ARIC MANUSCRIPT PROPOSAL FORM

Manuscript #523S

1. Full Title: The Effects of Obstructive Sleep Apnea on Quality of Life.
   Abbreviated Title (Length 26): OSA and QOL

2. Writing Group (list individual with lead responsibility first):
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   To be determined, Coordinating Center

3. Timeline:
   Target start date at the end of September (if data is available). Finish date will be as
   outlined, assuming P&P approval and Coordinating Center availability for analysis.

4. Rationale:
   OSA produces sleep disruption and hypoxemia. Studies have variably and inconsistently
   shown associations between OSA and psychosocial measures. It is reasonable to
   postulate that OSA produces any abnormalities in these psychosocial measures and not
   vice-versa.

5. Main Hypothesis: (and Research Questions)
   In a large population, there is a positive association (correlation) between OSA and
   components of the SF36, or the aggregate SF36 scale.

6. Data (variables, time window, source, inclusions/exclusions):
   Any site that has demographic, SES, BMI, smoking, alcohol histories, SF36 data, RDI,
   and number of desaturation events. Statistical Analyses: Multiple linear regression;
   Logistic regression with dichotomized SF36 scores and RDI, desaturation events, etc.
   using those variables that are significant in 2XR tables.