

ARIC MANUSCRIPT PROPOSAL FORM

Manuscript #108

1. Title (length 26):

IIV for Plasma Fatty Acids

2. Writing Group (list individual with lead responsibility first):

(lead) Eckfeldt Folsom Chambless

3. Timeline:

When intra-individual variability (IIV) study specimens are done being analyzed for fatty acid composition (Fall 1990) data analysis can begin. Estimated completion date for first draft is July 1991.

4. Rationale:

We want to quantify the short-term IIV (2 weeks and 1 month from the IIV study samples) and long-term IIV (3 years from our visit 1 vs. visit 2 samples from selected participants). We will then compare the short-term and long-term IIV to the inter-individual variability of plasma fatty acid concentration that we have measured in the Minneapolis cohort as part of the ancillary ARIC study (Epidemiology of Plasma Fatty Acids and Atherosclerosis, J. Eckfeldt, PI).

5. Main Hypothesis:

That intra-individual variability will be small relative to inter-individual variability.

6. Data (variables, time window source, inclusion/exclusions):

All fatty acid data will be generated in Dr. Eckfeldt's research laboratory. Since the set of IIV specimens from the Lipid Laboratory is incomplete, the Coordinating Center will need to tell Dr. Eckfeldt exactly which specimens to analyze for fatty acid content. Data analysis will be performed by Dr. Chambless.

Keywords: IIV, lipids