

## ARIC MANUSCRIPT PROPOSAL FORM

Manuscript #525

1. Title: Elevated Uric Acid as a risk factor for coronary heart disease: the ARIC study
2. Writing Group (list individual with lead responsibility first):  
Lead: Joseph Moriarity c/o Aaron Folsom, MD  
Address: Div. of Epidemiology, School of Public Health, Univ. of Minnesota  
1300 South Second Street, Suite 300, Minneapolis, MN 55454-1015

Aaron Folsom            Carlos Iribarren  
Wayne Rosamond      Javier Nieto  
Dan Jones

3. Timeline: Draft manuscript available 12/97

4. Rationale:

Many studies have been conducted investigating the complex association of elevated serum uric acid with coronary heart disease (CHD). While some studies have found elevated serum uric acid to be an independent risk factor for CHD others have concluded that the association is largely explained by the interrelationship of serum uric acid with other CHD risk factors such as hypertension, obesity, and elevated lipids.

5. Main Hypothesis:

Prospective: Elevated serum uric acid levels have a moderate independent positive association with CHD.

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

Dependent variable: CHD incidence through 1994

Independent variable: Serum uric acid Other variables: age, race, sex, ARIC center, BMI, Waist to Hip ratio, SBP, DBP, triglycerides, LDL and HDL cholesterol, fasting glucose and insulin, BUN, creatinine, diuretic use, hypertension medication use, alcohol intake, cigarette smoking, sports activity index.

Exclusions: Prevalent CHD, cancer, use of allopurinol or other uricosuric agents.