CARDIA Committee, Subcommittee & Working Group Responsibilities

Executive Committee—Charged with major decisions regarding contractual, legal, ethical, and policy matters; approves ancillary studies involving additional data collection, use of stored biological specimens, or substantial additional burden on CARDIA operational entities; and approves the release of lab specimens and study data to ancillary study PIs; will meet monthly.

Steering Committee—Oversees all scientific and administrative aspects of our study, will meet at least twice a month by telephone and twice a year in person to review substantive reports and recommendations from subcommittees. Members are the major CARDIA scientists who regularly attend SC meetings and/or lead a major subcommittee or ancillary study.

Clinic Coordination and Retention Subcommittee—Plan and coordinate a retention program to maximize the number of participants in CARDIA telephone, mail, and electronic contact between clinic visits; to recruit for clinic visits; and to serve as a resource group for enhancing the quality and effectiveness of clinic activities. Provides leadership for the development of electronic data collection of exam and annual follow-up data for CARDIA participants.

Design and Analysis Subcommittee—Develop strategies for improving the design of CARDIA, and for applying the most appropriate statistical analysis techniques with particular emphasis on longitudinal data.

Endpoints Surveillance and Adjudication Subcommittee—Develop strategies for obtaining clinical information on all deaths, and on hospitalizations deemed relevant to CARDIA, enhance the completeness with which this information is obtained, and adjudicate the causes of these disease events.

Imaging Subcommittee—Design and oversee techniques for measuring coronary artery calcium and carotid intimal media thickness, address quality control of these data, and guide analysis and interpretation of results.

Laboratory Subcommittee—Design laboratory measurements on blood and urine specimens, oversee use of stored specimens from prior exams, and guide analysis and interpretation of results.

New Investigators Subcommittee—Facilitate integration of new investigators into the CARDIA Study by hosting regular educational sessions on the study’s structure, scientific activities, policies and procedures, and fostering collaborations within the CARDIA Study.

Publications and Presentations Subcommittee—(1) Oversee all CARDIA publications and presentations activities; approve publications and presentations; (2) approve ancillary studies involving only secondary data analyses; (3) stimulate and enhance the timely production of an optimal set of publications and presentations; (4) report all substantive activities and make recommendations to the Steering Committee.

Quality Control Subcommittee—(1) Develop the quality assessment and quality control manual of operation; (2) continuously monitor the quality of the data collection for the different study components and inform the relevant field centers, laboratories, and/or reading centers of any problems identified; and (3) generate the quality control report for the Steering Committee and the Observational Study Monitoring Board.

Systems Biology Subcommittee—Design and coordinate research activities on multi-omics integration in CARDIA, including genetics, epigenetics, transcriptomics, metabolomics, and metagenomics. The group will propose research questions, provide guidance for omic data integration and analyses, review grant proposals for relevant sub-studies, publications, and presentations.

Brain MRI Working Group—Design and oversee the collection of brain MRI data in CARDIA; provide expertise for analyzing and interpreting the brain MRI data, and oversight for all publications and presentations utilizing the data; monitor the development of manuscript portfolio for CARDIA in this topic area; and address quality control issues related to the brain MRI data.
**Cognitive Function Working Group**—Design and oversee the collection of cognitive function data in CARDIA; provide expertise for analyzing cognitive function data and leadership for publications and presentations utilizing cognitive function data; monitor the development of manuscript portfolio for CARDIA in this topic area.

**Diabetes and Obesity Working Group**—(1) Initiate, support, and encourage timely completion of analyses and manuscripts related to diabetes and obesity; (2) promote collaborative relationships among investigators interested in working with CARDIA data related to diabetes and obesity; (3) provide advice on data availability, quality, and variable definitions; (4) provide leadership for the CARDIA Study in the areas of diabetes and obesity; (5) identify priority areas for analyses, data collection during examinations, and ancillary study proposals; (6) act as a liaison to other working groups in CARDIA (e.g. physical activity) to promote collaboration on analyses, manuscripts, and ancillary studies.

**Diet Working Group**—Design and oversee the approaches to collecting dietary data in CARDIA; provide expertise for analyzing dietary data and leadership for publications and presentations utilizing dietary data.

**Hypertension Working Group**—(1) Participate in a monthly conference call featuring the presentation/discussion of works-in-progress and new manuscript proposals; (2) Lead or serve as a co-author of BP-related manuscripts in CARDIA, preferably using Year 30 data; (3) Propose topics that are currently important in BP research and that can be investigated in CARDIA; and (4) Lead or support the development of BP-related ancillary studies, with a focus on the Year 35 examination.

**Physical Activity and Fitness Working Group**—Design and oversee the collection of physical activity, sedentary behavior, and cardiovascular fitness data in CARDIA; provide expertise for analyzing these data and leadership for publications and presentations utilizing physical activity, sedentary behavior, and cardiovascular fitness data; monitor the development of manuscript portfolio for CARDIA in this topic area.

**Pregnancy-Related Outcomes and Exposures Working Group**—(1) Initiate, support, and encourage timely completion of analyses and manuscripts related to pregnancy-related outcomes and exposures; (2) promote collaborative relationships among investigators interested in working with CARDIA data related to pregnancy-related outcomes and exposures, including providing advice on data availability, quality, and variable definitions; and (3) provide leadership for the CARDIA Study in the area of pregnancy-related outcomes and exposures, including identification of priority areas for analyses, data collection during examinations, and ancillary study proposals.

**Psychosocial Working Group**—Design and oversee the psychosocial measures in CARDIA, and guide analysis and interpretation of results.

**Pulmonary Working Group**—Design and oversee techniques for measuring pulmonary function, address quality control of these data, and guide analysis and interpretation of results.

**Renal Working Group**—Examine the determinants and cardiovascular consequences of kidney disease and guide the analysis and use of kidney disease measures in a bi-racial cohort of young and middle-aged adults.

**Reproductive Aging Working Group**—Facilitate development of ancillary studies in this area; design and oversee the approaches to collecting relevant data in CARDIA; provide expertise for analyzing relevant data and leadership for publications and presentations.

**Tobacco Working Group**—Provide technical leadership related to CARDIA approaches to collecting data on tobacco use, dependence, cessation/relapse, secondhand smoke exposure and/or related outcomes. Stimulate and cultivate the growth of tobacco-focused research within CARDIA. Serve as a resource for tobacco issues across CARDIA research. Provide tobacco use guidance and expertise for developing research questions, analyzing data, interpreting results, and producing publications, presentations, and other dissemination activities.

v2017-08-17