

Cover Page for Statistical Analysis Plan

Sponsor name:	Novo Nordisk A/S
NCT number	NCT02773368
Sponsor trial ID:	NN9068-4229
Official title of study:	A clinical trial comparing glycaemic control and safety of insulin degludec/liraglutide (IDegLira) versus insulin glargine (IGlar) as add-on therapy to SGLT2i in subjects with type 2 diabetes mellitus
Document date:	22-March-2018

16.1.9 Documentation of statistical methods

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*Redacted statistical analysis plan
Includes redaction of personal identifiable information only.*

16.1.9 Documentation of statistical methods

No separate Statistical Analysis Plan has been prepared. Please refer to statistical information in the Protocol.

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Novo Nordisk

Statistical documentation

1: Actual daily total insulin dose after 26 weeks – confirmatory statistical analysis – primary estimand – unconditional multiple imputation – full analysis set

Parameter Code=TOTDDAC Long label=Actual daily total insulin dose (U) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.242337	2.184983	2.427562	100046

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.111021	0.099945	0.999900

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	37.496594	1.558064	34.44281 40.55038	100046

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	35.926728	39.519182	0	24.07	<.0001

Actual daily total insulin dose after 26 weeks - confirmatory statistical analysis -
primary estimand - unconditional multiple imputation - full analysis set

Parameter Code=TOTDDAC Long label=Actual daily total insulin dose (U) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.294001	4.378529	4.672824	251859

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.067213	0.062988	0.999937

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-15.366789	2.161672	-19.6036	-11.1300	251859

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-16.978215	-13.382578	0	-7.11	<.0001

Actual daily total insulin dose after 26 weeks - confirmatory statistical analysis -
 primary estimand - unconditional multiple imputation - full analysis set

Parameter Code=TOTDDAC Long label=Actual daily total insulin dose (U) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.067828	2.174533	2.242428	1.09E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.031223	0.030280	0.999970

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	52.863383	1.497474	49.92838	55.79838	1.09E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	51.960617	53.687184	0	35.30	<.0001

Actual daily total insulin dose after 26 weeks - confirmatory statistical analysis -
 primary estimand - unconditional multiple imputation - full analysis set

Parameter Code=TOTDDAC_CH_ABS_BL Long label=Actual daily total insulin dose (U)

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.242337	2.184983	2.427562	100046

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.111021	0.099945	0.999900

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	29.214255	1.558064	26.16047	32.26804	100046

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	27.644389	31.236844	0	18.75	<.0001

Actual daily total insulin dose after 26 weeks - confirmatory statistical analysis -
 primary estimand - unconditional multiple imputation - full analysis set

Parameter Code=TOTDDAC_CH_ABS_BL Long label=Actual daily total insulin dose (U) arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.067828	2.174533	2.242428	1.09E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.031223	0.030280	0.999970

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	44.581044	1.497474	41.64605	47.51604	1.09E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	43.678278	45.404845	0	29.77	<.0001

2: Actual daily total insulin dose after 26 weeks – statistical sensitivity analysis – primary estimand – conditional multiple imputation – full analysis set

Parameter Code=TOTDDAC Long label=Actual daily total insulin dose (U) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.131177	2.168865	2.300174	306549

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.060543	0.057093	0.999943

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	36.806456	1.516632	33.83390	39.77901	306549

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	35.645643	37.981043	0	24.27	<.0001

Actual daily total insulin dose after 26 weeks - statistical sensitivity analysis -
primary estimand - conditional multiple imputation - full analysis set

Parameter Code=TOTDDAC Long label=Actual daily total insulin dose (U) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.193936	4.346230	4.540360	546463

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.044666	0.042760	0.999957

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-16.022264	2.130812	-20.1986	-11.8459	546463

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-17.315006	-14.471031	0	-7.52	<.0001

Actual daily total insulin dose after 26 weeks - statistical sensitivity analysis -
 primary estimand - conditional multiple imputation - full analysis set

Parameter Code=TOTDDAC Long label=Actual daily total insulin dose (U) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.067216	2.158492	2.225775	1.09E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.031171	0.030231	0.999970

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	52.828720	1.491903	49.90464	55.75280	1.09E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	52.049361	53.514364	0	35.41	<.0001

Actual daily total insulin dose after 26 weeks - statistical sensitivity analysis -
primary estimand - conditional multiple imputation - full analysis set

Parameter Code=TOTDDAC_CH_ABS_BL Long label=Actual daily total insulin dose (U)

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.131177	2.168865	2.300174	306549

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.060543	0.057093	0.999943

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	28.524117	1.516632	25.55156 31.49667	306549

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	27.363305	29.698704	0	18.81	<.0001

Actual daily total insulin dose after 26 weeks - statistical sensitivity analysis -
 primary estimand - conditional multiple imputation - full analysis set

Parameter Code=TOTDDAC_CH_ABS_BL Long label=Actual daily total insulin dose (U) arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.067216	2.158492	2.225775	1.09E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.031171	0.030231	0.999970

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	44.546381	1.491903	41.62230	47.47046	1.09E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	43.767023	45.232025	0	29.86	<.0001

3: Actual daily total insulin dose after 26 weeks – supportive statistical analysis – secondary estimand – MMRM – full analysis set

Parameter Code=TOTDDAC

The Mixed Procedure

Model Information

Data Set	WORK.MMRMDATA
Dependent Variable	AVAL
Covariance Structure	Compound Symmetry
Subject Effect	USUBJID
Estimation Method	REML
Residual Variance Method	Profile
Fixed Effects SE Method	Kenward-Roger
Degrees of Freedom Method	Kenward-Roger

Class Level Information

Class	Levels	Values
treatment	2	IDegLira IGLar
region	4	Asia Europe North America South America
PREOAD2	2	SGLT2i + DPP4i ± met ± pio SGLT2i ± metformin(met) ± pioglitazone(pio)
AVISITN	26	40 60 80 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320

Actual daily total insulin dose after 26 weeks - supportive statistical analysis -
secondary estimand - MMRM - full analysis set

Parameter Code=TOTDDAC

The Mixed Procedure

Iteration History

Iteration	Evaluations	-2 Res Log Like	Criterion
2	1	73094.18122256	0.00000000

Convergence criteria met.

Covariance Parameter Estimates

Cov Parm	Subject	Estimate
CS	USUBJID	125.95
Residual		56.5453

Fit Statistics

-2 Res Log Likelihood	73094.2
AIC (Smaller is Better)	73098.2
AICC (Smaller is Better)	73098.2
BIC (Smaller is Better)	73106.3

Null Model Likelihood Ratio Test

DF	Chi-Square	Pr > ChiSq
1	10616.16	<.0001

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
treatment (AVISITN)	26	9605	56.01	<.0001
region (AVISITN)	78	9991	5.08	<.0001
PREOAD2 (AVISITN)	26	9607	0.36	0.9989
HBA1CBL (AVISITN)	26	9607	2.73	<.0001

```
nn9068/nn9068-4229/ctr_20180124_er
12MAR2018:11:42:45 - t stat act dose mmmr/t app t stat sens ins dos mmmr fas.txt
```

Actual daily total insulin dose after 26 weeks - supportive statistical analysis -
 secondary estimand - MMRM - full analysis set

Parameter Code=TOTDDAC

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
 Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1	Row2
Intercept				1	1
treatment(AVISITN)	IDegLira		40		
treatment(AVISITN)	IGlar		40		
treatment(AVISITN)	IDegLira		60		
treatment(AVISITN)	IGlar		60		
treatment(AVISITN)	IDegLira		80		
treatment(AVISITN)	IGlar		80		
treatment(AVISITN)	IDegLira		100		
treatment(AVISITN)	IGlar		100		
treatment(AVISITN)	IDegLira		110		
treatment(AVISITN)	IGlar		110		
treatment(AVISITN)	IDegLira		120		
treatment(AVISITN)	IGlar		120		
treatment(AVISITN)	IDegLira		130		
treatment(AVISITN)	IGlar		130		
treatment(AVISITN)	IDegLira		140		
treatment(AVISITN)	IGlar		140		
treatment(AVISITN)	IDegLira		150		
treatment(AVISITN)	IGlar		150		
treatment(AVISITN)	IDegLira		160		
treatment(AVISITN)	IGlar		160		
treatment(AVISITN)	IDegLira		170		
treatment(AVISITN)	IGlar		170		
treatment(AVISITN)	IDegLira		180		
treatment(AVISITN)	IGlar		180		
treatment(AVISITN)	IDegLira		190		
treatment(AVISITN)	IGlar		190		
treatment(AVISITN)	IDegLira		200		
treatment(AVISITN)	IGlar		200		
treatment(AVISITN)	IDegLira		210		
treatment(AVISITN)	IGlar		210		
treatment(AVISITN)	IDegLira		220		
treatment(AVISITN)	IGlar		220		
treatment(AVISITN)	IDegLira		230		
treatment(AVISITN)	IGlar		230		
treatment(AVISITN)	IDegLira		240		
treatment(AVISITN)	IGlar		240		
treatment(AVISITN)	IDegLira		250		
treatment(AVISITN)	IGlar		250		
treatment(AVISITN)	IDegLira		260		
treatment(AVISITN)	IGlar		260		
treatment(AVISITN)	IDegLira		270		
treatment(AVISITN)	IGlar		270		
treatment(AVISITN)	IDegLira		280		
treatment(AVISITN)	IGlar		280		
treatment(AVISITN)	IDegLira		290		
treatment(AVISITN)	IGlar		290		
treatment(AVISITN)	IDegLira		300		
treatment(AVISITN)	IGlar		300		

Actual daily total insulin dose after 26 weeks - supportive statistical analysis -
secondary estimand - MMRM - full analysis set

Parameter Code=TOTDDAC

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD 2
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	

Actual daily total insulin dose after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=TOTDDAC

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1	Row2
treatment(AVISITN)	IDegLira		310		
treatment(AVISITN)	IGlar		310		
treatment(AVISITN)	IDegLira		320	1	
treatment(AVISITN)	IGlar		320		1
region(AVISITN)		Asia	40		
region(AVISITN)		Europe	40		
region(AVISITN)		North America	40		
region(AVISITN)		South America	40		
region(AVISITN)		Asia	60		
region(AVISITN)		Europe	60		
region(AVISITN)		North America	60		
region(AVISITN)		South America	60		
region(AVISITN)		Asia	80		
region(AVISITN)		Europe	80		
region(AVISITN)		North America	80		
region(AVISITN)		South America	80		
region(AVISITN)		Asia	100		
region(AVISITN)		Europe	100		
region(AVISITN)		North America	100		
region(AVISITN)		South America	100		
region(AVISITN)		Asia	110		
region(AVISITN)		Europe	110		
region(AVISITN)		North America	110		
region(AVISITN)		South America	110		
region(AVISITN)		Asia	120		
region(AVISITN)		Europe	120		
region(AVISITN)		North America	120		
region(AVISITN)		South America	120		
region(AVISITN)		Asia	130		
region(AVISITN)		Europe	130		
region(AVISITN)		North America	130		
region(AVISITN)		South America	130		
region(AVISITN)		Asia	140		
region(AVISITN)		Europe	140		
region(AVISITN)		North America	140		
region(AVISITN)		South America	140		
region(AVISITN)		Asia	150		
region(AVISITN)		Europe	150		
region(AVISITN)		North America	150		
region(AVISITN)		South America	150		
region(AVISITN)		Asia	160		
region(AVISITN)		Europe	160		
region(AVISITN)		North America	160		
region(AVISITN)		South America	160		
region(AVISITN)		Asia	170		
region(AVISITN)		Europe	170		
region(AVISITN)		North America	170		
region(AVISITN)		South America	170		
region(AVISITN)		Asia	180		

Actual daily total insulin dose after 26 weeks - supportive statistical analysis -
secondary estimand - MMRM - full analysis set

Parameter Code=TOTDDAC

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD 2
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	

Actual daily total insulin dose after 26 weeks - supportive statistical analysis -
secondary estimand - MMRM - full analysis set

Parameter Code=TOTDDAC

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1	Row2
region(AVISITN)		Europe	180		
region(AVISITN)		North America	180		
region(AVISITN)		South America	180		
region(AVISITN)		Asia	190		
region(AVISITN)		Europe	190		
region(AVISITN)		North America	190		
region(AVISITN)		South America	190		
region(AVISITN)		Asia	200		
region(AVISITN)		Europe	200		
region(AVISITN)		North America	200		
region(AVISITN)		South America	200		
region(AVISITN)		Asia	210		
region(AVISITN)		Europe	210		
region(AVISITN)		North America	210		
region(AVISITN)		South America	210		
region(AVISITN)		Asia	220		
region(AVISITN)		Europe	220		
region(AVISITN)		North America	220		
region(AVISITN)		South America	220		
region(AVISITN)		Asia	230		
region(AVISITN)		Europe	230		
region(AVISITN)		North America	230		
region(AVISITN)		South America	230		
region(AVISITN)		Asia	240		
region(AVISITN)		Europe	240		
region(AVISITN)		North America	240		
region(AVISITN)		South America	240		
region(AVISITN)		Asia	250		
region(AVISITN)		Europe	250		
region(AVISITN)		North America	250		
region(AVISITN)		South America	250		
region(AVISITN)		Asia	260		
region(AVISITN)		Europe	260		
region(AVISITN)		North America	260		
region(AVISITN)		South America	260		
region(AVISITN)		Asia	270		
region(AVISITN)		Europe	270		
region(AVISITN)		North America	270		
region(AVISITN)		South America	270		
region(AVISITN)		Asia	280		
region(AVISITN)		Europe	280		
region(AVISITN)		North America	280		
region(AVISITN)		South America	280		
region(AVISITN)		Asia	290		
region(AVISITN)		Europe	290		
region(AVISITN)		North America	290		
region(AVISITN)		South America	290		
region(AVISITN)		Asia	300		
region(AVISITN)		Europe	300		

Actual daily total insulin dose after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=TOTDDAC

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRBMDATA Margins

[illegible]

Actual daily total insulin dose after 26 weeks - supportive statistical analysis -
secondary estimand - MMRM - full analysis set

Parameter Code=TOTDDAC

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1	Row2
region(AVISITN)		North America	300		
region(AVISITN)		South America	300		
region(AVISITN)		Asia	310		
region(AVISITN)		Europe	310		
region(AVISITN)		North America	310		
region(AVISITN)		South America	310		
region(AVISITN)		Asia	320	0.1301	0.1301
region(AVISITN)		Europe	320	0.551	0.551
region(AVISITN)		North America	320	0.2092	0.2092
region(AVISITN)		South America	320	0.1097	0.1097
PREOAD2(AVISITN)			40		
PREOAD2(AVISITN)			40		
PREOAD2(AVISITN)			60		
PREOAD2(AVISITN)			60		
PREOAD2(AVISITN)			80		
PREOAD2(AVISITN)			80		
PREOAD2(AVISITN)			100		
PREOAD2(AVISITN)			100		
PREOAD2(AVISITN)			110		
PREOAD2(AVISITN)			110		
PREOAD2(AVISITN)			120		
PREOAD2(AVISITN)			120		
PREOAD2(AVISITN)			130		
PREOAD2(AVISITN)			130		
PREOAD2(AVISITN)			140		
PREOAD2(AVISITN)			140		
PREOAD2(AVISITN)			150		
PREOAD2(AVISITN)			150		
PREOAD2(AVISITN)			160		
PREOAD2(AVISITN)			160		
PREOAD2(AVISITN)			170		
PREOAD2(AVISITN)			170		
PREOAD2(AVISITN)			180		
PREOAD2(AVISITN)			180		
PREOAD2(AVISITN)			190		
PREOAD2(AVISITN)			190		
PREOAD2(AVISITN)			200		
PREOAD2(AVISITN)			200		
PREOAD2(AVISITN)			210		
PREOAD2(AVISITN)			210		
PREOAD2(AVISITN)			220		
PREOAD2(AVISITN)			220		
PREOAD2(AVISITN)			230		
PREOAD2(AVISITN)			230		
PREOAD2(AVISITN)			240		
PREOAD2(AVISITN)			240		
PREOAD2(AVISITN)			250		
PREOAD2(AVISITN)			250		
PREOAD2(AVISITN)			260		

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Actual daily total insulin dose after 26 weeks - supportive statistical analysis -
 secondary estimand - MMRM - full analysis set

Parameter Code=TOTDDAC

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
 Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1	Row2
PREOAD2 (AVISITN)			270		
PREOAD2 (AVISITN)			280		
PREOAD2 (AVISITN)			280		
PREOAD2 (AVISITN)			290		
PREOAD2 (AVISITN)			290		
PREOAD2 (AVISITN)			300		
PREOAD2 (AVISITN)			300		
PREOAD2 (AVISITN)			310		
PREOAD2 (AVISITN)			310		
PREOAD2 (AVISITN)			320	0.324	0.324
PREOAD2 (AVISITN)			320	0.676	0.676
HBA1CBL (AVISITN)			40		
HBA1CBL (AVISITN)			60		
HBA1CBL (AVISITN)			80		
HBA1CBL (AVISITN)			100		
HBA1CBL (AVISITN)			110		
HBA1CBL (AVISITN)			120		
HBA1CBL (AVISITN)			130		
HBA1CBL (AVISITN)			140		
HBA1CBL (AVISITN)			150		
HBA1CBL (AVISITN)			160		
HBA1CBL (AVISITN)			170		
HBA1CBL (AVISITN)			180		
HBA1CBL (AVISITN)			190		
HBA1CBL (AVISITN)			200		
HBA1CBL (AVISITN)			210		
HBA1CBL (AVISITN)			220		
HBA1CBL (AVISITN)			230		
HBA1CBL (AVISITN)			240		
HBA1CBL (AVISITN)			250		
HBA1CBL (AVISITN)			260		
HBA1CBL (AVISITN)			270		
HBA1CBL (AVISITN)			280		
HBA1CBL (AVISITN)			290		
HBA1CBL (AVISITN)			300		
HBA1CBL (AVISITN)			310		
HBA1CBL (AVISITN)			320	8.2837	8.2837

Least Squares Means Estimates

Effect	Label	Margins	Estimate	Standard Error	DF	t Value	Pr > t
treatment (AVISITN)	IDegLira	WORK.MMRMDATA	36.5097	0.9510	875	38.39	<.0001
treatment (AVISITN)	IGlar	WORK.MMRMDATA	53.5602	0.9452	865.3	56.67	<.0001

Actual daily total insulin dose after 26 weeks - supportive statistical analysis -
secondary estimand - MMRM - full analysis set

Parameter Code=TOTDDAC

The Mixed Procedure

Least Squares Means Estimates

Effect	Label	Alpha	Lower	Upper
treatment (AVISITN)	IDegLira	0.05	34.6433	38.3762
treatment (AVISITN)	IGlar	0.05	51.7051	55.4153

Coefficients for treatment (AVISITN) Least Squares Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD 2
Intercept			
treatment (AVISITN)	IDegLira		
treatment (AVISITN)	IGlar		
treatment (AVISITN)	IDegLira		
treatment (AVISITN)	IGlar		
treatment (AVISITN)	IDegLira		
treatment (AVISITN)	IGlar		
treatment (AVISITN)	IDegLira		
treatment (AVISITN)	IGlar		
treatment (AVISITN)	IDegLira		
treatment (AVISITN)	IGlar		
treatment (AVISITN)	IDegLira		
treatment (AVISITN)	IGlar		
treatment (AVISITN)	IDegLira		
treatment (AVISITN)	IGlar		
treatment (AVISITN)	IDegLira		

Coefficients for treatment (AVISITN) Least Squares Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1
Intercept				
treatment (AVISITN)	IDegLira		40	
treatment (AVISITN)	IGlar		40	
treatment (AVISITN)	IDegLira		60	
treatment (AVISITN)	IGlar		60	
treatment (AVISITN)	IDegLira		80	
treatment (AVISITN)	IGlar		80	
treatment (AVISITN)	IDegLira		100	
treatment (AVISITN)	IGlar		100	
treatment (AVISITN)	IDegLira		110	
treatment (AVISITN)	IGlar		110	
treatment (AVISITN)	IDegLira		120	
treatment (AVISITN)	IGlar		120	
treatment (AVISITN)	IDegLira		130	
treatment (AVISITN)	IGlar		130	
treatment (AVISITN)	IDegLira		140	

Actual daily total insulin dose after 26 weeks - supportive statistical analysis -
 secondary estimand - MMRM - full analysis set

Parameter Code=TOTDDAC

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
 Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD 2
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	

Actual daily total insulin dose after 26 weeks - supportive statistical analysis -
secondary estimand - MMRM - full analysis set

Parameter Code=TOTDDAC

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1
treatment(AVISITN)	IGlar		140	
treatment(AVISITN)	IDegLira		150	
treatment(AVISITN)	IGlar		150	
treatment(AVISITN)	IDegLira		160	
treatment(AVISITN)	IGlar		160	
treatment(AVISITN)	IDegLira		170	
treatment(AVISITN)	IGlar		170	
treatment(AVISITN)	IDegLira		180	
treatment(AVISITN)	IGlar		180	
treatment(AVISITN)	IDegLira		190	
treatment(AVISITN)	IGlar		190	
treatment(AVISITN)	IDegLira		200	
treatment(AVISITN)	IGlar		200	
treatment(AVISITN)	IDegLira		210	
treatment(AVISITN)	IGlar		210	
treatment(AVISITN)	IDegLira		220	
treatment(AVISITN)	IGlar		220	
treatment(AVISITN)	IDegLira		230	
treatment(AVISITN)	IGlar		230	
treatment(AVISITN)	IDegLira		240	
treatment(AVISITN)	IGlar		240	
treatment(AVISITN)	IDegLira		250	
treatment(AVISITN)	IGlar		250	
treatment(AVISITN)	IDegLira		260	
treatment(AVISITN)	IGlar		260	
treatment(AVISITN)	IDegLira		270	
treatment(AVISITN)	IGlar		270	
treatment(AVISITN)	IDegLira		280	
treatment(AVISITN)	IGlar		280	
treatment(AVISITN)	IDegLira		290	
treatment(AVISITN)	IGlar		290	
treatment(AVISITN)	IDegLira		300	
treatment(AVISITN)	IGlar		300	
treatment(AVISITN)	IDegLira		310	
treatment(AVISITN)	IGlar		310	
treatment(AVISITN)	IDegLira		320	1
treatment(AVISITN)	IGlar		320	-1
region(AVISITN)		Asia	40	
region(AVISITN)		Europe	40	
region(AVISITN)		North America	40	
region(AVISITN)		South America	40	
region(AVISITN)		Asia	60	
region(AVISITN)		Europe	60	
region(AVISITN)		North America	60	
region(AVISITN)		South America	60	
region(AVISITN)		Asia	80	
region(AVISITN)		Europe	80	
region(AVISITN)		North America	80	
region(AVISITN)		South America	80	

Actual daily total insulin dose after 26 weeks - supportive statistical analysis -
secondary estimand - MMRM - full analysis set

Parameter Code=TOTDDAC

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD 2
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	

Actual daily total insulin dose after 26 weeks - supportive statistical analysis -
 secondary estimand - MMRM - full analysis set

Parameter Code=TOTDDAC

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
 Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1
region(AVISITN)		Asia	100	
region(AVISITN)		Europe	100	
region(AVISITN)		North America	100	
region(AVISITN)		South America	100	
region(AVISITN)		Asia	110	
region(AVISITN)		Europe	110	
region(AVISITN)		North America	110	
region(AVISITN)		South America	110	
region(AVISITN)		Asia	120	
region(AVISITN)		Europe	120	
region(AVISITN)		North America	120	
region(AVISITN)		South America	120	
region(AVISITN)		Asia	130	
region(AVISITN)		Europe	130	
region(AVISITN)		North America	130	
region(AVISITN)		South America	130	
region(AVISITN)		Asia	140	
region(AVISITN)		Europe	140	
region(AVISITN)		North America	140	
region(AVISITN)		South America	140	
region(AVISITN)		Asia	150	
region(AVISITN)		Europe	150	
region(AVISITN)		North America	150	
region(AVISITN)		South America	150	
region(AVISITN)		Asia	160	
region(AVISITN)		Europe	160	
region(AVISITN)		North America	160	
region(AVISITN)		South America	160	
region(AVISITN)		Asia	170	
region(AVISITN)		Europe	170	
region(AVISITN)		North America	170	
region(AVISITN)		South America	170	
region(AVISITN)		Asia	180	
region(AVISITN)		Europe	180	
region(AVISITN)		North America	180	
region(AVISITN)		South America	180	
region(AVISITN)		Asia	190	
region(AVISITN)		Europe	190	
region(AVISITN)		North America	190	
region(AVISITN)		South America	190	
region(AVISITN)		Asia	200	
region(AVISITN)		Europe	200	
region(AVISITN)		North America	200	
region(AVISITN)		South America	200	
region(AVISITN)		Asia	210	
region(AVISITN)		Europe	210	
region(AVISITN)		North America	210	
region(AVISITN)		South America	210	
region(AVISITN)		Asia	220	

Actual daily total insulin dose after 26 weeks - supportive statistical analysis -
secondary estimand - MMRM - full analysis set

Parameter Code=TOTDDAC

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1
region(AVISITN)		Europe	220	
region(AVISITN)		North America	220	
region(AVISITN)		South America	220	
region(AVISITN)		Asia	230	
region(AVISITN)		Europe	230	
region(AVISITN)		North America	230	
region(AVISITN)		South America	230	
region(AVISITN)		Asia	240	
region(AVISITN)		Europe	240	
region(AVISITN)		North America	240	
region(AVISITN)		South America	240	
region(AVISITN)		Asia	250	
region(AVISITN)		Europe	250	
region(AVISITN)		North America	250	
region(AVISITN)		South America	250	
region(AVISITN)		Asia	260	
region(AVISITN)		Europe	260	
region(AVISITN)		North America	260	
region(AVISITN)		South America	260	
region(AVISITN)		Asia	270	
region(AVISITN)		Europe	270	
region(AVISITN)		North America	270	
region(AVISITN)		South America	270	
region(AVISITN)		Asia	280	
region(AVISITN)		Europe	280	
region(AVISITN)		North America	280	
region(AVISITN)		South America	280	
region(AVISITN)		Asia	290	
region(AVISITN)		Europe	290	
region(AVISITN)		North America	290	
region(AVISITN)		South America	290	
region(AVISITN)		Asia	300	
region(AVISITN)		Europe	300	
region(AVISITN)		North America	300	
region(AVISITN)		South America	300	
region(AVISITN)		Asia	310	
region(AVISITN)		Europe	310	
region(AVISITN)		North America	310	
region(AVISITN)		South America	310	
region(AVISITN)		Asia	320	
region(AVISITN)		Europe	320	
region(AVISITN)		North America	320	
region(AVISITN)		South America	320	
PREOAD2(AVISITN)			40	
PREOAD2(AVISITN)			40	
PREOAD2(AVISITN)			60	
PREOAD2(AVISITN)			60	
PREOAD2(AVISITN)			80	
PREOAD2(AVISITN)			80	

Actual daily total insulin dose after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=TOTDDAC

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD 2
PREOAD2 (AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2 (AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2 (AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2 (AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2 (AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2 (AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2 (AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2 (AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2 (AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2 (AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2 (AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2 (AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2 (AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2 (AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2 (AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2 (AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2 (AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2 (AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2 (AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2 (AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2 (AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2 (AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2 (AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2 (AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2 (AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2 (AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2 (AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2 (AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2 (AVISITN)			SGLT2i + DPP4i ± met ± pio
HBA1CBL (AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
HBA1CBL (AVISITN)			
HBA1CBL (AVISITN)			

Actual daily total insulin dose after 26 weeks - supportive statistical analysis -
secondary estimand - MMRM - full analysis set

Parameter Code=TOTDDAC

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1
PREOAD2 (AVISITN)			100	
PREOAD2 (AVISITN)			100	
PREOAD2 (AVISITN)			110	
PREOAD2 (AVISITN)			110	
PREOAD2 (AVISITN)			120	
PREOAD2 (AVISITN)			120	
PREOAD2 (AVISITN)			130	
PREOAD2 (AVISITN)			130	
PREOAD2 (AVISITN)			140	
PREOAD2 (AVISITN)			140	
PREOAD2 (AVISITN)			150	
PREOAD2 (AVISITN)			150	
PREOAD2 (AVISITN)			160	
PREOAD2 (AVISITN)			160	
PREOAD2 (AVISITN)			170	
PREOAD2 (AVISITN)			170	
PREOAD2 (AVISITN)			180	
PREOAD2 (AVISITN)			180	
PREOAD2 (AVISITN)			190	
PREOAD2 (AVISITN)			190	
PREOAD2 (AVISITN)			200	
PREOAD2 (AVISITN)			200	
PREOAD2 (AVISITN)			210	
PREOAD2 (AVISITN)			210	
PREOAD2 (AVISITN)			220	
PREOAD2 (AVISITN)			220	
PREOAD2 (AVISITN)			230	
PREOAD2 (AVISITN)			230	
PREOAD2 (AVISITN)			240	
PREOAD2 (AVISITN)			240	
PREOAD2 (AVISITN)			250	
PREOAD2 (AVISITN)			250	
PREOAD2 (AVISITN)			260	
PREOAD2 (AVISITN)			260	
PREOAD2 (AVISITN)			270	
PREOAD2 (AVISITN)			270	
PREOAD2 (AVISITN)			280	
PREOAD2 (AVISITN)			280	
PREOAD2 (AVISITN)			290	
PREOAD2 (AVISITN)			290	
PREOAD2 (AVISITN)			300	
PREOAD2 (AVISITN)			300	
PREOAD2 (AVISITN)			310	
PREOAD2 (AVISITN)			310	
PREOAD2 (AVISITN)			320	
PREOAD2 (AVISITN)			320	
HBA1CBL (AVISITN)			40	
HBA1CBL (AVISITN)			60	
HBA1CBL (AVISITN)			80	

Actual daily total insulin dose after 26 weeks - supportive statistical analysis -
secondary estimand - MMRM - full analysis set

Parameter Code=TOTDDAC

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD 2
HBA1CBL (AVISITN)			
HBA1CBL (AVISITN)			
HBA1CBL (AVISITN)			
HBA1CBL (AVISITN)			
HBA1CBL (AVISITN)			
HBA1CBL (AVISITN)			
HBA1CBL (AVISITN)			
HBA1CBL (AVISITN)			
HBA1CBL (AVISITN)			
HBA1CBL (AVISITN)			
HBA1CBL (AVISITN)			
HBA1CBL (AVISITN)			
HBA1CBL (AVISITN)			
HBA1CBL (AVISITN)			
HBA1CBL (AVISITN)			
HBA1CBL (AVISITN)			
HBA1CBL (AVISITN)			
HBA1CBL (AVISITN)			
HBA1CBL (AVISITN)			
HBA1CBL (AVISITN)			
HBA1CBL (AVISITN)			
HBA1CBL (AVISITN)			
HBA1CBL (AVISITN)			
HBA1CBL (AVISITN)			

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1
HBA1CBL (AVISITN)			100	
HBA1CBL (AVISITN)			110	
HBA1CBL (AVISITN)			120	
HBA1CBL (AVISITN)			130	
HBA1CBL (AVISITN)			140	
HBA1CBL (AVISITN)			150	
HBA1CBL (AVISITN)			160	
HBA1CBL (AVISITN)			170	
HBA1CBL (AVISITN)			180	
HBA1CBL (AVISITN)			190	
HBA1CBL (AVISITN)			200	
HBA1CBL (AVISITN)			210	
HBA1CBL (AVISITN)			220	
HBA1CBL (AVISITN)			230	
HBA1CBL (AVISITN)			240	
HBA1CBL (AVISITN)			250	
HBA1CBL (AVISITN)			260	
HBA1CBL (AVISITN)			270	

Actual daily total insulin dose after 26 weeks - supportive statistical analysis -
 secondary estimand - MMRM - full analysis set

Parameter Code=TOTDDAC

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
 Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1
HBA1CBL (AVISITN)			280	
HBA1CBL (AVISITN)			290	
HBA1CBL (AVISITN)			300	
HBA1CBL (AVISITN)			310	
HBA1CBL (AVISITN)			320	

Least Squares Means Estimate

Effect	Label	Margins	Estimate	Standard Error	DF	Test Value
treatment (AVISITN)	IDegLira - IGLar	WORK.MMRMDATA	-17.0505	1.3443	871.9	0

Least Squares Means Estimate

Effect	Label	t Value	Pr > t	Alpha	Lower	Upper
treatment (AVISITN)	IDegLira - IGLar	-12.68	<.0001	0.05	-19.6890	-14.4121

