3.55%)	51.8 (3.55%)	0.000
Other diuretics	989 (22.09%)	861 (18.95%)	0.078	295.3 (20.24%)	295.3 (20.24%)	0.000
Nitrates	637 (14.23%)	735 (16.18%)	-0.054	213.5 (14.63%)	213.5 (14.63%)	0.000
Other medications						
Anti-arrhythmics	275 (6.14%)	333 (7.33%)	-0.047	97.9 (6.71%)	97.9 (6.71%)	0.000
Anti-depressants	1813 (40.50%)	1514 (33.33%)	0.149	532.2 (36.47%)	532.2 (36.47%)	0.000
Antiplatelet agents	1029 (22.98%)	1095 (24.10%)	-0.026	344.2 (23.59%)	344.2 (23.59%)	0.000
Antipsychotics	185 (4.13%)	158 (3.48%)	0.034	51.8 (3.55%)	51.8 (3.55%)	0.000
Anxiolytics / hypnotics, benzos	1097 (24.50%)	902 (19.85%)	0.112	321.6 (22.04%)	321.6 (22.04%)	0.000
COPD / Asthma medications	1962 (43.82%)	1850 (40.72%)	0.063	597.7 (40.96%)	597.7 (40.96%)	0.000
Laxatives	190 (4.24%)	207 (4.56%)	-0.015	61.6 (4.22%)	61.6 (4.22%)	0.000
Nonsteroidal anti-inflammatory drugs	1480 (33.06%)	1334 (29.36%)	0.080	472.3 (32.37%)	472.3 (32.37%)	0.000
Opioids	1648 (36.81%)	1661 (36.56%)	0.005	531.9 (36.45%)	531.9 (36.45%)	0.000
Oral anticoagulants	1017 (22.72%)	1214 (26.72%)	-0.093	348.7 (23.90%)	348.7 (23.90%)	0.000
Oral corticosteroids	1558 (34.80%)	1508 (33.19%)	0.034	483.7 (33.15%)	483.7 (33.15%)	0.000
Osteoporosis agents	73 (1.63%)	102 (2.25%)	-0.045	22.9 (1.57%)	22.9 (1.57%)	0.000
Statins	3419 (76.37%)	3533 (77.77%)	-0.033	1120.2 (76.77%)	1120.2 (76.77%)	0.000
PCSK9 inhibitors and other lipid-lowering drugs	720 (16.08%)	688 (15.14%)	0.026	228.9 (15.69%)	228.9 (15.69%)	0.000
Urinary tract infections antibiotics	2373 (53.00%)	2386 (52.52%)	0.010	754.8 (51.73%)	754.8 (51.73%)	0.000
Healthcare utilization markers						
Number of office visits	12.44 ± 8.17 [10.00, 7.00-16.00]	11.35 ± 8.18 [10.00, 6.00-15.00]	0.133	11.69 ± 7.58 [10.00, 6.00-15.00]	11.69 ± 8.53 [10.00, 6.00-15.00]	0.000

Number of cardiologist visits	3.42 ± 5.08 [2.00, 0.00-5.00]	3.80 ± 5.43 [2.00, 0.00-5.00]	-0.072	3.47 ± 4.93 [2.00, 0.00-5.00]	3.47 ± 5.03 [2.00, 0.00-5.00]	0.000
Number of endocrinologist visits	0.75 ± 1.88 [0.00, 0.00-1.00]	0.44 ± 1.75 [0.00, 0.00-0.00]	0.173	0.60 ± 1.46 [0.00, 0.00-0.00]	0.60 ± 2.25 [0.00, 0.00-0.00]	0.000
Number of internal/family medicine visits	7.51 ± 8.56 [5.00, 3.00-10.00]	9.48 ± 11.06 [6.00, 3.00-12.00]	-0.200	7.89 ± 9.71 [5.00, 3.00-10.00]	7.89 ± 9.07 [6.00, 3.00-10.00]	0.000
Number of emergency department visits	1.24 ± 2.25 [1.00, 0.00-2.00]	1.53 ± 2.60 [1.00, 0.00-2.00]	-0.116	1.27 ± 2.28 [1.00, 0.00-2.00]	1.27 ± 2.14 [1.00, 0.00-2.00]	0.000
Number of echocardiograms	1.78 ± 4.69 [0.00, 0.00-1.00]	2.37 ± 5.20 [1.00, 0.00-2.00]	-0.120	1.98 ± 5.37 [0.00, 0.00-1.00]	1.98 ± 4.76 [0.00, 0.00-1.00]	0.000
Number electrocardiograms	3.16 ± 5.71 [1.00, 0.00-4.00]	4.23 ± 7.62 [2.00, 1.00-5.00]	-0.159	3.43 ± 6.54 [1.00, 0.00-4.00]	3.43 ± 6.36 [1.00, 0.00-4.00]	0.000
Number of distinct medications	17.63 ± 7.50 [17.00, 12.00-22.00]	16.42 ± 7.13 [15.00, 11.00-20.00]	0.165	16.87 ± 7.07 [16.00, 12.00-21.00]	16.87 ± 7.56 [16.00, 12.00-21.00]	0.000
