

Design and usability testing of a tailored intervention to increase awareness about sleep and sleep disorders among transportation workers

NCT05039528

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STATISTICAL ANALYSIS

All focus groups and interviews will be audio recorded. Audio recordings will be transcribed verbatim and checked for accuracy. The primary objective of the analysis is to identify themes regarding OSA barriers and facilitators so as to develop key messages for a future tailored OSA intervention for this population. The processing and analysis of the qualitative interview data will be done using content comparison, an inductive analytic method. Codes derived from this data will be linked to interview questions and result in coding categories. Summarization of coding categories will be performed within-cases, then across cases, and subsequently cross classified to yield a rich descriptive analysis. Finally, emerging themes both within and across coding categories will be identified; and review of fit with data verified. The emergence of themes will be analyzed within-cases then across cases to identify commonalities among subsets of individuals using Atlas.ti version 7.0, a powerful software package for the qualitative analysis of textual data.

Data collected from the pilot study will be cleaned. Descriptive statistics will be computed for each questionnaire. Responses will be analyzed using generalized linear mixed modeling to examine within subject differences across time. Responses will also be analyzed between subjects using the appropriate statistical test, either ANOVA or a paired t-test, depending on the nature of the data.