

ARIC MANUSCRIPT PROPOSAL FORM

Manuscript #343

1. Title: Insulin, NIDDM, Obesity, & CHD Incidence

2. Writing Group:

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3. Timeline:

Analyses on pre-1992 data can begin now in Minnesota. Final paper will require pre-1994 incidence data.

4. Rationale:

Whether insulin is a risk factor for coronary heart disease is controversial; no data exist for blacks. Waist-to-hip ratio correlates with fasting insulin and has been a risk factor in several studies, but again data are limited for blacks. The independent CHD association of waist-to-hip ratio vs. BMI needs to be addressed. Diabetes and glucose are added for completeness. This follows up on ARIC paper #231 on carotid IMT.

5. Main Hypothesis:

Fasting insulin, waist-to-hip ratio, and diabetes are positively associated with CHD risk. Associations will be similar in blacks and whites.

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

ARIC Visit 1 risk factor data will be analyzed in relation to the incident CHD data.

*I would like this considered to be exempt from statistical analysis, when we submit an analysis plan.