SUPPLEMENTAL MATERIAL

Supplementary Table I. Baseline lipid and lipoprotein characteristics among Black, Caucasian, Chinese, and Hispanic MESA study participants

| Lipid/Lipoprotein Measure | Race/Ethnicity | | | |
|---|---|---|---|---|
| | Caucasian (N=1690) | Chinese (N=556) | Black (N=1328) | Hispanic (N=1061) |
| TC, mg/dL (SD) | 198.7 (34.6) | 195.3 (31.1) | 191.1 (36.3) | 199.3 (37.2) |
| LDL-C, mg/dL (SD) | 120.0 (30.1) | 117.9 (28.4) | 118.2 (33.3) | 121.8 (32.2) |
| HDL-C, mg/dL (SD) | 53.0 (16.2) | 50.1 (13.3) | 52.4 (15.4) | 47.2 (12.8) |
| TG, mg/dL (SD) | 129.6 (94.6) | 139.1 (81.0) | 103.2 (69.0) | 153.1 (91.6) |
| LDL-P, particle number (SD) | 1256 (326) | 1214 (298) | 1224 (359) | 1338 (350) |
| ApoB, mg/dL (SD) | 108.7 (28.7) | 108.5 (24.6) | 104.9 (28.8) | 114.6 (27.1) |
| ApoA-I, mg/dL (SD) | 126.8 (27.8) | 127.9 (48.1) | 126.5 (25.6) | 120.0 (24.5) |

Supplementary Table II. Risk of incident CHD for lipoprotein particle markers and lipids in 4,679 MESA participants stratified by race and adjusted for non-lipid variables. Results for each marker are presented as hazard ratios for individuals in 4th quartiles, using respective 1st quartiles as referents; 95% confidence intervals and *P* values are specified.

| Race | LDL-C | Non-HDL-C | TC/HDL-C | ApoB | ApoB/ApoA | LDL-P | LDL-P/HDL-P |
|---|---|---|---|---|---|---|---|
| Caucasian | 1.68 | **2.04** | **2.68** | **2.15** | **2.68** | **1.88** | **3.43** |
| N=1690 | (0.90, 3.14) | **(1.14, 3.66)** | **(1.46, 4.92)** | **(1.15, 4.03)** | **(1.45, 4.94)** | **(1.03, 3.43)** | **(1.78, 6.60)** |
| | 0.10 | **0.016** | **0.0015** | **0.017** | **0.0017** | **0.39** | **<0.001** |
| Chinese | 3.23 | 3.30 | 2.32 | 2.01 | 1.43 | 1.73 | 1.73 |
| N=556 | (0.85, 12.2) | (0.64, 16.9) | (0.48, 11.1) | (0.41, 9.82) | (0.32, 6.28) | (0.32, 9.22) | (0.38, 7.83) |
| | 0.084 | 0.15 | 0.30 | 0.39 | 0.64 | 0.52 | 0.48 |
| Black | 1.20 | 1.44 | 1.65 | 1.62 | 1.46 | 1.41 | 1.43 |
| N=1328 | (0.87, 4.59) | (0.73, 2.84) | (0.84, 3.23) | (0.84, 3.12) | (0.77, 2.76) | (0.73, 2.71) | (0.76, 2.68) |
| | 0.10 | 0.29 | 0.15 | 0.49 | 0.25 | 0.31 | 0.27 |
| Hispanic | 2.00 | 2.37 | 3.80 | 1.67 | 1.75 | 1.98 | 2.71 |
| N=1061 | (0.87, 4.59) | (0.94, 6.01) | (0.86, 16.7) | (0.69, 4.03) | (0.69, 4.43) | (0.79, 4.95) | (0.92, 7.98) |
| | 0.10 | 0.069 | 0.078 | 0.26 | 0.24 | 0.15 | 0.070 |

Adjusted for sex, hypertension meds, systolic blood pressure, age (category), diabetes, and smoking

CHD = coronary heart disease; TC = total cholesterol; LDL-C = low density lipoprotein cholesterol; HDL-C = high density lipoprotein cholesterol; ApoB = apolipoproteins B-100; ApoA-I = apolipoprotein A-I; LDL-P = LDL particle; HDL-P = HDL particle; MESA = Multi-ethnic Study of Atherosclerosis