

ARIC MANUSCRIPT PROPOSAL FORM

Manuscript #120

1. Title:

Predictors of Elevated Creatinine in WC

2. Writing Group:

(lead) Perneger

Nieto

Szklo

Whelton

Comstock

3. Timeline:

Immediately

4. Rationale:

Few longitudinal studies have examined risk factors for the deterioration of kidney function. A subset (n = 1,410) of Washington County residents participated in the 1974 CLUE I survey and in the ARIC study. This sample provides an opportunity to examine long-term predictors of creatinine levels.

5. Main Hypothesis:

Cardiovascular risk factors (BP, smoking status, obesity) are associated with serum creatinine levels.

6. Data:

ARIC data on 1,410 WC ARIC subjects also participants in CLUE I: creatinine (dependent variable), blood pressure, blood pressure medication, family history, anthropometry, dietary Na, socio-demographics. CLUE data include 1974 blood pressure, blood pressure medication, education, marital status, smoking habits.

P.S. Dr. Thomas Perneger is a graduate student in the Department of Epidemiology, JHU School of Hygiene and Public Health, and will work under the supervision of Dr. Nieto and Dr. Szklo.