Out-of-pocket medication cost	660.17 ± 878.33 [423.80, 184.93-854.00]	524.96 ± 597.30 [361.61, 180.15-670.00]	0.180	579.97 ± 700.66 [385.20, 177.07-750.00]	579.97 ± 686.60 [381.66, 178.12-755.00]	0.000
Number of unique brand medications*	18.03 ± 7.76 [17.00, 13.00-22.00]	16.81 ± 7.43 [16.00, 12.00-21.00]	0.161	17.25 ± 7.32 [16.00, 12.00-21.00]	17.27 ± 7.87 [16.00, 12.00-22.00]	-0.002
Number of unique generic medications*	17.63 ± 7.50 [17.00, 12.00-22.00]	16.42 ± 7.13 [15.00, 11.00-20.00]	0.165	16.87 ± 7.07 [16.00, 12.00-21.00]	16.87 ± 7.56 [16.00, 12.00-21.00]	0.000
Ratio of brand to generic medications	1.02 ± 0.04 [1.00, 1.00-1.04]	1.02 ± 0.04 [1.00, 1.00-1.04]	0.004	1.02 ± 0.04 [1.00, 1.00-1.04]	1.02 ± 0.04 [1.00, 1.00-1.04]	0.000
Healthy behavior markers						
Colonoscopy, Sigmoidoscopy	486 (10.86%)	407 (8.96%)	0.064	137.0 (9.39%)	137.0 (9.39%)	0.000
Bone mineral density tests	174 (3.89%)	176 (3.87%)	0.001	57.5 (3.94%)	57.5 (3.94%)	0.000
Fecal occult blood test	162 (3.62%)	236 (5.19%)	-0.077	60.4 (4.14%)	60.4 (4.14%)	0.000
Flu vaccine / Pneumococcal vaccine	1477 (32.99%)	1642 (36.14%)	-0.066	491.0 (33.65%)	491.0 (33.65%)	0.000
Mammograms	937 (20.93%)	643 (14.15%)	0.179	258.5 (17.71%)	258.5 (17.71%)	0.000
PSA test	895 (19.99%)	849 (18.69%)	0.033	301.2 (20.64%)	301.2 (20.64%)	0.000
Pap smear	401 (8.96%)	220 (4.84%)	0.163	96.2 (6.60%)	96.2 (6.60%)	0.000
Laboratory and diagnostic tests						
Number of HbA1c tests	2.33 ± 1.79 [2.00, 1.00-3.00]	2.01 ± 2.10 [2.00, 1.00-3.00]	0.164	2.22 ± 1.76 [2.00, 1.00-3.00]	2.22 ± 2.13 [2.00, 1.00-3.00]	0.000
Number of creatinine tests	3.55 ± 4.56 [2.00, 1.00-4.00]	3.35 ± 5.05 [2.00, 1.00-4.00]	0.040	3.46 ± 4.90 [2.00, 1.00-4.00]	3.46 ± 4.86 [2.00, 1.00-4.00]	0.000
Number of urine tests	1.25 ± 2.43 [1.00, 0.00-2.00]	1.27 ± 2.88 [1.00, 0.00-2.00]	-0.004	1.25 ± 2.54 [1.00, 0.00-2.00]	1.25 ± 2.81 [1.00, 0.00-2.00]	0.000
Number of lipid panels	1.62 ± 1.69 [1.00, 1.00-2.00]	1.42 ± 1.74 [1.00, 0.00-2.00]	0.114	1.57 ± 1.97 [1.00, 1.00-2.00]	1.57 ± 1.77 [1.00, 1.00-2.00]	0.000
Burden of comorbidities						
Combined comorbidity index (CCI)	3.40 ± 2.38 [3.00, 2.00-5.00]	4.06 ± 2.69 [4.00, 2.00-6.00]	-0.259	3.57 ± 2.46 [3.00, 2.00-5.00]	3.57 ± 2.48 [3.00, 2.00-5.00]	0.000
Frailty score	0.18 ± 0.05 [0.18, 0.15-0.21]	0.20 ± 0.06 [0.19, 0.16-0.23]	-0.293	0.19 ± 0.05 [0.18, 0.15-0.21]	0.19 ± 0.05 [0.18, 0.15-0.22]	0.000
Baseline hospitalizations and hospital metrics						
Number of any hospitalization	0.41 ± 0.80 [0.00, 0.00-1.00]	0.58 ± 0.97 [0.00, 0.00-1.00]	-0.191	0.45 ± 0.85 [0.00, 0.00-1.00]	0.45 ± 0.85 [0.00, 0.00-1.00]	0.000
Number of heart failure hospitalizations						
Zero	4289 (95.80%)	4207 (92.60%)	0.137	1387.8 (95.11%)	1387.8 (95.11%)	0.000
One	163 (3.64%)	300 (6.60%)	-0.135	63.8 (4.37%)	63.8 (4.37%)	0.000
Two or more	25 (0.56%)	36 (0.79%)	-0.029	7.6 (0.52%)	7.6 (0.52%)	0.000
