**Table S3. Clinical characteristics of the Dallas Heart Study 2 participants stratified by TERC rs12696304 genotype and ethnicity**

|  |  |  |  |
| --- | --- | --- | --- |
|  | African American | European American | Hispanic |
|  | C/C | C/G | G/G | P-value | C/C | C/G | G/G | P-value | C/C | C/G | G/G | P-value |
| N | 311 | 772 | 502 | 0.6466† | 551 | 433 | 75 | 0.4420† | 97 | 238 | 121 | 0.3482† |
| Male, n (%) | 113 (36) | 290 (38) | 177 (35) | 0.6634 | 247 (45) | 209 (48) | 33 (44) | 0.5668 | 35 (36) | 108 (45) | 46 (38) | 0.8846 |
| Age (years) | 49.9±11.2 | 49.7±11.3 | 49.5±11.4 | 0.631 | 52.2±10.5 | 51.8±10.4 | 52.7±11.5 | 0.849 | 47.7±10.8 | 46.4±10.4 | 45.9±10.7 | 0.208 |
| BMI (kg/m2) | 32.8±7.6 | 32.2±8.2 | 32.5±7.7 | 0.561 | 29.6±6.4 | 29.5±6.4 | 28.6±6.7 | 0.303 | 30.6±6.2 | 30.8±6.5 | 32.2±7.1 | 0.0706 |
| Income, n (%)< $20,000$20,000-$39,999≥ $40,000 | 98 (38)69 (27)90 (35) | 231 (36)212 (33)191 (30) | 153 (36)127 (30)145 (34) | 0.67170.6450.9790 | 54 (11)103 (21)332 (68) | 37 (10)75 (20)260 (70) | 7 (10)15 (22)45 (67) | 0.71720.96560.8398 | 19 (25)30 (40)26 (35) | 47 (23)76 (38)78 (39) | 37 (35)41 (38)29 (27) | 0.07160.71830.199 |
| Education (years) | 13.5±2.2 | 13.3±2.2 | 13.2±2.2 | 0.2564 | 14.8±2.4 | 14.7±2.4 | 14.7±2.2 | 0.5633 | 11.1±4.5 | 11.2±4.1 | 11.1±4 | 0.9212 |
| Smoking, n (%)NeverFormerCurrent | 155 (51)63 (21)86 (28) | 401 (53)137 (18)214 (28) | 276 (56)101 (20)119 (24) | 0.2270.82620.1288 | 287 (53)159 (29)96 (18) | 207 (49)131 (31)85 (20) | 38 (53)13 (18)21 (29) | 0.44730.3370.0403 | 57 (60)20 (21)18 (19) | 151 (65)51 (22)30 (13) | 79 (66)19 (16)22 (18) | 0.40480.32640.955 |
| Smoking (pack-years) † | 9.6 (5-21) | 13 (7-22) | 12 (6-25) | 0.6605 | 23 (10-38) | 22 (13-35) | 21 (11-44) | 0.67 | 8 (6-16) | 5 (2-9) | 7 (2-15) | 0.1003 |
| Drinking, n (%)NeverFormerCurrent | 35 (11)87 (29)183 (60) | 67 (9)200 (27)487 (65) | 41 (8)121 (25)325 (67) | 0.17350.2800.0662 | 23 (4)92 (17)425 (79) | 13 (3)53 (12)359 (84) | 6 (8)10 (14)56 (78) | 0.58230.09760.218 | 17 (18)20 (21)59 (61) | 47 (20)37 (16)149 (64) | 21 (18)18 (15)81 (68) | 0.99280.31810.4355 |
| Alcohol intake (g/day) | 0.1 (0-2.8) | 0.1 (0-2.8) | 0.1 (0-2.8) | 0.778 | 0.6 (0.1-5.6) | 1.1 (0.1-8.4) | 0.6 (0-7.7) | 0.0378 | 0.1 (0-5.6) | 0.2 (0-2.8) | 0.2 (0-3.2) | 0.966 |