4: Actual daily total insulin dose after 26 weeks – statistical sensitivity analysis – primary estimand – unconditional multiple imputation – full analysis set

Parameter Code=TOTDDAC Long label=Actual daily total insulin dose (U) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.245066	2.198482	2.443793	99143

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.111582	0.100399	0.999900

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	37.720270	1.563264	34.65629 40.78425	99143

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	36.137718	39.759082	0	24.13	<.0001

Actual daily total insulin dose after 26 weeks - statistical sensitivity analysis -
primary estimand - unconditional multiple imputation - full analysis set

Parameter Code=TOTDDAC Long label=Actual daily total insulin dose (U) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.297342	4.405581	4.703220	249445

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.067560	0.063292	0.999937

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-14.897161	2.168691	-19.1477	-10.6466	249445

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-16.514175	-12.902256	0	-6.87	<.0001

Actual daily total insulin dose after 26 weeks - statistical sensitivity analysis -
 primary estimand - unconditional multiple imputation - full analysis set

Parameter Code=TOTDDAC Long label=Actual daily total insulin dose (U) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.068760	2.187968	2.256796	1.07E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.031458	0.030500	0.999970

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	52.617431	1.502264	49.67305	55.56182	1.07E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	51.707837	53.437311	0	35.03	<.0001

Actual daily total insulin dose after 26 weeks - statistical sensitivity analysis -
 primary estimand - unconditional multiple imputation - full analysis set

Parameter Code=TOTDDAC_CH_ABS_BL Long label=Actual daily total insulin dose (U)

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.245066	2.198482	2.443793	99143

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.111582	0.100399	0.999900

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	29.437931	1.563264	26.37395	32.50191	99143

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	27.855379	31.476743	0	18.83	<.0001

Actual daily total insulin dose after 26 weeks - statistical sensitivity analysis -
 primary estimand - unconditional multiple imputation - full analysis set

Parameter Code=TOTDDAC_CH_ABS_BL Long label=Actual daily total insulin dose (U) arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.068760	2.187968	2.256796	1.07E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.031458	0.030500	0.999970

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	44.335092	1.502264	41.39071	47.27948	1.07E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	43.425498	45.154972	0	29.51	<.0001

5: HbA1c after 26 weeks – change from baseline – confirmatory statistical analysis – non-inferiority evaluation – primary estimand – unconditional multiple imputation – full analysis set

Parameter Code=C64849B Long label=HbA1c (%) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000190	0.002540	0.002730	205771

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.074896	0.069686	0.999930

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	6.336506	0.052250	6.234097	6.438915	205771

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	6.294927	6.380991	0	121.27	<.0001

HbA1c after 26 weeks - change from baseline - confirmatory statistical analysis - non-inferiority evaluation - primary estimand - unconditional multiple imputation - full analysis set

Parameter Code=C64849B Long label=HbA1c (%) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000228	0.005103	0.005330	547149

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.044637	0.042733	0.999957

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-0.338408	0.073009	-0.48150	-0.19531	547149

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.384715	-0.285413	0	-4.64	<.0001

HbA1c after 26 weeks - change from baseline - confirmatory statistical analysis - non-inferiority evaluation - primary estimand - unconditional multiple imputation - full analysis set

Parameter Code=C64849B Long label=HbA1c (%) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
Number of Imputations 1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000054445	0.002540	0.002594	2.26E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.021458	0.021008	0.999979

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	6.674914	0.050935	6.575083	6.774744	2.26E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	6.646963	6.699934	0	131.05	<.0001

HbA1c after 26 weeks - change from baseline - confirmatory statistical analysis - non-inferiority evaluation - primary estimand - unconditional multiple imputation - full analysis set

Parameter Code=C64849B_CH_ABS_BL Long label=HbA1c (%) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000190	0.002540	0.002730	205771

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.074896	0.069686	0.999930

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-1.945875	0.052250	-2.04828	-1.84347	205771

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-1.987454	-1.901389	0	-37.24	<.0001

HbA1c after 26 weeks - change from baseline - confirmatory statistical analysis - non-inferiority evaluation - primary estimand - unconditional multiple imputation - full analysis set

Parameter Code=C64849B_CH_ABS_BL Long label=HbA1c (%) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000054445	0.002540	0.002594	2.26E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.021458	0.021008	0.999979

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-1.607467	0.050935	-1.70730	-1.50764	2.26E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-1.635418	-1.582447	0	-31.56	<.0001

HbA1c after 26 weeks - change from baseline - confirmatory statistical analysis - non-inferiority evaluation - primary estimand - unconditional multiple imputation - full analysis set

Parameter Code=HBA1CONV Long label=HbA1c (mmol/mol) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.022702	0.303423	0.326148	205771

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.074896	0.069686	0.999930

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	45.758014	0.571094	44.63868	46.87734	205771

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	45.303551	46.244237	0	80.12	<.0001

HbA1c after 26 weeks - change from baseline - confirmatory statistical analysis - non-inferiority evaluation - primary estimand - unconditional multiple imputation - full analysis set

Parameter Code=HBA1CONV Long label=HbA1c (mmol/mol) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.027183	0.609579	0.636788	547149

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.044637	0.042733	0.999957

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-3.698794	0.797990	-5.26283	-2.13476	547149

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-4.204940	-3.119563	0	-4.64	<.0001

HbA1c after 26 weeks - change from baseline - confirmatory statistical analysis - non-inferiority evaluation - primary estimand - unconditional multiple imputation - full analysis set

Parameter Code=HBA1CONV Long label=HbA1c (mmol/mol) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.006504	0.303423	0.309934	2.26E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.021458	0.021008	0.999979

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	49.456808	0.556717	48.36566	50.54795	2.26E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	49.151309	49.730276	0	88.84	<.0001

HbA1c after 26 weeks - change from baseline - confirmatory statistical analysis - non-inferiority evaluation - primary estimand - unconditional multiple imputation - full analysis set

Parameter Code=HBA1CONV_CH_ABS_BL Long label=HbA1c (mmol/mol) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.022702	0.303423	0.326148	205771

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.074896	0.069686	0.999930

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-21.268410	0.571094	-22.3877	-20.1491	205771

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-21.722873	-20.782187	0	-37.24	<.0001

HbA1c after 26 weeks - change from baseline - confirmatory statistical analysis - non-inferiority evaluation - primary estimand - unconditional multiple imputation - full analysis set

Parameter Code=HBA1CONV_CH_ABS_BL Long label=HbA1c (mmol/mol) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.006504	0.303423	0.309934	2.26E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.021458	0.021008	0.999979

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-17.569616	0.556717	-18.6608	-16.4785	2.26E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-17.875115	-17.296147	0	-31.56	<.0001

6: HbA1c after 26 weeks – change from baseline – statistical sensitivity analysis – non-inferiority evaluation – primary estimand – MMRM – full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Model Information

Data Set	WORK.MMRMDATA
Dependent Variable	AVAL
Covariance Structure	Unstructured
Subject Effect	USUBJID
Estimation Method	REML
Residual Variance Method	None
Fixed Effects SE Method	Kenward-Roger
Degrees of Freedom Method	Kenward-Roger

Class Level Information

Class	Levels	Values
treatment	2	IDegLira IGlar
region	4	Asia Europe North America South America
PREOAD2	2	SGLT2i + DPP4i ± met ± pio SGLT2i ± metformin(met) ± pioglitazone(pio)
AVISITN	6	100 140 180 220 260 320

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis - non-inferiority evaluation - primary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Convergence criteria met.

Covariance Parameter Estimates

Cov Parm	Subject	Estimate
UN(1,1)	USUBJID	32.5946
UN(2,1)	USUBJID	35.6194
UN(2,2)	USUBJID	57.8960
UN(3,1)	USUBJID	31.8028
UN(3,2)	USUBJID	54.4431
UN(3,3)	USUBJID	64.1892
UN(4,1)	USUBJID	27.8919
UN(4,2)	USUBJID	50.2001
UN(4,3)	USUBJID	57.8460
UN(4,4)	USUBJID	64.8869
UN(5,1)	USUBJID	26.9774
UN(5,2)	USUBJID	44.3377
UN(5,3)	USUBJID	52.1373
UN(5,4)	USUBJID	55.0397
UN(5,5)	USUBJID	58.8615
UN(6,1)	USUBJID	25.0477
UN(6,2)	USUBJID	39.6796
UN(6,3)	USUBJID	46.9095
UN(6,4)	USUBJID	50.0090
UN(6,5)	USUBJID	53.7081
UN(6,6)	USUBJID	62.0631

Fit Statistics

-2 Res Log Likelihood	13356.3
AIC (Smaller is Better)	13398.3
AICC (Smaller is Better)	13398.7
BIC (Smaller is Better)	13482.8

Null Model Likelihood Ratio Test

DF	Chi-Square	Pr > ChiSq
20	2986.61	<.0001

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
treatment(AVISITN)	6	384	9.34	<.0001
region(AVISITN)	18	762	1.84	0.0179
PREOAD2(AVISITN)	6	385	4.13	0.0005
BASE(AVISITN)	6	384	148.04	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis -
 non-inferiority evaluation - primary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
 Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD 2
Intercept			
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis -
 non-inferiority evaluation - primary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
 Means Estimates Using WORK.MMRM DATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1	Row2
Intercept				1	1
treatment(AVISITN)	IDegLira		100		
treatment(AVISITN)	IGlar		100		
treatment(AVISITN)	IDegLira		140		
treatment(AVISITN)	IGlar		140		
treatment(AVISITN)	IDegLira		180		
treatment(AVISITN)	IGlar		180		
treatment(AVISITN)	IDegLira		220		
treatment(AVISITN)	IGlar		220		
treatment(AVISITN)	IDegLira		260		
treatment(AVISITN)	IGlar		260		
treatment(AVISITN)	IDegLira		320	1	
treatment(AVISITN)	IGlar		320		1
region(AVISITN)		Asia	100		
region(AVISITN)		Europe	100		
region(AVISITN)		North America	100		
region(AVISITN)		South America	100		
region(AVISITN)		Asia	140		
region(AVISITN)		Europe	140		
region(AVISITN)		North America	140		
region(AVISITN)		South America	140		
region(AVISITN)		Asia	180		
region(AVISITN)		Europe	180		
region(AVISITN)		North America	180		
region(AVISITN)		South America	180		
region(AVISITN)		Asia	220		
region(AVISITN)		Europe	220		
region(AVISITN)		North America	220		
region(AVISITN)		South America	220		
region(AVISITN)		Asia	260		
region(AVISITN)		Europe	260		
region(AVISITN)		North America	260		
region(AVISITN)		South America	260		
region(AVISITN)		Asia	320	0.1303	0.1303
region(AVISITN)		Europe	320	0.5489	0.5489
region(AVISITN)		North America	320	0.213	0.213
region(AVISITN)		South America	320	0.1078	0.1078
PREOAD2(AVISITN)			100		
PREOAD2(AVISITN)			100		
PREOAD2(AVISITN)			140		
PREOAD2(AVISITN)			140		
PREOAD2(AVISITN)			180		
PREOAD2(AVISITN)			180		
PREOAD2(AVISITN)			220		
PREOAD2(AVISITN)			220		
PREOAD2(AVISITN)			260		
PREOAD2(AVISITN)			260		
PREOAD2(AVISITN)			320	0.3233	0.3233
PREOAD2(AVISITN)			320	0.6767	0.6767

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis - non-inferiority evaluation - primary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD 2
BASE (AVISITN)			
BASE (AVISITN)			
BASE (AVISITN)			
BASE (AVISITN)			
BASE (AVISITN)			
BASE (AVISITN)			

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1	Row2
BASE (AVISITN)			100		
BASE (AVISITN)			140		
BASE (AVISITN)			180		
BASE (AVISITN)			220		
BASE (AVISITN)			260		
BASE (AVISITN)			320	67.073	67.073

Least Squares Means Estimates

Effect	Label	Margins	Estimate	Standard Error	DF	t Value	Pr > t
treatment(AVISITN)	IDegLira	WORK.MMRMDATA	45.4463	0.5564	396.2	81.68	<.0001
treatment(AVISITN)	IGlar	WORK.MMRMDATA	49.4535	0.5503	394.4	89.87	<.0001

Least Squares Means Estimates

Effect	Label	Alpha	Lower	Upper
treatment(AVISITN)	IDegLira	0.05	44.3524	46.5402
treatment(AVISITN)	IGlar	0.05	48.3717	50.5353

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis -
non-inferiority evaluation - primary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Model Information

Data Set	WORK.MMRMDATA
Dependent Variable	CHG
Covariance Structure	Unstructured
Subject Effect	USUBJID
Estimation Method	REML
Residual Variance Method	None
Fixed Effects SE Method	Kenward-Roger
Degrees of Freedom Method	Kenward-Roger

Class Level Information

Class	Levels	Values
treatment	2	IDegLira IGlar
region	4	Asia Europe North America South America
PREOAD2	2	SGLT2i + DPP4i ± met ± pio SGLT2i ± metformin(met) ± pioglitazone(pio)
AVISITN	6	100 140 180 220 260 320

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis -
 non-inferiority evaluation - primary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Convergence criteria met.

Covariance Parameter Estimates

Cov Parm	Subject	Estimate
UN(1,1)	USUBJID	32.5946
UN(2,1)	USUBJID	35.6194
UN(2,2)	USUBJID	57.8960
UN(3,1)	USUBJID	31.8028
UN(3,2)	USUBJID	54.4431
UN(3,3)	USUBJID	64.1892
UN(4,1)	USUBJID	27.8919
UN(4,2)	USUBJID	50.2001
UN(4,3)	USUBJID	57.8460
UN(4,4)	USUBJID	64.8869
UN(5,1)	USUBJID	26.9774
UN(5,2)	USUBJID	44.3377
UN(5,3)	USUBJID	52.1373
UN(5,4)	USUBJID	55.0397
UN(5,5)	USUBJID	58.8615
UN(6,1)	USUBJID	25.0477
UN(6,2)	USUBJID	39.6796
UN(6,3)	USUBJID	46.9095
UN(6,4)	USUBJID	50.0090
UN(6,5)	USUBJID	53.7081
UN(6,6)	USUBJID	62.0631

Fit Statistics

-2 Res Log Likelihood	13356.3
AIC (Smaller is Better)	13398.3
AICC (Smaller is Better)	13398.7
BIC (Smaller is Better)	13482.8

Null Model Likelihood Ratio Test

DF	Chi-Square	Pr > ChiSq
20	2986.61	<.0001

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
treatment (AVISITN)	6	384	9.34	<.0001
region (AVISITN)	18	762	1.84	0.0179
PREOAD2 (AVISITN)	6	385	4.13	0.0005
BASE (AVISITN)	6	384	54.34	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis -
 non-inferiority evaluation - primary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
 Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD 2
Intercept			
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis -
 non-inferiority evaluation - primary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
 Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1	Row2
Intercept				1	1
treatment(AVISITN)	IDegLira		100		
treatment(AVISITN)	IGlar		100		
treatment(AVISITN)	IDegLira		140		
treatment(AVISITN)	IGlar		140		
treatment(AVISITN)	IDegLira		180		
treatment(AVISITN)	IGlar		180		
treatment(AVISITN)	IDegLira		220		
treatment(AVISITN)	IGlar		220		
treatment(AVISITN)	IDegLira		260		
treatment(AVISITN)	IGlar		260		
treatment(AVISITN)	IDegLira		320	1	
treatment(AVISITN)	IGlar		320		1
region(AVISITN)		Asia	100		
region(AVISITN)		Europe	100		
region(AVISITN)		North America	100		
region(AVISITN)		South America	100		
region(AVISITN)		Asia	140		
region(AVISITN)		Europe	140		
region(AVISITN)		North America	140		
region(AVISITN)		South America	140		
region(AVISITN)		Asia	180		
region(AVISITN)		Europe	180		
region(AVISITN)		North America	180		
region(AVISITN)		South America	180		
region(AVISITN)		Asia	220		
region(AVISITN)		Europe	220		
region(AVISITN)		North America	220		
region(AVISITN)		South America	220		
region(AVISITN)		Asia	260		
region(AVISITN)		Europe	260		
region(AVISITN)		North America	260		
region(AVISITN)		South America	260		
region(AVISITN)		Asia	320	0.1303	0.1303
region(AVISITN)		Europe	320	0.5489	0.5489
region(AVISITN)		North America	320	0.213	0.213
region(AVISITN)		South America	320	0.1078	0.1078
PREOAD2(AVISITN)			100		
PREOAD2(AVISITN)			100		
PREOAD2(AVISITN)			140		
PREOAD2(AVISITN)			140		
PREOAD2(AVISITN)			180		
PREOAD2(AVISITN)			180		
PREOAD2(AVISITN)			220		
PREOAD2(AVISITN)			220		
PREOAD2(AVISITN)			260		
PREOAD2(AVISITN)			260		
PREOAD2(AVISITN)			320	0.3233	0.3233
PREOAD2(AVISITN)			320	0.6767	0.6767

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis - non-inferiority evaluation - primary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD 2
BASE (AVISITN)			
BASE (AVISITN)			
BASE (AVISITN)			
BASE (AVISITN)			
BASE (AVISITN)			
BASE (AVISITN)			

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1	Row2
BASE (AVISITN)			100		
BASE (AVISITN)			140		
BASE (AVISITN)			180		
BASE (AVISITN)			220		
BASE (AVISITN)			260		
BASE (AVISITN)			320	67.073	67.073

Least Squares Means Estimates

Effect	Label	Margins	Estimate	Standard Error	DF	t Value	Pr > t
treatment (AVISITN)	IDegLira	WORK.MMRMDATA	-21.6268	0.5564	396.2	-38.87	<.0001
treatment (AVISITN)	IGlar	WORK.MMRMDATA	-17.6196	0.5503	394.4	-32.02	<.0001

Least Squares Means Estimates

Effect	Label	Alpha	Lower	Upper
treatment (AVISITN)	IDegLira	0.05	-22.7207	-20.5329
treatment (AVISITN)	IGlar	0.05	-18.7014	-16.5378

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD 2
Intercept			
treatment (AVISITN)	IDegLira		
treatment (AVISITN)	IGlar		
treatment (AVISITN)	IDegLira		
treatment (AVISITN)	IGlar		

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis -
non-inferiority evaluation - primary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD 2
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
BASE(AVISITN)			
BASE(AVISITN)			
BASE(AVISITN)			
BASE(AVISITN)			
BASE(AVISITN)			
BASE(AVISITN)			

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis -
 non-inferiority evaluation - primary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
 Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1
Intercept				
treatment(AVISITN)	IDegLira		100	
treatment(AVISITN)	IGlar		100	
treatment(AVISITN)	IDegLira		140	
treatment(AVISITN)	IGlar		140	
treatment(AVISITN)	IDegLira		180	
treatment(AVISITN)	IGlar		180	
treatment(AVISITN)	IDegLira		220	
treatment(AVISITN)	IGlar		220	
treatment(AVISITN)	IDegLira		260	
treatment(AVISITN)	IGlar		260	
treatment(AVISITN)	IDegLira		320	1
treatment(AVISITN)	IGlar		320	-1
region(AVISITN)		Asia	100	
region(AVISITN)		Europe	100	
region(AVISITN)		North America	100	
region(AVISITN)		South America	100	
region(AVISITN)		Asia	140	
region(AVISITN)		Europe	140	
region(AVISITN)		North America	140	
region(AVISITN)		South America	140	
region(AVISITN)		Asia	180	
region(AVISITN)		Europe	180	
region(AVISITN)		North America	180	
region(AVISITN)		South America	180	
region(AVISITN)		Asia	220	
region(AVISITN)		Europe	220	
region(AVISITN)		North America	220	
region(AVISITN)		South America	220	
region(AVISITN)		Asia	260	
region(AVISITN)		Europe	260	
region(AVISITN)		North America	260	
region(AVISITN)		South America	260	
region(AVISITN)		Asia	320	
region(AVISITN)		Europe	320	
region(AVISITN)		North America	320	
region(AVISITN)		South America	320	
PREOAD2(AVISITN)			100	
PREOAD2(AVISITN)			100	
PREOAD2(AVISITN)			140	
PREOAD2(AVISITN)			140	
PREOAD2(AVISITN)			180	
PREOAD2(AVISITN)			180	
PREOAD2(AVISITN)			220	
PREOAD2(AVISITN)			220	
PREOAD2(AVISITN)			260	
PREOAD2(AVISITN)			260	
PREOAD2(AVISITN)			320	
PREOAD2(AVISITN)			320	

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis -
 non-inferiority evaluation - primary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
 Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1
BASE (AVISITN)			100	
BASE (AVISITN)			140	
BASE (AVISITN)			180	
BASE (AVISITN)			220	
BASE (AVISITN)			260	
BASE (AVISITN)			320	

Least Squares Means Estimate

Effect	Label	Margins	Estimate	Standard Error	DF	Test Value
treatment(AVISITN)	IDegLira - IGlar	WORK.MMRMDATA	-4.0071	0.7843	395.3	3.279

Least Squares Means Estimate

Effect	Label	t Value	Pr > t	Alpha	Lower	Upper
treatment(AVISITN)	IDegLira - IGlar	-9.29	<.0001	0.05	-5.5491	-2.4652

7: HbA1c after 26 weeks – change from baseline – statistical sensitivity analysis – non-inferiority evaluation – primary estimand – conditional multiple imputation – full analysis set

Parameter Code=C64849B Long label=HbA1c (%) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.000113	0.002542	0.002656	549335

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.044544	0.042648	0.999957

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	6.336168	0.051533	6.235165 6.437171	549335

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	6.300755	6.369726	0	122.95	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis - non-inferiority evaluation - primary estimand - conditional multiple imputation - full analysis set

Parameter Code=C64849B Long label=HbA1c (%) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000154	0.005108	0.005261	1.17E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.030084	0.029207	0.999971

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-0.338467	0.072535	-0.48063	-0.19630	1.17E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0:	
				Parameter=Theta0	Pr > t
estimate	-0.376405	-0.300111	0	-4.67	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis - non-inferiority evaluation - primary estimand - conditional multiple imputation - full analysis set

Parameter Code=C64849B Long label=HbA1c (%) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000056836	0.002542	0.002599	2.09E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.022378	0.021889	0.999978

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	6.674635	0.050983	6.574710	6.774561	2.09E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	6.647989	6.700941	0	130.92	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis - non-inferiority evaluation - primary estimand - conditional multiple imputation - full analysis set

Parameter Code=C64849B_CH_ABS_BL Long label=HbA1c (%) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000113	0.002542	0.002656	549335

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.044544	0.042648	0.999957

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-1.946213	0.051533	-2.04722	-1.84521	549335

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-1.981626	-1.912655	0	-37.77	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis - non-inferiority evaluation - primary estimand - conditional multiple imputation - full analysis set

Parameter Code=C64849B_CH_ABS_BL Long label=HbA1c (%) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000056836	0.002542	0.002599	2.09E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.022378	0.021889	0.999978

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-1.607746	0.050983	-1.70767	-1.50782	2.09E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-1.634392	-1.581440	0	-31.53	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis - non-inferiority evaluation - primary estimand - conditional multiple imputation - full analysis set

Parameter Code=HBA1CONV Long label=HbA1c (mmol/mol) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.013516	0.303726	0.317255	549335

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.044544	0.042648	0.999957

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	45.754315	0.563254	44.65036	46.85828	549335

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	45.367251	46.121110	0	81.23	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis - non-inferiority evaluation - primary estimand - conditional multiple imputation - full analysis set

Parameter Code=HBA1CONV Long label=HbA1c (mmol/mol) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.018338	0.610187	0.628544	1.17E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.030084	0.029207	0.999971

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-3.699449	0.792808	-5.25333	-2.14557	1.17E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-4.114111	-3.280215	0	-4.67	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis - non-inferiority evaluation - primary estimand - conditional multiple imputation - full analysis set

Parameter Code=HBA1CONV Long label=HbA1c (mmol/mol) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.006790	0.303726	0.310523	2.09E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.022378	0.021889	0.999978

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	49.453765	0.557245	48.36158	50.54595	2.09E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0:	
				Parameter=Theta0	Pr > t
estimate	49.162520	49.741287	0	88.75	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis - non-inferiority evaluation - primary estimand - conditional multiple imputation - full analysis set

Parameter Code=HBA1CONV_CH_ABS_BL Long label=HbA1c (mmol/mol) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.013516	0.303726	0.317255	549335

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.044544	0.042648	0.999957

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-21.272109	0.563254	-22.3761	-20.1681	549335

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-21.659173	-20.905314	0	-37.77	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis - non-inferiority evaluation - primary estimand - conditional multiple imputation - full analysis set

Parameter Code=HBA1CONV_CH_ABS_BL Long label=HbA1c (mmol/mol) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.006790	0.303726	0.310523	2.09E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.022378	0.021889	0.999978

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-17.572659	0.557245	-18.6648	-16.4805	2.09E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-17.863904	-17.285137	0	-31.53	<.0001

8: HbA1c after 26 weeks – change from baseline – statistical sensitivity analysis – non-inferiority evaluation – primary estimand – unconditional multiple imputation – completer analysis set

Parameter Code=C64849B Long label=HbA1c (%) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.000023868	0.002525	0.002549	1.14E7

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.009461	0.009372	0.999991

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	6.287567	0.050489	6.188609 6.386524	1.14E7

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	6.271391	6.305042	0	124.53	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis -
 non-inferiority evaluation - primary estimand - unconditional multiple imputation -
 completer analysis set

Parameter Code=C64849B Long label=HbA1c (%) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.000029131	0.005007	0.005036	2.98E7

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.005824	0.005790	0.999994

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	-0.364124	0.070965	-0.50321 -0.22503	2.98E7

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.382090	-0.346833	0	-5.13	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis -
non-inferiority evaluation - primary estimand - unconditional multiple imputation -
completer analysis set

Parameter Code=C64849B Long label=HbA1c (%) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
Number of Imputations 1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000007383	0.002449	0.002456	1.1E8

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.003018	0.003009	0.999997

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	6.651690	0.049562	6.554550	6.748831	1.1E8

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	6.642410	6.659488	0	134.21	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis - non-inferiority evaluation - primary estimand - unconditional multiple imputation - completer analysis set

Parameter Code=C64849B_CH_ABS_BL Long label=HbA1c (%) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000023868	0.002525	0.002549	1.14E7

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.009461	0.009372	0.999991

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-2.001266	0.050489	-2.10022	-1.90231	1.14E7

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-2.017441	-1.983790	0	-39.64	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis -
 non-inferiority evaluation - primary estimand - unconditional multiple imputation -
 completer analysis set

Parameter Code=C64849B_CH_ABS_BL Long label=HbA1c (%) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000007383	0.002449	0.002456	1.1E8

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.003018	0.003009	0.999997

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-1.637142	0.049562	-1.73428	-1.54000	1.1E8

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-1.646422	-1.629345	0	-33.03	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis - non-inferiority evaluation - primary estimand - unconditional multiple imputation - completer analysis set

Parameter Code=HBA1CONV Long label=HbA1c (mmol/mol) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.002851	0.301683	0.304537	1.14E7

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.009461	0.009372	0.999991

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	45.223102	0.551849	44.14150 46.30471	1.14E7

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	45.046304	45.414110	0	81.95	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis -
 non-inferiority evaluation - primary estimand - unconditional multiple imputation -
 completer analysis set

Parameter Code=HBA1CONV Long label=HbA1c (mmol/mol) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.003480	0.598152	0.601636	2.98E7

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.005824	0.005790	0.999994

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	-3.979872	0.775652	-5.50012 -2.45962	2.98E7

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-4.176245	-3.790880	0	-5.13	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis -
 non-inferiority evaluation - primary estimand - unconditional multiple imputation -
 completer analysis set

Parameter Code=HBA1CONV Long label=HbA1c (mmol/mol) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000882	0.292574	0.293457	1.1E8

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.003018	0.003009	0.999997

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	49.202974	0.541716	48.14123	50.26472	1.1E8

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	49.101543	49.288201	0	90.83	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis -
 non-inferiority evaluation - primary estimand - unconditional multiple imputation -
 completer analysis set

Parameter Code=HBA1CONV_CH_ABS_BL Long label=HbA1c (mmol/mol) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.002851	0.301683	0.304537	1.14E7

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.009461	0.009372	0.999991

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-21.873837	0.551849	-22.9554	-20.7922	1.14E7

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-22.050636	-21.682829	0	-39.64	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis -
 non-inferiority evaluation - primary estimand - unconditional multiple imputation -
 completer analysis set

Parameter Code=HBA1CONV_CH_ABS_BL Long label=HbA1c (mmol/mol) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.000882	0.292574	0.293457	1.1E8

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.003018	0.003009	0.999997

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	-17.893965	0.541716	-18.9557 -16.8322	1.1E8

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-17.995396	-17.808738	0	-33.03	<.0001

9: HbA1c after 26 weeks – change from baseline – statistical sensitivity analysis – non-inferiority evaluation – primary estimand – unconditional multiple imputation – per-protocol analysis set

Parameter Code=C64849B Long label=HbA1c (%) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000065529	0.002602	0.002667	1.65E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.025213	0.024594	0.999975

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	6.295648	0.051645	6.194424	6.396871	1.65E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	6.270069	6.317225	0	121.90	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis - non-inferiority evaluation - primary estimand - unconditional multiple imputation - per-protocol analysis set

Parameter Code=C64849B Long label=HbA1c (%) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.000089535	0.005159	0.005249	3.43E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.017373	0.017076	0.999983

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	-0.367408	0.072447	-0.50940 -0.22541	3.43E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.399505	-0.342065	0	-5.07	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis - non-inferiority evaluation - primary estimand - unconditional multiple imputation - per-protocol analysis set

Parameter Code=C64849B Long label=HbA1c (%) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000022700	0.002524	0.002547	1.26E7

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.009002	0.008922	0.999991

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	6.663055	0.050468	6.564140	6.761970	1.26E7

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	6.646345	6.677232	0	132.03	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis -
 non-inferiority evaluation - primary estimand - unconditional multiple imputation -
 per-protocol analysis set

Parameter Code=C64849B_CH_ABS_BL Long label=HbA1c (%) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000065529	0.002602	0.002667	1.65E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.025213	0.024594	0.999975

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-1.987852	0.051645	-2.08908	-1.88663	1.65E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-2.013431	-1.966275	0	-38.49	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis -
 non-inferiority evaluation - primary estimand - unconditional multiple imputation -
 per-protocol analysis set

Parameter Code=C64849B_CH_ABS_BL Long label=HbA1c (%) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000022700	0.002524	0.002547	1.26E7

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.009002	0.008922	0.999991

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-1.620445	0.050468	-1.71936	-1.52153	1.26E7

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-1.637155	-1.606268	0	-32.11	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis -
non-inferiority evaluation - primary estimand - unconditional multiple imputation -
per-protocol analysis set

Parameter Code=HBA1CONV Long label=HbA1c (mmol/mol) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
Number of Imputations 1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.007828	0.310807	0.318643	1.65E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.025213	0.024594	0.999975

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	45.311428	0.564485	44.20506	46.41780	1.65E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	45.031856	45.547264	0	80.27	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis -
 non-inferiority evaluation - primary estimand - unconditional multiple imputation -
 per-protocol analysis set

Parameter Code=HBA1CONV Long label=HbA1c (mmol/mol) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.010696	0.616315	0.627022	3.43E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.017373	0.017076	0.999983

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-4.015768	0.791847	-5.56776	-2.46378	3.43E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-4.366593	-3.738772	0	-5.07	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis -
 non-inferiority evaluation - primary estimand - unconditional multiple imputation -
 per-protocol analysis set

Parameter Code=HBA1CONV Long label=HbA1c (mmol/mol) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.002712	0.301562	0.304276	1.26E7

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.009002	0.008922	0.999991

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	49.327196	0.551613	48.24606	50.40834	1.26E7

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	49.144554	49.482151	0	89.42	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis -
 non-inferiority evaluation - primary estimand - unconditional multiple imputation -
 per-protocol analysis set

Parameter Code=HBA1CONV_CH_ABS_BL Long label=HbA1c (mmol/mol) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.007828	0.310807	0.318643	1.65E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.025213	0.024594	0.999975

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	-21.727227	0.564485	-22.8336 -20.6209	1.65E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-22.006799	-21.491391	0	-38.49	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis -
 non-inferiority evaluation - primary estimand - unconditional multiple imputation -
 per-protocol analysis set

Parameter Code=HBA1CONV_CH_ABS_BL Long label=HbA1c (mmol/mol) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.002712	0.301562	0.304276	1.26E7

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.009002	0.008922	0.999991

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	-17.711459	0.551613	-18.7926 -16.6303	1.26E7

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-17.894101	-17.556504	0	-32.11	<.0001