Number of other hospitalizations						
Zero	3196 (71.39%)	2849 (62.71%)	0.185	1005.9 (68.94%)	1005.9 (68.94%)	0.000
One	929 (20.75%)	1120 (24.65%)	-0.093	320.7 (21.98%)	320.7 (21.98%)	0.000
Two or more	352 (7.86%)	574 (12.63%)	-0.158	132.5 (9.08%)	132.5 (9.08%)	0.000
Calendar year of cohort entry						
2018	136 (3.04%)	1010 (22.23%)	-0.603	104.6 (7.17%)	104.6 (7.17%)	0.000
2019	570 (12.73%)	1148 (25.27%)	-0.324	295.8 (20.27%)	295.8 (20.27%)	0.000
2020	724 (16.17%)	958 (21.09%)	-0.126	314.9 (21.58%)	314.9 (21.58%)	0.000
2021	1189 (26.56%)	815 (17.94%)	0.208	374.9 (25.69%)	374.9 (25.69%)	0.000
2022	1858 (41.50%)	612 (13.47%)	0.661	368.9 (25.28%)	368.9 (25.28%)	0.000

* Not used in the PS model

Appendix 7. Balance Assessment - Table 1

Medicare	Exposure	Referent	SMD	Weighted Exposure	Weighted Referent	Weighted SMD
Variable						
Demographics						
Age	72.59 ± 5.13 [72.00, 69.00-76.00]	75.05 ± 6.37 [74.00, 70.00-79.00]	-0.426	73.20 ± 5.35 [72.00, 69.00-77.00]	73.20 ± 5.35 [72.00, 69.00-77.00]	0.000
Gender (male)	1999 (49.65%)	5898 (41.87%)	0.157	1096.3 (46.89%)	1096.3 (46.89%)	0.000
Race						
White	3346 (83.11%)	10949 (77.73%)	0.136	1913.0 (81.82%)	1913.0 (81.82%)	0.000
Black	390 (9.69%)	1921 (13.64%)	-0.123	249.1 (10.65%)	249.1 (10.65%)	0.000
Other	170 (4.22%)	839 (5.96%)	-0.079	111.4 (4.76%)	111.4 (4.76%)	0.000
Unknown / Missing	120 (2.98%)	377 (2.68%)	0.018	64.5 (2.76%)	64.5 (2.76%)	0.000
Region / State						
Midwest / North central	1008 (25.04%)	3239 (22.99%)	0.048	562.2 (24.05%)	562.2 (24.05%)	0.000
Northest	638 (15.85%)	2558 (18.16%)	-0.062	377.1 (16.13%)	377.1 (16.13%)	0.000
South	1836 (45.60%)	6087 (43.21%)	0.048	1056.6 (45.19%)	1056.6 (45.19%)	0.000
West	542 (13.46%)	2180 (15.48%)	-0.057	340.6 (14.57%)	340.6 (14.57%)	0.000
Dual status/Low income subsidy	1102 (27.37%)	4676 (33.20%)	-0.127	692.2 (29.61%)	692.2 (29.61%)	0.000
Lifestyle risk factors						
Smoking / Tobacco use	1468 (36.46%)	5185 (36.81%)	-0.007	860.0 (36.79%)	860.0 (36.79%)	0.000
Class 1 Obesity (30.0-34.9)	351 (8.72%)	1815 (12.89%)	-0.135	233.0 (9.97%)	233.0 (9.97%)	0.000
Class 2 Obesity (35.0-39.9)	246 (6.11%)	815 (5.79%)	0.014	144.7 (6.19%)	144.7 (6.19%)	0.000
Class 3 Obesity (40.0 and above)	1599 (39.72%)	4120 (29.25%)	0.222	841.2 (35.98%)	841.2 (35.98%)	0.000
Unspecified Obesity	1830 (45.45%)	7336 (52.08%)	-0.133	1119.0 (47.86%)	1119.0 (47.86%)	0.000
Diabetes complications						
Diabetic nephropathy	1687 (41.90%)	5397 (38.31%)	0.073	925.6 (39.59%)	925.6 (39.59%)	0.000
Diabetic neuropathy	1728 (42.92%)	4817 (34.20%)	0.180	917.0 (39.22%)	917.0 (39.22%)	0.000
Diabetic retinopathy	638 (15.85%)	1561 (11.08%)	0.140	316.3 (13.53%)	316.3 (13.53%)	0.000
Diabetes with other ophthalmic complications	111 (2.76%)	406 (2.88%)	-0.008	65.2 (2.79%)	65.2 (2.79%)	0.000
Diabetes with peripheral circulatory disorders	808 (20.07%)	2413 (17.13%)	0.076	431.1 (18.44%)	431.1 (18.44%)	0.000
