Statistical Analysis Plan

Obstructive Sleep Apnea in WTC responders: Role of nasal Pathology

NCT01753999

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Primary Outcome Measure: Measure Title Adherence to CPAP

Measure Description: The use (number of hours per night) will be compared between standard CPAP and CPAP flex.

Statistical method:

Generalized estimating equations (GEE) models, with mean hours per night as the dependent variable, will be used to compare the device use of standard CPAP and CPAP flex.

Secondary Outcome Measure: Measure Title CPAP Efficacy

Measure Description: Efficacy will be evaluated by measuring the apnea and hypopnea index (AHI) during treatment. The efficacy of standard CPAP and CPAP flex will be compared.

Statistical method:

Generalized estimating equations (GEE) models, with AHI as the dependent variable, will be used to compare the efficacy between standard CPAP and CPAP flex.