10: HbA1c after 26 weeks – change from baseline – supportive statistical analysis – non-inferiority evaluation – secondary estimand – MMRM – full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Model Information

Data Set	WORK.MMRMDATA
Dependent Variable	AVAL
Covariance Structure	Unstructured
Subject Effect	USUBJID
Estimation Method	REML
Residual Variance Method	None
Fixed Effects SE Method	Kenward-Roger
Degrees of Freedom Method	Kenward-Roger

Class Level Information

Class	Levels	Values
treatment	2	IDegLira IGlar
region	4	Asia Europe North America South America
PREOAD2	2	SGLT2i + DPP4i ± met ± pio SGLT2i ± metformin(met) ± pioglitazone(pio)
AVISITN	6	100 140 180 220 260 320

HbA1c after 26 weeks - change from baseline - supportive statistical analysis -
 non-inferiority evaluation - secondary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Subject	Estimate
UN(1,1)	USUBJID	32.6392
UN(2,1)	USUBJID	35.7274
UN(2,2)	USUBJID	58.0153
UN(3,1)	USUBJID	31.9383
UN(3,2)	USUBJID	54.5701
UN(3,3)	USUBJID	64.2719
UN(4,1)	USUBJID	28.0130
UN(4,2)	USUBJID	50.3251
UN(4,3)	USUBJID	57.8614
UN(4,4)	USUBJID	64.7455
UN(5,1)	USUBJID	27.0851
UN(5,2)	USUBJID	44.4767
UN(5,3)	USUBJID	52.1033
UN(5,4)	USUBJID	54.7473
UN(5,5)	USUBJID	58.3050
UN(6,1)	USUBJID	25.1338
UN(6,2)	USUBJID	39.8177
UN(6,3)	USUBJID	46.7592
UN(6,4)	USUBJID	49.4464
UN(6,5)	USUBJID	52.7103
UN(6,6)	USUBJID	60.3643

Fit Statistics

-2 Res Log Likelihood	13274.1
AIC (Smaller is Better)	13316.1
AICC (Smaller is Better)	13316.5
BIC (Smaller is Better)	13400.5

Null Model Likelihood Ratio Test

DF	Chi-Square	Pr > ChiSq
20	2996.31	<.0001

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
treatment (AVISITN)	6	384	9.07	<.0001
region (AVISITN)	18	763	1.84	0.0177
PREOAD2 (AVISITN)	6	385	4.18	0.0004
BASE (AVISITN)	6	384	147.81	<.0001

HbA1c after 26 weeks - change from baseline - supportive statistical analysis -
 non-inferiority evaluation - secondary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
 Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD 2
Intercept			
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)

HbA1c after 26 weeks - change from baseline - supportive statistical analysis -
 non-inferiority evaluation - secondary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
 Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1	Row2
Intercept				1	1
treatment(AVISITN)	IDegLira		100		
treatment(AVISITN)	IGlar		100		
treatment(AVISITN)	IDegLira		140		
treatment(AVISITN)	IGlar		140		
treatment(AVISITN)	IDegLira		180		
treatment(AVISITN)	IGlar		180		
treatment(AVISITN)	IDegLira		220		
treatment(AVISITN)	IGlar		220		
treatment(AVISITN)	IDegLira		260		
treatment(AVISITN)	IGlar		260		
treatment(AVISITN)	IDegLira		320	1	
treatment(AVISITN)	IGlar		320		1
region(AVISITN)		Asia	100		
region(AVISITN)		Europe	100		
region(AVISITN)		North America	100		
region(AVISITN)		South America	100		
region(AVISITN)		Asia	140		
region(AVISITN)		Europe	140		
region(AVISITN)		North America	140		
region(AVISITN)		South America	140		
region(AVISITN)		Asia	180		
region(AVISITN)		Europe	180		
region(AVISITN)		North America	180		
region(AVISITN)		South America	180		
region(AVISITN)		Asia	220		
region(AVISITN)		Europe	220		
region(AVISITN)		North America	220		
region(AVISITN)		South America	220		
region(AVISITN)		Asia	260		
region(AVISITN)		Europe	260		
region(AVISITN)		North America	260		
region(AVISITN)		South America	260		
region(AVISITN)		Asia	320	0.1308	0.1308
region(AVISITN)		Europe	320	0.5462	0.5462
region(AVISITN)		North America	320	0.2128	0.2128
region(AVISITN)		South America	320	0.1103	0.1103
PREOAD2(AVISITN)			100		
PREOAD2(AVISITN)			100		
PREOAD2(AVISITN)			140		
PREOAD2(AVISITN)			140		
PREOAD2(AVISITN)			180		
PREOAD2(AVISITN)			180		
PREOAD2(AVISITN)			220		
PREOAD2(AVISITN)			220		
PREOAD2(AVISITN)			260		
PREOAD2(AVISITN)			260		
PREOAD2(AVISITN)			320	0.3231	0.3231
PREOAD2(AVISITN)			320	0.6769	0.6769

HbA1c after 26 weeks - change from baseline - supportive statistical analysis -
non-inferiority evaluation - secondary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD 2
BASE (AVISITN)			
BASE (AVISITN)			
BASE (AVISITN)			
BASE (AVISITN)			
BASE (AVISITN)			
BASE (AVISITN)			

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1	Row2
BASE (AVISITN)			100		
BASE (AVISITN)			140		
BASE (AVISITN)			180		
BASE (AVISITN)			220		
BASE (AVISITN)			260		
BASE (AVISITN)			320	67.079	67.079

Least Squares Means Estimates

Effect	Label	Margins	Estimate	Standard Error	DF	t Value	Pr > t
treatment (AVISITN)	IDegLira	WORK.MMRMDATA	45.2900	0.5542	392.8	81.72	<.0001
treatment (AVISITN)	IGlar	WORK.MMRMDATA	49.2982	0.5469	391.3	90.15	<.0001

Least Squares Means Estimates

Effect	Label	Alpha	Lower	Upper
treatment (AVISITN)	IDegLira	0.05	44.2004	46.3795
treatment (AVISITN)	IGlar	0.05	48.2231	50.3734

HbA1c after 26 weeks - change from baseline - supportive statistical analysis -
non-inferiority evaluation - secondary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Model Information

Data Set	WORK.MMRMDATA
Dependent Variable	CHG
Covariance Structure	Unstructured
Subject Effect	USUBJID
Estimation Method	REML
Residual Variance Method	None
Fixed Effects SE Method	Kenward-Roger
Degrees of Freedom Method	Kenward-Roger

Class Level Information

Class	Levels	Values
treatment	2	IDegLira IGlar
region	4	Asia Europe North America South America
PREOAD2	2	SGLT2i + DPP4i ± met ± pio SGLT2i ± metformin(met) ± pioglitazone(pio)
AVISITN	6	100 140 180 220 260 320

HbA1c after 26 weeks - change from baseline - supportive statistical analysis -
 non-inferiority evaluation - secondary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Subject	Estimate
UN(1,1)	USUBJID	32.6392
UN(2,1)	USUBJID	35.7274
UN(2,2)	USUBJID	58.0153
UN(3,1)	USUBJID	31.9383
UN(3,2)	USUBJID	54.5701
UN(3,3)	USUBJID	64.2719
UN(4,1)	USUBJID	28.0130
UN(4,2)	USUBJID	50.3251
UN(4,3)	USUBJID	57.8614
UN(4,4)	USUBJID	64.7455
UN(5,1)	USUBJID	27.0851
UN(5,2)	USUBJID	44.4767
UN(5,3)	USUBJID	52.1033
UN(5,4)	USUBJID	54.7473
UN(5,5)	USUBJID	58.3050
UN(6,1)	USUBJID	25.1338
UN(6,2)	USUBJID	39.8177
UN(6,3)	USUBJID	46.7592
UN(6,4)	USUBJID	49.4464
UN(6,5)	USUBJID	52.7103
UN(6,6)	USUBJID	60.3643

Fit Statistics

-2 Res Log Likelihood	13274.1
AIC (Smaller is Better)	13316.1
AICC (Smaller is Better)	13316.5
BIC (Smaller is Better)	13400.5

Null Model Likelihood Ratio Test

DF	Chi-Square	Pr > ChiSq
20	2996.31	<.0001

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
treatment(AVISITN)	6	384	9.07	<.0001
region(AVISITN)	18	763	1.84	0.0177
PREOAD2(AVISITN)	6	385	4.18	0.0004
BASE(AVISITN)	6	384	52.83	<.0001

HbA1c after 26 weeks - change from baseline - supportive statistical analysis -
 non-inferiority evaluation - secondary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
 Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD 2
Intercept			
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)

HbA1c after 26 weeks - change from baseline - supportive statistical analysis -
 non-inferiority evaluation - secondary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
 Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1	Row2
Intercept				1	1
treatment(AVISITN)	IDegLira		100		
treatment(AVISITN)	IGlar		100		
treatment(AVISITN)	IDegLira		140		
treatment(AVISITN)	IGlar		140		
treatment(AVISITN)	IDegLira		180		
treatment(AVISITN)	IGlar		180		
treatment(AVISITN)	IDegLira		220		
treatment(AVISITN)	IGlar		220		
treatment(AVISITN)	IDegLira		260		
treatment(AVISITN)	IGlar		260		
treatment(AVISITN)	IDegLira		320	1	
treatment(AVISITN)	IGlar		320		1
region(AVISITN)		Asia	100		
region(AVISITN)		Europe	100		
region(AVISITN)		North America	100		
region(AVISITN)		South America	100		
region(AVISITN)		Asia	140		
region(AVISITN)		Europe	140		
region(AVISITN)		North America	140		
region(AVISITN)		South America	140		
region(AVISITN)		Asia	180		
region(AVISITN)		Europe	180		
region(AVISITN)		North America	180		
region(AVISITN)		South America	180		
region(AVISITN)		Asia	220		
region(AVISITN)		Europe	220		
region(AVISITN)		North America	220		
region(AVISITN)		South America	220		
region(AVISITN)		Asia	260		
region(AVISITN)		Europe	260		
region(AVISITN)		North America	260		
region(AVISITN)		South America	260		
region(AVISITN)		Asia	320	0.1308	0.1308
region(AVISITN)		Europe	320	0.5462	0.5462
region(AVISITN)		North America	320	0.2128	0.2128
region(AVISITN)		South America	320	0.1103	0.1103
PREOAD2(AVISITN)			100		
PREOAD2(AVISITN)			100		
PREOAD2(AVISITN)			140		
PREOAD2(AVISITN)			140		
PREOAD2(AVISITN)			180		
PREOAD2(AVISITN)			180		
PREOAD2(AVISITN)			220		
PREOAD2(AVISITN)			220		
PREOAD2(AVISITN)			260		
PREOAD2(AVISITN)			260		
PREOAD2(AVISITN)			320	0.3231	0.3231
PREOAD2(AVISITN)			320	0.6769	0.6769

HbA1c after 26 weeks - change from baseline - supportive statistical analysis -
non-inferiority evaluation - secondary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD 2
BASE (AVISITN)			
BASE (AVISITN)			
BASE (AVISITN)			
BASE (AVISITN)			
BASE (AVISITN)			
BASE (AVISITN)			

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1	Row2
BASE (AVISITN)			100		
BASE (AVISITN)			140		
BASE (AVISITN)			180		
BASE (AVISITN)			220		
BASE (AVISITN)			260		
BASE (AVISITN)			320	67.079	67.079

Least Squares Means Estimates

Effect	Label	Margins	Estimate	Standard Error	DF	t Value	Pr > t
treatment (AVISITN)	IDegLira	WORK.MMRMDATA	-21.7886	0.5542	392.8	-39.32	<.0001
treatment (AVISITN)	IGlar	WORK.MMRMDATA	-17.7803	0.5469	391.3	-32.51	<.0001

Least Squares Means Estimates

Effect	Label	Alpha	Lower	Upper
treatment (AVISITN)	IDegLira	0.05	-22.8781	-20.6990
treatment (AVISITN)	IGlar	0.05	-18.8555	-16.7051

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD 2
Intercept			
treatment (AVISITN)	IDegLira		
treatment (AVISITN)	IGlar		
treatment (AVISITN)	IDegLira		
treatment (AVISITN)	IGlar		

HbA1c after 26 weeks - change from baseline - supportive statistical analysis -
non-inferiority evaluation - secondary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD 2
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
BASE(AVISITN)			
BASE(AVISITN)			
BASE(AVISITN)			
BASE(AVISITN)			
BASE(AVISITN)			
BASE(AVISITN)			

HbA1c after 26 weeks - change from baseline - supportive statistical analysis -
 non-inferiority evaluation - secondary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
 Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1
Intercept				
treatment(AVISITN)	IDegLira		100	
treatment(AVISITN)	IGlar		100	
treatment(AVISITN)	IDegLira		140	
treatment(AVISITN)	IGlar		140	
treatment(AVISITN)	IDegLira		180	
treatment(AVISITN)	IGlar		180	
treatment(AVISITN)	IDegLira		220	
treatment(AVISITN)	IGlar		220	
treatment(AVISITN)	IDegLira		260	
treatment(AVISITN)	IGlar		260	
treatment(AVISITN)	IDegLira		320	1
treatment(AVISITN)	IGlar		320	-1
region(AVISITN)		Asia	100	
region(AVISITN)		Europe	100	
region(AVISITN)		North America	100	
region(AVISITN)		South America	100	
region(AVISITN)		Asia	140	
region(AVISITN)		Europe	140	
region(AVISITN)		North America	140	
region(AVISITN)		South America	140	
region(AVISITN)		Asia	180	
region(AVISITN)		Europe	180	
region(AVISITN)		North America	180	
region(AVISITN)		South America	180	
region(AVISITN)		Asia	220	
region(AVISITN)		Europe	220	
region(AVISITN)		North America	220	
region(AVISITN)		South America	220	
region(AVISITN)		Asia	260	
region(AVISITN)		Europe	260	
region(AVISITN)		North America	260	
region(AVISITN)		South America	260	
region(AVISITN)		Asia	320	
region(AVISITN)		Europe	320	
region(AVISITN)		North America	320	
region(AVISITN)		South America	320	
PREOAD2(AVISITN)			100	
PREOAD2(AVISITN)			100	
PREOAD2(AVISITN)			140	
PREOAD2(AVISITN)			140	
PREOAD2(AVISITN)			180	
PREOAD2(AVISITN)			180	
PREOAD2(AVISITN)			220	
PREOAD2(AVISITN)			220	
PREOAD2(AVISITN)			260	
PREOAD2(AVISITN)			260	
PREOAD2(AVISITN)			320	
PREOAD2(AVISITN)			320	

HbA1c after 26 weeks - change from baseline - supportive statistical analysis -
 non-inferiority evaluation - secondary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
 Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1
BASE (AVISITN)			100	
BASE (AVISITN)			140	
BASE (AVISITN)			180	
BASE (AVISITN)			220	
BASE (AVISITN)			260	
BASE (AVISITN)			320	

Least Squares Means Estimate

Effect	Label	Margins	Estimate	Standard Error	DF	Test Value
treatment(AVISITN)	IDegLira - IGlar	WORK.MMRMDATA	-4.0083	0.7808	392.2	3.279

Least Squares Means Estimate

Effect	Label	t Value	Pr > t	Alpha	Lower	Upper
treatment(AVISITN)	IDegLira - IGlar	-9.33	<.0001	0.05	-5.5434	-2.4732

11: HbA1c after 26 weeks – change from baseline – statistical sensitivity analysis – non-inferiority evaluation – secondary estimand – LOCF imputation – full analysis set

Parameter Code=C64849B

The Mixed Procedure

Model Information

Data Set	WORK.ADLB
Dependent Variable	AVAL
Covariance Structure	Diagonal
Estimation Method	REML
Residual Variance Method	Profile
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Residual

Class Level Information

Class	Levels	Values
TRTP	2	IDegLira IGLar
REGION	4	Asia Europe North America South America
PREOAD2	2	SGLT2i + DPP4i ± met ± pio SGLT2i ± metformin(met) ± pioglitazone(pio)

Dimensions

Covariance Parameters	1
Columns in X	10
Columns in Z	0
Subjects	1
Max Obs per Subject	419

Number of Observations

Number of Observations Read	419
Number of Observations Used	419
Number of Observations Not Used	0

Covariance Parameter
Estimates

Cov Parm	Estimate
Residual	0.5861

Fit Statistics

-2 Res Log Likelihood	981.9
AIC (Smaller is Better)	983.9
AICC (Smaller is Better)	983.9
BIC (Smaller is Better)	987.9

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis - non-inferiority evaluation - secondary estimand - LOCF imputation - full analysis set

Parameter Code=C64849B

The Mixed Procedure

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TRTP	1	412	17.22	<.0001
BASE	1	412	71.42	<.0001
REGION	3	412	1.00	0.3907
PREOAD2	1	412	9.80	0.0019

Coefficients for TRTP Least Squares Means Estimates Using WORK.ADLB Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD 2	Row1
Intercept				1
TRTP	IDegLira			1
TRTP	IGlar			
BASE				8.2785
REGION		Asia		0.1384
REGION		Europe		0.5418
REGION		North America		0.2124
REGION		South America		0.1074
PREOAD2			SGLT2i + DPP4i + met + pio	0.3222
PREOAD2			SGLT2i + metformin(met) + pioglitazone(pio)	0.6778

Coefficients for TRTP Least Squares Means Estimates Using WORK.ADLB Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD 2	Row2
Intercept				1
TRTP	IDegLira			
TRTP	IGlar			1
BASE				8.2785
REGION		Asia		0.1384
REGION		Europe		0.5418
REGION		North America		0.2124
REGION		South America		0.1074
PREOAD2			SGLT2i + DPP4i + met + pio	0.3222
PREOAD2			SGLT2i + metformin(met) + pioglitazone(pio)	0.6778

Least Squares Means Estimates

Effect	Label	Margins	Estimate	Standard Error	DF	t Value	Pr > t	Alpha
TRTP	IDegLira	WORK.ADLB	6.3839	0.05309	412	120.24	<.0001	0.05
TRTP	IGlar	WORK.ADLB	6.6960	0.05297	412	126.42	<.0001	0.05

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis -
non-inferiority evaluation - secondary estimand - LOCF imputation - full analysis set

Parameter Code=C64849B

The Mixed Procedure

Least Squares Means Estimates

Effect	Label	Lower	Upper
TRTP	IDegLira	6.2796	6.4883
TRTP	IGlar	6.5919	6.8001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis -
 non-inferiority evaluation - secondary estimand - LOCF imputation - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Model Information

Data Set	WORK.ADLB
Dependent Variable	AVAL
Covariance Structure	Diagonal
Estimation Method	REML
Residual Variance Method	Profile
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Residual

Class Level Information

Class	Levels	Values
TRTP	2	IDegLira IGLar
REGION	4	Asia Europe North America South America
PREOAD2	2	SGLT2i + DPP4i ± met ± pio SGLT2i ± metformin(met) ± pioglitazone(pio)

Dimensions

Covariance Parameters	1
Columns in X	10
Columns in Z	0
Subjects	1
Max Obs per Subject	419

Number of Observations

Number of Observations Read	419
Number of Observations Used	419
Number of Observations Not Used	0

Covariance Parameter Estimates

Cov Parm	Estimate
Residual	70.0211

Fit Statistics

-2 Res Log Likelihood	2957.3
AIC (Smaller is Better)	2959.3
AICC (Smaller is Better)	2959.3
BIC (Smaller is Better)	2963.3

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis -
non-inferiority evaluation - secondary estimand - LOCF imputation - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TRTP	1	412	17.22	<.0001
BASE	1	412	71.42	<.0001
REGION	3	412	1.00	0.3907
PREOAD2	1	412	9.80	0.0019

Coefficients for TRTP Least Squares Means Estimates Using WORK.ADLB Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD 2	Row1
Intercept				1
TRTP	IDegLira			1
TRTP	IGlar			
BASE				66.984
REGION		Asia		0.1384
REGION		Europe		0.5418
REGION		North America		0.2124
REGION		South America		0.1074
PREOAD2			SGLT2i + DPP4i + met + pio	0.3222
PREOAD2			SGLT2i + metformin(met) + pioglitazone(pio)	0.6778

Coefficients for TRTP Least Squares Means Estimates Using WORK.ADLB Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD 2	Row2
Intercept				1
TRTP	IDegLira			
TRTP	IGlar			1
BASE				66.984
REGION		Asia		0.1384
REGION		Europe		0.5418
REGION		North America		0.2124
REGION		South America		0.1074
PREOAD2			SGLT2i + DPP4i + met + pio	0.3222
PREOAD2			SGLT2i + metformin(met) + pioglitazone(pio)	0.6778

Least Squares Means Estimates

Effect	Label	Margins	Estimate	Standard Error	DF	t Value	Pr > t	Alpha
TRTP	IDegLira	WORK.ADLB	46.2766	0.5803	412	79.75	<.0001	0.05
TRTP	IGlar	WORK.ADLB	49.6870	0.5789	412	85.83	<.0001	0.05

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis -
non-inferiority evaluation - secondary estimand - LOCF imputation - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Least Squares Means Estimates

Effect	Label	Lower	Upper
TRTP	IDegLira	45.1358	47.4173
TRTP	IGlar	48.5490	50.8250

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis -
 non-inferiority evaluation - secondary estimand - LOCF imputation - full analysis set

Parameter Code=C64849B

The Mixed Procedure

Model Information

Data Set	WORK.ADLB
Dependent Variable	CHG
Covariance Structure	Diagonal
Estimation Method	REML
Residual Variance Method	Profile
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Residual

Class Level Information

Class	Levels	Values
TRTP	2	IDegLira IGLar
REGION	4	Asia Europe North America South America
PREOAD2	2	SGLT2i + DPP4i ± met ± pio SGLT2i ± metformin(met) ± pioglitazone(pio)

Dimensions

Covariance Parameters	1
Columns in X	10
Columns in Z	0
Subjects	1
Max Obs per Subject	419

Number of Observations

Number of Observations Read	419
Number of Observations Used	419
Number of Observations Not Used	0

Covariance Parameter Estimates

Cov Parm	Estimate
Residual	0.5861

Fit Statistics

-2 Res Log Likelihood	981.9
AIC (Smaller is Better)	983.9
AICC (Smaller is Better)	983.9
BIC (Smaller is Better)	987.9

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis -
non-inferiority evaluation - secondary estimand - LOCF imputation - full analysis set

Parameter Code=C64849B

The Mixed Procedure

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TRTP	1	412	17.22	<.0001
BASE	1	412	268.78	<.0001
REGION	3	412	1.00	0.3907
PREOAD2	1	412	9.80	0.0019

Coefficients for TRTP Least Squares Means Estimates Using WORK.ADLB Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD 2	Row1
Intercept				1
TRTP	IDegLira			1
TRTP	IGlar			
BASE				8.2785
REGION		Asia		0.1384
REGION		Europe		0.5418
REGION		North America		0.2124
REGION		South America		0.1074
PREOAD2			SGLT2i + DPP4i + met + pio	0.3222
PREOAD2			SGLT2i + metformin(met) + pioglitazone(pio)	0.6778

Coefficients for TRTP Least Squares Means Estimates Using WORK.ADLB Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD 2	Row2
Intercept				1
TRTP	IDegLira			
TRTP	IGlar			1
BASE				8.2785
REGION		Asia		0.1384
REGION		Europe		0.5418
REGION		North America		0.2124
REGION		South America		0.1074
PREOAD2			SGLT2i + DPP4i + met + pio	0.3222
PREOAD2			SGLT2i + metformin(met) + pioglitazone(pio)	0.6778

Least Squares Means Estimates

Effect	Label	Margins	Estimate	Standard Error	DF	t Value	Pr > t	Alpha
TRTP	IDegLira	WORK.ADLB	-1.8946	0.05309	412	-35.68	<.0001	0.05
TRTP	IGlar	WORK.ADLB	-1.5825	0.05297	412	-29.88	<.0001	0.05

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis -
 non-inferiority evaluation - secondary estimand - LOCF imputation - full analysis set

Parameter Code=C64849B

The Mixed Procedure

Least Squares Means Estimates

Effect	Label	Lower	Upper
TRTP	IDegLira	-1.9989	-1.7902
TRTP	IGlar	-1.6867	-1.4784

Coefficients for TRTP Least Squares Means Estimates Using WORK.ADLB Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD 2	Row1
Intercept				
TRTP	IDegLira			1
TRTP	IGlar			-1
BASE				
REGION		Asia		
REGION		Europe		
REGION		North America		
REGION		South America		
PREOAD2			SGLT2i + DPP4i ± met ± pio	
PREOAD2			SGLT2i ± metformin(met) ± pioglitazone(pio)	

Least Squares Means Estimate

Effect	Label	Margins	Estimate	Standard Error	DF	Test Value	t Value
TRTP	IDegLira - IGlar	WORK.ADLB	-0.3120	0.07519	412	0.300	-8.14

Least Squares Means Estimate

Effect	Label	Pr > t	Alpha	Lower	Upper
TRTP	IDegLira - IGlar	<.0001	0.05	-0.4598	-0.1642

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis -
 non-inferiority evaluation - secondary estimand - LOCF imputation - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Model Information

Data Set	WORK.ADLB
Dependent Variable	CHG
Covariance Structure	Diagonal
Estimation Method	REML
Residual Variance Method	Profile
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Residual

Class Level Information

Class	Levels	Values
TRTP	2	IDegLira IGLar
REGION	4	Asia Europe North America South America
PREOAD2	2	SGLT2i + DPP4i ± met ± pio SGLT2i ± metformin(met) ± pioglitazone(pio)

Dimensions

Covariance Parameters	1
Columns in X	10
Columns in Z	0
Subjects	1
Max Obs per Subject	419

Number of Observations

Number of Observations Read	419
Number of Observations Used	419
Number of Observations Not Used	0

Covariance Parameter Estimates

Cov Parm	Estimate
Residual	70.0211

Fit Statistics

-2 Res Log Likelihood	2957.3
AIC (Smaller is Better)	2959.3
AICC (Smaller is Better)	2959.3
BIC (Smaller is Better)	2963.3

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis -
non-inferiority evaluation - secondary estimand - LOCF imputation - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TRTP	1	412	17.22	<.0001
BASE	1	412	268.78	<.0001
REGION	3	412	1.00	0.3907
PREOAD2	1	412	9.80	0.0019

Coefficients for TRTP Least Squares Means Estimates Using WORK.ADLB Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD 2	Row1
Intercept				1
TRTP	IDegLira			1
TRTP	IGlar			
BASE				66.984
REGION		Asia		0.1384
REGION		Europe		0.5418
REGION		North America		0.2124
REGION		South America		0.1074
PREOAD2			SGLT2i + DPP4i + met + pio	0.3222
PREOAD2			SGLT2i + metformin(met) + pioglitazone(pio)	0.6778

Coefficients for TRTP Least Squares Means Estimates Using WORK.ADLB Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD 2	Row2
Intercept				1
TRTP	IDegLira			
TRTP	IGlar			1
BASE				66.984
REGION		Asia		0.1384
REGION		Europe		0.5418
REGION		North America		0.2124
REGION		South America		0.1074
PREOAD2			SGLT2i + DPP4i + met + pio	0.3222
PREOAD2			SGLT2i + metformin(met) + pioglitazone(pio)	0.6778

Least Squares Means Estimates

Effect	Label	Margins	Estimate	Standard Error	DF	t Value	Pr > t	Alpha
TRTP	IDegLira	WORK.ADLB	-20.7077	0.5803	412	-35.68	<.0001	0.05
TRTP	IGlar	WORK.ADLB	-17.2972	0.5789	412	-29.88	<.0001	0.05

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis -
 non-inferiority evaluation - secondary estimand - LOCF imputation - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Least Squares Means Estimates

Effect	Label	Lower	Upper
TRTP	IDegLira	-21.8484	-19.5669
TRTP	IGlar	-18.4352	-16.1592

Coefficients for TRTP Least Squares Means Estimates Using WORK.ADLB Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD 2	Row1
Intercept				
TRTP	IDegLira			1
TRTP	IGlar			-1
BASE				
REGION		Asia		
REGION		Europe		
REGION		North America		
REGION		South America		
PREOAD2			SGLT2i + DPP4i ± met ± pio	
PREOAD2			SGLT2i ± metformin(met) ± pioglitazone(pio)	

Least Squares Means Estimate

Effect	Label	Margins	Estimate	Standard Error	DF	Test Value	t Value
TRTP	IDegLira - IGlar	WORK.ADLB	-3.4104	0.8218	412	3.279	-8.14

Least Squares Means Estimate

Effect	Label	Pr > t	Alpha	Lower	Upper
TRTP	IDegLira - IGlar	<.0001	0.05	-5.0259	-1.7950

12: HbA1c after 26 weeks – change from baseline – confirmatory statistical analysis – superiority evaluation – primary estimand – unconditional multiple imputation – full analysis set

Parameter Code=C64849B Long label=HbA1c (%) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000190	0.002493	0.002683	198709

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.076316	0.070914	0.999929

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	6.318150	0.051796	6.216631	6.419669	198709

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	6.276570	6.362635	0	121.98	<.0001

HbA1c after 26 weeks - change from baseline - confirmatory statistical analysis - superiority evaluation - primary estimand - unconditional multiple imputation - full analysis set

Parameter Code=C64849B Long label=HbA1c (%) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000228	0.005008	0.005235	527834

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.045483	0.043508	0.999956

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-0.356549	0.072356	-0.49836	-0.21473	527834

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.402857	-0.303554	0	-4.93	<.0001

HbA1c after 26 weeks - change from baseline - confirmatory statistical analysis - superiority evaluation - primary estimand - unconditional multiple imputation - full analysis set

Parameter Code=C64849B Long label=HbA1c (%) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000054445	0.002493	0.002547	2.18E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.021864	0.021397	0.999979

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	6.674699	0.050469	6.575782	6.773616	2.18E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	6.646748	6.699719	0	132.25	<.0001

HbA1c after 26 weeks - change from baseline - confirmatory statistical analysis - superiority evaluation - primary estimand - unconditional multiple imputation - full analysis set

Parameter Code=C64849B_CH_ABS_BL Long label=HbA1c (%) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000190	0.002493	0.002683	198709

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.076316	0.070914	0.999929

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-1.964231	0.051796	-2.06575	-1.86271	198709

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-2.005811	-1.919746	0	-37.92	<.0001

HbA1c after 26 weeks - change from baseline - confirmatory statistical analysis - superiority evaluation - primary estimand - unconditional multiple imputation - full analysis set

Parameter Code=C64849B_CH_ABS_BL Long label=HbA1c (%) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000054445	0.002493	0.002547	2.18E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.021864	0.021397	0.999979

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-1.607682	0.050469	-1.70660	-1.50876	2.18E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-1.635633	-1.582662	0	-31.85	<.0001

HbA1c after 26 weeks - change from baseline - confirmatory statistical analysis - superiority evaluation - primary estimand - unconditional multiple imputation - full analysis set

Parameter Code=HBA1CONV Long label=HbA1c (mmol/mol) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.022702	0.297778	0.320503	198709

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.076316	0.070914	0.999929

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	45.557377	0.566130	44.44778	46.66698	198709

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	45.102914	46.043600	0	80.47	<.0001

HbA1c after 26 weeks - change from baseline - confirmatory statistical analysis - superiority evaluation - primary estimand - unconditional multiple imputation - full analysis set

Parameter Code=HBA1CONV Long label=HbA1c (mmol/mol) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.027183	0.598238	0.625448	527834

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.045483	0.043508	0.999956

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-3.897082	0.790853	-5.44713	-2.34704	527834

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-4.403228	-3.317850	0	-4.93	<.0001

HbA1c after 26 weeks - change from baseline - confirmatory statistical analysis - superiority evaluation - primary estimand - unconditional multiple imputation - full analysis set

Parameter Code=HBA1CONV Long label=HbA1c (mmol/mol) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.006504	0.297778	0.304289	2.18E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.021864	0.021397	0.999979

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	49.454459	0.551624	48.37330	50.53562	2.18E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	49.148960	49.727927	0	89.65	<.0001

HbA1c after 26 weeks - change from baseline - confirmatory statistical analysis - superiority evaluation - primary estimand - unconditional multiple imputation - full analysis set

Parameter Code=HBA1CONV_CH_ABS_BL Long label=HbA1c (mmol/mol) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.022702	0.297778	0.320503	198709

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.076316	0.070914	0.999929

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-21.469046	0.566130	-22.5786	-20.3594	198709

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0:	
				Parameter=Theta0	Pr > t
estimate	-21.923510	-20.982823	0	-37.92	<.0001

HbA1c after 26 weeks - change from baseline - confirmatory statistical analysis - superiority evaluation - primary estimand - unconditional multiple imputation - full analysis set