Diabetic foot	231 (5.74%)	647 (4.59%)	0.052	118.9 (5.09%)	118.9 (5.09%)	0.000
Erectile dysfunction	81 (2.01%)	205 (1.46%)	0.043	41.9 (1.79%)	41.9 (1.79%)	0.000
Hyperglycemia / DKA / HONK	2456 (61.00%)	7086 (50.31%)	0.217	1326.1 (56.72%)	1326.1 (56.72%)	0.000
Hypoglycemia	681 (16.92%)	2051 (14.56%)	0.065	374.5 (16.02%)	374.5 (16.02%)	0.000
Skin infections	660 (16.39%)	2158 (15.32%)	0.029	364.3 (15.58%)	364.3 (15.58%)	0.000
Cardiovascular-related conditions						
Angina	646 (16.05%)	2075 (14.73%)	0.036	359.7 (15.38%)	359.7 (15.38%)	0.000
Atrial fibrillation	1420 (35.27%)	5216 (37.03%)	-0.037	830.2 (35.51%)	830.2 (35.51%)	0.000
Cardiac conduction disorder	640 (15.90%)	2180 (15.48%)	0.012	368.2 (15.75%)	368.2 (15.75%)	0.000
Cardiomyopathy	615 (15.28%)	2077 (14.75%)	0.015	347.7 (14.87%)	347.7 (14.87%)	0.000
Cerebrovascular procedure	18 (0.45%)	68 (0.48%)	-0.005	10.3 (0.44%)	10.3 (0.44%)	0.000
Coronary atherosclerosis	2223 (55.22%)	7718 (54.79%)	0.009	1274.4 (54.51%)	1274.4 (54.51%)	0.000
Edema	1041 (25.86%)	3597 (25.54%)	0.007	589.9 (25.23%)	589.9 (25.23%)	0.000
Hyperkalemia	91 (2.26%)	374 (2.66%)	-0.025	54.2 (2.32%)	54.2 (2.32%)	0.000
Hyperlipidemia	3292 (81.77%)	11391 (80.87%)	0.023	1892.6 (80.95%)	1892.6 (80.95%)	0.000
Hypertension	3785 (94.01%)	13288 (94.33%)	-0.014	2196.6 (93.95%)	2196.6 (93.95%)	0.000
Hypotension	255 (6.33%)	1055 (7.49%)	-0.046	153.6 (6.57%)	153.6 (6.57%)	0.000
Implantable cardioverter defibrillator	54 (1.34%)	169 (1.20%)	0.013	29.5 (1.26%)	29.5 (1.26%)	0.000
Insertion of pacemakers / removal of cardiac lead	43 (1.07%)	152 (1.08%)	-0.001	23.7 (1.01%)	23.7 (1.01%)	0.000
Ischemic stroke	85 (2.11%)	471 (3.34%)	-0.076	54.7 (2.34%)	54.7 (2.34%)	0.000
Myocardial infarction	657 (16.32%)	2403 (17.06%)	-0.020	376.9 (16.12%)	376.9 (16.12%)	0.000
Other cardiac dysrhythmia	1463 (36.34%)	5508 (39.10%)	-0.057	854.4 (36.55%)	854.4 (36.55%)	0.000
Peripheral vascular disease diagnosis or surgery	747 (18.55%)	2511 (17.83%)	0.019	432.8 (18.51%)	432.8 (18.51%)	0.000
Previous cardiac procedure (CABG, PTCA, Stent)	248 (6.16%)	798 (5.67%)	0.021	139.6 (5.97%)	139.6 (5.97%)	0.000
Pulmonary hypertension	380 (9.44%)	1535 (10.90%)	-0.048	228.7 (9.78%)	228.7 (9.78%)	0.000
Transient ischemic attack	126 (3.13%)	508 (3.61%)	-0.026	74.1 (3.17%)	74.1 (3.17%)	0.000
Valve disorders	1006 (24.99%)	3846 (27.30%)	-0.053	589.6 (25.22%)	589.6 (25.22%)	0.000
Valve replacement	246 (6.11%)	840 (5.96%)	0.006	139.2 (5.96%)	139.2 (5.96%)	0.000
Venous thromboembolism	178 (4.42%)	653 (4.64%)	-0.010	106.4 (4.55%)	106.4 (4.55%)	0.000
Renal-related conditions						
Acute kidney injury	747 (18.55%)	3079 (21.86%)	-0.082	451.5 (19.31%)	451.5 (19.31%)	0.000
Chronic kidney disease stage 1-2	247 (6.14%)	781 (5.54%)	0.025	136.4 (5.83%)	136.4 (5.83%)	0.000
Chronic kidney disease stage 3-4	1434 (35.62%)	4605 (32.69%)	0.062	787.7 (33.69%)	787.7 (33.69%)	0.000
Unspecified chronic kidney disease	729 (18.11%)	2458 (17.45%)	0.017	406.0 (17.37%)	406.0 (17.37%)	0.000