| Telomere length (kb) | 6.3±0.62 | 6.28±0.59 | 6.27±0.61 | 0.365 | 6.28±0.54 | 6.22±0.58 | 6.27±0.69 | 0.266 | 6.45±0.57 | 6.37±0.59 | 6.28±0.51 | 0.0196 |
| WBC count (× 109/L) | 6.46±2.35 | 6.33±1.99 | 6.37±2.22 | 0.6763 | 6.84±1.97 | 6.99±2.11 | 7.04±1.95 | 0.199 | 7.08±2 | 6.73±1.7 | 6.92±1.88 | 0.5508 |
| RBC count (× 109/L) | 4.53±0.51 | 4.51±0.51 | 4.54±0.54 | 0.526 | 4.6±0.45 | 4.63±0.42 | 4.61±0.45 | 0.6263 | 4.64±0.46 | 4.68±0.48 | 4.65±0.44 | 0.9153 |
| Hemoglobin (g/dL) | 13.2±1.7 | 13.1±1.7 | 13.2±1.6 | 0.329 | 14.2±1.5 | 14.3±1.3 | 14.2±1.4 | 0.318 | 13.9±1.7 | 14.2±1.6 | 13.9±1.6 | 0.510 |
| MCV (fL) | 87.3±6.9 | 87.6±7.5 | 87.7±6.6 | 0.4267 | 90.7±5 | 91.3±5 | 91.3±6.2 | 0.0666 | 88.9±6.8 | 89.4±5.3 | 88.5±6.7 | 0.5909 |
| RDW (%) | 14.4±1.8 | 14.5±1.8 | 14.5±1.6 | 0.691 | 13.6±1.2 | 13.5±1 | 13.7±1.2 | 0.8711 | 14±1.8 | 13.8±1.1 | 13.9±1.6 | 0.570 |
| Platelet count (× 109/L) | 257±70 | 255±71 | 252±72 | 0.147 | 245±61 | 248±63 | 255±64 | 0.135 | 251±63 | 247±73 | 249±65 | 0.6925 |
| Iron (g/dL) | 79±34.7 | 81.5±36.3 | 82.4±35.2 | 0.1642 | 96.2±35.8 | 96.7±36.1 | 99±34.2 | 0.606 | 88.8±39 | 92.8±38.1 | 97.9±47.8 | 0.110 |
| AST (U/L) | 23.3±12.1 | 22.6±16.1 | 22.7±12.9 | 0.378 | 23.7±10.6 | 25.4±21.8 | 23.7±7.7 | 0.5892 | 26.4±18.1 | 25.4±15.3 | 26.8±13.7 | 0.3327 |
| ALT (U/L) | 21.9±15.7 | 20±15.5 | 20.5±13.8 | 0.396 | 24.4±19 | 25.1±18.9 | 23.9±10.5 | 0.401 | 27.3±18.7 | 28±24.1 | 30.5±22.8 | 0.368 |
| ALP (U/L) | 75±23.3 | 75.9±33.8 | 75.6±22.9 | 0.6480 | 69.7±21.7 | 70.1±21.7 | 69.5±20.8 | 0.777 | 81.2±31.4 | 81.1±36.2 | 83.9±27 | 0.1845 |
| Total bilirubin (mg/dL) | 0.53±0.25 | 0.55±0.31 | 0.54±0.25 | 0.298 | 0.6±0.29 | 0.61±0.28 | 0.56±0.25 | 0.427 | 0.62±0.26 | 0.61±0.36 | 0.65±0.29 | 0.466 |
| Quantitative data are reported as mean±SD or median (1st quartile – 3rd quartile). *P*-values were calculated using linear regression for quantitative characteristics, and logistic regression for categorical variables. All models were adjustment for age and gender, †*P*-values for deviation from Hardy-Weinberg equilibrium were determined using chi-square tests. Abbreviations: BMI, body mass index; AST, aspartate aminotransferase; ALT, alanine aminotransferase; ALP, alkaline phosphatase. |