Parameter Code=HBA1CONV_CH_ABS_BL Long label=HbA1c (mmol/mol) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.006504	0.297778	0.304289	2.18E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.021864	0.021397	0.999979

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-17.571965	0.551624	-18.6531	-16.4908	2.18E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-17.877464	-17.298497	0	-31.85	<.0001

13: HbA1c after 26 weeks – change from baseline – statistical sensitivity analysis – superiority evaluation – primary estimand – conditional multiple imputation – full analysis set

Parameter Code=C64849B Long label=HbA1c (%) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.000113	0.002496	0.002610	530482

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.045364	0.043399	0.999957

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	6.317811	0.051085	6.217687 6.417936	530482

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	6.282398	6.351370	0	123.67	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis - superiority evaluation - primary estimand - conditional multiple imputation - full analysis set

Parameter Code=C64849B Long label=HbA1c (%) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.000154	0.005015	0.005169	1.13E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.030638	0.029729	0.999970

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	-0.356609	0.071896	-0.49752 -0.21570	1.13E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.394547	-0.318253	0	-4.96	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis - superiority evaluation - primary estimand - conditional multiple imputation - full analysis set

Parameter Code=C64849B Long label=HbA1c (%) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.000056836	0.002496	0.002553	2.01E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.022790	0.022283	0.999978

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	6.674420	0.050530	6.575383 6.773458	2.01E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	6.647774	6.700726	0	132.09	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis - superiority evaluation - primary estimand - conditional multiple imputation - full analysis set

Parameter Code=C64849B_CH_ABS_BL Long label=HbA1c (%) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.000113	0.002496	0.002610	530482

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.045364	0.043399	0.999957

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	-1.964570	0.051085	-2.06469 -1.86444	530482

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-1.999983	-1.931011	0	-38.46	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis - superiority evaluation - primary estimand - conditional multiple imputation - full analysis set

Parameter Code=C64849B_CH_ABS_BL Long label=HbA1c (%) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.000056836	0.002496	0.002553	2.01E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.022790	0.022283	0.999978

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	-1.607961	0.050530	-1.70700 -1.50892	2.01E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-1.634607	-1.581655	0	-31.82	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis - superiority evaluation - primary estimand - conditional multiple imputation - full analysis set

Parameter Code=HBA1CONV Long label=HbA1c (mmol/mol) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.013516	0.298234	0.311764	530482

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.045364	0.043399	0.999957

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	45.553679	0.558358	44.45931 46.64804	530482

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	45.166614	45.920473	0	81.59	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis - superiority evaluation - primary estimand - conditional multiple imputation - full analysis set

Parameter Code=HBA1CONV Long label=HbA1c (mmol/mol) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.018338	0.599155	0.617511	1.13E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.030638	0.029729	0.999970

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	-3.897737	0.785819	-5.43792 -2.35756	1.13E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-4.312399	-3.478503	0	-4.96	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis - superiority evaluation - primary estimand - conditional multiple imputation - full analysis set

Parameter Code=HBA1CONV Long label=HbA1c (mmol/mol) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.006790	0.298234	0.305031	2.01E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.022790	0.022283	0.999978

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	49.451415	0.552296	48.36893 50.53390	2.01E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	49.160170	49.738938	0	89.54	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis - superiority evaluation - primary estimand - conditional multiple imputation - full analysis set

Parameter Code=HBA1CONV_CH_ABS_BL Long label=HbA1c (mmol/mol) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.013516	0.298234	0.311764	530482

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.045364	0.043399	0.999957

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	-21.472745	0.558358	-22.5671 -20.3784	530482

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-21.859810	-21.105951	0	-38.46	<.0001

HbA1c after 26 weeks - change from baseline - statistical sensitivity analysis - superiority evaluation - primary estimand - conditional multiple imputation - full analysis set

Parameter Code=HBA1CONV_CH_ABS_BL Long label=HbA1c (mmol/mol) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.006790	0.298234	0.305031	2.01E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.022790	0.022283	0.999978

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	-17.575008	0.552296	-18.6575 -16.4925	2.01E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-17.866253	-17.287486	0	-31.82	<.0001

14: HbA1c after 26 weeks – change from baseline – supportive statistical analysis – superiority evaluation – secondary estimand – MMRM – full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Model Information

Data Set	WORK.MMRMDATA
Dependent Variable	AVAL
Covariance Structure	Unstructured
Subject Effect	USUBJID
Estimation Method	REML
Residual Variance Method	None
Fixed Effects SE Method	Kenward-Roger
Degrees of Freedom Method	Kenward-Roger

Class Level Information

Class	Levels	Values
treatment	2	IDegLira IGlar
region	4	Asia Europe North America South America
PREOAD2	2	SGLT2i + DPP4i ± met ± pio SGLT2i ± metformin(met) ± pioglitazone(pio)
AVISITN	6	100 140 180 220 260 320

HbA1c after 26 weeks - change from baseline - supportive statistical analysis -
 superiority evaluation - secondary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Subject	Estimate
UN(1,1)	USUBJID	32.6392
UN(2,1)	USUBJID	35.7274
UN(2,2)	USUBJID	58.0153
UN(3,1)	USUBJID	31.9383
UN(3,2)	USUBJID	54.5701
UN(3,3)	USUBJID	64.2719
UN(4,1)	USUBJID	28.0130
UN(4,2)	USUBJID	50.3251
UN(4,3)	USUBJID	57.8614
UN(4,4)	USUBJID	64.7455
UN(5,1)	USUBJID	27.0851
UN(5,2)	USUBJID	44.4767
UN(5,3)	USUBJID	52.1033
UN(5,4)	USUBJID	54.7473
UN(5,5)	USUBJID	58.3050
UN(6,1)	USUBJID	25.1338
UN(6,2)	USUBJID	39.8177
UN(6,3)	USUBJID	46.7592
UN(6,4)	USUBJID	49.4464
UN(6,5)	USUBJID	52.7103
UN(6,6)	USUBJID	60.3643

Fit Statistics

-2 Res Log Likelihood	13274.1
AIC (Smaller is Better)	13316.1
AICC (Smaller is Better)	13316.5
BIC (Smaller is Better)	13400.5

Null Model Likelihood Ratio Test

DF	Chi-Square	Pr > ChiSq
20	2996.31	<.0001

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
treatment (AVISITN)	6	384	9.07	<.0001
region (AVISITN)	18	763	1.84	0.0177
PREOAD2 (AVISITN)	6	385	4.18	0.0004
BASE (AVISITN)	6	384	147.81	<.0001

HbA1c after 26 weeks - change from baseline - supportive statistical analysis -
superiority evaluation - secondary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD 2
Intercept			
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)

HbA1c after 26 weeks - change from baseline - supportive statistical analysis -
 superiority evaluation - secondary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
 Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1	Row2
Intercept				1	1
treatment(AVISITN)	IDegLira		100		
treatment(AVISITN)	IGlar		100		
treatment(AVISITN)	IDegLira		140		
treatment(AVISITN)	IGlar		140		
treatment(AVISITN)	IDegLira		180		
treatment(AVISITN)	IGlar		180		
treatment(AVISITN)	IDegLira		220		
treatment(AVISITN)	IGlar		220		
treatment(AVISITN)	IDegLira		260		
treatment(AVISITN)	IGlar		260		
treatment(AVISITN)	IDegLira		320	1	
treatment(AVISITN)	IGlar		320		1
region(AVISITN)		Asia	100		
region(AVISITN)		Europe	100		
region(AVISITN)		North America	100		
region(AVISITN)		South America	100		
region(AVISITN)		Asia	140		
region(AVISITN)		Europe	140		
region(AVISITN)		North America	140		
region(AVISITN)		South America	140		
region(AVISITN)		Asia	180		
region(AVISITN)		Europe	180		
region(AVISITN)		North America	180		
region(AVISITN)		South America	180		
region(AVISITN)		Asia	220		
region(AVISITN)		Europe	220		
region(AVISITN)		North America	220		
region(AVISITN)		South America	220		
region(AVISITN)		Asia	260		
region(AVISITN)		Europe	260		
region(AVISITN)		North America	260		
region(AVISITN)		South America	260		
region(AVISITN)		Asia	320	0.1308	0.1308
region(AVISITN)		Europe	320	0.5462	0.5462
region(AVISITN)		North America	320	0.2128	0.2128
region(AVISITN)		South America	320	0.1103	0.1103
PREOAD2(AVISITN)			100		
PREOAD2(AVISITN)			100		
PREOAD2(AVISITN)			140		
PREOAD2(AVISITN)			140		
PREOAD2(AVISITN)			180		
PREOAD2(AVISITN)			180		
PREOAD2(AVISITN)			220		
PREOAD2(AVISITN)			220		
PREOAD2(AVISITN)			260		
PREOAD2(AVISITN)			260		
PREOAD2(AVISITN)			320	0.3231	0.3231
PREOAD2(AVISITN)			320	0.6769	0.6769

HbA1c after 26 weeks - change from baseline - supportive statistical analysis - superiority evaluation - secondary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD 2
BASE (AVISITN)			
BASE (AVISITN)			
BASE (AVISITN)			
BASE (AVISITN)			
BASE (AVISITN)			
BASE (AVISITN)			

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1	Row2
BASE (AVISITN)			100		
BASE (AVISITN)			140		
BASE (AVISITN)			180		
BASE (AVISITN)			220		
BASE (AVISITN)			260		
BASE (AVISITN)			320	67.079	67.079

Least Squares Means Estimates

Effect	Label	Margins	Estimate	Standard Error	DF	t Value	Pr > t
treatment (AVISITN)	IDegLira	WORK.MMRMDATA	45.2900	0.5542	392.8	81.72	<.0001
treatment (AVISITN)	IGlar	WORK.MMRMDATA	49.2982	0.5469	391.3	90.15	<.0001

Least Squares Means Estimates

Effect	Label	Alpha	Lower	Upper
treatment (AVISITN)	IDegLira	0.05	44.2004	46.3795
treatment (AVISITN)	IGlar	0.05	48.2231	50.3734

HbA1c after 26 weeks - change from baseline - supportive statistical analysis -
superiority evaluation - secondary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Model Information

Data Set	WORK.MMRMDATA
Dependent Variable	CHG
Covariance Structure	Unstructured
Subject Effect	USUBJID
Estimation Method	REML
Residual Variance Method	None
Fixed Effects SE Method	Kenward-Roger
Degrees of Freedom Method	Kenward-Roger

Class Level Information

Class	Levels	Values
treatment	2	IDegLira IGlar
region	4	Asia Europe North America South America
PREOAD2	2	SGLT2i + DPP4i ± met ± pio SGLT2i ± metformin(met) ± pioglitazone(pio)
AVISITN	6	100 140 180 220 260 320

HbA1c after 26 weeks - change from baseline - supportive statistical analysis -
 superiority evaluation - secondary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Subject	Estimate
UN(1,1)	USUBJID	32.6392
UN(2,1)	USUBJID	35.7274
UN(2,2)	USUBJID	58.0153
UN(3,1)	USUBJID	31.9383
UN(3,2)	USUBJID	54.5701
UN(3,3)	USUBJID	64.2719
UN(4,1)	USUBJID	28.0130
UN(4,2)	USUBJID	50.3251
UN(4,3)	USUBJID	57.8614
UN(4,4)	USUBJID	64.7455
UN(5,1)	USUBJID	27.0851
UN(5,2)	USUBJID	44.4767
UN(5,3)	USUBJID	52.1033
UN(5,4)	USUBJID	54.7473
UN(5,5)	USUBJID	58.3050
UN(6,1)	USUBJID	25.1338
UN(6,2)	USUBJID	39.8177
UN(6,3)	USUBJID	46.7592
UN(6,4)	USUBJID	49.4464
UN(6,5)	USUBJID	52.7103
UN(6,6)	USUBJID	60.3643

Fit Statistics

-2 Res Log Likelihood	13274.1
AIC (Smaller is Better)	13316.1
AICC (Smaller is Better)	13316.5
BIC (Smaller is Better)	13400.5

Null Model Likelihood Ratio Test

DF	Chi-Square	Pr > ChiSq
20	2996.31	<.0001

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
treatment (AVISITN)	6	384	9.07	<.0001
region (AVISITN)	18	763	1.84	0.0177
PREOAD2 (AVISITN)	6	385	4.18	0.0004
BASE (AVISITN)	6	384	52.83	<.0001

HbA1c after 26 weeks - change from baseline - supportive statistical analysis -
 superiority evaluation - secondary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
 Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD 2
Intercept			
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)

HbA1c after 26 weeks - change from baseline - supportive statistical analysis -
 superiority evaluation - secondary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
 Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1	Row2
Intercept				1	1
treatment(AVISITN)	IDegLira		100		
treatment(AVISITN)	IGlar		100		
treatment(AVISITN)	IDegLira		140		
treatment(AVISITN)	IGlar		140		
treatment(AVISITN)	IDegLira		180		
treatment(AVISITN)	IGlar		180		
treatment(AVISITN)	IDegLira		220		
treatment(AVISITN)	IGlar		220		
treatment(AVISITN)	IDegLira		260		
treatment(AVISITN)	IGlar		260		
treatment(AVISITN)	IDegLira		320	1	
treatment(AVISITN)	IGlar		320		1
region(AVISITN)		Asia	100		
region(AVISITN)		Europe	100		
region(AVISITN)		North America	100		
region(AVISITN)		South America	100		
region(AVISITN)		Asia	140		
region(AVISITN)		Europe	140		
region(AVISITN)		North America	140		
region(AVISITN)		South America	140		
region(AVISITN)		Asia	180		
region(AVISITN)		Europe	180		
region(AVISITN)		North America	180		
region(AVISITN)		South America	180		
region(AVISITN)		Asia	220		
region(AVISITN)		Europe	220		
region(AVISITN)		North America	220		
region(AVISITN)		South America	220		
region(AVISITN)		Asia	260		
region(AVISITN)		Europe	260		
region(AVISITN)		North America	260		
region(AVISITN)		South America	260		
region(AVISITN)		Asia	320	0.1308	0.1308
region(AVISITN)		Europe	320	0.5462	0.5462
region(AVISITN)		North America	320	0.2128	0.2128
region(AVISITN)		South America	320	0.1103	0.1103
PREOAD2(AVISITN)			100		
PREOAD2(AVISITN)			100		
PREOAD2(AVISITN)			140		
PREOAD2(AVISITN)			140		
PREOAD2(AVISITN)			180		
PREOAD2(AVISITN)			180		
PREOAD2(AVISITN)			220		
PREOAD2(AVISITN)			220		
PREOAD2(AVISITN)			260		
PREOAD2(AVISITN)			260		
PREOAD2(AVISITN)			320	0.3231	0.3231
PREOAD2(AVISITN)			320	0.6769	0.6769

HbA1c after 26 weeks - change from baseline - supportive statistical analysis - superiority evaluation - secondary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD 2
BASE (AVISITN)			
BASE (AVISITN)			
BASE (AVISITN)			
BASE (AVISITN)			
BASE (AVISITN)			
BASE (AVISITN)			

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1	Row2
BASE (AVISITN)			100		
BASE (AVISITN)			140		
BASE (AVISITN)			180		
BASE (AVISITN)			220		
BASE (AVISITN)			260		
BASE (AVISITN)			320	67.079	67.079

Least Squares Means Estimates

Effect	Label	Margins	Estimate	Standard Error	DF	t Value	Pr > t
treatment (AVISITN)	IDegLira	WORK.MMRMDATA	-21.7886	0.5542	392.8	-39.32	<.0001
treatment (AVISITN)	IGlar	WORK.MMRMDATA	-17.7803	0.5469	391.3	-32.51	<.0001

Least Squares Means Estimates

Effect	Label	Alpha	Lower	Upper
treatment (AVISITN)	IDegLira	0.05	-22.8781	-20.6990
treatment (AVISITN)	IGlar	0.05	-18.8555	-16.7051

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD 2
Intercept			
treatment (AVISITN)	IDegLira		
treatment (AVISITN)	IGlar		
treatment (AVISITN)	IDegLira		
treatment (AVISITN)	IGlar		

HbA1c after 26 weeks - change from baseline - supportive statistical analysis -
superiority evaluation - secondary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD 2
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
BASE(AVISITN)			
BASE(AVISITN)			
BASE(AVISITN)			
BASE(AVISITN)			
BASE(AVISITN)			
BASE(AVISITN)			

HbA1c after 26 weeks - change from baseline - supportive statistical analysis -
 superiority evaluation - secondary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
 Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1
Intercept				
treatment(AVISITN)	IDegLira		100	
treatment(AVISITN)	IGlar		100	
treatment(AVISITN)	IDegLira		140	
treatment(AVISITN)	IGlar		140	
treatment(AVISITN)	IDegLira		180	
treatment(AVISITN)	IGlar		180	
treatment(AVISITN)	IDegLira		220	
treatment(AVISITN)	IGlar		220	
treatment(AVISITN)	IDegLira		260	
treatment(AVISITN)	IGlar		260	
treatment(AVISITN)	IDegLira		320	1
treatment(AVISITN)	IGlar		320	-1
region(AVISITN)		Asia	100	
region(AVISITN)		Europe	100	
region(AVISITN)		North America	100	
region(AVISITN)		South America	100	
region(AVISITN)		Asia	140	
region(AVISITN)		Europe	140	
region(AVISITN)		North America	140	
region(AVISITN)		South America	140	
region(AVISITN)		Asia	180	
region(AVISITN)		Europe	180	
region(AVISITN)		North America	180	
region(AVISITN)		South America	180	
region(AVISITN)		Asia	220	
region(AVISITN)		Europe	220	
region(AVISITN)		North America	220	
region(AVISITN)		South America	220	
region(AVISITN)		Asia	260	
region(AVISITN)		Europe	260	
region(AVISITN)		North America	260	
region(AVISITN)		South America	260	
region(AVISITN)		Asia	320	
region(AVISITN)		Europe	320	
region(AVISITN)		North America	320	
region(AVISITN)		South America	320	
PREOAD2(AVISITN)			100	
PREOAD2(AVISITN)			100	
PREOAD2(AVISITN)			140	
PREOAD2(AVISITN)			140	
PREOAD2(AVISITN)			180	
PREOAD2(AVISITN)			180	
PREOAD2(AVISITN)			220	
PREOAD2(AVISITN)			220	
PREOAD2(AVISITN)			260	
PREOAD2(AVISITN)			260	
PREOAD2(AVISITN)			320	
PREOAD2(AVISITN)			320	

HbA1c after 26 weeks - change from baseline - supportive statistical analysis -
 superiority evaluation - secondary estimand - MMRM - full analysis set

Parameter Code=HBA1CONV

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
 Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1
BASE (AVISITN)			100	
BASE (AVISITN)			140	
BASE (AVISITN)			180	
BASE (AVISITN)			220	
BASE (AVISITN)			260	
BASE (AVISITN)			320	

Least Squares Means Estimate

Effect	Label	Margins	Estimate	Standard Error	DF	Test Value
treatment(AVISITN)	IDegLira - IGlar	WORK.MMRMDATA	-4.0083	0.7808	392.2	0

Least Squares Means Estimate

Effect	Label	t Value	Pr > t	Alpha	Lower	Upper
treatment(AVISITN)	IDegLira - IGlar	-5.13	<.0001	0.05	-5.5434	-2.4732

15: Responder for HbA1c treatment target – supportive statistical analysis – unconditional multiple imputation – full analysis set

NAME OF FORMER VARIABLE=HBA_BL65 arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.002724	0.033066	0.035793	172120

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.082467	0.076195	0.999924

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	0.882293	0.189190	0.511484 1.253102	172120

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	0.728538	1.028823	0	4.66	<.0001

Responder for HbA1c treatment target - supportive statistical analysis - unconditional multiple imputation - full analysis set

NAME OF FORMER VARIABLE=HBA_BL65 arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.002721	0.047748	0.050472	342931

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.057053	0.053979	0.999946

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	1.000361	0.224659	0.560036 1.440687	342931

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	0.864801	1.146789	0	4.45	<.0001

Responder for HbA1c treatment target - supportive statistical analysis - unconditional multiple imputation - full analysis set

NAME OF FORMER VARIABLE=HBA_BL65 arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.000949	0.028163	0.029113	938511

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.033726	0.032628	0.999967

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-0.118068	0.170624	-0.45249	0.216350	938511

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.211152	-0.037793	0	-0.69	0.4890

Responder for HbA1c treatment target - supportive statistical analysis - unconditional multiple imputation - full analysis set

NAME OF FORMER VARIABLE=HBA_BL7 arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.005931	0.051256	0.057192	92720

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.115822	0.103819	0.999896

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	1.704975	0.239149	1.236245	2.173706	92720

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	1.447253	1.909019	0	7.13	<.0001

Responder for HbA1c treatment target - supportive statistical analysis - unconditional multiple imputation - full analysis set

NAME OF FORMER VARIABLE=HBA_BL7 arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.005021	0.066442	0.071468	201963

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.075652	0.070340	0.999930

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	0.682486	0.267335	0.158516 1.206456	201963

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	0.450014	0.861934	0	2.55	0.0107

Responder for HbA1c treatment target - supportive statistical analysis - unconditional multiple imputation - full analysis set

NAME OF FORMER VARIABLE=HBA_BL7 arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.001401	0.037467	0.038869	767201

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.037436	0.036088	0.999964

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	1.022490	0.197153	0.636076 1.408903	767201

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	0.860669	1.124095	0	5.19	<.0001

16: Responder for HbA1c treatment target without treatment emergent severe or BG confirmed symptomatic hypoglycaemic episodes - supportive statistical analysis - unconditional multiple imputation - full analysis set

NAME OF FORMER VARIABLE=HBA6SCHY arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.002221	0.030641	0.032865	218297

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.072557	0.067657	0.999932

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	0.671955	0.181286	0.316639 1.027271	218297

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	0.533095	0.808456	0	3.71	0.0002

Responder for HbA1c treatment target without treatment emergent severe or BG confirmed symptomatic hypoglycaemic episodes - supportive statistical analysis - unconditional multiple imputation - full analysis set

NAME OF FORMER VARIABLE=HBA6SCHY arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.002355	0.046136	0.048493	422637

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.051103	0.048623	0.999951

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	1.238012	0.220212	0.806402	1.669621	422637

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	1.112273	1.375522	0	5.62	<.0001

Responder for HbA1c treatment target without treatment emergent severe or BG confirmed symptomatic hypoglycaemic episodes - supportive statistical analysis - unconditional multiple imputation - full analysis set

NAME OF FORMER VARIABLE=HBA6SCHY arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.001001	0.029261	0.030263	911117

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.034247	0.033115	0.999967

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-0.566057	0.173964	-0.90702	-0.22509	911117

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.659128	-0.485398	0	-3.25	0.0011

Responder for HbA1c treatment target without treatment emergent severe or BG confirmed symptomatic hypoglycaemic episodes - supportive statistical analysis - unconditional multiple imputation - full analysis set

NAME OF FORMER VARIABLE=HBA7SCHY arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.003601	0.039755	0.043359	144553

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.090670	0.083145	0.999917

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	1.338251	0.208229	0.930125	1.746376	144553

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0:	
				Parameter=Theta0	Pr > t
estimate	1.135312	1.498384	0	6.43	<.0001

Responder for HbA1c treatment target without treatment emergent severe or BG confirmed symptomatic hypoglycaemic episodes - supportive statistical analysis - unconditional multiple imputation - full analysis set

NAME OF FORMER VARIABLE=HBA7SCHY arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.003267	0.053462	0.056732	300604

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.061175	0.057654	0.999942

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	1.015501	0.238186	0.548664	1.482338	300604

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	0.824341	1.156644	0	4.26	<.0001

Responder for HbA1c treatment target without treatment emergent severe or BG confirmed symptomatic hypoglycaemic episodes - supportive statistical analysis - unconditional multiple imputation - full analysis set

NAME OF FORMER VARIABLE=HBA7SCHY arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000841	0.029239	0.030081	1.28E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.028795	0.027991	0.999972

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	0.322750	0.173440	-0.01719	0.662686	1.28E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0:	
				Parameter=Theta0	Pr > t
estimate	0.206622	0.405509	0	1.86	0.0628

17: Responder for HbA1c treatment target without weight gain – supportive statistical analysis – unconditional multiple imputation – full analysis set

NAME OF FORMER VARIABLE=HB65WOWG arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.001296	0.031979	0.033276	657420

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.040563	0.038985	0.999961

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-0.482081	0.182417	-0.83961	-0.12455	657420

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.545200	-0.344838	0	-2.64	0.0082

Responder for HbA1c treatment target without weight gain - supportive statistical analysis - unconditional multiple imputation - full analysis set

NAME OF FORMER VARIABLE=HB65WOWG arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.002486	0.065852	0.068341	753403

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.037790	0.036417	0.999964

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	1.554299	0.261420	1.041923 2.066674	753403

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	1.395682	1.704628	0	5.95	<.0001

Responder for HbA1c treatment target without weight gain - supportive statistical analysis - unconditional multiple imputation - full analysis set

NAME OF FORMER VARIABLE=HB65WOWG arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.002225	0.055969	0.058196	682307

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.039787	0.038267	0.999962

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	-2.036380	0.241238	-2.50920 -1.56356	682307

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-2.120047	-1.871731	0	-8.44	<.0001

Responder for HbA1c treatment target without weight gain - supportive statistical analysis - unconditional multiple imputation - full analysis set

NAME OF FORMER VARIABLE=HBA7WOWG arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.001676	0.030126	0.031804	358914

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.055696	0.052763	0.999947

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	-0.295667	0.178338	-0.64520 0.053870	358914

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.384561	-0.159546	0	-1.66	0.0973

Responder for HbA1c treatment target without weight gain - supportive statistical analysis - unconditional multiple imputation - full analysis set

NAME OF FORMER VARIABLE=HBA7WOWG arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.002228	0.054282	0.056512	641442

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.041086	0.039467	0.999961

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	1.260191	0.237722	0.794263 1.726119	641442

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	1.100887	1.418580	0	5.30	<.0001

Responder for HbA1c treatment target without weight gain - supportive statistical analysis - unconditional multiple imputation - full analysis set

NAME OF FORMER VARIABLE=HBA7WOWG arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.001734	0.042784	0.044519	657347

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.040565	0.038987	0.999961

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	-1.555858	0.210996	-1.96940 -1.14231	657347

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-1.641939	-1.419967	0	-7.37	<.0001

18: Responder for HbA1c treatment target without treatment emergent severe or BG confirmed symptomatic hypoglycaemic episodes and weight gain – supportive statistical analysis – unconditional multiple imputation – full analysis set

NAME OF FORMER VARIABLE=H6WRSCHY arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.001364	0.032304	0.033670	607576

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.042263	0.040552	0.999959

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	-0.598404	0.183493	-0.95804 -0.23876	607576

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.662769	-0.457509	0	-3.26	0.0011

Responder for HbA1c treatment target without treatment emergent severe or BG confirmed symptomatic hypoglycaemic episodes and weight gain - supportive statistical analysis - unconditional multiple imputation - full analysis set

NAME OF FORMER VARIABLE=H6WRSCHY arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.002657	0.068992	0.071652	724942

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.038553	0.037125	0.999963

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	1.514910	0.267678	0.990269	2.039551	724942

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	1.350778	1.659853	0	5.66	<.0001

Responder for HbA1c treatment target without treatment emergent severe or BG confirmed symptomatic hypoglycaemic episodes and weight gain - supportive statistical analysis - unconditional multiple imputation - full analysis set

NAME OF FORMER VARIABLE=H6WRSCHY arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.002579	0.058838	0.061419	565674

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.043868	0.042028	0.999958

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-2.113313	0.247828	-2.59905	-1.62758	565674

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-2.209909	-1.935463	0	-8.53	<.0001

Responder for HbA1c treatment target without treatment emergent severe or BG confirmed symptomatic hypoglycaemic episodes and weight gain - supportive statistical analysis - unconditional multiple imputation - full analysis set

NAME OF FORMER VARIABLE=H7WRSCHY arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.001700	0.030393	0.032095	355265

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.055998	0.053033	0.999947

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-0.421513	0.179151	-0.77264	-0.07038	355265

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0:	
				Parameter=Theta0	Pr > t
estimate	-0.510976	-0.284378	0	-2.35	0.0186

Responder for HbA1c treatment target without treatment emergent severe or BG confirmed symptomatic hypoglycaemic episodes and weight gain - supportive statistical analysis - unconditional multiple imputation - full analysis set

NAME OF FORMER VARIABLE=H7WRSCHY arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.002341	0.056591	0.058934	631896

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.041408	0.039764	0.999960

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	1.212724	0.242764	0.736914	1.688533	631896

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	1.044142	1.373596	0	5.00	<.0001

Responder for HbA1c treatment target without treatment emergent severe or BG confirmed symptomatic hypoglycaemic episodes and weight gain - supportive statistical analysis - unconditional multiple imputation - full analysis set

NAME OF FORMER VARIABLE=H7WRSCHY arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.001972	0.044686	0.046660	558077

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.044178	0.042313	0.999958

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-1.634237	0.216010	-2.05761	-1.21086	558077

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-1.731690	-1.487757	0	-7.57	<.0001

19: Body weight after 26 weeks– change from baseline – confirmatory statistical analysis – primary estimand – unconditional multiple imputation – full analysis set

Parameter Code=C25208X Long label=Body weight (kg) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.003988	0.065245	0.069237	300520

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.061184	0.057662	0.999942

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	88.288901	0.263130	87.77317 88.80463	300520

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	88.070037	88.480084	0	335.53	<.0001

Body weight after 26 weeks- change from baseline - confirmatory statistical analysis -
 primary estimand - unconditional multiple imputation - full analysis set

Parameter Code=C25208X Long label=Body weight (kg) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.004760	0.130881	0.135646	809503

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.036409	0.035132	0.999965

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-1.915549	0.368302	-2.63741	-1.19369	809503

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-2.127176	-1.708668	0	-5.20	<.0001

Body weight after 26 weeks- change from baseline - confirmatory statistical analysis -
 primary estimand - unconditional multiple imputation - full analysis set

Parameter Code=C25208X Long label=Body weight (kg) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.001018	0.065245	0.066265	4.22E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.015625	0.015385	0.999985

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	90.204450	0.257420	89.69992	90.70898	4.22E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	90.082280	90.300164	0	350.42	<.0001

Body weight after 26 weeks- change from baseline - confirmatory statistical analysis -
 primary estimand - unconditional multiple imputation - full analysis set

Parameter Code=C25208X_CH_ABS_BL Long label=Body weight (kg) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.003988	0.065245	0.069237	300520

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.061184	0.057662	0.999942

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	0.054263	0.263130	-0.46146	0.569991	300520

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.164601	0.245446	0	0.21	0.8366

Body weight after 26 weeks- change from baseline - confirmatory statistical analysis -
 primary estimand - unconditional multiple imputation - full analysis set

Parameter Code=C25208X_CH_ABS_BL Long label=Body weight (kg) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.001018	0.065245	0.066265	4.22E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.015625	0.015385	0.999985

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	1.969812	0.257420	1.465278	2.474346	4.22E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	1.847642	2.065526	0	7.65	<.0001

Body weight after 26 weeks- change from baseline - confirmatory statistical analysis - primary estimand - unconditional multiple imputation - full analysis set

Parameter Code=WEIGHTU Long label=Body weight (lb) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.019383	0.317117	0.336519	300520

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.061184	0.057662	0.999942

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	194.643708	0.580103	193.5067	195.7807	300520

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	194.161196	195.065194	0	335.53	<.0001

Body weight after 26 weeks- change from baseline - confirmatory statistical analysis -
 primary estimand - unconditional multiple imputation - full analysis set

Parameter Code=WEIGHTU Long label=Body weight (lb) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.023137	0.636129	0.659290	809503

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.036409	0.035132	0.999965

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-4.223063	0.811967	-5.81449	-2.63163	809503

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-4.689621	-3.766969	0	-5.20	<.0001

Body weight after 26 weeks- change from baseline - confirmatory statistical analysis - primary estimand - unconditional multiple imputation - full analysis set

Parameter Code=WEIGHTU Long label=Body weight (lb) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.004950	0.317117	0.322072	4.22E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.015625	0.015385	0.999985

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	198.866771	0.567513	197.7545	199.9791	4.22E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	198.597433	199.077785	0	350.42	<.0001

Body weight after 26 weeks- change from baseline - confirmatory statistical analysis -
 primary estimand - unconditional multiple imputation - full analysis set

Parameter Code=WEIGHTU_CH_ABS_BL Long label=Body weight (lb) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.019383	0.317117	0.336519	300520