Hypertensive nephropathy	1341 (33.31%)	4582 (32.53%)	0.017	751.2 (32.13%)	751.2 (32.13%)	0.000
Urolithiasis (kidney and urinary stone)	211 (5.24%)	704 (5.00%)	0.011	118.2 (5.05%)	118.2 (5.05%)	0.000
Urinary tract infections	852 (21.16%)	3590 (25.49%)	-0.102	524.4 (22.43%)	524.4 (22.43%)	0.000
Genital infections	102 (2.53%)	390 (2.77%)	-0.015	62.7 (2.68%)	62.7 (2.68%)	0.000

Other comorbidities						
Anemia	1396 (34.67%)	5394 (38.29%)	-0.075	821.2 (35.13%)	821.2 (35.13%)	0.000
Asthma	571 (14.18%)	2136 (15.16%)	-0.028	342.6 (14.65%)	342.6 (14.65%)	0.000
Chronic obstructive pulmonary disease	1229 (30.53%)	4586 (32.56%)	-0.044	731.1 (31.27%)	731.1 (31.27%)	0.000
Obstructive sleep apnea	1816 (45.11%)	4776 (33.91%)	0.231	970.2 (41.50%)	970.2 (41.50%)	0.000
Serious bacterial infections	306 (7.60%)	1395 (9.90%)	-0.082	190.5 (8.15%)	190.5 (8.15%)	0.000
Pneumonia	456 (11.33%)	1912 (13.57%)	-0.068	281.9 (12.06%)	281.9 (12.06%)	0.000
Influenza	111 (2.76%)	501 (3.56%)	-0.046	68.5 (2.93%)	68.5 (2.93%)	0.000
Delirium or psychosis	60 (1.49%)	344 (2.44%)	-0.069	41.6 (1.78%)	41.6 (1.78%)	0.000
Dementia	237 (5.89%)	1277 (9.07%)	-0.121	153.4 (6.56%)	153.4 (6.56%)	0.000
Depression	872 (21.66%)	2862 (20.32%)	0.033	499.8 (21.38%)	499.8 (21.38%)	0.000
Osteoporosis	263 (6.53%)	1032 (7.33%)	-0.031	159.0 (6.80%)	159.0 (6.80%)	0.000
Fractures / Falls	177 (4.40%)	591 (4.20%)	0.010	99.7 (4.27%)	99.7 (4.27%)	0.000
Hyperthyroidism and other thyroid gland disorders	1309 (32.51%)	4410 (31.31%)	0.026	741.1 (31.70%)	741.1 (31.70%)	0.000
Hypothyroidism	1060 (26.33%)	3648 (25.90%)	0.010	602.3 (25.76%)	602.3 (25.76%)	0.000
Gastroparesis	42 (1.04%)	143 (1.02%)	0.003	24.5 (1.05%)	24.5 (1.05%)	0.000
Bowel obstruction	5 (0.12%)	45 (0.32%)	-0.042	3.9 (0.17%)	3.9 (0.17%)	0.000
Liver disease	532 (13.21%)	1661 (11.79%)	0.043	297.0 (12.70%)	297.0 (12.70%)	0.000
MASH/MASLD	237 (5.89%)	683 (4.85%)	0.046	129.8 (5.55%)	129.8 (5.55%)	0.000
Pancreatitis	7 (0.17%)	44 (0.31%)	-0.028	4.8 (0.21%)	4.8 (0.21%)	0.000
Biliary disease	7 (0.17%)	70 (0.50%)	-0.056	4.9 (0.21%)	4.9 (0.21%)	0.000
Urinary incontinence	290 (7.20%)	1054 (7.48%)	-0.011	169.8 (7.26%)	169.8 (7.26%)	0.000
Diabetes medications						
Metformin	2220 (55.14%)	9064 (64.35%)	-0.189	1386.5 (59.31%)	1386.5 (59.31%)	0.000
Insulins	2389 (59.34%)	4357 (30.93%)	0.596	1149.7 (49.17%)	1149.7 (49.17%)	0.000
Dipeptidyl peptidase-4 inhibitors	311 (7.72%)	834 (5.92%)	0.072	178.2 (7.62%)	178.2 (7.62%)	0.000
Sulfonylureas	1296 (32.19%)	5964 (42.34%)	-0.211	850.5 (36.38%)	850.5 (36.38%)	0.000
Sodium-glucose cotransporter 2 inhibitors	760 (18.88%)	1212 (8.60%)	0.302	349.1 (14.93%)	349.1 (14.93%)	0.000
Any other glucose-lowering agents	368 (9.14%)	1430 (10.15%)	-0.034	222.3 (9.51%)	222.3 (9.51%)	0.000
Heart failure medications						
Angiotensin-converting enzyme inhibitors / Angiotensin II receptor blockers	3002 (74.57%)	10565 (75.00%)	-0.010	1743.7 (74.58%)	1743.7 (74.58%)	0.000
