ARIC MANUSCRIPT PROPOSAL FORM

Manuscript #012

1. Title (length 26):
Ultrasound, Obesity, Diabetes

2. Writing Group (list individual with lead first):
(lead) Folsom
Eckfeldt, Hutchinson, CCSC and Ultrasound representatives

3. Timeline:
Could be started now. Physical activity variable will need occupational coding finished to be completely scored.

4. Rationale:
While these factors have been associated with clinical disease, their association with atherosclerosis is not established. Using ultrasound as an endpoint for physical activity avoids the problem of selection by subjects with clinical disease to lower physical activity categories. Diabetes is a major risk factor for clinical disease, insulin and glucose are less well established. These should be examined in relation to ultrasound.

5. Main Hypothesis:
1. BMI, fat distribution, and physical activity are associated with ultrasound wall thickness.
2. Fasting serum glucose, insulin, and diabetes are associated with ultrasound wall thickness.

6. Data (variables, time window, source, inclusions/exclusions):
Ultrasound wall thickness vs. body circumferences, skinfolds, height, weight, and physical activity.
Ultrasound wall thickness vs. insulin, glucose, diabetes. Other chemistries could be simultaneously examined.

Keywords: Ultrasound, anthro., diabetes, wall thickness