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.061184	0.057662	0.999942

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	0.119629	0.580103	-1.01736	1.256614	300520

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.362883	0.541116	0	0.21	0.8366

Body weight after 26 weeks- change from baseline - confirmatory statistical analysis -
primary estimand - unconditional multiple imputation - full analysis set

Parameter Code=WEIGHTU_CH_ABS_BL Long label=Body weight (lb) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.004950	0.317117	0.322072	4.22E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.015625	0.015385	0.999985

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	4.342692	0.567513	3.230386	5.454998	4.22E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	4.073354	4.553706	0	7.65	<.0001

20: Body weight after 26 weeks – change from baseline – statistical sensitivity analysis – primary estimand – conditional multiple imputation – full analysis set

Parameter Code=C25208X Long label=Body weight (kg) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.002588	0.065480	0.068071	689737

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.039563	0.038060	0.999962

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	88.234686	0.260904	87.72332 88.74605	689737

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	88.033907	88.402648	0	338.19	<.0001

Body weight after 26 weeks - change from baseline - statistical sensitivity analysis -
 primary estimand - conditional multiple imputation - full analysis set

Parameter Code=C25208X Long label=Body weight (kg) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.003315	0.131352	0.134671	1.65E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.025266	0.024644	0.999975

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-1.970309	0.366976	-2.68957	-1.25105	1.65E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-2.154593	-1.735454	0	-5.37	<.0001

Body weight after 26 weeks - change from baseline - statistical sensitivity analysis -
 primary estimand - conditional multiple imputation - full analysis set

Parameter Code=C25208X Long label=Body weight (kg) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000979	0.065480	0.066461	4.59E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.014973	0.014753	0.999985

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	90.204995	0.257800	89.69972	90.71027	4.59E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	90.107022	90.299858	0	349.90	<.0001

Body weight after 26 weeks - change from baseline - statistical sensitivity analysis -
 primary estimand - conditional multiple imputation - full analysis set

Parameter Code=C25208X_CH_ABS_BL Long label=Body weight (kg) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.002588	0.065480	0.068071	689737

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.039563	0.038060	0.999962

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	0.000048450	0.260904	-0.51132	0.511412	689737

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.200730	0.168010	0	0.00	0.9999

Body weight after 26 weeks - change from baseline - statistical sensitivity analysis -
 primary estimand - conditional multiple imputation - full analysis set

Parameter Code=C25208X_CH_ABS_BL Long label=Body weight (kg) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000979	0.065480	0.066461	4.59E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.014973	0.014753	0.999985

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	1.970358	0.257800	1.465079	2.475637	4.59E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	1.872384	2.065220	0	7.64	<.0001

Body weight after 26 weeks - change from baseline - statistical sensitivity analysis -
primary estimand - conditional multiple imputation - full analysis set

Parameter Code=WEIGHTU Long label=Body weight (lb) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.012579	0.318259	0.330850	689737

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.039563	0.038060	0.999962

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	194.524185	0.575196	193.3968	195.6515	689737

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	194.081544	194.894477	0	338.19	<.0001

Body weight after 26 weeks - change from baseline - statistical sensitivity analysis -
 primary estimand - conditional multiple imputation - full analysis set

Parameter Code=WEIGHTU Long label=Body weight (lb) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.016114	0.638420	0.654551	1.65E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.025266	0.024644	0.999975

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-4.343788	0.809043	-5.92948	-2.75809	1.65E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-4.750065	-3.826022	0	-5.37	<.0001

Body weight after 26 weeks - change from baseline - statistical sensitivity analysis -
 primary estimand - conditional multiple imputation - full analysis set

Parameter Code=WEIGHTU Long label=Body weight (lb) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.004761	0.318259	0.323024	4.59E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.014973	0.014753	0.999985

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	198.867973	0.568352	197.7540	199.9819	4.59E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	198.651978	199.077109	0	349.90	<.0001

Body weight after 26 weeks - change from baseline - statistical sensitivity analysis -
 primary estimand - conditional multiple imputation - full analysis set

Parameter Code=WEIGHTU_CH_ABS_BL Long label=Body weight (lb) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.012579	0.318259	0.330850	689737

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.039563	0.038060	0.999962

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	0.000107	0.575196	-1.12726	1.127471	689737

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.442535	0.370398	0	0.00	0.9999

Body weight after 26 weeks - change from baseline - statistical sensitivity analysis -
 primary estimand - conditional multiple imputation - full analysis set

Parameter Code=WEIGHTU_CH_ABS_BL Long label=Body weight (lb) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.004761	0.318259	0.323024	4.59E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.014973	0.014753	0.999985

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	4.343895	0.568352	3.229945	5.457844	4.59E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	4.127900	4.553030	0	7.64	<.0001

21: Body weight after 26 weeks – change from baseline – supportive statistical analysis – secondary estimand – MMRM – full analysis set

Parameter Code=WEIGHTU

The Mixed Procedure

Model Information

Data Set	WORK.MMRMDATA
Dependent Variable	AVAL
Covariance Structure	Unstructured
Subject Effect	USUBJID
Estimation Method	REML
Residual Variance Method	None
Fixed Effects SE Method	Kenward-Roger
Degrees of Freedom Method	Kenward-Roger

Class Level Information

Class	Levels	Values
treatment	2	IDegLira IGlar
region	4	Asia Europe North America South America
PREOAD2	2	SGLT2i + DPP4i ± met ± pio SGLT2i ± metformin(met) ± pioglitazone(pio)
AVISITN	6	100 140 180 220 260 320

Body weight after 26 weeks - change from baseline - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=WEIGHTU

The Mixed Procedure

Class Level Information

[illegible]

Body weight after 26 weeks - change from baseline - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=WEIGHTU

The Mixed Procedure

[illegible]


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nn9068/nn9068-4229/ctr_20180124_er
12MAR2018:13:00:48 - t stat supp bw mmrm fas/t app t stat supp bw mmrm fas.txt
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Body weight after 26 weeks - change from baseline - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=WEIGHTU

The Mixed Procedure

[illegible]

Dimensions

Covariance Parameters	21
Columns in X	55
Columns in Z	0
Subjects	410
Max Obs per Subject	6

Number of Observations

Number of Observations Read	2399
Number of Observations Used	2399
Number of Observations Not Used	0

Iteration History

Iteration	Evaluations	-2 Res Log Like	Criterion
0	1	15449.64119078	
1	2	12381.35114827	0.00043465
2	1	12379.43178118	0.00001233
3	1	12379.38112966	0.00000001
4	1	12379.38107911	0.00000000

Convergence criteria met.

Body weight after 26 weeks - change from baseline - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=WEIGHTU

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Subject	Estimate
UN(1,1)	USUBJID	12.0891
UN(2,1)	USUBJID	11.9573
UN(2,2)	USUBJID	21.2025
UN(3,1)	USUBJID	13.0337
UN(3,2)	USUBJID	21.1194
UN(3,3)	USUBJID	32.8220
UN(4,1)	USUBJID	14.2577
UN(4,2)	USUBJID	22.5882
UN(4,3)	USUBJID	33.0651
UN(4,4)	USUBJID	42.2178
UN(5,1)	USUBJID	15.4655
UN(5,2)	USUBJID	24.5993
UN(5,3)	USUBJID	36.2999
UN(5,4)	USUBJID	44.7781
UN(5,5)	USUBJID	56.2047
UN(6,1)	USUBJID	16.6431
UN(6,2)	USUBJID	26.6811
UN(6,3)	USUBJID	38.6477
UN(6,4)	USUBJID	46.7782
UN(6,5)	USUBJID	56.3245
UN(6,6)	USUBJID	68.1692

Fit Statistics

-2 Res Log Likelihood	12379.4
AIC (Smaller is Better)	12421.4
AICC (Smaller is Better)	12421.8
BIC (Smaller is Better)	12505.7

Null Model Likelihood Ratio Test

DF	Chi-Square	Pr > ChiSq
20	3070.26	<.0001

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
treatment(AVISITN)	6	382	6.26	<.0001
region(AVISITN)	18	761	3.41	<.0001
PREOAD2(AVISITN)	6	382	0.86	0.5217
BASE(AVISITN)	6	386	7336.08	<.0001

Body weight after 26 weeks - change from baseline - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=WEIGHTU

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
 Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD
Intercept			
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)

Body weight after 26 weeks - change from baseline - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=WEIGHTU

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
 Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1	Row2
Intercept				1	1
treatment(AVISITN)	IDegLira		100		
treatment(AVISITN)	IGlar		100		
treatment(AVISITN)	IDegLira		140		
treatment(AVISITN)	IGlar		140		
treatment(AVISITN)	IDegLira		180		
treatment(AVISITN)	IGlar		180		
treatment(AVISITN)	IDegLira		220		
treatment(AVISITN)	IGlar		220		
treatment(AVISITN)	IDegLira		260		
treatment(AVISITN)	IGlar		260		
treatment(AVISITN)	IDegLira		320	1	
treatment(AVISITN)	IGlar		320		1
region(AVISITN)		Asia	100		
region(AVISITN)		Europe	100		
region(AVISITN)		North America	100		
region(AVISITN)		South America	100		
region(AVISITN)		Asia	140		
region(AVISITN)		Europe	140		
region(AVISITN)		North America	140		
region(AVISITN)		South America	140		
region(AVISITN)		Asia	180		
region(AVISITN)		Europe	180		
region(AVISITN)		North America	180		
region(AVISITN)		South America	180		
region(AVISITN)		Asia	220		
region(AVISITN)		Europe	220		
region(AVISITN)		North America	220		
region(AVISITN)		South America	220		
region(AVISITN)		Asia	260		
region(AVISITN)		Europe	260		
region(AVISITN)		North America	260		
region(AVISITN)		South America	260		
region(AVISITN)		Asia	320	0.1294	0.1294
region(AVISITN)		Europe	320	0.5508	0.5508
region(AVISITN)		North America	320	0.2107	0.2107
region(AVISITN)		South America	320	0.1091	0.1091
PREOAD2(AVISITN)			100		
PREOAD2(AVISITN)			100		
PREOAD2(AVISITN)			140		
PREOAD2(AVISITN)			140		
PREOAD2(AVISITN)			180		
PREOAD2(AVISITN)			180		
PREOAD2(AVISITN)			220		
PREOAD2(AVISITN)			220		
PREOAD2(AVISITN)			260		
PREOAD2(AVISITN)			260		
PREOAD2(AVISITN)			320	0.3249	0.3249
PREOAD2(AVISITN)			320	0.6751	0.6751

Body weight after 26 weeks - change from baseline - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=WEIGHTU

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD
BASE (AVISITN)			
BASE (AVISITN)			
BASE (AVISITN)			
BASE (AVISITN)			
BASE (AVISITN)			
BASE (AVISITN)			

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1	Row2
BASE (AVISITN)			100		
BASE (AVISITN)			140		
BASE (AVISITN)			180		
BASE (AVISITN)			220		
BASE (AVISITN)			260		
BASE (AVISITN)			320	194.58	194.58

Least Squares Means Estimates

Effect	Label	Margins	Estimate	Standard Error	DF	t Value	Pr > t
treatment(AVISITN)	IDegLira	WORK.MMRMDATA	194.44	0.5865	385	331.55	<.0001
treatment(AVISITN)	IGlar	WORK.MMRMDATA	199.05	0.5788	382.8	343.91	<.0001

Least Squares Means Estimates

Effect	Label	Alpha	Lower	Upper
treatment(AVISITN)	IDegLira	0.05	193.29	195.60
treatment(AVISITN)	IGlar	0.05	197.91	200.19

Body weight after 26 weeks - change from baseline - supportive statistical analysis -
secondary estimand - MMRM - full analysis set

Parameter Code=WEIGHTU

The Mixed Procedure

Model Information

Data Set	WORK.MMRMDATA
Dependent Variable	CHG
Covariance Structure	Unstructured
Subject Effect	USUBJID
Estimation Method	REML
Residual Variance Method	None
Fixed Effects SE Method	Kenward-Roger
Degrees of Freedom Method	Kenward-Roger

Class Level Information

Class	Levels	Values
treatment	2	IDegLira IGlar
region	4	Asia Europe North America South America
PREOAD2	2	SGLT2i + DPP4i ± met ± pio SGLT2i ± metformin(met) ± pioglitazone(pio)
AVISITN	6	100 140 180 220 260 320

Body weight after 26 weeks - change from baseline - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=WEIGHTU

The Mixed Procedure

Class Level Information

[illegible]

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nn9068/nn9068-4229/ctr_20180124_er
12MAR2018:13:00:48 - t stat supp bw mmrm fas/t app t stat supp bw mmrm fas.txt
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Body weight after 26 weeks - change from baseline - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=WEIGHTU

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Subject	Estimate
UN(1,1)	USUBJID	12.0891
UN(2,1)	USUBJID	11.9573
UN(2,2)	USUBJID	21.2025
UN(3,1)	USUBJID	13.0337
UN(3,2)	USUBJID	21.1194
UN(3,3)	USUBJID	32.8220
UN(4,1)	USUBJID	14.2577
UN(4,2)	USUBJID	22.5882
UN(4,3)	USUBJID	33.0651
UN(4,4)	USUBJID	42.2178
UN(5,1)	USUBJID	15.4655
UN(5,2)	USUBJID	24.5993
UN(5,3)	USUBJID	36.2999
UN(5,4)	USUBJID	44.7781
UN(5,5)	USUBJID	56.2047
UN(6,1)	USUBJID	16.6431
UN(6,2)	USUBJID	26.6811
UN(6,3)	USUBJID	38.6477
UN(6,4)	USUBJID	46.7782
UN(6,5)	USUBJID	56.3245
UN(6,6)	USUBJID	68.1692

Fit Statistics

-2 Res Log Likelihood	12379.4
AIC (Smaller is Better)	12421.4
AICC (Smaller is Better)	12421.8
BIC (Smaller is Better)	12505.7

Null Model Likelihood Ratio Test

DF	Chi-Square	Pr > ChiSq
20	3070.26	<.0001

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
treatment(AVISITN)	6	382	6.26	<.0001
region(AVISITN)	18	761	3.41	<.0001
PREOAD2(AVISITN)	6	382	0.86	0.5217
BASE(AVISITN)	6	386	5.25	<.0001

Body weight after 26 weeks - change from baseline - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=WEIGHTU

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD
Intercept			
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)

Body weight after 26 weeks - change from baseline - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=WEIGHTU

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
 Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1	Row2
Intercept				1	1
treatment(AVISITN)	IDegLira		100		
treatment(AVISITN)	IGlar		100		
treatment(AVISITN)	IDegLira		140		
treatment(AVISITN)	IGlar		140		
treatment(AVISITN)	IDegLira		180		
treatment(AVISITN)	IGlar		180		
treatment(AVISITN)	IDegLira		220		
treatment(AVISITN)	IGlar		220		
treatment(AVISITN)	IDegLira		260		
treatment(AVISITN)	IGlar		260		
treatment(AVISITN)	IDegLira		320	1	
treatment(AVISITN)	IGlar		320		1
region(AVISITN)		Asia	100		
region(AVISITN)		Europe	100		
region(AVISITN)		North America	100		
region(AVISITN)		South America	100		
region(AVISITN)		Asia	140		
region(AVISITN)		Europe	140		
region(AVISITN)		North America	140		
region(AVISITN)		South America	140		
region(AVISITN)		Asia	180		
region(AVISITN)		Europe	180		
region(AVISITN)		North America	180		
region(AVISITN)		South America	180		
region(AVISITN)		Asia	220		
region(AVISITN)		Europe	220		
region(AVISITN)		North America	220		
region(AVISITN)		South America	220		
region(AVISITN)		Asia	260		
region(AVISITN)		Europe	260		
region(AVISITN)		North America	260		
region(AVISITN)		South America	260		
region(AVISITN)		Asia	320	0.1294	0.1294
region(AVISITN)		Europe	320	0.5508	0.5508
region(AVISITN)		North America	320	0.2107	0.2107
region(AVISITN)		South America	320	0.1091	0.1091
PREOAD2(AVISITN)			100		
PREOAD2(AVISITN)			100		
PREOAD2(AVISITN)			140		
PREOAD2(AVISITN)			140		
PREOAD2(AVISITN)			180		
PREOAD2(AVISITN)			180		
PREOAD2(AVISITN)			220		
PREOAD2(AVISITN)			220		
PREOAD2(AVISITN)			260		
PREOAD2(AVISITN)			260		
PREOAD2(AVISITN)			320	0.3249	0.3249
PREOAD2(AVISITN)			320	0.6751	0.6751

Body weight after 26 weeks - change from baseline - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=WEIGHTU

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD
BASE (AVISITN)			
BASE (AVISITN)			
BASE (AVISITN)			
BASE (AVISITN)			
BASE (AVISITN)			
BASE (AVISITN)			

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1	Row2
BASE (AVISITN)			100		
BASE (AVISITN)			140		
BASE (AVISITN)			180		
BASE (AVISITN)			220		
BASE (AVISITN)			260		
BASE (AVISITN)			320	194.58	194.58

Least Squares Means Estimates

Effect	Label	Margins	Estimate	Standard Error	DF	t Value	Pr > t
treatment (AVISITN)	IDegLira	WORK.MMRMDATA	-0.1374	0.5865	385	-0.23	0.8149
treatment (AVISITN)	IGlar	WORK.MMRMDATA	4.4710	0.5788	382.8	7.72	<.0001

Least Squares Means Estimates

Effect	Label	Alpha	Lower	Upper
treatment (AVISITN)	IDegLira	0.05	-1.2905	1.0157
treatment (AVISITN)	IGlar	0.05	3.3330	5.6090

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD
Intercept			
treatment (AVISITN)	IDegLira		
treatment (AVISITN)	IGlar		
treatment (AVISITN)	IDegLira		
treatment (AVISITN)	IGlar		

Body weight after 26 weeks - change from baseline - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=WEIGHTU

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Pre Trial OAD
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
treatment(AVISITN)	IDegLira		
treatment(AVISITN)	IGlar		
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
region(AVISITN)		Asia	
region(AVISITN)		Europe	
region(AVISITN)		North America	
region(AVISITN)		South America	
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
PREOAD2(AVISITN)			SGLT2i + DPP4i ± met ± pio
PREOAD2(AVISITN)			SGLT2i ± metformin(met) ± pioglitazone(pio)
BASE(AVISITN)			
BASE(AVISITN)			
BASE(AVISITN)			
BASE(AVISITN)			
BASE(AVISITN)			
BASE(AVISITN)			

Body weight after 26 weeks - change from baseline - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=WEIGHTU

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
 Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1
Intercept				
treatment(AVISITN)	IDegLira		100	
treatment(AVISITN)	IGlar		100	
treatment(AVISITN)	IDegLira		140	
treatment(AVISITN)	IGlar		140	
treatment(AVISITN)	IDegLira		180	
treatment(AVISITN)	IGlar		180	
treatment(AVISITN)	IDegLira		220	
treatment(AVISITN)	IGlar		220	
treatment(AVISITN)	IDegLira		260	
treatment(AVISITN)	IGlar		260	
treatment(AVISITN)	IDegLira		320	1
treatment(AVISITN)	IGlar		320	-1
region(AVISITN)		Asia	100	
region(AVISITN)		Europe	100	
region(AVISITN)		North America	100	
region(AVISITN)		South America	100	
region(AVISITN)		Asia	140	
region(AVISITN)		Europe	140	
region(AVISITN)		North America	140	
region(AVISITN)		South America	140	
region(AVISITN)		Asia	180	
region(AVISITN)		Europe	180	
region(AVISITN)		North America	180	
region(AVISITN)		South America	180	
region(AVISITN)		Asia	220	
region(AVISITN)		Europe	220	
region(AVISITN)		North America	220	
region(AVISITN)		South America	220	
region(AVISITN)		Asia	260	
region(AVISITN)		Europe	260	
region(AVISITN)		North America	260	
region(AVISITN)		South America	260	
region(AVISITN)		Asia	320	
region(AVISITN)		Europe	320	
region(AVISITN)		North America	320	
region(AVISITN)		South America	320	
PREOAD2(AVISITN)			100	
PREOAD2(AVISITN)			100	
PREOAD2(AVISITN)			140	
PREOAD2(AVISITN)			140	
PREOAD2(AVISITN)			180	
PREOAD2(AVISITN)			180	
PREOAD2(AVISITN)			220	
PREOAD2(AVISITN)			220	
PREOAD2(AVISITN)			260	
PREOAD2(AVISITN)			260	
PREOAD2(AVISITN)			320	
PREOAD2(AVISITN)			320	

Body weight after 26 weeks - change from baseline - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=WEIGHTU

The Mixed Procedure

Coefficients for treatment(AVISITN) Least Squares
 Means Estimates Using WORK.MMRMDATA Margins

Effect	Planned Treatment	Geographic Region 1	Analysis Visit (N)	Row1
BASE (AVISITN)			100	
BASE (AVISITN)			140	
BASE (AVISITN)			180	
BASE (AVISITN)			220	
BASE (AVISITN)			260	
BASE (AVISITN)			320	

Least Squares Means Estimate

Effect	Label	Margins	Estimate	Standard Error	DF	Test Value
treatment(AVISITN)	IDegLira - IGlar	WORK.MMRMDATA	-4.6084	0.8251	384	0

Least Squares Means Estimate

Effect	Label	t Value	Pr > t	Alpha	Lower	Upper
treatment(AVISITN)	IDegLira - IGlar	-5.59	<.0001	0.05	-6.2307	-2.9861

22: Waist circumference after 26 weeks – change from baseline – supportive statistical analysis – unconditional multiple imputation – full analysis set

Parameter Code=MEANWAIC Long label=Mean waist circumference (cm) arm=IDegLira _arm= ' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.006124	0.083196	0.089326	212137

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.073680	0.068632	0.999931

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	104.788429	0.298875	104.2026	105.3742	212137

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	104.448172	105.013684	0	350.61	<.0001

Waist circumference after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=MEANWAIC Long label=Mean waist circumference (cm) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.008653	0.166823	0.175485	410065

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.051921	0.049363	0.999951

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-1.242436	0.418909	-2.06349	-0.42139	410065

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-1.520857	-0.962437	0	-2.97	0.0030

Waist circumference after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=MEANWAIC Long label=Mean waist circumference (cm) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.003299	0.083196	0.086498	685462

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.039691	0.038179	0.999962

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	106.030864	0.294106	105.4544 106.6073	685462

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	105.854736	106.253020	0	360.52	<.0001

Waist circumference after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=MEANWAIC_CH_ABS_BL Long label=Mean waist circumference (cm) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.006124	0.083196	0.089326	212137

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.073680	0.068632	0.999931

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-0.541209	0.298875	-1.12700	0.044578	212137

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.881466	-0.315954	0	-1.81	0.0702

Waist circumference after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=MEANWAIC_CH_ABS_BL Long label=Mean waist circumference (cm) arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.003299	0.083196	0.086498	685462

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.039691	0.038179	0.999962

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	0.701226	0.294106	0.124788	1.277665	685462

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	0.525098	0.923382	0	2.38	0.0171

23: Fasting plasma glucose after 26 weeks – change from baseline – supportive statistical analysis – unconditional multiple imputation – full analysis set

Parameter Code=C105585P Long label=Fasting plasma glucose (mmol/L) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.001230	0.011727	0.012959	110643

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.104998	0.095038	0.999905

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	5.749374	0.113837	5.526256	5.972493	110643

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	5.628654	5.853302	0	50.51	<.0001

Fasting plasma glucose after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=C105585P Long label=Fasting plasma glucose (mmol/L) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.001798	0.023490	0.025289	197318

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.076605	0.071163	0.999929

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-0.326601	0.159025	-0.63829	-0.01492	197318

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.451655	-0.177921	0	-2.05	0.0400

Fasting plasma glucose after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=C105585P Long label=Fasting plasma glucose (mmol/L) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000667	0.011727	0.012395	344548

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.056911	0.053852	0.999946

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	6.075975	0.111332	5.857767	6.294183	344548

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	5.975791	6.161435	0	54.58	<.0001

Fasting plasma glucose after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=C105585P_CH_ABS_BL Long label=Fasting plasma glucose (mmol/L) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.001230	0.011727	0.012959	110643

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.104998	0.095038	0.999905

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-3.788490	0.113837	-4.01161	-3.56537	110643

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-3.909210	-3.684562	0	-33.28	<.0001

Fasting plasma glucose after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=C105585P_CH_ABS_BL Long label=Fasting plasma glucose (mmol/L) arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000667	0.011727	0.012395	344548

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.056911	0.053852	0.999946

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-3.461889	0.111332	-3.68010	-3.24368	344548

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-3.562073	-3.376429	0	-31.10	<.0001

Fasting plasma glucose after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=FPGU Long label=Fasting plasma glucose (mg/dL) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.399450	3.808146	4.207995	110643

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.104998	0.095038	0.999905

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	103.603722	2.051340	99.58313	107.6243	110643

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	101.428352	105.476500	0	50.51	<.0001

Fasting plasma glucose after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=FPGU Long label=Fasting plasma glucose (mg/dL) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.583721	7.627534	8.211839	197318

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.076605	0.071163	0.999929

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-5.885345	2.865631	-11.5019	-0.26878	197318

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-8.138821	-3.206137	0	-2.05	0.0400

Fasting plasma glucose after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=FPGU Long label=Fasting plasma glucose (mg/dL) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.216509	3.808146	4.024871	344548

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.056911	0.053852	0.999946

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	109.489067	2.006208	105.5570	113.4212	344548

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	107.683762	111.029062	0	54.58	<.0001

Fasting plasma glucose after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=FPGU_CH_ABS_BL Long label=Fasting plasma glucose (mg/dL) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.399450	3.808146	4.207995	110643

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.104998	0.095038	0.999905

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-68.268588	2.051340	-72.2892	-64.2480	110643

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-70.443959	-66.395811	0	-33.28	<.0001

Fasting plasma glucose after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=FPGU_CH_ABS_BL Long label=Fasting plasma glucose (mg/dL) arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.216509	3.808146	4.024871	344548

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.056911	0.053852	0.999946

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-62.383244	2.006208	-66.3154	-58.4511	344548

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-64.188549	-60.843248	0	-31.10	<.0001

24: 9-point self-measured plasma glucose profile after 26 weeks – supportive statistical analysis – secondary estimand – MMRM – full analysis set

Parameter Code=C105585Y

The Mixed Procedure

Model Information

Data Set	WORK.ADPROF2
Dependent Variable	AVAL
Covariance Structure	Compound Symmetry
Estimation Method	REML
Residual Variance Method	Profile
Fixed Effects SE Method	Kenward-Roger
Degrees of Freedom Method	Kenward-Roger


```
nn9068/nn9068-4229/ctr_20180124_er
12MAR2018:11:42:48 - t stat 9pp mrm fas/t app t stat 9pp mrm fas.txt
```

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=C105585Y

The Mixed Procedure

Number of Observations

Number of Observations Read	3286
Number of Observations Used	3286
Number of Observations Not Used	0

Iteration History

Iteration	Evaluations	-2 Res Log Like	Criterion
0	1	13093.23765237	
1	2	12479.54471560	0.00002175
2	1	12479.54464750	0.00000000

Convergence criteria met but final hessian is not positive definite.

Covariance Parameter Estimates

Cov Parm	Estimate	Standard Error	Z Value	Pr Z	Alpha	Lower	Upper
Variance	0.9666	0.08963	10.78	<.0001	0.05	0.8124	1.1694
CS	-156E-14	0	.	.	.	.	.
Residual	2.1592	0.05680	38.01	<.0001	0.05	2.0521	2.2750

Asymptotic Covariance Matrix of Estimates

Row	Cov Parm	CovP1	CovP2	CovP3
1	Variance	0.008034		-0.00037
2	CS			
3	Residual	-0.00037		0.003226

Fit Statistics

-2 Res Log Likelihood	12479.5
AIC (Smaller is Better)	12485.5
AICC (Smaller is Better)	12485.6
BIC (Smaller is Better)	12497.3

Null Model Likelihood Ratio Test

DF	Chi-Square	Pr > ChiSq
2	613.69	<.0001

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=C105585Y

The Mixed Procedure

Solution for Fixed Effects

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)
Intercept			
TRTP (ATPTN)	IDegLira		1
TRTP (ATPTN)	IGlar		1
TRTP (ATPTN)	IDegLira		2
TRTP (ATPTN)	IGlar		2
TRTP (ATPTN)	IDegLira		3
TRTP (ATPTN)	IGlar		3
TRTP (ATPTN)	IDegLira		4
TRTP (ATPTN)	IGlar		4
TRTP (ATPTN)	IDegLira		5
TRTP (ATPTN)	IGlar		5
TRTP (ATPTN)	IDegLira		6
TRTP (ATPTN)	IGlar		6
TRTP (ATPTN)	IDegLira		7
TRTP (ATPTN)	IGlar		7
TRTP (ATPTN)	IDegLira		8
TRTP (ATPTN)	IGlar		8
TRTP (ATPTN)	IDegLira		9
TRTP (ATPTN)	IGlar		9
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9

Solution for Fixed Effects

Effect	Planned Treatment	Pre Trial OAD 2	Estimate
Intercept			5.2757
TRTP (ATPTN)	IDegLira		0.09722
TRTP (ATPTN)	IGlar		0.08194
TRTP (ATPTN)	IDegLira		1.8518
TRTP (ATPTN)	IGlar		2.9967
TRTP (ATPTN)	IDegLira		0.5073

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=C105585Y

The Mixed Procedure

Solution for Fixed Effects

Effect	Planned Treatment	Pre Trial OAD 2	Estimate
TRTP (ATPTN)	IGlar		1.0237
TRTP (ATPTN)	IDegLira		1.9502
TRTP (ATPTN)	IGlar		3.1851
TRTP (ATPTN)	IDegLira		1.0462
TRTP (ATPTN)	IGlar		1.3620
TRTP (ATPTN)	IDegLira		2.5228
TRTP (ATPTN)	IGlar		3.3704
TRTP (ATPTN)	IDegLira		1.5739
TRTP (ATPTN)	IGlar		2.2508
TRTP (ATPTN)	IDegLira		0.2188
TRTP (ATPTN)	IGlar		0.3268
TRTP (ATPTN)	IDegLira		-0.1072
TRTP (ATPTN)	IGlar		0
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	0.1031
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	0
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	0.2276
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	0
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	0.1542
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	0
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	0.08061
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	0
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	0.3992
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	0
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	0.1766
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	0
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	0.7417
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	0
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	0.3579
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	0
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	0.2423
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	0

Solution for Fixed Effects

Effect	Planned Treatment	Pre Trial OAD 2	Standard Error	DF
Intercept			0.1461	1860
TRTP (ATPTN)	IDegLira		0.1986	2208
TRTP (ATPTN)	IGlar		0.1717	2891
TRTP (ATPTN)	IDegLira		0.1992	2216
TRTP (ATPTN)	IGlar		0.1718	2890
TRTP (ATPTN)	IDegLira		0.1992	2215
TRTP (ATPTN)	IGlar		0.1720	2891
TRTP (ATPTN)	IDegLira		0.1998	2227
TRTP (ATPTN)	IGlar		0.1719	2890
TRTP (ATPTN)	IDegLira		0.1993	2217
TRTP (ATPTN)	IGlar		0.1719	2891
TRTP (ATPTN)	IDegLira		0.1995	2222

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=C105585Y

The Mixed Procedure

Solution for Fixed Effects

Effect	Planned Treatment	Pre Trial OAD 2	Standard Error	DF
TRTP (ATPTN)	IGlar		0.1725	2892
TRTP (ATPTN)	IDegLira		0.2002	2235
TRTP (ATPTN)	IGlar		0.1736	2893
TRTP (ATPTN)	IDegLira		0.2004	2240
TRTP (ATPTN)	IGlar		0.1739	2894
TRTP (ATPTN)	IDegLira		0.1844	1872
TRTP (ATPTN)	IGlar		.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	0.1950	1857
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	0.1956	1868
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	0.1954	1862
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	0.1962	1881
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	0.1965	1886
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	0.1960	1875
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	0.1995	1950
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	0.2000	1959
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	0.1958	1871
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.