Angiotensin Receptor-Nepriylsin Inhibitors	145 (3.60%)	374 (2.66%)	0.054	77.1 (3.30%)	77.1 (3.30%)	0.000
Beta-blockers	2247 (55.81%)	7848 (55.71%)	0.002	1296.7 (55.46%)	1296.7 (55.46%)	0.000
Calcium channel blockers	1729 (42.95%)	6322 (44.88%)	-0.039	1019.8 (43.62%)	1019.8 (43.62%)	0.000
Digoxin / Digitoxin	172 (4.27%)	724 (5.14%)	-0.041	102.9 (4.40%)	102.9 (4.40%)	0.000
Loop diuretics	2695 (66.94%)	9217 (65.43%)	0.032	1536.0 (65.70%)	1536.0 (65.70%)	0.000
Thiazides	1267 (31.47%)	4458 (31.65%)	-0.004	739.3 (31.62%)	739.3 (31.62%)	0.000
Intravenous diuretics	244 (6.06%)	949 (6.74%)	-0.028	144.0 (6.16%)	144.0 (6.16%)	0.000
Other diuretics	828 (20.57%)	2501 (17.76%)	0.071	443.0 (18.95%)	443.0 (18.95%)	0.000
Nitrates	921 (22.88%)	3046 (21.62%)	0.030	519.5 (22.22%)	519.5 (22.22%)	0.000
Other medications						
Anti-arrhythmics	342 (8.49%)	1301 (9.24%)	-0.026	200.2 (8.56%)	200.2 (8.56%)	0.000
Anti-depressants	1840 (45.70%)	5544 (39.36%)	0.129	1025.6 (43.87%)	1025.6 (43.87%)	0.000
Antiplatelet agents	1043 (25.91%)	3495 (24.81%)	0.025	592.0 (25.32%)	592.0 (25.32%)	0.000
Antipsychotics	185 (4.60%)	640 (4.54%)	0.002	107.3 (4.59%)	107.3 (4.59%)	0.000
Anxiolytics/hypnotics, benzos	998 (24.79%)	3398 (24.12%)	0.015	576.0 (24.64%)	576.0 (24.64%)	0.000
COPD / Asthma medications	1872 (46.50%)	6473 (45.95%)	0.011	1087.6 (46.52%)	1087.6 (46.52%)	0.000
Laxatives	245 (6.09%)	1017 (7.22%)	-0.046	144.2 (6.17%)	144.2 (6.17%)	0.000
Nonsteroidal anti-inflammatory drugs	1151 (28.59%)	4036 (28.65%)	-0.001	672.7 (28.77%)	672.7 (28.77%)	0.000
Opioids	1849 (45.93%)	6107 (43.36%)	0.052	1051.3 (44.97%)	1051.3 (44.97%)	0.000
Oral anticoagulants	1370 (34.03%)	4706 (33.41%)	0.013	786.1 (33.63%)	786.1 (33.63%)	0.000
Oral corticosteroids	1447 (35.94%)	5081 (36.07%)	-0.003	837.1 (35.81%)	837.1 (35.81%)	0.000
Osteoporosis agents	169 (4.20%)	602 (4.27%)	-0.004	100.5 (4.30%)	100.5 (4.30%)	0.000
Statins	3406 (84.60%)	11575 (82.17%)	0.065	1962.8 (83.95%)	1962.8 (83.95%)	0.000
PCSK9 inhibitors and other lipid-lowering drugs	741 (18.41%)	2017 (14.32%)	0.111	390.7 (16.71%)	390.7 (16.71%)	0.000
Urinary tract infections antibiotics	2478 (61.55%)	8506 (60.39%)	0.024	1424.1 (60.91%)	1424.1 (60.91%)	0.000
Healthcare utilization markers						
Number of office visits	16.34 ± 9.49 [15.00, 10.00-21.00]	14.35 ± 9.15 [13.00, 8.00-19.00]	0.214	15.52 ± 8.92 [14.00, 9.00-21.00]	15.52 ± 10.38 [14.00, 9.00-20.00]	0.000
Number of cardiologist visits	3.63 ± 4.75 [2.00, 0.00-5.00]	3.82 ± 4.72 [2.00, 1.00-5.00]	-0.040	3.60 ± 4.65 [2.00, 0.00-5.00]	3.60 ± 4.46 [2.00, 0.00-5.00]	0.000
Number of endocrinologist visits	1.07 ± 2.24 [0.00, 0.00-1.00]	0.42 ± 1.38 [0.00, 0.00-0.00]	0.349	0.74 ± 1.63 [0.00, 0.00-1.00]	0.74 ± 2.27 [0.00, 0.00-0.00]	0.000
Number of internal/family medicine visits	7.62 ± 7.49 [6.00, 3.00-10.00]	8.08 ± 7.60 [6.00, 3.00-11.00]	-0.061	7.59 ± 7.41 [6.00, 3.00-10.00]	7.59 ± 7.37 [6.00, 3.00-10.00]	0.000
