ARIC MANUSCRIPT PROPOSAL FORM

Manuscript #024

1. Title (length 26):
Black White QTc Intervals

2. Writing Group (list individual with lead first):
(lead) Hutchinson              Spencer
       Crow                   Interested Others
       Thompson

3. Timeline:
As soon as all baseline EKG data have been collected, work should begin.

4. Rationale:
Most normal values relating heart rate to QTc interval have been developed from measurements made in predominantly white populations. From our observations, we suspect that the QTc interval is longer in normal black participants than in whites. If so, separate tables of normal rate related QT intervals for the black population need to be developed.

5. Main Hypothesis:
The QTc is more prolonged in normal blacks than in their white counterparts.

6. Data (variables, time window, source, inclusions/exclusions):
As an initial step, we need the separate baseline visit QTc intervals for all ARIC black participants and for all whites with the exception of those participants on medications affecting the QT duration (i.e., antiarrhythmics, psychiatric drugs, digitalis, diuretics, etc.). If the QTc interval is longer in black than in white people, then consideration should be given to developing separate tables for normal heart rate-QTc intervals in blacks.

Keywords: Race, ECG