Solution for Fixed Effects

Effect	Planned Treatment	Pre Trial OAD 2	t Value	Pr > t
Intercept			36.11	<.0001
TRTP (ATPTN)	IDegLira		0.49	0.6245
TRTP (ATPTN)	IGlar		0.48	0.6332
TRTP (ATPTN)	IDegLira		9.30	<.0001
TRTP (ATPTN)	IGlar		17.45	<.0001
TRTP (ATPTN)	IDegLira		2.55	0.0109
TRTP (ATPTN)	IGlar		5.95	<.0001
TRTP (ATPTN)	IDegLira		9.76	<.0001
TRTP (ATPTN)	IGlar		18.53	<.0001
TRTP (ATPTN)	IDegLira		5.25	<.0001
TRTP (ATPTN)	IGlar		7.92	<.0001
TRTP (ATPTN)	IDegLira		12.65	<.0001
TRTP (ATPTN)	IGlar		19.54	<.0001
TRTP (ATPTN)	IDegLira		7.86	<.0001
TRTP (ATPTN)	IGlar		12.97	<.0001
TRTP (ATPTN)	IDegLira		1.09	0.2750
TRTP (ATPTN)	IGlar		1.88	0.0603
TRTP (ATPTN)	IDegLira		-0.58	0.5610

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=C105585Y

The Mixed Procedure

Solution for Fixed Effects

Effect	Planned Treatment	Pre Trial OAD 2	t Value	Pr > t
TRTP (ATPTN)	IGlar		.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	0.53	0.5971
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1.16	0.2449
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	0.79	0.4299
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	0.41	0.6813
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2.03	0.0423
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	0.90	0.3677
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3.72	0.0002
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1.79	0.0736
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1.24	0.2160
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TRTP (ATPTN)	9	2759	10.51	<.0001
PREOAD2 (ATPTN)	9	2760	1.91	0.0468

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row1
Intercept				1
TRTP (ATPTN)	IDegLira		1	1
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=C105585Y

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row1
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	0.3306
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	0.6694
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row2
Intercept				1
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	1
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	0.3306

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=C105585Y

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row2
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	0.6694
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row3
Intercept				1
TRTP (ATPTN)	IDegLira		1	1
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	0.3306
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	0.6694
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=C105585Y

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row3
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row4
Intercept				1
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	1
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	0.3306
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	0.6694
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=C105585Y

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row4
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row5
Intercept				1
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	1
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	0.3333
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	0.6667
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=C105585Y

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row6
Intercept				1
TRTP(ATPTN)	IDegLira		1	
TRTP(ATPTN)	IGlar		1	
TRTP(ATPTN)	IDegLira		2	
TRTP(ATPTN)	IGlar		2	
TRTP(ATPTN)	IDegLira		3	
TRTP(ATPTN)	IGlar		3	1
TRTP(ATPTN)	IDegLira		4	
TRTP(ATPTN)	IGlar		4	
TRTP(ATPTN)	IDegLira		5	
TRTP(ATPTN)	IGlar		5	
TRTP(ATPTN)	IDegLira		6	
TRTP(ATPTN)	IGlar		6	
TRTP(ATPTN)	IDegLira		7	
TRTP(ATPTN)	IGlar		7	
TRTP(ATPTN)	IDegLira		8	
TRTP(ATPTN)	IGlar		8	
TRTP(ATPTN)	IDegLira		9	
TRTP(ATPTN)	IGlar		9	
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	3	0.3333
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	0.6667
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row7
Intercept				1
TRTP(ATPTN)	IDegLira		1	
TRTP(ATPTN)	IGlar		1	
TRTP(ATPTN)	IDegLira		2	
TRTP(ATPTN)	IGlar		2	
TRTP(ATPTN)	IDegLira		3	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=C105585Y

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row7
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	1
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	0.3306
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	0.6694
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row8
Intercept				1
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	1
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=C105585Y

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row8
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	0.3306
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	0.6694
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row9
Intercept				1
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	1
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=C105585Y

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row9
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	0.327
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	0.673
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row10
Intercept				1
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	1
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=C105585Y

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row10
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i ± DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i ± DPP4i ± met ± pio	5	0.327
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	0.673
PREOAD2 (ATPTN)		SGLT2i ± DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i ± DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i ± DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i ± DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row11
Intercept				1
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	1
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i ± DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i ± DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i ± DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i ± DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i ± DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i ± DPP4i ± met ± pio	6	0.3333

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=C105585Y

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPF02 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row11
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	0.6667
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPF02 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row12
Intercept				1
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	1
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	0.3333
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	0.6667
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=C105585Y

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPF02 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row12
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPF02 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row13
Intercept				1
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	1
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	0.323
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	0.677
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=C105585Y

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row14
Intercept				1
TRTP(ATPTN)	IDegLira		1	
TRTP(ATPTN)	IGlar		1	
TRTP(ATPTN)	IDegLira		2	
TRTP(ATPTN)	IGlar		2	
TRTP(ATPTN)	IDegLira		3	
TRTP(ATPTN)	IGlar		3	
TRTP(ATPTN)	IDegLira		4	
TRTP(ATPTN)	IGlar		4	
TRTP(ATPTN)	IDegLira		5	
TRTP(ATPTN)	IGlar		5	
TRTP(ATPTN)	IDegLira		6	
TRTP(ATPTN)	IGlar		6	
TRTP(ATPTN)	IDegLira		7	
TRTP(ATPTN)	IGlar		7	1
TRTP(ATPTN)	IDegLira		8	
TRTP(ATPTN)	IGlar		8	
TRTP(ATPTN)	IDegLira		9	
TRTP(ATPTN)	IGlar		9	
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	7	0.323
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	0.677
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row15
Intercept				1
TRTP(ATPTN)	IDegLira		1	
TRTP(ATPTN)	IGlar		1	
TRTP(ATPTN)	IDegLira		2	
TRTP(ATPTN)	IGlar		2	
TRTP(ATPTN)	IDegLira		3	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=C105585Y

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row15
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	1
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	0.3229
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	0.6771
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row16
Intercept				1
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=C105585Y

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row16
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	1
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	0.3229
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	0.6771
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row17
Intercept				1
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	1

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=C105585Y

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Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row17
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	0.3315
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	0.6685

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row18
Intercept				1
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	1
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	

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Parameter Code=C105585Y

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row18
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	0.3315
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	0.6685

Least Squares Means Estimates

Effect	Label	Margins	Estimate	Standard Error	DF	t Value	Pr > t
TRTP (ATPTN)	1IDegLira	WORK.ADPF2	5.4070	0.1304	1857	41.46	<.0001
TRTP (ATPTN)	1IGlar	WORK.ADPF2	5.3918	0.1290	1857	41.79	<.0001
TRTP (ATPTN)	2IDegLira	WORK.ADPF2	7.2027	0.1310	1868	54.97	<.0001
TRTP (ATPTN)	2IGlar	WORK.ADPF2	8.3477	0.1293	1865	64.58	<.0001
TRTP (ATPTN)	3IDegLira	WORK.ADPF2	5.8345	0.1310	1868	44.52	<.0001
TRTP (ATPTN)	3IGlar	WORK.ADPF2	6.3509	0.1293	1866	49.13	<.0001
TRTP (ATPTN)	4IDegLira	WORK.ADPF2	7.2526	0.1319	1894	55.00	<.0001
TRTP (ATPTN)	4IGlar	WORK.ADPF2	8.4875	0.1293	1865	65.67	<.0001
TRTP (ATPTN)	5IDegLira	WORK.ADPF2	6.4525	0.1313	1877	49.14	<.0001
TRTP (ATPTN)	5IGlar	WORK.ADPF2	6.7683	0.1295	1873	52.26	<.0001
TRTP (ATPTN)	6IDegLira	WORK.ADPF2	7.8574	0.1316	1885	59.70	<.0001

Least Squares Means Estimates

Effect	Label	Alpha	Lower	Upper
TRTP (ATPTN)	1IDegLira	0.05	5.1513	5.6628
TRTP (ATPTN)	1IGlar	0.05	5.1388	5.6448
TRTP (ATPTN)	2IDegLira	0.05	6.9458	7.4597
TRTP (ATPTN)	2IGlar	0.05	8.0942	8.6012
TRTP (ATPTN)	3IDegLira	0.05	5.5775	6.0915
TRTP (ATPTN)	3IGlar	0.05	6.0974	6.6044
TRTP (ATPTN)	4IDegLira	0.05	6.9939	7.5112
TRTP (ATPTN)	4IGlar	0.05	8.2340	8.7410
TRTP (ATPTN)	5IDegLira	0.05	6.1949	6.7100
TRTP (ATPTN)	5IGlar	0.05	6.5142	7.0223
TRTP (ATPTN)	6IDegLira	0.05	7.5993	8.1155

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Least Squares Means Estimates

Effect	Label	Margins	Estimate	Standard Error	DF	t Value	Pr > t
TRTP (ATPTN)	6IGlar	WORK.ADPF2	8.7050	0.1295	1875	67.20	<.0001
TRTP (ATPTN)	7IDegLira	WORK.ADPF2	7.0892	0.1337	1953	53.02	<.0001
TRTP (ATPTN)	7IGlar	WORK.ADPF2	7.7661	0.1304	1902	59.54	<.0001
TRTP (ATPTN)	8IDegLira	WORK.ADPF2	5.6102	0.1330	1931	42.17	<.0001
TRTP (ATPTN)	8IGlar	WORK.ADPF2	5.7181	0.1317	1944	43.40	<.0001
TRTP (ATPTN)	9IDegLira	WORK.ADPF2	5.2488	0.1316	1885	39.88	<.0001
TRTP (ATPTN)	9IGlar	WORK.ADPF2	5.3561	0.1290	1857	41.52	<.0001

Least Squares Means Estimates

Effect	Label	Alpha	Lower	Upper
TRTP (ATPTN)	6IGlar	0.05	8.4509	8.9591
TRTP (ATPTN)	7IDegLira	0.05	6.8270	7.3514
TRTP (ATPTN)	7IGlar	0.05	7.5103	8.0219
TRTP (ATPTN)	8IDegLira	0.05	5.3493	5.8711
TRTP (ATPTN)	8IGlar	0.05	5.4597	5.9765
TRTP (ATPTN)	9IDegLira	0.05	4.9907	5.5069
TRTP (ATPTN)	9IGlar	0.05	5.1031	5.6091

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row1
Intercept				
TRTP (ATPTN)	IDegLira		1	1
TRTP (ATPTN)	IGlar		1	-1
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=C105585Y

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row1
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row2
Intercept				
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	1
TRTP (ATPTN)	IGlar		2	-1
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	

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The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row2
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row3
Intercept				
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	1
TRTP (ATPTN)	IGlar		3	-1
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	

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Parameter Code=C105585Y

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row3
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row4
Intercept				
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	1
TRTP (ATPTN)	IGlar		4	-1
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

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The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row5
Intercept				
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	1
TRTP (ATPTN)	IGlar		5	-1
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row6
Intercept				
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

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Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row6
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	1
TRTP (ATPTN)	IGlar		6	-1
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row7
Intercept				
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	

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Parameter Code=C105585Y

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Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row7
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	1
TRTP (ATPTN)	IGlar		7	-1
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row8
Intercept				
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	1
TRTP (ATPTN)	IGlar		8	-1
TRTP (ATPTN)	IDegLira		9	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=C105585Y

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Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row8
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row9
Intercept				
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	1
TRTP (ATPTN)	IGlar		9	-1
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=C105585Y

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row9
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Least Squares Means Estimates

Effect	Label	Margins	Estimate	Standard Error	DF	t Value
TRTP (ATPTN)	1Treatment contrast	WORK.ADPROF2	0.01527	0.1835	1857	0.08
TRTP (ATPTN)	2Treatment contrast	WORK.ADPROF2	-1.1450	0.1841	1866	-6.22
TRTP (ATPTN)	3Treatment contrast	WORK.ADPROF2	-0.5164	0.1841	1867	-2.80
TRTP (ATPTN)	4Treatment contrast	WORK.ADPROF2	-1.2349	0.1847	1880	-6.69
TRTP (ATPTN)	5Treatment contrast	WORK.ADPROF2	-0.3158	0.1845	1875	-1.71
TRTP (ATPTN)	6Treatment contrast	WORK.ADPROF2	-0.8476	0.1848	1880	-4.59
TRTP (ATPTN)	7Treatment contrast	WORK.ADPROF2	-0.6769	0.1870	1930	-3.62
TRTP (ATPTN)	8Treatment contrast	WORK.ADPROF2	-0.1080	0.1873	1938	-0.58
TRTP (ATPTN)	9Treatment contrast	WORK.ADPROF2	-0.1072	0.1844	1872	-0.58

Least Squares Means Estimates

Effect	Label	Pr > t	Alpha	Lower	Upper
TRTP (ATPTN)	1Treatment contrast	0.9337	0.05	-0.3447	0.3752
TRTP (ATPTN)	2Treatment contrast	<.0001	0.05	-1.5061	-0.7839
TRTP (ATPTN)	3Treatment contrast	0.0051	0.05	-0.8776	-0.1553
TRTP (ATPTN)	4Treatment contrast	<.0001	0.05	-1.5972	-0.8727
TRTP (ATPTN)	5Treatment contrast	0.0872	0.05	-0.6777	0.04608
TRTP (ATPTN)	6Treatment contrast	<.0001	0.05	-1.2100	-0.4852
TRTP (ATPTN)	7Treatment contrast	0.0003	0.05	-1.0436	-0.3102
TRTP (ATPTN)	8Treatment contrast	0.5644	0.05	-0.4753	0.2594
TRTP (ATPTN)	9Treatment contrast	0.5610	0.05	-0.4688	0.2544

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=SMPGCOL

The Mixed Procedure

Model Information

Data Set	WORK.ADPF02
Dependent Variable	AVAL
Covariance Structure	Compound Symmetry
Estimation Method	REML
Residual Variance Method	Profile
Fixed Effects SE Method	Kenward-Roger
Degrees of Freedom Method	Kenward-Roger

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=SMPGCOL

The Mixed Procedure

Number of Observations

Number of Observations Read	3286
Number of Observations Used	3286
Number of Observations Not Used	0

Iteration History

Iteration	Evaluations	-2 Res Log Like	Criterion
0	1	31939.91897208	
1	2	31326.22603531	0.00000557
2	1	31326.22596721	0.00000000

Convergence criteria met but final hessian is not positive definite.

Covariance Parameter Estimates

Cov Parm	Estimate	Standard Error	Z Value	Pr Z	Alpha	Lower	Upper
Variance	313.87	29.1061	10.78	<.0001	0.05	263.81	379.74
CS	-552E-12	0	.	.	.	.	.
Residual	701.15	18.4445	38.01	<.0001	0.05	666.35	738.75

Asymptotic Covariance Matrix of Estimates

Row	Cov Parm	CovP1	CovP2	CovP3
1	Variance	847.17		-39.0015
2	CS			
3	Residual	-39.0015		340.20

Fit Statistics

-2 Res Log Likelihood	31326.2
AIC (Smaller is Better)	31332.2
AICC (Smaller is Better)	31332.2
BIC (Smaller is Better)	31344.0

Null Model Likelihood Ratio Test

DF	Chi-Square	Pr > ChiSq
2	613.69	<.0001

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=SMPGCOL

The Mixed Procedure

Solution for Fixed Effects

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)
Intercept			
TRTP (ATPTN)	IDegLira		1
TRTP (ATPTN)	IGlar		1
TRTP (ATPTN)	IDegLira		2
TRTP (ATPTN)	IGlar		2
TRTP (ATPTN)	IDegLira		3
TRTP (ATPTN)	IGlar		3
TRTP (ATPTN)	IDegLira		4
TRTP (ATPTN)	IGlar		4
TRTP (ATPTN)	IDegLira		5
TRTP (ATPTN)	IGlar		5
TRTP (ATPTN)	IDegLira		6
TRTP (ATPTN)	IGlar		6
TRTP (ATPTN)	IDegLira		7
TRTP (ATPTN)	IGlar		7
TRTP (ATPTN)	IDegLira		8
TRTP (ATPTN)	IGlar		8
TRTP (ATPTN)	IDegLira		9
TRTP (ATPTN)	IGlar		9
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9

Solution for Fixed Effects

Effect	Planned Treatment	Pre Trial OAD 2	Estimate
Intercept			95.0686
TRTP (ATPTN)	IDegLira		1.7519
TRTP (ATPTN)	IGlar		1.4766
TRTP (ATPTN)	IDegLira		33.3689
TRTP (ATPTN)	IGlar		54.0012
TRTP (ATPTN)	IDegLira		9.1420

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=SMPGCOL

The Mixed Procedure

Solution for Fixed Effects

Effect	Planned Treatment	Pre Trial OAD 2	Estimate
TRTP (ATPTN)	IGlar		18.4480
TRTP (ATPTN)	IDegLira		35.1422
TRTP (ATPTN)	IGlar		57.3959
TRTP (ATPTN)	IDegLira		18.8528
TRTP (ATPTN)	IGlar		24.5433
TRTP (ATPTN)	IDegLira		45.4609
TRTP (ATPTN)	IGlar		60.7347
TRTP (ATPTN)	IDegLira		28.3616
TRTP (ATPTN)	IGlar		40.5588
TRTP (ATPTN)	IDegLira		3.9436
TRTP (ATPTN)	IGlar		5.8889
TRTP (ATPTN)	IDegLira		-1.9319
TRTP (ATPTN)	IGlar		0
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1.8580
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	0
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4.1009
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	0
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2.7795
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	0
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1.4526
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	0
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7.1940
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	0
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3.1825
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	0
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	13.3657
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	0
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6.4493
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	0
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4.3662
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	0

Solution for Fixed Effects

Effect	Planned Treatment	Pre Trial OAD 2	Standard Error	DF
Intercept			2.6330	1860
TRTP (ATPTN)	IDegLira		3.5782	2208
TRTP (ATPTN)	IGlar		3.0941	2891
TRTP (ATPTN)	IDegLira		3.5892	2216
TRTP (ATPTN)	IGlar		3.0952	2890
TRTP (ATPTN)	IDegLira		3.5887	2215
TRTP (ATPTN)	IGlar		3.1002	2891
TRTP (ATPTN)	IDegLira		3.5998	2227
TRTP (ATPTN)	IGlar		3.0968	2890
TRTP (ATPTN)	IDegLira		3.5908	2217
TRTP (ATPTN)	IGlar		3.0972	2891
TRTP (ATPTN)	IDegLira		3.5947	2222

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=SMPGCOL

The Mixed Procedure

Solution for Fixed Effects

Effect	Planned Treatment	Pre Trial OAD 2	Standard Error	DF
TRTP (ATPTN)	IGlar		3.1077	2892
TRTP (ATPTN)	IDegLira		3.6067	2235
TRTP (ATPTN)	IGlar		3.1279	2893
TRTP (ATPTN)	IDegLira		3.6117	2240
TRTP (ATPTN)	IGlar		3.1339	2894
TRTP (ATPTN)	IDegLira		3.3223	1872
TRTP (ATPTN)	IGlar		.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3.5146	1857
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3.5253	1868
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3.5204	1862
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3.5363	1881
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3.5405	1886
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3.5321	1875
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3.5959	1950
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3.6034	1959
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3.5278	1871
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.

Solution for Fixed Effects

Effect	Planned Treatment	Pre Trial OAD 2	t Value	Pr > t
Intercept			36.11	<.0001
TRTP (ATPTN)	IDegLira		0.49	0.6245
TRTP (ATPTN)	IGlar		0.48	0.6332
TRTP (ATPTN)	IDegLira		9.30	<.0001
TRTP (ATPTN)	IGlar		17.45	<.0001
TRTP (ATPTN)	IDegLira		2.55	0.0109
TRTP (ATPTN)	IGlar		5.95	<.0001
TRTP (ATPTN)	IDegLira		9.76	<.0001
TRTP (ATPTN)	IGlar		18.53	<.0001
TRTP (ATPTN)	IDegLira		5.25	<.0001
TRTP (ATPTN)	IGlar		7.92	<.0001
TRTP (ATPTN)	IDegLira		12.65	<.0001
TRTP (ATPTN)	IGlar		19.54	<.0001
TRTP (ATPTN)	IDegLira		7.86	<.0001
TRTP (ATPTN)	IGlar		12.97	<.0001
TRTP (ATPTN)	IDegLira		1.09	0.2750
TRTP (ATPTN)	IGlar		1.88	0.0603
TRTP (ATPTN)	IDegLira		-0.58	0.5610

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=SMPGCOL

The Mixed Procedure

Solution for Fixed Effects

Effect	Planned Treatment	Pre Trial OAD 2	t Value	Pr > t
TRTP (ATPTN)	IGlar		.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	0.53	0.5971
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1.16	0.2449
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	0.79	0.4299
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	0.41	0.6813
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2.03	0.0423
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	0.90	0.3677
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3.72	0.0002
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1.79	0.0736
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1.24	0.2160
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	.	.

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TRTP (ATPTN)	9	2759	10.51	<.0001
PREOAD2 (ATPTN)	9	2760	1.91	0.0468

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row1
Intercept				1
TRTP (ATPTN)	IDegLira		1	1
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=SMPGCOL

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row1
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	0.3306
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	0.6694
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row2
Intercept				1
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	1
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	0.3306

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=SMPGCOL

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row2
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	0.6694
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row3
Intercept				1
TRTP (ATPTN)	IDegLira		1	1
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	0.3306
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	0.6694
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=SMPGCOL

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPF02 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row3
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i ± DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i ± DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i ± DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i ± DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i ± DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPF02 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row4
Intercept				1
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	1
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i ± DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i ± DPP4i ± met ± pio	2	0.3306
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	0.6694
PREOAD2 (ATPTN)		SGLT2i ± DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i ± DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i ± DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i ± DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i ± DPP4i ± met ± pio	7	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=SMPGCOL

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row4
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row5
Intercept				1
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	1
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	0.3333
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	0.6667
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=SMPGCOL

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row6
Intercept				1
TRTP(ATPTN)	IDegLira		1	
TRTP(ATPTN)	IGlar		1	
TRTP(ATPTN)	IDegLira		2	
TRTP(ATPTN)	IGlar		2	
TRTP(ATPTN)	IDegLira		3	
TRTP(ATPTN)	IGlar		3	1
TRTP(ATPTN)	IDegLira		4	
TRTP(ATPTN)	IGlar		4	
TRTP(ATPTN)	IDegLira		5	
TRTP(ATPTN)	IGlar		5	
TRTP(ATPTN)	IDegLira		6	
TRTP(ATPTN)	IGlar		6	
TRTP(ATPTN)	IDegLira		7	
TRTP(ATPTN)	IGlar		7	
TRTP(ATPTN)	IDegLira		8	
TRTP(ATPTN)	IGlar		8	
TRTP(ATPTN)	IDegLira		9	
TRTP(ATPTN)	IGlar		9	
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	3	0.3333
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	0.6667
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row7
Intercept				1
TRTP(ATPTN)	IDegLira		1	
TRTP(ATPTN)	IGlar		1	
TRTP(ATPTN)	IDegLira		2	
TRTP(ATPTN)	IGlar		2	
TRTP(ATPTN)	IDegLira		3	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=SMPGCOL

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row7
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	1
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	0.3306
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	0.6694
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row8
Intercept				1
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	1
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=SMPGCOL

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row8
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	0.3306
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	0.6694
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row9
Intercept				1
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	1
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=SMPGCOL

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row9
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	0.327
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	0.673
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row10
Intercept				1
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	1
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=SMPGCOL

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row10
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	0.327
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	0.673
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row11
Intercept				1
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	1
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	0.3333

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=SMPGCOL

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPF02 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row11
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	0.6667
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPF02 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row12
Intercept				1
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	1
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	0.3333
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	0.6667
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=SMPGCOL

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row12
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row13
Intercept				1
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	1
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	0.323
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	0.677
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=SMPGCOL

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row14
Intercept				1
TRTP(ATPTN)	IDegLira		1	
TRTP(ATPTN)	IGlar		1	
TRTP(ATPTN)	IDegLira		2	
TRTP(ATPTN)	IGlar		2	
TRTP(ATPTN)	IDegLira		3	
TRTP(ATPTN)	IGlar		3	
TRTP(ATPTN)	IDegLira		4	
TRTP(ATPTN)	IGlar		4	
TRTP(ATPTN)	IDegLira		5	
TRTP(ATPTN)	IGlar		5	
TRTP(ATPTN)	IDegLira		6	
TRTP(ATPTN)	IGlar		6	
TRTP(ATPTN)	IDegLira		7	
TRTP(ATPTN)	IGlar		7	1
TRTP(ATPTN)	IDegLira		8	
TRTP(ATPTN)	IGlar		8	
TRTP(ATPTN)	IDegLira		9	
TRTP(ATPTN)	IGlar		9	
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	7	0.323
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	0.677
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2(ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2(ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row15
Intercept				1
TRTP(ATPTN)	IDegLira		1	
TRTP(ATPTN)	IGlar		1	
TRTP(ATPTN)	IDegLira		2	
TRTP(ATPTN)	IGlar		2	
TRTP(ATPTN)	IDegLira		3	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=SMPGCOL

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row15
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	1
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	0.3229
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	0.6771
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row16
Intercept				1
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=SMPGCOL

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row16
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	1
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	0.3229
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	0.6771
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row17
Intercept				1
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	1

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=SMPGCOL

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row17
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	0.3315
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	0.6685

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row18
Intercept				1
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	1
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=SMPGCOL

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row18
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	0.3315
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	0.6685

Least Squares Means Estimates

Effect	Label	Margins	Estimate	Standard Error	DF	t Value	Pr > t
TRTP (ATPTN)	1IDegLira	WORK.ADPROF2	97.4349	2.3498	1857	41.46	<.0001
TRTP (ATPTN)	1IGlar	WORK.ADPROF2	97.1596	2.3247	1857	41.79	<.0001
TRTP (ATPTN)	2IDegLira	WORK.ADPROF2	129.79	2.3612	1868	54.97	<.0001
TRTP (ATPTN)	2IGlar	WORK.ADPROF2	150.43	2.3291	1865	64.58	<.0001
TRTP (ATPTN)	3IDegLira	WORK.ADPROF2	105.14	2.3614	1868	44.52	<.0001
TRTP (ATPTN)	3IGlar	WORK.ADPROF2	114.44	2.3293	1866	49.13	<.0001
TRTP (ATPTN)	4IDegLira	WORK.ADPROF2	130.69	2.3762	1894	55.00	<.0001
TRTP (ATPTN)	4IGlar	WORK.ADPROF2	152.94	2.3291	1865	65.67	<.0001
TRTP (ATPTN)	5IDegLira	WORK.ADPROF2	116.27	2.3663	1877	49.14	<.0001
TRTP (ATPTN)	5IGlar	WORK.ADPROF2	121.96	2.3340	1873	52.26	<.0001
TRTP (ATPTN)	6IDegLira	WORK.ADPROF2	141.59	2.3718	1885	59.70	<.0001

Least Squares Means Estimates

Effect	Label	Alpha	Lower	Upper
TRTP (ATPTN)	1IDegLira	0.05	92.8263	102.04
TRTP (ATPTN)	1IGlar	0.05	92.6004	101.72
TRTP (ATPTN)	2IDegLira	0.05	125.16	134.42
TRTP (ATPTN)	2IGlar	0.05	145.86	154.99
TRTP (ATPTN)	3IDegLira	0.05	100.51	109.77
TRTP (ATPTN)	3IGlar	0.05	109.87	119.01
TRTP (ATPTN)	4IDegLira	0.05	126.03	135.35
TRTP (ATPTN)	4IGlar	0.05	148.38	157.51
TRTP (ATPTN)	5IDegLira	0.05	111.63	120.91
TRTP (ATPTN)	5IGlar	0.05	117.39	126.54
TRTP (ATPTN)	6IDegLira	0.05	136.94	146.24

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=SMPGCOL

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Least Squares Means Estimates

Effect	Label	Margins	Estimate	Standard Error	DF	t Value	Pr > t
TRTP (ATPTN)	6IGlar	WORK.ADPF2	156.86	2.3343	1875	67.20	<.0001
TRTP (ATPTN)	7IDegLira	WORK.ADPF2	127.75	2.4093	1953	53.02	<.0001
TRTP (ATPTN)	7IGlar	WORK.ADPF2	139.95	2.3504	1902	59.54	<.0001
TRTP (ATPTN)	8IDegLira	WORK.ADPF2	101.10	2.3972	1931	42.17	<.0001
TRTP (ATPTN)	8IGlar	WORK.ADPF2	103.04	2.3740	1944	43.40	<.0001
TRTP (ATPTN)	9IDegLira	WORK.ADPF2	94.5842	2.3715	1885	39.88	<.0001
TRTP (ATPTN)	9IGlar	WORK.ADPF2	96.5162	2.3246	1857	41.52	<.0001

Least Squares Means Estimates

Effect	Label	Alpha	Lower	Upper
TRTP (ATPTN)	6IGlar	0.05	152.29	161.44
TRTP (ATPTN)	7IDegLira	0.05	123.02	132.47
TRTP (ATPTN)	7IGlar	0.05	135.34	144.55
TRTP (ATPTN)	8IDegLira	0.05	96.3937	105.80
TRTP (ATPTN)	8IGlar	0.05	98.3844	107.70
TRTP (ATPTN)	9IDegLira	0.05	89.9332	99.2352
TRTP (ATPTN)	9IGlar	0.05	91.9571	101.08

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row1
Intercept				
TRTP (ATPTN)	IDegLira		1	1
TRTP (ATPTN)	IGlar		1	-1
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=SMPGCOL

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row1
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row2
Intercept				
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	1
TRTP (ATPTN)	IGlar		2	-1
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=SMPGCOL

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row2
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row3
Intercept				
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	1
TRTP (ATPTN)	IGlar		3	-1
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=SMPGCOL

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row3
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row4
Intercept				
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	1
TRTP (ATPTN)	IGlar		4	-1
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=SMPGCOL

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row5
Intercept				
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	1
TRTP (ATPTN)	IGlar		5	-1
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row6
Intercept				
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=SMPGCOL

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row6
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	1
TRTP (ATPTN)	IGlar		6	-1
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row7
Intercept				
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=SMPGCOL

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row7
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	1
TRTP (ATPTN)	IGlar		7	-1
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row8
Intercept				
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	1
TRTP (ATPTN)	IGlar		8	-1
TRTP (ATPTN)	IDegLira		9	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=SMPGCOL

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPF02 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row8
TRTP (ATPTN)	IGlar		9	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPF02 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row9
Intercept				
TRTP (ATPTN)	IDegLira		1	
TRTP (ATPTN)	IGlar		1	
TRTP (ATPTN)	IDegLira		2	
TRTP (ATPTN)	IGlar		2	
TRTP (ATPTN)	IDegLira		3	
TRTP (ATPTN)	IGlar		3	
TRTP (ATPTN)	IDegLira		4	
TRTP (ATPTN)	IGlar		4	
TRTP (ATPTN)	IDegLira		5	
TRTP (ATPTN)	IGlar		5	
TRTP (ATPTN)	IDegLira		6	
TRTP (ATPTN)	IGlar		6	
TRTP (ATPTN)	IDegLira		7	
TRTP (ATPTN)	IGlar		7	
TRTP (ATPTN)	IDegLira		8	
TRTP (ATPTN)	IGlar		8	
TRTP (ATPTN)	IDegLira		9	1
TRTP (ATPTN)	IGlar		9	-1
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	1	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	1	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	2	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	2	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	3	

9-point self-measured plasma glucose profile after 26 weeks - supportive statistical analysis - secondary estimand - MMRM - full analysis set

Parameter Code=SMPGCOL

The Mixed Procedure

Coefficients for TRTP(ATPTN) Least Squares Means Estimates Using WORK.ADPROF2 Margins

Effect	Planned Treatment	Pre Trial OAD 2	Analysis Timepoint (N)	Row9
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	3	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	4	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	4	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	5	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	5	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	6	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	6	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	7	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	7	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	8	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	8	
PREOAD2 (ATPTN)		SGLT2i + DPP4i ± met ± pio	9	
PREOAD2 (ATPTN)		SGLT2i ± metformin(met) ± pioglitazone(pio)	9	

Least Squares Means Estimates

Effect	Label	Margins	Estimate	Standard Error	DF	t Value
TRTP (ATPTN)	1Treatment contrast	WORK.ADPROF2	0.2752	3.3070	1857	0.08
TRTP (ATPTN)	2Treatment contrast	WORK.ADPROF2	-20.6323	3.3178	1866	-6.22
TRTP (ATPTN)	3Treatment contrast	WORK.ADPROF2	-9.3060	3.3184	1867	-2.80
TRTP (ATPTN)	4Treatment contrast	WORK.ADPROF2	-22.2537	3.3285	1880	-6.69
TRTP (ATPTN)	5Treatment contrast	WORK.ADPROF2	-5.6905	3.3249	1875	-1.71
TRTP (ATPTN)	6Treatment contrast	WORK.ADPROF2	-15.2738	3.3295	1880	-4.59
TRTP (ATPTN)	7Treatment contrast	WORK.ADPROF2	-12.1972	3.3694	1930	-3.62
TRTP (ATPTN)	8Treatment contrast	WORK.ADPROF2	-1.9453	3.3753	1938	-0.58
TRTP (ATPTN)	9Treatment contrast	WORK.ADPROF2	-1.9319	3.3223	1872	-0.58