Number of emergency department visits	1.38 ± 2.24 [1.00, 0.00-2.00]	1.71 ± 2.64 [1.00, 0.00-2.00]	-0.133	1.46 ± 2.47 [1.00, 0.00-2.00]	1.46 ± 2.23 [1.00, 0.00-2.00]	0.000
Number of echocardiograms	0.91 ± 1.35 [1.00, 0.00-1.00]	0.99 ± 2.24 [1.00, 0.00-1.00]	-0.048	0.91 ± 1.37 [1.00, 0.00-1.00]	0.91 ± 1.90 [1.00, 0.00-1.00]	0.000
Number electrocardiograms	2.83 ± 4.02 [2.00, 1.00-4.00]	3.12 ± 4.86 [2.00, 1.00-4.00]	-0.067	2.85 ± 3.91 [2.00, 1.00-4.00]	2.85 ± 4.18 [2.00, 1.00-4.00]	0.000
Number of distinct medications	18.98 ± 7.04 [18.00, 14.00-23.00]	17.46 ± 7.02 [17.00, 13.00-21.00]	0.217	18.40 ± 6.93 [18.00, 14.00-22.00]	18.40 ± 7.30 [18.00, 13.00-23.00]	0.000
Out-of-pocket medication cost	1174.47 ± 1301.92 [823.63, 169.23-1894.86]	808.33 ± 970.05 [503.21, 115.00-1186.51]	0.319	1012.75 ± 1055.49 [688.76, 149.37-1548.12]	1012.75 ± 1167.75 [700.74, 143.46-1535.23]	0.000
Number of unique brand medications*	19.49 ± 7.37 [19.00, 14.00-24.00]	17.86 ± 7.32 [17.00, 13.00-22.00]	0.221	18.88 ± 7.24 [18.00, 14.00-23.00]	18.88 ± 7.63 [18.00, 14.00-23.00]	-0.001
Number of unique generic medications*	18.98 ± 7.04 [18.00, 14.00-23.00]	17.46 ± 7.02 [17.00, 13.00-21.00]	0.217	18.40 ± 6.93 [18.00, 14.00-22.00]	18.40 ± 7.30 [18.00, 13.00-23.00]	0.000

	Variable_name	Details	
Demographics	Age		
	Gender		
	Race*		
	Region/State		
	Dual status / Low income subsidy**		
Lifestyle risk factors	Smoking / Tobacco use		
	Class 1 (low-risk) obesity, if BMI is 30.0 to 34.9		
	Class 2 (moderate-risk) obesity, if BMI is 35.0 to 39.9		
	Class 3 (high-risk) obesity if BMI is equal to or greater than 40		
Diabetes complications	Unspecified obesity		
	Diabetic retinopathy		
	Diabetic neuropathy		
	Diabetic nephropathy		
	Diabetes with other ophthalmic complications		
	Diabetes with peripheral circulatory disorders		
	Diabetic foot		
	Erectile dysfunction		
	Hypoglycemia		
	Hyperglycemia/DKA/HONK		
	Skin infections		
Cardiovascular-related conditions	Angina		
	Hypertension		
	Hypotension		
	Hyperlipidemia		
	Atrial fibrillation		
	Myocardial infarction		
	Cerebrovascular procedure		
	Coronary atherosclerosis		
	Cardiac conduction disorder		
	Previous cardiac procedure (CABG, PTCA, Stent)		
	Ischemic stroke		
	PVD diagnosis or surgery		
	Other cardiac dysrhythmia		
	Cardiomyopathy		
	Valve disorders		
	Valve replacement***		
	TIA		
	Edema		
	Venous thromboembolism		
	Pulmonary hypertension		
	Insertion of pacemakers / removal of cardiac lead		
	Implantable cardioverter defibrillator		
	Hyperkalemia		
	Renal-related conditions	CKD stage 1-2	
		CKD stage 3-4	
		Unspecified CKD	
		Acute kidney injury	
Urolithiasis (kidney or urinary stones)			
Hypertensive nephropathy			
Urinary tract infections			
Other comorbidities	Genital infections		
	COPD		
	Asthma		
	Serious bacterial infections		
	Obstructive sleep apnea		
	Pneumonia		
