

## ARIC MANUSCRIPT PROPOSAL FORM

Manuscript #087

1. Title:

Arterial Wall Thickness, Distensability, and Prevalent Disease

2. Writing Group:

(lead) Burke      Evans      Riley      Sharrett      Barnes      Crow  
Rautaharju      Carpenter      Heiss

3. Timeline:

The data are available from the latest Visit 1 files. A definition of prevalent CHD needs to be developed, but a classification for TIA and stroke exists. The writing group has the resources to carry out the analyses. Conditional on Publications Committee priorities, analyses can begin within three weeks from approval of this request.

4. Rationale:

Associations between cardiovascular risk factors and arterial wall thickness and distensibility are being addressed by ARIC writing groups. The relation of arterial wall thickness and distensibility with prevalent cardiovascular and cerebrovascular disease manifestations needs to be addressed, but has not yet been attempted.

5. Main Hypothesis:

Prevalent CHD, cerebrovascular, and peripheral vascular disease are associated with increased far wall thickness and reduced arterial compliance.

6. Data Requested:

The data needed for this manuscript include derived variables for B-mode ultrasound, derived variables for arterial distensibility, home interview and medical history interview variables, and medications survey data. Covariates will include demographic characteristics, study center, clinical chemistries, and the "established" cardiovascular risk factors used in manuscript # 002.