1.a. Full Title: Cuff Size in Blood Pressure Measurement

Abbreviated Title: Cuff Size

2. Writing Group:
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3. Timeline:
   Analysis is to begin following publications committee approval.
   Manuscript anticipated for initial review by Jan. 2002.

4. Rationale:
   The correct cuff and bladder size used in the measurement blood pressure is important for accurate assessment of the blood pressure. The use of a cuff that is too short and narrow for a given arm results in erroneously high blood pressure measurement. Use of a cuff that is too large results in erroneously low blood pressure measures. Most sphygmomanometers sold in the United States have a cuff with a bladder that is 12 cm wide and 23 cm long, which are too short for individuals with an arm circumference of 33 cm. Many subjects will have inaccurate measures of blood pressure if ambulatory manometers or monitors used by health care providers do not have the correct cuff sizes.

5. Hypothesis:
   This is a descriptive analysis of the cuff size used for the measure of blood pressure in the ARIC cohort.

6. Data:
   Visit 3 cross-sectional data
   Variables: Gender
              Race
              Age
              Cuff Size
              Arm Circumference
              BMI
Hypertension (defined as on medications for HTN or a BP ≥ 140/90 mm Hg (systolic or diastolic))

7. Will the data be used for non-CVD analysis in this manuscript?  NO
8. Will DNA data be used in this manuscript?  NO
9. The lead author of this manuscript proposal has reviewed the list of existing ARIC Study manuscript proposals and has found no overlap between this proposal and previously approved manuscript proposals either published or still in active status.  YES