

ARIC MANUSCRIPT PROPOSAL FORM

Manuscript #338

1. Title: Trends in Coronary Heart Disease Incidence Rates and Case-fatality: 1987-1993

2. Writing Group:

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3. Timeline:

Final analysis would not begin until all centers complete original sampling fractions. Final closure of 1987-1993 using original sampling is targeted for May 1996.

4. Rationale:

National vital statistics provide trends in myocardial infarction event rates and CHD mortality rates for the US. Declines in age-adjusted rates of CHD from national data suggests increasing effects of primary prevention and medical care. However, contemporary incidence rates of validated CHD events for different race-gender-geographic location strata are not well documented. This paper will utilize ARIC surveillance to document recent trends in CHD incidence.

5. Main Hypotheses:

- (1) Incidence rates of MI and mortality rates of CHD declined from 1987 to 1993.
- (2) In-hospital CHD mortality declined at a greater rate than out-of-hospital mortality.
- (3) Differences in rates of decline exist among race and gender groups and geographic locations.
- (4) Case-fatality (28 day) from myocardial infarction declined from 1987-1993. Differences exist between race-gender and geographic location.
- (5) Compare and contrast MI attack rates, incidence rates, and vital statistics rates.

6. Data:

ARIC community surveillance data will be used for these analyses. A definition of sudden death will be developed for this manuscript.