Least Squares Means Estimates

Effect	Label	Pr > t	Alpha	Lower	Upper
TRTP (ATPTN)	1Treatment contrast	0.9337	0.05	-6.2106	6.7611
TRTP (ATPTN)	2Treatment contrast	<.0001	0.05	-27.1393	-14.1253
TRTP (ATPTN)	3Treatment contrast	0.0051	0.05	-15.8141	-2.7979
TRTP (ATPTN)	4Treatment contrast	<.0001	0.05	-28.7817	-15.7257
TRTP (ATPTN)	5Treatment contrast	0.0872	0.05	-12.2113	0.8303
TRTP (ATPTN)	6Treatment contrast	<.0001	0.05	-21.8037	-8.7439
TRTP (ATPTN)	7Treatment contrast	0.0003	0.05	-18.8052	-5.5892
TRTP (ATPTN)	8Treatment contrast	0.5644	0.05	-8.5649	4.6742
TRTP (ATPTN)	9Treatment contrast	0.5610	0.05	-8.4477	4.5838

25: Mean of 9-point self-measured plasma glucose profile after 26 weeks – change from baseline – supportive statistical analysis – unconditional multiple imputation – full analysis set

Parameter Code=P9PSMPGM Long label=Mean 9-point profile SMPG (mmol/L) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.000937	0.005357	0.006295	44957

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.175182	0.149106	0.999851

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	6.604101	0.079341	6.448592 6.759610	44957

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	6.505938	6.693065	0	83.24	<.0001

Mean of 9-point self-measured plasma glucose profile after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PSMPGM Long label=Mean 9-point profile SMPG (mmol/L) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.001341	0.010653	0.011995	79779

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.126002	0.111924	0.999888

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-0.462154	0.109522	-0.67682	-0.24749	79779

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0:	
				Parameter=Theta0	Pr > t
estimate	-0.597400	-0.364624	0	-4.22	<.0001

Mean of 9-point self-measured plasma glucose profile after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PSMPGM Long label=Mean 9-point profile SMPG (mmol/L) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000664	0.005279	0.005944	79796

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.125987	0.111912	0.999888

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	7.066254	0.077097	6.915146	7.217363	79796

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0:	
				Parameter=Theta0	Pr > t
estimate	6.962337	7.152190	0	91.65	<.0001

Mean of 9-point self-measured plasma glucose profile after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PSMPGM_CH_ABS_BL Long label=Mean 9-point profile SMPG (mmol/L)

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000937	0.005357	0.006295	44957

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.175182	0.149106	0.999851

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-3.416850	0.079341	-3.57236	-3.26134	44957

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-3.515013	-3.327886	0	-43.07	<.0001

Mean of 9-point self-measured plasma glucose profile after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PSMPGM_CH_ABS_BL Long label=Mean 9-point profile SMPG (mmol/L) arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000664	0.005279	0.005944	79796

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.125987	0.111912	0.999888

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-2.954697	0.077097	-3.10581	-2.80359	79796

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-3.058615	-2.868761	0	-38.32	<.0001

Mean of 9-point self-measured plasma glucose profile after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9SMFGMU Long label=Mean 9-point profile SMPG (mg/dL) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.304406	1.739386	2.044096	44957

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.175183	0.149106	0.999851

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	119.005901	1.429719	116.2036	121.8082	44957

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0:	
				Parameter=Theta0	Pr > t
estimate	117.237014	120.609045	0	83.24	<.0001

Mean of 9-point self-measured plasma glucose profile after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9SMFGMU Long label=Mean 9-point profile SMPG (mg/dL) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.435426	3.459161	3.895023	79779

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.126002	0.111924	0.999888

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-8.327985	1.973581	-12.1962	-4.45978	79779

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-10.765128	-6.570501	0	-4.22	<.0001

Mean of 9-point self-measured plasma glucose profile after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9SMPGMU Long label=Mean 9-point profile SMPG (mg/dL) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.215744	1.714137	1.930096	79796

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.125987	0.111913	0.999888

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	127.333886	1.389279	124.6109	130.0569	79796

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	125.461285	128.882452	0	91.65	<.0001

Mean of 9-point self-measured plasma glucose profile after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9SMPGMU_CH_ABS_BL Long label=Mean 9-point profile SMPG (mg/dL)

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.304406	1.739386	2.044096	44957

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.175183	0.149106	0.999851

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-61.571598	1.429719	-64.3739	-58.7693	44957

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-63.340485	-59.968454	0	-43.07	<.0001

Mean of 9-point self-measured plasma glucose profile after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9SMPGMU_CH_ABS_BL Long label=Mean 9-point profile SMPG (mg/dL) arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.215744	1.714137	1.930096	79796

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.125987	0.111913	0.999888

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-53.243613	1.389279	-55.9666	-50.5206	79796

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-55.116214	-51.695047	0	-38.32	<.0001

26: Prandial increment after 26 weeks – change from baseline – supportive statistical analysis – unconditional multiple imputation – full analysis set

Parameter Code=P9PGIBU Long label=SMPG increment (breakfast) (mg/dL) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	1.058770	6.628384	7.688212	52571

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.159892	0.137884	0.999862

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	35.270803	2.772763	29.83616 40.70544	52571

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	31.366465	38.510698	0	12.72	<.0001

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGIBU Long label=SMPG increment (breakfast) (mg/dL) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	1.670101	13.338648	15.010419	80537

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.125333	0.111396	0.999889

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-17.537813	3.874328	-25.1315	-9.94416	80537

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-22.706526	-13.694524	0	-4.53	<.0001

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGIBU Long label=SMPG increment (breakfast) (mg/dL) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.865152	6.692512	7.558529	76100

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.129401	0.114598	0.999885

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	52.808616	2.749278	47.42004 58.19719	76100

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	49.888227	55.738087	0	19.21	<.0001

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGIBU_CH_ABS_BL Long label=SMPG increment (breakfast) (mg/dL)

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	1.058770	6.628384	7.688212	52571

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.159892	0.137884	0.999862

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-14.789825	2.772763	-20.2245	-9.35519	52571

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-18.694163	-11.549930	0	-5.33	<.0001

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGIBU_CH_ABS_BL Long label=SMPG increment (breakfast) (mg/dL) arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.865152	6.692512	7.558529	76100

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.129401	0.114598	0.999885

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	2.747988	2.749278	-2.64058	8.136560	76100

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.172401	5.677459	0	1.00	0.3175

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGIEU Long label=SMPG increment (evening meal) (mg/dL) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	1.361160	7.105074	8.467596	38583

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.191767	0.160954	0.999839

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	26.597820	2.909913	20.89432 32.30132	38583

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	23.315385	30.191226	0	9.14	<.0001

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGIEU Long label=SMPG increment (evening meal) (mg/dL) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	2.239850	14.193456	16.435546	53682

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.157966	0.136449	0.999864

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-8.240390	4.054078	-16.1864	-0.29436	53682

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-13.632941	-3.721925	0	-2.03	0.0421

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGIEU Long label=SMPG increment (evening meal) (mg/dL) arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	1.275725	7.070540	8.347541	42687

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.180609	0.153019	0.999847

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	34.838211	2.889211	29.17530 40.50112	42687

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	31.612071	38.184969	0	12.06	<.0001

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGIEU_CH_ABS_BL Long label=SMPG increment (evening meal) (mg/dL)

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	1.361160	7.105074	8.467596	38583

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.191767	0.160954	0.999839

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-10.395356	2.909913	-16.0989	-4.69185	38583

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-13.677792	-6.801951	0	-3.57	0.0004

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGIEU_CH_ABS_BL Long label=SMPG increment (evening meal) (mg/dL)

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	1.275725	7.070540	8.347541	42687

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.180609	0.153019	0.999847

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	-2.154966	2.889211	-7.81788 3.507944	42687

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-5.381106	1.191793	0	-0.75	0.4558

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGILU Long label=SMPG increment (lunch) (mg/dL) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	1.467474	8.143926	9.612867	42782

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.180373	0.152850	0.999847

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	27.132801	3.100462	21.05583	33.20977	42782

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	23.861388	32.222873	0	8.75	<.0001

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGILU Long label=SMPG increment (lunch) (mg/dL) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	2.198413	16.369413	18.570025	71138

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.134434	0.118528	0.999881

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-11.966450	4.309295	-20.4127	-3.52024	71138

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-16.894231	-6.540503	0	-2.78	0.0055

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGILU Long label=SMPG increment (lunch) (mg/dL) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	1.317304	8.183370	9.501991	51875

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.161134	0.138806	0.999861

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	39.099252	3.082530	33.05746 45.14104	51875

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	34.803033	43.792237	0	12.68	<.0001

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGILU_CH_ABS_BL Long label=SMPG increment (lunch) (mg/dL) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	1.467474	8.143926	9.612867	42782

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.180373	0.152850	0.999847

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-11.976432	3.100462	-18.0534	-5.89947	42782

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-15.247845	-6.886360	0	-3.86	0.0001

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGILU_CH_ABS_BL Long label=SMPG increment (lunch) (mg/dL) arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	1.317304	8.183370	9.501991	51875

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.161134	0.138806	0.999861

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-0.009982	3.082530	-6.05177	6.031807	51875

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-4.306200	4.683004	0	-0.00	0.9974

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGINC Long label=SMPG increment (all meals) (mmol/L) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.001721	0.009814	0.011537	44794

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.175557	0.149377	0.999851

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	1.635504	0.107409	1.424981 1.846027	44794

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	1.497668	1.751621	0	15.23	<.0001

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGINC Long label=SMPG increment (all meals) (mmol/L) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.002601	0.019803	0.022407	73969

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.131495	0.116237	0.999884

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-0.698245	0.149691	-0.99164	-0.40485	73969

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.911347	-0.536538	0	-4.66	<.0001

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGINC Long label=SMPG increment (all meals) (mmol/L) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.001343	0.009956	0.011301	70550

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.135069	0.119022	0.999881

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	2.333749	0.106306	2.125389	2.542109	70550

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	2.227005	2.449451	0	21.95	<.0001

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGINCB Long label=SMPG increment (breakfast) (mmol/L) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.003261	0.020413	0.023676	52571

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.159893	0.137884	0.999862

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	1.957314	0.153871	1.655724 2.258903	52571

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	1.740647	2.137108	0	12.72	<.0001

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGINCB Long label=SMPG increment (breakfast) (mmol/L) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.005143	0.041077	0.046226	80537

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.125333	0.111396	0.999889

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-0.973242	0.215002	-1.39464	-0.55184	80537

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-1.260074	-0.759962	0	-4.53	<.0001

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGINCB Long label=SMPG increment (breakfast) (mmol/L) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.002664	0.020610	0.023277	76100

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.129401	0.114598	0.999885

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	2.930556	0.152568	2.631523	3.229588	76100

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	2.768492	3.093123	0	19.21	<.0001

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGINCB_CH_ABS_BL Long label=SMPG increment (breakfast) (mmol/L)

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.003261	0.020413	0.023676	52571

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.159893	0.137884	0.999862

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-0.820744	0.153871	-1.12233	-0.51915	52571

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-1.037411	-0.640949	0	-5.33	<.0001

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGINCB_CH_ABS_BL Long label=SMPG increment (breakfast) (mmol/L)

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.002664	0.020610	0.023277	76100

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.129401	0.114598	0.999885

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	0.152498	0.152568	-0.14654 0.451531	76100

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.009566	0.315066	0	1.00	0.3175

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGINCE Long label=SMPG increment (evening meal) (mmol/L) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.004192	0.021881	0.026077	38583

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.191767	0.160954	0.999839

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	1.476015	0.161482	1.159505 1.792524	38583

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	1.293860	1.675426	0	9.14	<.0001

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGINCE Long label=SMPG increment (evening meal) (mmol/L) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.006898	0.043710	0.050614	53682

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.157967	0.136449	0.999864

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-0.457294	0.224976	-0.89825	-0.01634	53682

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.756547	-0.206547	0	-2.03	0.0421

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGINCE Long label=SMPG increment (evening meal) (mmol/L) arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.003929	0.021774	0.025707	42687

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.180609	0.153019	0.999847

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	1.933309	0.160333	1.619052 2.247565	42687

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	1.754278	2.119033	0	12.06	<.0001

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGINCE_CH_ABS_BL Long label=SMPG increment (evening meal) (mmol/L)

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.004192	0.021881	0.026077	38583

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.191767	0.160954	0.999839

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	-0.576881	0.161482	-0.89339 -0.26037	38583

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.759036	-0.377469	0	-3.57	0.0004

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGINCE_CH_ABS_BL Long label=SMPG increment (evening meal) (mmol/L)

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.003929	0.021774	0.025707	42687

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.180609	0.153019	0.999847

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	-0.119587	0.160333	-0.43384 0.194670	42687

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.298617	0.066138	0	-0.75	0.4558

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGINCL Long label=SMPG increment (lunch) (mmol/L) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.004519	0.025080	0.029604	42782

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.180373	0.152850	0.999847

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	1.505705	0.172057	1.168471	1.842940	42782

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	1.324162	1.788174	0	8.75	<.0001

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGINCL Long label=SMPG increment (lunch) (mmol/L) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.006770	0.050411	0.057188	71138

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.134435	0.118528	0.999881

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	-0.664063	0.239140	-1.13278 -0.19535	71138

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.937525	-0.362956	0	-2.78	0.0055

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGINCL Long label=SMPG increment (lunch) (mmol/L) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.004057	0.025201	0.029262	51874

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.161134	0.138806	0.999861

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	2.169769	0.171062	1.834486 2.505051	51874

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	1.931355	2.430201	0	12.68	<.0001

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGINCL_CH_ABS_BL Long label=SMPG increment (lunch) (mmol/L) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.004519	0.025080	0.029604	42782

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.180373	0.152850	0.999847

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-0.664619	0.172057	-1.00185	-0.32738	42782

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.846163	-0.382151	0	-3.86	0.0001

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGINCL_CH_ABS_BL Long label=SMPG increment (lunch) (mmol/L) arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.004057	0.025201	0.029262	51874

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.161134	0.138806	0.999861

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-0.000555	0.171062	-0.33584	0.334727	51874

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.238970	0.259877	0	-0.00	0.9974

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGINC_CH_ABS_BL Long label=SMPG increment (all meals) (mmol/L)

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.001721	0.009814	0.011537	44794

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.175557	0.149377	0.999851

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-0.696910	0.107409	-0.90743	-0.48639	44794

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.834745	-0.580793	0	-6.49	<.0001

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGINC_CH_ABS_BL Long label=SMPG increment (all meals) (mmol/L) arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.001343	0.009956	0.011301	70550

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.135069	0.119022	0.999881

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	0.001336	0.106306	-0.20702	0.209696	70550

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.105408	0.117037	0	0.01	0.9900

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGIU Long label=SMPG increment (all meals) (mg/dL) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.558893	3.186737	3.746189	44794

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.175556	0.149377	0.999851

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	29.471716	1.935507	25.67809	33.26534	44794

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	26.987922	31.564146	0	15.23	<.0001

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGIU Long label=SMPG increment (all meals) (mg/dL) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.844742	6.430569	7.276156	73970

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.131495	0.116237	0.999884

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-12.582428	2.697435	-17.8694	-7.29547	73970

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-16.422526	-9.668467	0	-4.66	<.0001

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGIU Long label=SMPG increment (all meals) (mg/dL) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.436243	3.233000	3.669679	70550

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.135069	0.119022	0.999881

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	42.054144	1.915641	38.29949 45.80880	70550

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	40.130620	44.139089	0	21.95	<.0001

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGIU_CH_ABS_BL Long label=SMPG increment (all meals) (mg/dL)

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.558893	3.186737	3.746189	44794

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.175556	0.149377	0.999851

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-12.558401	1.935507	-16.3520	-8.76477	44794

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-15.042196	-10.465971	0	-6.49	<.0001

Prandial increment after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=P9PGIU_CH_ABS_BL Long label=SMPG increment (all meals) (mg/dL) arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.436243	3.233000	3.669679	70550

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.135069	0.119022	0.999881

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	0.024027	1.915641	-3.73062	3.778678	70550

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-1.899497	2.108971	0	0.01	0.9900

27: Systolic blood pressure after 26 weeks – change from baseline – supportive statistical analysis – unconditional multiple imputation – full analysis set

Parameter Code=SYSBPMEA Long label=Mean systolic blood pressure (mmHg) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.046557	0.559229	0.605833	168824

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.083335	0.076936	0.999923

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	127.277188	0.778352	125.7516	128.8027	168824

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	126.407827	127.903105	0	163.52	<.0001

Systolic blood pressure after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=SYSBPMEA Long label=Mean systolic blood pressure (mmHg) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.064934	1.121556	1.186555	332913

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.057954	0.054785	0.999945

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-2.870466	1.089291	-5.00544	-0.73549	332913

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-3.623186	-2.131457	0	-2.64	0.0084

Systolic blood pressure after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=SYSBPMEA Long label=Mean systolic blood pressure (mmHg) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.023925	0.559229	0.583179	592352

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.042826	0.041070	0.999959

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	130.147655	0.763661	128.6509	131.6444	592352

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	129.678534	130.767799	0	170.43	<.0001

Systolic blood pressure after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=SYSBPMEA_CH_ABS_BL Long label=Mean systolic blood pressure (mmHg)

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.046557	0.559229	0.605833	168824

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.083335	0.076936	0.999923

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-2.441859	0.778352	-3.96741	-0.91631	168824

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-3.311221	-1.815942	0	-3.14	0.0017

Systolic blood pressure after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=SYSBPMEA_CH_ABS_BL Long label=Mean systolic blood pressure (mmHg)

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.023925	0.559229	0.583179	592352

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.042826	0.041070	0.999959

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	0.428607	0.763661	-1.06814	1.925359	592352

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.040514	1.048752	0	0.56	0.5746

28: Diastolic blood pressure after 26 weeks – change from baseline – supportive statistical analysis – unconditional multiple imputation – full analysis set

Parameter Code=DIABPMEA Long label=Mean diastolic blood pressure (mmHg) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.018775	0.235505	0.254298	182913

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.079800	0.073913	0.999926

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	77.940996	0.504280	76.95262	78.92937	182913

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	77.372683	78.341040	0	154.56	<.0001

Diastolic blood pressure after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=DIABPMEA Long label=Mean diastolic blood pressure (mmHg) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.026841	0.471842	0.498710	344200

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.056941	0.053879	0.999946

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-0.030511	0.706194	-1.41463	1.353608	344200

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.521678	0.449414	0	-0.04	0.9655

Diastolic blood pressure after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=DIABPMEA Long label=Mean diastolic blood pressure (mmHg) arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.010365	0.235505	0.245880	561045

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.044056	0.042201	0.999958

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	77.971507	0.495863	76.99963	78.94338	561045

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	77.670165	78.373795	0	157.24	<.0001

Diastolic blood pressure after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=DIABPMEA_CH_ABS_BL Long label=Mean diastolic blood pressure (mmHg)

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.018775	0.235505	0.254298	182913

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.079800	0.073913	0.999926

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-1.232813	0.504280	-2.22119	-0.24444	182913

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-1.801127	-0.832769	0	-2.44	0.0145

Diastolic blood pressure after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=DIABPMEA_CH_ABS_BL Long label=Mean diastolic blood pressure (mmHg)

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.010365	0.235505	0.245880	561045

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.044056	0.042201	0.999958

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-1.202303	0.495863	-2.17418	-0.23043	561045

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-1.503644	-0.800015	0	-2.42	0.0153

29: HDL cholesterol after 26 weeks – change from baseline – supportive statistical analysis – unconditional multiple imputation – full analysis set

Parameter Code=C105587S Long label=HDL cholesterol serum (mmol/L) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.000013555	0.000124	0.000138	103416

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.108998	0.098303	0.999902

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	0.182057	0.011750	0.159028 0.205085	103416

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	0.170659	0.193234	0	15.49	<.0001

HDL cholesterol after 26 weeks - change from baseline - supportive statistical analysis
 - unconditional multiple imputation - full analysis set

Parameter Code=C105587S Long label=HDL cholesterol serum (mmol/L) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000018869	0.000250	0.000269	202590

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.075526	0.070231	0.999930

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-0.011947	0.016401	-0.04409	0.020197	202590

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.026624	0.002149	0	-0.73	0.4663

HDL cholesterol after 26 weeks - change from baseline - supportive statistical analysis
 - unconditional multiple imputation - full analysis set

Parameter Code=C105587S Long label=HDL cholesterol serum (mmol/L) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000006462	0.000125	0.000132	413285

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.051707	0.049170	0.999951

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	0.194004	0.011470	0.171523	0.216485	413285

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	0.186310	0.202393	0	16.91	<.0001

HDL cholesterol after 26 weeks - change from baseline - supportive statistical analysis
 - unconditional multiple imputation - full analysis set

Parameter Code=HDL_SU Long label=HDL cholesterol serum (mg/dL) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000013555	0.000124	0.000138	103416

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.108998	0.098303	0.999902

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	3.835568	0.011750	3.812539	3.858597	103416

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	3.824171	3.846745	0	326.44	<.0001

HDL cholesterol after 26 weeks - change from baseline - supportive statistical analysis
 - unconditional multiple imputation - full analysis set

Parameter Code=HDL_SU Long label=HDL cholesterol serum (mg/dL) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000018869	0.000250	0.000269	202590

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.075526	0.070231	0.999930

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-0.011947	0.016401	-0.04409	0.020197	202590

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.026624	0.002149	0	-0.73	0.4663

HDL cholesterol after 26 weeks - change from baseline - supportive statistical analysis
- unconditional multiple imputation - full analysis set

Parameter Code=HDL_SU Long label=HDL cholesterol serum (mg/dL) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000006462	0.000125	0.000132	413285

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.051707	0.049170	0.999951

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	3.847515	0.011470	3.825034	3.869996	413285

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	3.839821	3.855904	0	335.44	<.0001

30: LDL cholesterol after 26 weeks – change from baseline – supportive statistical analysis – unconditional multiple imputation – full analysis set

Parameter Code=C105588S Long label=LDL cholesterol serum (mmol/L) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000053084	0.000440	0.000493	85977

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.120816	0.107814	0.999892

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	0.755210	0.022203	0.711693	0.798727	85977

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	0.733129	0.777718	0	34.01	<.0001

LDL cholesterol after 26 weeks - change from baseline - supportive statistical analysis
- unconditional multiple imputation - full analysis set

Parameter Code=C105588S Long label=LDL cholesterol serum (mmol/L) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000072966	0.000882	0.000955	170877

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.082792	0.076472	0.999924

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-0.046519	0.030907	-0.10710	0.014058	170877

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.074352	-0.018383	0	-1.51	0.1323

LDL cholesterol after 26 weeks - change from baseline - supportive statistical analysis
 - unconditional multiple imputation - full analysis set

Parameter Code=C105588S Long label=LDL cholesterol serum (mmol/L) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000025462	0.000440	0.000465	332963

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.057949	0.054781	0.999945

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	0.801729	0.021571	0.759451	0.844007	332963

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	0.786166	0.817350	0	37.17	<.0001

LDL cholesterol after 26 weeks - change from baseline - supportive statistical analysis
 - unconditional multiple imputation - full analysis set

Parameter Code=LDL_SU Long label=LDL cholesterol serum (mg/dL) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000053084	0.000440	0.000493	85977

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.120816	0.107814	0.999892

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	4.408721	0.022203	4.365204	4.452238	85977

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	4.386640	4.431229	0	198.57	<.0001

LDL cholesterol after 26 weeks - change from baseline - supportive statistical analysis
 - unconditional multiple imputation - full analysis set

Parameter Code=LDL_SU Long label=LDL cholesterol serum (mg/dL) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000072966	0.000882	0.000955	170877

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.082792	0.076472	0.999924

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-0.046519	0.030907	-0.10710	0.014058	170877

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.074352	-0.018383	0	-1.51	0.1323

LDL cholesterol after 26 weeks - change from baseline - supportive statistical analysis
 - unconditional multiple imputation - full analysis set

Parameter Code=LDL_SU Long label=LDL cholesterol serum (mg/dL) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000025462	0.000440	0.000465	332963

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.057949	0.054781	0.999945

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	4.455240	0.021571	4.412962	4.497518	332963

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	4.439677	4.470862	0	206.54	<.0001

31: VLDL cholesterol after 26 weeks – change from baseline – supportive statistical analysis – unconditional multiple imputation – full analysis set

Parameter Code=C105589S Long label=VLDL cholesterol serum (mmol/L) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.000073793	0.000724	0.000798	116516

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.102045	0.092611	0.999907

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	-0.376681	0.028244	-0.43204 -0.32132	116516

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.403414	-0.350747	0	-13.34	<.0001

VLDL cholesterol after 26 weeks - change from baseline - supportive statistical analysis
 - unconditional multiple imputation - full analysis set

Parameter Code=C105589S Long label=VLDL cholesterol serum (mmol/L) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.000101	0.001450	0.001552	234014

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.069905	0.065345	0.999935

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	0.011546	0.039390	-0.06566 0.088749	234014

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.021057	0.043608	0	0.29	0.7694

VLDL cholesterol after 26 weeks - change from baseline - supportive statistical analysis
- unconditional multiple imputation - full analysis set

Parameter Code=C105589S Long label=VLDL cholesterol serum (mmol/L) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000034682	0.000724	0.000759	476976

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.047960	0.045769	0.999954

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-0.388227	0.027542	-0.44221	-0.33425	476976

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.406514	-0.370198	0	-14.10	<.0001

VLDL cholesterol after 26 weeks - change from baseline - supportive statistical analysis
 - unconditional multiple imputation - full analysis set

Parameter Code=VLDL_SU Long label=VLDL cholesterol serum (mg/dL) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000073793	0.000724	0.000798	116516

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.102045	0.092611	0.999907

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	3.276830	0.028244	3.221472	3.332188	116516

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	3.250097	3.302764	0	116.02	<.0001

VLDL cholesterol after 26 weeks - change from baseline - supportive statistical analysis
 - unconditional multiple imputation - full analysis set

Parameter Code=VLDL_SU Long label=VLDL cholesterol serum (mg/dL) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.000101	0.001450	0.001552	234014

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.069905	0.065345	0.999935

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	0.011546	0.039390	-0.06566	0.088749	234014

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.021057	0.043608	0	0.29	0.7694

VLDL cholesterol after 26 weeks - change from baseline - supportive statistical analysis
 - unconditional multiple imputation - full analysis set

Parameter Code=VLDL_SU Long label=VLDL cholesterol serum (mg/dL) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000034682	0.000724	0.000759	476976

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.047960	0.045769	0.999954

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	3.265284	0.027542	3.211302	3.319266	476976

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	3.246997	3.283313	0	118.56	<.0001

32: Triglycerides after 26 weeks – change from baseline – supportive statistical analysis – unconditional multiple imputation – full analysis set

Parameter Code=C64812S Long label=Triglycerides serum (mmol/L) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.000079570	0.000786	0.000866	118091

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.101292	0.091991	0.999908

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	0.411746	0.029428	0.354069 0.469424	118091

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	0.383959	0.438469	0	13.99	<.0001

Triglycerides after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=C64812S Long label=Triglycerides serum (mmol/L) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000109	0.001579	0.001688	239839

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.068992	0.064547	0.999935

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	0.008208	0.041086	-0.07232	0.088736	239839

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.025490	0.041797	0	0.20	0.8417

Triglycerides after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=C64812S Long label=Triglycerides serum (mmol/L) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.000036958	0.000790	0.000827	499435

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.046818	0.044728	0.999955

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	0.403538	0.028761	0.347168	0.459908	499435

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	0.384446	0.422144	0	14.03	<.0001

Triglycerides after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=TRIG_SU Long label=Triglycerides serum (mg/dL) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000079568	0.000787	0.000867	118261

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.101212	0.091925	0.999908

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	4.900438	0.029438	4.842741	4.958136	118261

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	4.872652	4.927160	0	166.47	<.0001

Triglycerides after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=TRIG_SU Long label=Triglycerides serum (mg/dL) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000109	0.001580	0.001689	240163

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.068942	0.064503	0.999936

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	0.008320	0.041101	-0.07224	0.088876	240163

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.025381	0.041907	0	0.20	0.8396

Triglycerides after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=TRIG_SU Long label=Triglycerides serum (mg/dL) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000036962	0.000791	0.000828	500042

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.046788	0.044701	0.999955

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	4.892118	0.028771	4.835728	4.948509	500042

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	4.873025	4.910725	0	170.04	<.0001

33: Total cholesterol after 26 weeks – change from baseline – supportive statistical analysis – unconditional multiple imputation – full analysis set

Parameter Code=C105586S Long label=Total cholesterol serum (mmol/L) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000017610	0.000150	0.000167	90096

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.117693	0.105320	0.999895

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	1.440060	0.012938	1.414700	1.465419	90096

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	1.427108	1.452999	0	111.30	<.0001

Total cholesterol after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=C105586S Long label=Total cholesterol serum (mmol/L) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.000024310	0.000301	0.000325	178570

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.080843	0.074806	0.999925

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	-0.019410	0.018037	-0.05476 0.015943	178570

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.035686	-0.003212	0	-1.08	0.2819

Total cholesterol after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=C105586S Long label=Total cholesterol serum (mmol/L) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000008292	0.000151	0.000159	365675

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.055151	0.052273	0.999948

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	1.459470	0.012602	1.434770	1.484169	365675

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	1.450564	1.468525	0	115.81	<.0001

Total cholesterol after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=T_CHOL_U Long label=Total cholesterol serum (mg/dL) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000017610	0.000150	0.000167	90096

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.117693	0.105320	0.999895

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	5.093571	0.012938	5.068212	5.118930	90096

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	5.080620	5.106510	0	393.68	<.0001

Total cholesterol after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=T_CHOL_U Long label=Total cholesterol serum (mg/dL) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.000024310	0.000301	0.000325	178570

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.080843	0.074806	0.999925

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	-0.019410	0.018037	-0.05476 0.015943	178570

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.035686	-0.003212	0	-1.08	0.2819

Total cholesterol after 26 weeks - change from baseline - supportive statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=T_CHOL_U Long label=Total cholesterol serum (mg/dL) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.000008292	0.000151	0.000159	365675

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.055151	0.052273	0.999948

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	5.112981	0.012602	5.088282 5.137681	365675

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	5.104075	5.122036	0	405.73	<.0001

34: Free fatty acids after 26 weeks – change from baseline – supportive statistical analysis – unconditional multiple imputation – full analysis set

Parameter Code=C80200S Long label=Free fatty acids serum (mmol/L) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.000192	0.001266	0.001458	57771

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.151411	0.131530	0.999868

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	-1.002104	0.038183	-1.07694 -0.92726	57771

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-1.045617	-0.956355	0	-26.24	<.0001

Free fatty acids after 26 weeks - change from baseline - supportive statistical analysis
 - unconditional multiple imputation - full analysis set

Parameter Code=C80200S Long label=Free fatty acids serum (mmol/L) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000246	0.002518	0.002765	125551

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.097938	0.089216	0.999911

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-0.074323	0.052582	-0.17738	0.028737	125551

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.121837	-0.026092	0	-1.41	0.1575

Free fatty acids after 26 weeks - change from baseline - supportive statistical analysis
 - unconditional multiple imputation - full analysis set

Parameter Code=C80200S Long label=Free fatty acids serum (mmol/L) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000081023	0.001248	0.001329	268224

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.064995	0.061036	0.999939

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-0.927781	0.036455	-0.99923	-0.85633	268224

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.955008	-0.895355	0	-25.45	<.0001

Free fatty acids after 26 weeks - change from baseline - supportive statistical analysis
- unconditional multiple imputation - full analysis set

Parameter Code=FFAU Long label=Free fatty acids serum (mg/dL) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000192	0.001266	0.001458	57771

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.151411	0.131530	0.999868

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-3.304689	0.038183	-3.37953	-3.22985	57771

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-3.348202	-3.258940	0	-86.55	<.0001

Free fatty acids after 26 weeks - change from baseline - supportive statistical analysis
 - unconditional multiple imputation - full analysis set

Parameter Code=FFAU Long label=Free fatty acids serum (mg/dL) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000246	0.002518	0.002765	125551

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.097938	0.089216	0.999911

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-0.074323	0.052582	-0.17738	0.028737	125551

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0:	
				Parameter=Theta0	Pr > t
estimate	-0.121837	-0.026092	0	-1.41	0.1575

Free fatty acids after 26 weeks - change from baseline - supportive statistical analysis
 - unconditional multiple imputation - full analysis set

