1. Title:
Childhood Weight and Atherosclerosis

2. Writing Group:
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3. Timeline:
Immediately

4. Rationale:
A subset of Washington County ARIC participants (N=724) have been linked to 1933–45 school records on which weight and height at different ages (5 to 18 years) were recorded. Information on sociodemographic characteristics and smoking habits in 1975 is also available in these subjects. This sample provides an opportunity to carry out a prospective study on the relationship of childhood weight (and growth rate) with adult carotid thickness.

5. Main Hypothesis:
Childhood weight is positively associated with adult atherosclerosis.

6. Data:
US (inputted) data on the 724 WC ARIC subjects on which school-age records are available. ARIC anthropometric information and the classical CHD risk factors will be used as covariates. From the school records, pre- and postpubertal weight and height Z-scores and relative weight measurements will be the main independent variables.

Keywords: Artery, anthropometry