

Michelle Averill PhD RD and Chris Delaney PhD

# **UTILITY OF LARGE COHORT DATA**



# MESA Cohort

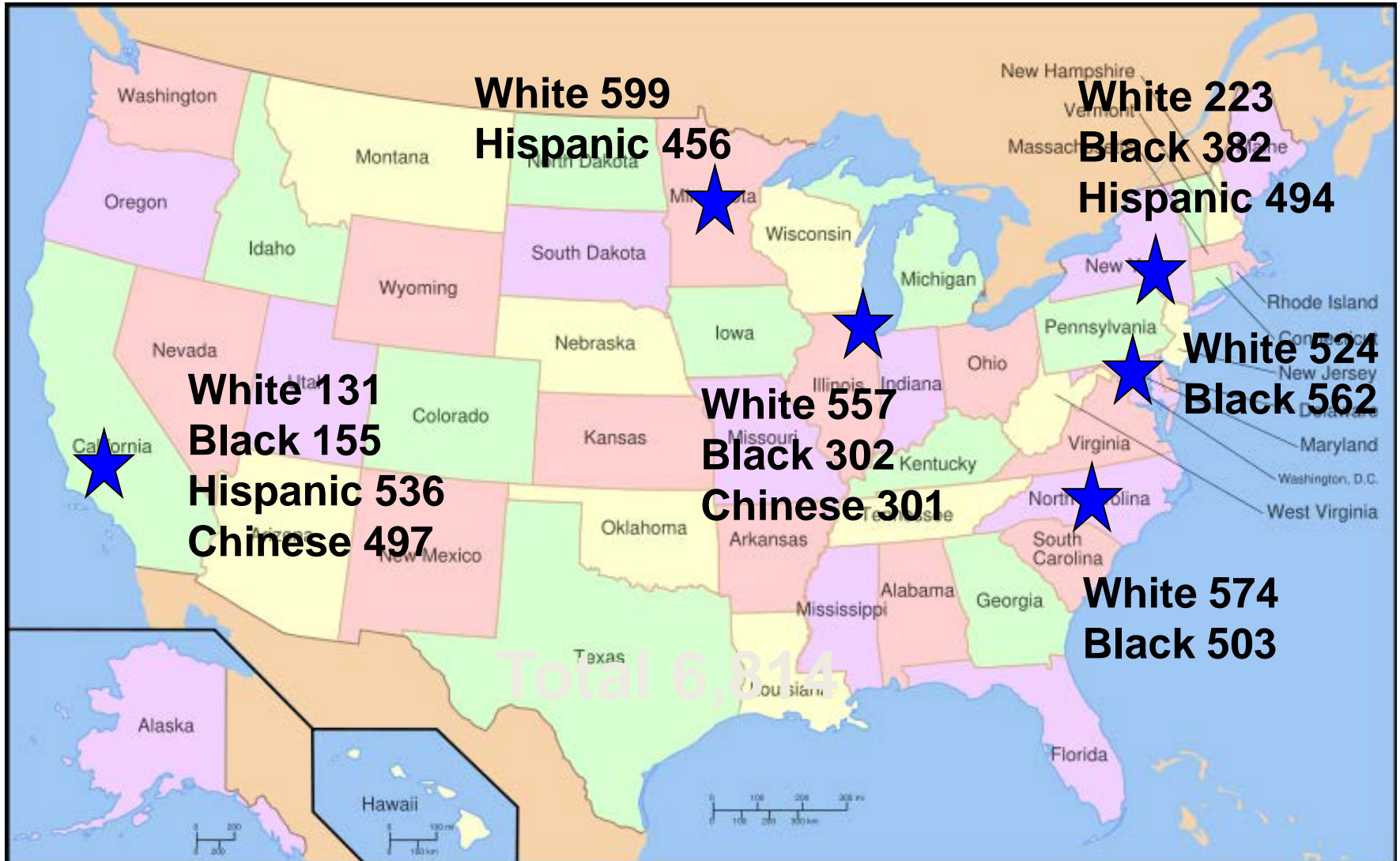
- A cardiovascular disease cohort
- Michelle Averill and Chris Delaney are both MESA investigators
- The same coordinating center also has other cohorts that might be options
  - Older adults (CHS) and HIV-infected (STTR)