Parameter Code=FFAU Long label=Free fatty acids serum (mg/dL) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000081023	0.001248	0.001329	268224

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.064995	0.061036	0.999939

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-3.230366	0.036455	-3.30182	-3.15892	268224

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0:	
				Parameter=Theta0	Pr > t
estimate	-3.257593	-3.197940	0	-88.61	<.0001

35: Health related quality of life (SF-36) scores after 26 weeks – statistical analysis – multiple imputation – unconditional- full analysis set

Parameter Code=SF36SBPT Long label=Bodily pain (score) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.023271	0.278730	0.302024	167936

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.083574	0.077139	0.999923

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	53.631206	0.549567	52.55407 54.70835	167936

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	53.029778	54.075982	0	97.59	<.0001

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SBPT Long label=Bodily pain (score) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.033722	0.558404	0.592160	307430

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.060450	0.057011	0.999943

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	0.150324	0.769519	-1.35791	1.658561	307430

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.472464	0.763584	0	0.20	0.8451

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SBPT Long label=Bodily pain (score) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.013291	0.278730	0.292034	481313

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.047733	0.045562	0.999954

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	53.480882	0.540402	52.42171	54.54005	481313

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	53.103698	53.853021	0	98.97	<.0001

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SBPT_CH_ABS_BL Long label=Bodily pain (score) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.023271	0.278730	0.302024	167936

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.083574	0.077139	0.999923

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	1.925325	0.549567	0.848186	3.002465	167936

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	1.323897	2.370101	0	3.50	0.0005

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SBPT_CH_ABS_BL Long label=Bodily pain (score) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.013291	0.278730	0.292034	481313

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.047733	0.045562	0.999954

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	1.775001	0.540402	0.715830	2.834172	481313

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	1.397817	2.147140	0	3.28	0.0010

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SGHT Long label=General health (score) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.017554	0.210767	0.228338	168703

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.083368	0.076963	0.999923

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	51.356110	0.477848	50.41954	52.29268	168703

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	50.853771	51.750539	0	107.47	<.0001

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SGHT Long label=General health (score) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.024918	0.422438	0.447381	321385

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.059045	0.055759	0.999944

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-0.070142	0.668865	-1.38110	1.240814	321385

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.600577	0.473272	0	-0.10	0.9165

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SGHT Long label=General health (score) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.009915	0.210767	0.220692	493953

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.047089	0.044976	0.999955

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	51.426253	0.469779	50.50550	52.34700	493953

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	51.089074	51.740272	0	109.47	<.0001

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SGHT_CH_ABS_BL Long label=General health (score) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.017554	0.210767	0.228338	168703

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.083368	0.076963	0.999923

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	3.367206	0.477848	2.430635	4.303777	168703

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	2.864866	3.761634	0	7.05	<.0001

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SGHT_CH_ABS_BL Long label=General health (score) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.009915	0.210767	0.220692	493953

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.047089	0.044976	0.999955

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	3.437348	0.469779	2.516596	4.358100	493953

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	3.100169	3.751368	0	7.32	<.0001

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SMC Long label=Overall mental (score) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.014114	0.219140	0.233268	272347

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.064470	0.060572	0.999939

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	52.667725	0.482978	51.72110	53.61435	272347

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	52.196137	53.006154	0	109.05	<.0001

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SMC Long label=Overall mental (score) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.020387	0.438848	0.459256	505948

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.046502	0.044439	0.999956

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-0.336658	0.677684	-1.66490	0.991581	505948

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.832841	0.118437	0	-0.50	0.6193

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SMC Long label=Overall mental (score) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.007998	0.219140	0.227146	804083

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.036536	0.035250	0.999965

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	53.004383	0.476599	52.07027	53.93850	804083

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	52.718378	53.322062	0	111.21	<.0001

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SMC_CH_ABS_BL Long label=Overall mental (score) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.014114	0.219140	0.233268	272347

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.064470	0.060572	0.999939

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	1.758535	0.482978	0.811911	2.705159	272347

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	1.286946	2.096964	0	3.64	0.0003

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SMC_CH_ABS_BL Long label=Overall mental (score) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.007998	0.219140	0.227146	804083

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.036536	0.035250	0.999965

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	2.095193	0.476599	1.161075	3.029311	804083

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	1.809188	2.412871	0	4.40	<.0001

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SMHT Long label=Mental health (score) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.016843	0.223497	0.240357	203031

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.075437	0.070155	0.999930

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	52.705983	0.490262	51.74508	53.66688	203031

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	52.191297	53.079628	0	107.51	<.0001

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SMHT Long label=Mental health (score) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.024244	0.447602	0.471870	377701

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.054217	0.051434	0.999949

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-0.623087	0.686928	-1.96944	0.723271	377701

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-1.161501	-0.110543	0	-0.91	0.3644

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SMHT Long label=Mental health (score) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.009415	0.223497	0.232922	610176

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.042169	0.040466	0.999960

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	53.329069	0.482620	52.38315	54.27499	610176

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	53.017729	53.663234	0	110.50	<.0001

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SMHT_CH_ABS_BL Long label=Mental health (score) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.016843	0.223497	0.240357	203031

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.075437	0.070155	0.999930

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	2.093316	0.490262	1.132414	3.054218	203031

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	1.578631	2.466961	0	4.27	<.0001

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SMHT_CH_ABS_BL Long label=Mental health (score) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.009415	0.223497	0.232922	610176

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.042169	0.040466	0.999960

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	2.716403	0.482620	1.770484	3.662321	610176

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	2.405062	3.050568	0	5.63	<.0001

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SPC Long label=Overall physical (score) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.013154	0.139021	0.152188	133457

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.094714	0.086533	0.999913

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	51.967157	0.390113	51.20254	52.73177	133457

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	51.528212	52.310851	0	133.21	<.0001

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SPC Long label=Overall physical (score) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.018805	0.279306	0.298130	250592

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.067394	0.063147	0.999937

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	0.095560	0.546012	-0.97461	1.165730	250592

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.356738	0.572496	0	0.18	0.8611

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SPC Long label=Overall physical (score) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.007388	0.139687	0.147083	395167

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.052942	0.050284	0.999950

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	51.871597	0.383514	51.11992	52.62327	395167

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	51.585509	52.120612	0	135.25	<.0001

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SPC_CH_ABS_BL Long label=Overall physical (score) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.013154	0.139021	0.152188	133457

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.094714	0.086533	0.999913

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	2.086704	0.390113	1.322090 2.851318	133457

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	1.647759	2.430398	0	5.35	<.0001

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SPC_CH_ABS_BL Long label=Overall physical (score) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.007388	0.139687	0.147083	395167

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.052942	0.050284	0.999950

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	1.991144	0.383514	1.239468	2.742819	395167

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	1.705056	2.240159	0	5.19	<.0001

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SPFT Long label=Physical functioning (score) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.012240	0.148258	0.160510	171460

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.082639	0.076342	0.999924

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	51.009718	0.400637	50.22448	51.79496	171460

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	50.580610	51.341980	0	127.32	<.0001

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SPFT Long label=Physical functioning (score) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.017453	0.297862	0.315332	325462

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.058652	0.055409	0.999945

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	-0.110654	0.561544	-1.21126	0.989957	325462

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.548885	0.352523	0	-0.20	0.8438

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SPFT Long label=Physical functioning (score) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.006670	0.148969	0.155645	542945

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.044817	0.042898	0.999957

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	51.120372	0.394519	50.34713	51.89362	542945

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	50.847761	51.364380	0	129.58	<.0001

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SPFT_CH_ABS_BL Long label=Physical functioning (score) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.012240	0.148258	0.160510	171460

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.082639	0.076342	0.999924

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	1.658739	0.400637	0.873500	2.443979	171460

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	1.229632	1.991001	0	4.14	<.0001

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SPFT_CH_ABS_BL Long label=Physical functioning (score) arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.006670	0.148969	0.155645	542945

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.044817	0.042898	0.999957

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	1.769393	0.394519	0.996149	2.542638	542945

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	1.496782	2.013401	0	4.48	<.0001

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SRET Long label=Role-emotional (score) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.016792	0.244785	0.261594	241961

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.068668	0.064263	0.999936

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	50.524375	0.511463	49.52192	51.52683	241961

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	50.010588	50.899575	0	98.78	<.0001

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SRET Long label=Role-emotional (score) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.024189	0.490205	0.514419	450909

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.049394	0.047074	0.999953

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	0.169366	0.717230	-1.23638	1.575114	450909

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.360750	0.676981	0	0.24	0.8133

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SRET Long label=Role-emotional (score) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.009253	0.244785	0.254048	751521

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.037839	0.036462	0.999964

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	50.355010	0.504031	49.36712	51.34289	751521

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	50.054361	50.683683	0	99.90	<.0001

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SRET_CH_ABS_BL Long label=Role-emotional (score) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.016792	0.244785	0.261594	241961

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.068668	0.064263	0.999936

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	1.376994	0.511463	0.374541	2.379448	241961

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	0.863207	1.752194	0	2.69	0.0071

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SRET_CH_ABS_BL Long label=Role-emotional (score) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.009253	0.244785	0.254048	751521

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.037839	0.036462	0.999964

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	1.207629	0.504031	0.219743	2.195514	751521

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	0.906981	1.536302	0	2.40	0.0166

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SRPT Long label=Role-physical (score) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.016701	0.180035	0.196753	138369

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.092860	0.084983	0.999915

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	51.723547	0.443569	50.85416	52.59293	138369

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	51.216825	52.099641	0	116.61	<.0001

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SRPT Long label=Role-physical (score) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.023774	0.360549	0.384347	260574

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.066005	0.061925	0.999938

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	0.049503	0.619957	-1.16560 1.264603	260574

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.474681	0.556466	0	0.08	0.9364

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SRPT Long label=Role-physical (score) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.009021	0.180035	0.189065	437919

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.050158	0.047767	0.999952

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	51.674043	0.434816	50.82182	52.52627	437919

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	51.373371	51.991389	0	118.84	<.0001

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SRPT_CH_ABS_BL Long label=Role-physical (score) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.016701	0.180035	0.196753	138369

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.092860	0.084983	0.999915

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	1.795071	0.443569	0.925684	2.664457	138369

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	1.288349	2.171165	0	4.05	<.0001

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SRPT_CH_ABS_BL Long label=Role-physical (score) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.009021	0.180035	0.189065	437919

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.050158	0.047767	0.999952

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	1.745567	0.434816	0.893340	2.597794	437919

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	1.444895	2.062913	0	4.01	<.0001

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SSFT Long label=Social functioning (score) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.014282	0.184181	0.198477	192550

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.077620	0.072039	0.999928

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	52.571512	0.445508	51.69833	53.44470	192550

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	52.095424	52.899673	0	118.00	<.0001

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SSFT Long label=Social functioning (score) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.020673	0.368854	0.389547	354012

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.056102	0.053127	0.999947

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	0.096050	0.624137	-1.12724	1.319340	354012

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.406503	0.527383	0	0.15	0.8777

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SSFT Long label=Social functioning (score) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.008540	0.184181	0.192730	507742

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.046416	0.044361	0.999956

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	52.475462	0.439010	51.61502	53.33591	507742

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	52.173181	52.814166	0	119.53	<.0001

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SSFT_CH_ABS_BL Long label=Social functioning (score) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.014282	0.184181	0.198477	192550

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.077620	0.072039	0.999928

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	2.035036	0.445508	1.161852	2.908220	192550

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	1.558948	2.363197	0	4.57	<.0001

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SSFT_CH_ABS_BL Long label=Social functioning (score) arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.008540	0.184181	0.192730	507742

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.046416	0.044361	0.999956

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	1.938986	0.439010	1.078540	2.799432	507742

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	1.636705	2.277690	0	4.42	<.0001

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SVTT Long label=Vitality (score) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.022058	0.252164	0.274244	154110

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.087563	0.080525	0.999919

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	55.349580	0.523684	54.32317	56.37599	154110

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	54.795091	55.800488	0	105.69	<.0001

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SVTT Long label=Vitality (score) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.030910	0.505304	0.536245	300075

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.061232	0.057705	0.999942

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	-0.684583	0.732287	-2.11985 0.750680	300075

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-1.267086	-0.063574	0	-0.93	0.3499

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SVTT Long label=Vitality (score) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.011800	0.252164	0.263976	498941

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.046842	0.044750	0.999955

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	56.034162	0.513786	55.02716	57.04117	498941

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	55.656164	56.359743	0	109.06	<.0001

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SVTT_CH_ABS_BL Long label=Vitality (score) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.022058	0.252164	0.274244	154110

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.087563	0.080525	0.999919

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	1.887461	0.523684	0.861052	2.913870	154110

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	1.332972	2.338369	0	3.60	0.0003

Health related quality of life (SF-36) scores after 26 weeks - statistical analysis - multiple imputation - unconditional- full analysis set

Parameter Code=SF36SVTT_CH_ABS_BL Long label=Vitality (score) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.011800	0.252164	0.263976	498941

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.046842	0.044750	0.999955

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	2.572043	0.513786	1.565039 3.579048	498941

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	2.194045	2.897624	0	5.01	<.0001

36: Treatment related impact measures - diabetes (TRIM-D) scores after 26 weeks – statistical analysis – unconditional multiple imputation – full analysis set

Parameter Code=TRIMBUR Long label=Treatment burden (score) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.090281	1.150611	1.240983	188380

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.078542	0.072832	0.999927

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	78.204738	1.113994	76.02134	80.38814	188380

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	77.301229	79.221534	0	70.20	<.0001

Treatment related impact measures - diabetes (TRIM-D) scores after 26 weeks -
 statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=TRIMBUR Long label=Treatment burden (score) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.132490	2.304257	2.436879	337287

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.057555	0.054429	0.999946

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	3.183776	1.561051	0.124162 6.243390	337287

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	1.903882	4.352004	0	2.04	0.0414

Treatment related impact measures - diabetes (TRIM-D) scores after 26 weeks -
 statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=TRIMBUR Long label=Treatment burden (score) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.052709	1.150611	1.203373	519664

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.045856	0.043849	0.999956

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	75.020962	1.096984	72.87091	77.17102	519664

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	74.227031	75.732280	0	68.39	<.0001

Treatment related impact measures - diabetes (TRIM-D) scores after 26 weeks -
 statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=TRIMBUR_CH_ABS_BL Long label=Treatment burden (score) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.090281	1.150611	1.240983	188380

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.078542	0.072832	0.999927

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	7.530134	1.113994	5.346732 9.713536	188380

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	6.626625	8.546931	0	6.76	<.0001

Treatment related impact measures - diabetes (TRIM-D) scores after 26 weeks -
 statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=TRIMBUR_CH_ABS_BL Long label=Treatment burden (score) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.052709	1.150611	1.203373	519664

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.045856	0.043849	0.999956

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	4.346358	1.096984	2.196305 6.496412	519664

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	3.552428	5.057677	0	3.96	<.0001

Treatment related impact measures - diabetes (TRIM-D) scores after 26 weeks -
statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=TRIMDCOM Long label=Compliance (score) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.073339	0.836720	0.910133	153544

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.087739	0.080673	0.999919

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	89.396241	0.954009	87.52640 91.26608	153544

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	88.587646	90.329509	0	93.71	<.0001

Treatment related impact measures - diabetes (TRIM-D) scores after 26 weeks -
statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=TRIMDCOM Long label=Compliance (score) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.108336	1.679581	1.788025	271581

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.064566	0.060657	0.999939

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	0.995923	1.337171	-1.62489 3.616741	271581

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.176766	2.038855	0	0.74	0.4564

Treatment related impact measures - diabetes (TRIM-D) scores after 26 weeks -
 statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=TRIMDCOM Long label=Compliance (score) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.043214	0.836720	0.879977	413420

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.051699	0.049162	0.999951

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	88.400318	0.938071	86.56173 90.23891	413420

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	87.667750	89.052264	0	94.24	<.0001

Treatment related impact measures - diabetes (TRIM-D) scores after 26 weeks -
 statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=TRIMDCOM_CH_ABS_BL Long label=Compliance (score) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.073339	0.836720	0.910133	153544

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.087739	0.080673	0.999919

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	7.967670	0.954009	6.097832	9.837507	153544

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	7.159074	8.900937	0	8.35	<.0001

Treatment related impact measures - diabetes (TRIM-D) scores after 26 weeks -
statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=TRIMDCOM_CH_ABS_BL Long label=Compliance (score) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.043214	0.836720	0.879977	413420

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.051699	0.049162	0.999951

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	6.971747	0.938071	5.133156 8.810338	413420

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	6.239179	7.623693	0	7.43	<.0001

Treatment related impact measures - diabetes (TRIM-D) scores after 26 weeks -
 statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=TRIMDLI Long label=Daily life (score) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.086819	0.962046	1.048952	145538

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.090335	0.082863	0.999917

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	87.375917	1.024184	85.36854	89.38330	145538

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	86.475083	88.388448	0	85.31	<.0001

Treatment related impact measures - diabetes (TRIM-D) scores after 26 weeks -
 statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=TRIMDLI Long label=Daily life (score) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.124658	1.931116	2.055899	271181

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.064617	0.060702	0.999939

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	0.847174	1.433841	-1.96311	3.657462	271181

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-0.355348	1.930847	0	0.59	0.5546

Treatment related impact measures - diabetes (TRIM-D) scores after 26 weeks -
 statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=TRIMDLI Long label=Daily life (score) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.047686	0.962046	1.009780	447057

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.049617	0.047276	0.999953

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	86.528743	1.004878	84.55921	88.49827	447057

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	85.784901	87.181270	0	86.11	<.0001

Treatment related impact measures - diabetes (TRIM-D) scores after 26 weeks -
 statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=TRIMDLI_CH_ABS_BL Long label=Daily life (score) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.086819	0.962046	1.048952	145538

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.090335	0.082863	0.999917

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	3.268774	1.024184	1.261394	5.276154	145538

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	2.367940	4.281305	0	3.19	0.0014

Treatment related impact measures - diabetes (TRIM-D) scores after 26 weeks -
statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=TRIMDLI_CH_ABS_BL Long label=Daily life (score) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.047686	0.962046	1.009780	447057

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.049617	0.047276	0.999953

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	2.421600	1.004878	0.452070 4.391130	447057

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	1.677759	3.074127	0	2.41	0.0160

Treatment related impact measures - diabetes (TRIM-D) scores after 26 weeks -
 statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=TRIMDMAN Long label=Diabetes management (score) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.130096	1.316304	1.446530	123260

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.098933	0.090041	0.999910

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	73.638741	1.202718	71.28143	75.99605	123260

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	72.489354	74.794169	0	61.23	<.0001

Treatment related impact measures - diabetes (TRIM-D) scores after 26 weeks -
statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=TRIMDMAN Long label=Diabetes management (score) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.186500	2.636453	2.823140	228456

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.070810	0.066136	0.999934

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	7.273391	1.680220	3.980202	10.56658	228456

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	5.809369	8.717495	0	4.33	<.0001

Treatment related impact measures - diabetes (TRIM-D) scores after 26 weeks -
statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=TRIMDMAN Long label=Diabetes management (score) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.070687	1.316304	1.387061	383893

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.053755	0.051018	0.999949

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	66.365350	1.177736	64.05702 68.67368	383893

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	65.467812	67.197381	0	56.35	<.0001

Treatment related impact measures - diabetes (TRIM-D) scores after 26 weeks -
statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=TRIMDMAN_CH_ABS_BL Long label=Diabetes management (score) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.130096	1.316304	1.446530	123260

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.098933	0.090041	0.999910

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	16.987947	1.202718	14.63064	19.34525	123260

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	15.838560	18.143376	0	14.12	<.0001

Treatment related impact measures - diabetes (TRIM-D) scores after 26 weeks -
 statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=TRIMDMAN_CH_ABS_BL Long label=Diabetes management (score) arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.070687	1.316304	1.387061	383893

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.053755	0.051018	0.999949

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	9.714556	1.177736	7.406230 12.02288	383893

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	8.817018	10.546587	0	8.25	<.0001

Treatment related impact measures - diabetes (TRIM-D) scores after 26 weeks -
 statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=TRIMDPSY Long label=Psychological health (score) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.062969	0.692833	0.755866	143658

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.090978	0.083404	0.999917

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	89.393457	0.869405	87.68944	91.09747	143658

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	88.616150	90.270418	0	102.82	<.0001

Treatment related impact measures - diabetes (TRIM-D) scores after 26 weeks -
 statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=TRIMDPSY Long label=Psychological health (score) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.090325	1.388337	1.478752	267223

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.065125	0.061150	0.999939

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	1.642838	1.216039	-0.74057	4.026242	267223

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	0.617548	2.608781	0	1.35	0.1767

Treatment related impact measures - diabetes (TRIM-D) scores after 26 weeks -
 statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=TRIMDPSY Long label=Psychological health (score) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.034473	0.692833	0.727340	443836

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.049806	0.047447	0.999953

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	87.750619	0.852843	86.07907 89.42216	443836

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	87.123345	88.319711	0	102.89	<.0001

Treatment related impact measures - diabetes (TRIM-D) scores after 26 weeks -
 statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=TRIMDPSY_CH_ABS_BL Long label=Psychological health (score) arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.062969	0.692833	0.755866	143658

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.090978	0.083404	0.999917

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	6.692564	0.869405	4.988547	8.396582	143658

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	5.915257	7.569525	0	7.70	<.0001

Treatment related impact measures - diabetes (TRIM-D) scores after 26 weeks -
 statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=TRIMDPSY_CH_ABS_BL Long label=Psychological health (score) arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.034473	0.692833	0.727340	443836

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.049806	0.047447	0.999953

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	5.049726	0.852843	3.378181 6.721272	443836

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	4.422452	5.618818	0	5.92	<.0001

Treatment related impact measures - diabetes (TRIM-D) scores after 26 weeks -
 statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=TRIMDTOT Long label=TRIM-D total (score) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.039955	0.464802	0.504797	159143

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.086048	0.079242	0.999921

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	83.815002	0.710491	82.42246	85.20755	159143

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	83.173856	84.471846	0	117.97	<.0001

Treatment related impact measures - diabetes (TRIM-D) scores after 26 weeks -
 statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=TRIMDTOT Long label=TRIM-D total (score) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.056074	0.930963	0.987093	308950

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.060293	0.056870	0.999943

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	2.778457	0.993525	0.831176 4.725739	308950

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	2.006286	3.543278	0	2.80	0.0052

Treatment related impact measures - diabetes (TRIM-D) scores after 26 weeks -
 statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=TRIMDTOT Long label=TRIM-D total (score) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.020516	0.464802	0.485338	557969

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.044183	0.042317	0.999958

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	81.036545	0.696662	79.67111 82.40198	557969

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	80.561073	81.471063	0	116.32	<.0001

Treatment related impact measures - diabetes (TRIM-D) scores after 26 weeks -
 statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=TRIMDTOT_CH_ABS_BL Long label=TRIM-D total (score) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.039955	0.464802	0.504797	159143

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.086048	0.079242	0.999921

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	8.271111	0.710491	6.878564	9.663658	159143

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	7.629966	8.927955	0	11.64	<.0001

Treatment related impact measures - diabetes (TRIM-D) scores after 26 weeks -
 statistical analysis - unconditional multiple imputation - full analysis set

Parameter Code=TRIMDTOT_CH_ABS_BL Long label=TRIM-D total (score) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.020516	0.464802	0.485338	557969

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.044183	0.042317	0.999958

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	5.492654	0.696662	4.127218 6.858090	557969

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	5.017182	5.927172	0	7.88	<.0001

37: Hypoglycaemic episodes – treatment emergent – confirmatory statistical analysis – primary estimand – multiple imputation method 1 – full analysis set

Description of Planned Arm=Comparator Description of Planned Arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.000669	0.038694	0.039363	3.46E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.017297	0.017003	0.999983

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	4.352057	0.198401	3.963198 4.740916	3.46E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	4.304581	4.511650	0	21.94	<.0001

Hypoglycaemic episodes - treatment emergent - confirmatory statistical analysis -
primary estimand - multiple imputation method 1 - full analysis set

Description of Planned Arm=Comparator Description of Planned Arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.004795	0.083508	0.088308	338120

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.057480	0.054362	0.999946

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	0.866977	0.297167	0.284539 1.449415	338120

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	0.570792	1.053979	0	2.92	0.0035

Hypoglycaemic episodes - treatment emergent - confirmatory statistical analysis -
 primary estimand - multiple imputation method 1 - full analysis set

Description of Planned Arm=IDegLira Description of Planned Arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.005146	0.055540	0.060691	138702

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.092738	0.084881	0.999915

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	3.485080	0.246355	3.002230 3.967930	138702

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	3.379146	3.849292	0	14.15	<.0001

38: Hypoglycaemic episodes – treatment emergent – statistical sensitivity analysis – primary estimand – multiple imputation method 2 – full analysis set

Description of Planned Arm=Comparator Description of Planned Arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.000745	0.038817	0.039563	2.81E6

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.019223	0.018861	0.999981

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	4.353922	0.198904	3.964076 4.743768	2.81E6

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0:	
				Parameter=Theta0	Pr > t
estimate	4.297959	4.498735	0	21.89	<.0001

Hypoglycaemic episodes - treatment emergent - statistical sensitivity analysis - primary
 estimand - multiple imputation method 2 - full analysis set

Description of Planned Arm=Comparator Description of Planned Arm=IDegLira

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.007522	0.083087	0.090617	144679

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.090627	0.083109	0.999917

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	0.837236	0.301027	0.247229	1.427243	144679

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	0.388168	1.066675	0	2.78	0.0054

Hypoglycaemic episodes - treatment emergent - statistical sensitivity analysis - primary
 estimand - multiple imputation method 2 - full analysis set

Description of Planned Arm=IDegLira Description of Planned Arm=' '

The MIANALYZE Procedure

Model Information

Data Set	WORK.INPUT_TO_MIANALYZE
Number of Imputations	1000

Variance Information

Parameter	-----Variance-----			DF
	Between	Within	Total	
estimate	0.008211	0.054876	0.063095	58871

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.149778	0.130296	0.999870

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits		DF
estimate	3.516686	0.251187	3.024358	4.009014	58871

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	3.373053	3.966223	0	14.00	<.0001

39: Hypoglycaemic episodes – treatment emergent – supportive statistical analysis – secondary estimand – full analysis set

The GENMOD Procedure

Model Information

Data Set	WORK.HYPO	
Distribution	Negative Binomial	
Link Function	Log	
Dependent Variable	AVAL	Analysis Value
Offset Variable	log_offset	

Number of Observations Read	420
Number of Observations Used	419
Missing Values	1

Class Level Information

Class	Levels	Values
PREOAD2	2	SGLT2i + DPP4i + met + pio SGLT2i + metformin(met) + pioglitazone(pio)
ARM	2	IDegLira IGlar

Parameter Information

Parameter	Effect	PREOAD2	ARM
Prm1	Intercept		
Prm2	ARM		IDegLira
Prm3	ARM		IGlar
Prm4	PREOAD2	SGLT2i + DPP4i + met + pio	
Prm5	PREOAD2	SGLT2i + metformin(met) + pioglitazone(pio)	

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	416	188.2724	0.4526
Scaled Deviance	416	188.2724	0.4526
Pearson Chi-Square	416	359.7190	0.8647
Scaled Pearson X2	416	359.7190	0.8647
Log Likelihood		-196.4154	
Full Log Likelihood		-268.4497	
AIC (smaller is better)		544.8995	
AICC (smaller is better)		544.9961	
BIC (smaller is better)		561.0510	

Algorithm converged.

Hypoglycaemic episodes - treatment emergent - supportive statistical analysis -
secondary estimand - full analysis set

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates

Parameter	DF	Estimate	Standard Error
Intercept	1	4.6654	0.2098
ARM IDegLira	1	-0.9079	0.2942
ARM IGLar	0	0.0000	0.0000
PREOAD2 SGLT2i + DPP4i ± met ± pio	1	-0.6294	0.3246
PREOAD2 SGLT2i ± metformin(met) ± pioglitazone(pio)	0	0.0000	0.0000
Dispersion	1	4.9113	1.0682

Analysis Of Maximum Likelihood Parameter Estimates

Parameter	Wald 95% Confidence Limits	Wald Chi-Square
Intercept	4.2541 5.0767	494.33
ARM IDegLira	-1.4846 -0.3312	9.52
ARM IGLar	0.0000 0.0000	.
PREOAD2 SGLT2i + DPP4i ± met ± pio	-1.2657 0.0068	3.76
PREOAD2 SGLT2i ± metformin(met) ± pioglitazone(pio)	0.0000 0.0000	.
Dispersion	3.2067 7.5221	

Analysis Of Maximum Likelihood Parameter Estimates

Parameter	Pr > ChiSq
Intercept	<.0001
ARM IDegLira	0.0020
ARM IGLar	.
PREOAD2 SGLT2i + DPP4i ± met ± pio	0.0525
PREOAD2 SGLT2i ± metformin(met) ± pioglitazone(pio)	.
Dispersion	

NOTE: The negative binomial dispersion parameter was estimated by maximum likelihood.

ARM Least Squares Means

Description of Planned Arm	Estimate	Standard Error	z Value	Pr > z	Alpha	Lower	Upper
IDegLira	3.4428	0.2427	14.19	<.0001	0.05	2.9672	3.9184
IGlar	4.3507	0.1977	22.00	<.0001	0.05	3.9632	4.7382

ARM Least Squares Means

Description of Planned Arm	Exponentiated	Exponentiated Lower	Exponentiated Upper
IDegLira	31.2741	19.4371	50.3197
IGlar	77.5328	52.6233	114.23

Hypoglycaemic episodes - treatment emergent - supportive statistical analysis -
 secondary estimand - full analysis set

The GENMOD Procedure

Differences of ARM Least Squares Means

Description of Planned Arm	Description of Planned Arm	Estimate	Standard Error	z Value	Pr > z	Alpha
IDegLira	IGlar	-0.9079	0.2942	-3.09	0.0020	0.05

Differences of ARM Least Squares Means

Description of Planned Arm	Description of Planned Arm	Lower	Upper	Exponentiated	Exponentiated Lower	Exponentiated Upper
IDegLira	IGlar	-1.4846	-0.3312	0.4034	0.2266	0.7180

40: Pulse after 26 weeks – change from baseline – supportive statistical analysis – unconditional multiple imputation - full analysis set

Parameter Code=C49676X Long label=Pulse (beats/min) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.022313	0.262354	0.284690	162296

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.085136	0.078468	0.999922

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	77.422223	0.533563	76.37645 78.46800	162296

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	76.784513	77.851072	0	145.10	<.0001

Pulse after 26 weeks - change from baseline - supportive statistical analysis -
unconditional multiple imputation - full analysis set

Parameter Code=C49676X Long label=Pulse (beats/min) arm=IDegLira _arm=IGlar

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.032328	0.526408	0.558768	297857

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.061474	0.057920	0.999942

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	2.581051	0.747508	1.115956 4.046145	297857

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	2.006620	3.119392	0	3.45	0.0006

Pulse after 26 weeks - change from baseline - supportive statistical analysis -
 unconditional multiple imputation - full analysis set

Parameter Code=C49676X Long label=Pulse (beats/min) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.013380	0.262354	0.275747	423482

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.051049	0.048574	0.999951

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	74.841172	0.525116	73.81196 75.87038	423482

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	74.509123	75.328281	0	142.52	<.0001

Pulse after 26 weeks - change from baseline - supportive statistical analysis -
 unconditional multiple imputation - full analysis set

Parameter Code=C49676X_CH_ABS_BL Long label=Pulse (beats/min) arm=IDegLira _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
 Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.022313	0.262354	0.284690	162296

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.085136	0.078468	0.999922

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	1.879366	0.533563	0.833594 2.925138	162296

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	1.241656	2.308215	0	3.52	0.0004

Pulse after 26 weeks - change from baseline - supportive statistical analysis -
unconditional multiple imputation - full analysis set

Parameter Code=C49676X_CH_ABS_BL Long label=Pulse (beats/min) arm=IGlar _arm=' '

The MIANALYZE Procedure

Model Information

Data Set WORK.INPUT_TO_MIANALYZE
Number of Imputations 1000

Variance Information

Parameter	Between	Within	Total	DF
estimate	0.013380	0.262354	0.275747	423482

Variance Information

Parameter	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
estimate	0.051049	0.048574	0.999951

Parameter Estimates

Parameter	Estimate	Std Error	95% Confidence Limits	DF
estimate	-0.701685	0.525116	-1.73090 0.327526	423482

Parameter Estimates

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > t
estimate	-1.033734	-0.214577	0	-1.34	0.1815