ARIC MANUSCRIPT PROPOSAL FORM

Manuscript #391

1. a. Full Title: Multi-country association of insulin and glucose with hypertension and triglycerides
   b. Abbreviated Title: Multi-country MMS

2. Writing Group:

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3. Timeline:

   We hope to submit an abstract in November to the Montreal meetings and have a first draft by January 1997.

4. Rationale:

   Most studies of the multiple metabolic syndrome have been conducted in the US and western Europe. The prevalence of hypertension is very high in East European countries such as Poland and Russia and is moderately high in China. At the same time East Europeans have similar triglycerides levels by comparison with Americans, and Chinese levels are relatively low. There have been few studies of the association of hypertension, elevated lipids and insulin in these countries. This study will investigate the association in population samples from Poland, Russia and China. The insulin and glucose assays were done at the Minnesota lab which also did the ARIC measures. This analysis will use the ARIC screen 1 data for comparison with the results from the other countries. This analysis will use the ARIC screen 1 data for comparison with the results from the other countries. These ARIC data have already been reported in MS#027 and MS#027a. However, the analysis will be different to conform to that for the other countries. The manuscript will reference the precious ARIC papers.

5. Main Hypothesis:

   There will be an association (clustering) of hypertension, dyslipidemia, and insulin in all of the samples from the different countries. This association will be similar across countries when adjusted for obesity and waist-hip ratio.

6. Data (variables, time window, source, inclusions/exclusions):
Screen 1 ARIC data will be used, including BP, lipids, anthropometric measures, insulin, glucose and medication use.