	Liver disease		
	MASH/MASLD		
	Hyperthyroidism and other thyroid gland disorders		
	Hypothyroidism		
	Fractures / Falls		
	Osteoporosis		
	Depression		
	Dementia		
	Delirium or psychosis		
	Anemia		
	Influenza		
	Urinary incontinence		
	Biliary disease		
	Pancreatitis		
Bowel obstruction			
Gastroparesis			
Diabetes medications	Metformin		

	Insulin	
	Sulfonylureas	
	DPP4i (except sitagliptin)	
	SGLT2i	
	Other glucose-lowering drugs	
Heart failure medications	ACEi / ARB	
	ARNI	
	Thiazides	
	Beta-Blockers	
	Calcium channel blockers	
	Digoxin / Digitoxin	
	Loop diuretics	
	Other diuretics	
	Intravenous diuretics	
Other medications	Nitrates	
	Anti-arrhythmics	
	Statins	
	PCSK9 inhibitors and other lipid-lowering drugs	
	Antiplatelet agents	
	Oral anticoagulants	
	COPD/Asthma medication	
	NSAIDs	
	Oral corticosteroids	
	Osteoporosis agents (incl. bisphosphonates)	
	Opioids	
	Anti-depressants	
	Antipsychotics	
	Anxiolytics/hypnotics, benzodiazepines	
	Urinary tract infections antibiotics	
	Laxatives	
Healthcare utilization markers	Number of distinct medications, median (iqr), mean (sd)	
	Number of emergency department visit median (iqr), mean (sd)	
	Number of office visits median (iqr), mean (sd)	
	Number of endocrinologist visits, median (iqr), mean (sd)	
	Number of cardiologist visits, median (iqr), mean (sd)	
	Number of internal medicine/family medicine visits, median (iqr), mean (sd)	
	Number of electrocardiograms, median (iqr), mean (sd)	
	Number of echocardiograms, median (iqr), mean (sd)	
	Pharmacy out-of-pocket cost, median (iqr), mean (sd)	
	Unique brand medications, median (iqr), mean (sd)***	
	Unique generic medications, median (iqr), mean (sd)***	
	Ratio of unique brand to generic medications, median (iqr), mean (sd)	
Healthy behavior markers	Colonoscopy, Sigmoidoscopy	
	Flu vaccine / Pneumococcal vaccine	
	Pap smear	
	PSA test	
	Fecal Occult Blood Test	
	Bone mineral density tests	
	Mammograms	
Laboratory and diagnostic tests	Number of HbA1c tests, median (iqr), mean (sd)	
	Number of Lipid panels, median (iqr), mean (sd)	
	Number of Creatinine tests, median (iqr), mean (sd)	
	Number of Urine tests, median (iqr), mean (sd)	
Lab values	HbA1c****	If <2 or >20, then set to missing
	Glucose****	If <30, then set to missing
	Creatinine****	If <0.8, then 0.8 AND >30, then set to missing
	Systolic blood pressure****	If <30, then set to missing
	Heart rate****	If <30, then set to missing
	BMI****	If <10 or >100, then set to missing
	BNP****	If 0 or >10,000, then set to missing
	proBNP****	If 0 or >20,000, then set to missing
	eGFR****	If 0, then set to missing
Burden of comorbidities	Combined comorbidity score	
	Frailty score	
Baseline hospitalizations and hospital metrics	Number of any hospitalization, median (iqr), mean (sd)	
	0, 1, >1 hospitalizations for heart failure	
	0, 1, >1 hospitalizations for other reason	
Calendar year of cohort entry	Calendar year	