# MESA Cohort

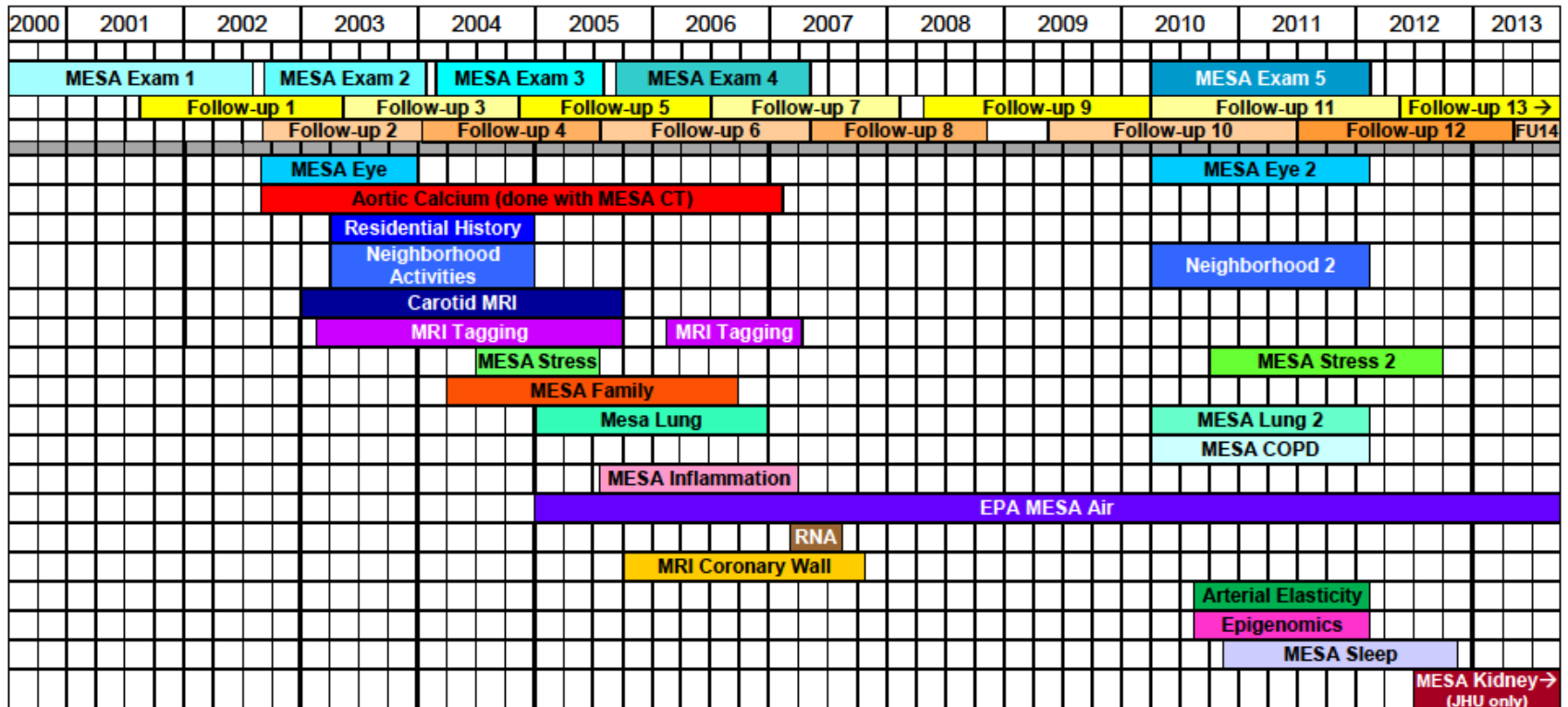
- 6,814 Participants
  - Race/Ethnicity
    - 38% European-American
    - 12% Chinese-American
    - 28% African-American
    - 22% Hispanic-American
  - Female 53%
  - Age
    - Exam1 45-84 years (mean 62 yrs)
    - Exam5 53-94 years (mean 70 yrs)

# Distribution of participants by MESA Field Centers and Ethnicity



# Exams, Follow Up, & Ancillary Studies

MESA Calendar of Exams, Follow Up Calls, and Ancillary Studies



# MESA Questionnaires by Exam

	Exam 1 Jul00-Aug02 (24 months)	Exam 2 Sep02-Feb04 (18 Months)	Exam 3 Mar04-Sep05 (18 Months)	Exam 4 Sep05-May07 (21 Months)	Exam 5 Apr10-Dec11 (21 Months)
	N=6814	N=6232	N=5939	N=5704	N=4651
Questionnaires					
Personal Hx	X	X	X	X	X
Medical Hx	X	X	X	X	X
Medications	X	X	X	X	X
Family Hx		X			
Sleep Hx		X		X	A <sub>2500</sub>
Neighborhood		X			
Psycho-Social	X	X	X	X	X
Occupation	X	X	X		
Phys Activity	X	X	X		X
Food Freq	X				X

# Some other measures in MESA

- Subclinical atherosclerosis
  - CT scans of coronary arteries
  - IMT scans of carotid arteries
  - MRI scans of the heart
- Cardiovascular events
- Blood and urine biomarkers
- Genetics
- Cognitive function



Questions...

