ARIC MANUSCRIPT PROPOSAL FORM

Manuscript #480

1. Full Title: SES and Change in CVD Risk Factors
   Abbreviated Title (length 26): SES & Incident Risk Factors

2. Writing Group (list individual with lead responsibility first):
   Lead: Rose, K.
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3. Timeline:
   Analysis to start in April, 1997. Draft ms. anticipated in November, 1997

4. Rationale:
   Over the course of the currently available 6 years of follow-up, ARIC participants are
   expected to exhibit a heterogeneous transition in their exposure to various "established"
   CVD risk factors. Progression, regression, as well as stability in risk factor status can be
   anticipated for attributes such as cigarette smoking, obesity, hypertension, elevated (total)
   cholesterol, physical (in)activity, and diabetes. As documented previously in the
   literature, this process is expected to be influenced by measurement error, age, gender,
   ethnicity, and socioeconomic status (SES) at baseline.

5. Main Hypotheses:
   The 6-year progression from unexposed to "at risk" status for established CVD risk
   factors is (directly) related to male gender, African American ethnicity, and lower SES.
   The 6-year regression of "at risk" status to unexposed for established CVD risk factors is
   (inversely) related to male gender, African American ethnicity, and lower SES.

6. Data (variables, time window, source, inclusions/exclusions):
   The analyses will focus on the transitional pattern in risk factor status from baseline to
   ARIC's Visit 3, adjusting for baseline level (and/or additional forms of adjustment for
   measurement error). CVD risk factors to be considered are cigarette smoking, obesity,
   hypertension, elevated (total) cholesterol, physical (in)activity, and diabetes. The writing
   group will coordinate with other ARIC investigators who are developing analyses of the
   6-year incidence of risk factors included in this list, whose hypotheses do not overlap
   with the socio-environmental one addressed in this analysis.