**Supplementary Table 1.** Baseline (1990-1992) participant characteristics by quartile of global cognition z-score

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Characteristic | | Global cognition z-score (N=11675) | | | | |
| Q1 | Q2 | Q3 | Q4 | P |
| (N=2920) | (N=2916) | (N=2919) | (N=2920) |
| **Demographic Variables** | |  |  |  |  |  |
|  | Age, years | 58.8 ± 5.59 | 57.4 ± 5.67 | 56.8 ± 5.64 | 55.3 ± 5.40 | <0.001 |
|  | Male sex | 1291 (44.2) | 1457 (50.0) | 1683 (57.7) | 1947 (66.7) | <0.001 |
|  | Americans | 1571 (53.8) | 2373 (81.4) | 2553 (87.5) | 2726 (93.4) | <0.001 |
|  | Education |  |  |  |  | <0.001 |
|  | Less than high school | 1447 (49.6) | 569 (19.5) | 257 (8.80) | 94 (3.22) |  |
|  | High school | 773 (26.5) | 1061 (36.4) | 1014 (34.7) | 842 (28.8) |  |
|  | College | 700 (24.0) | 1286 (44.1) | 1648 (56.5) | 1984 (67.9) |  |
|  | Income, US$ |  |  |  |  | <0.001 |
|  | <16 000 | 1240 (42.5) | 536 (18.4) | 304 (10.4) | 172 (5.89) |  |
|  | 16 000-35 000 | 1057 (36.2) | 1084 (37.2) | 1024 (35.1) | 762 (26.1) |  |
|  | >35 000 | 623 (21.3) | 1296 (44.4) | 1591 (54.5) | 1986 (68.0) |  |
|  | Smoking |  |  |  |  | <0.001 |
|  | Never | 1046 (35.8) | 1144 (39.2) | 1197 (41.0) | 1243 (42.6) |  |
|  | Former | 1063 (36.4) | 1085 (37.2) | 1120 (38.4) | 1182 (40.5) |  |
|  | Current | 811 (27.8) | 687 (23.6) | 602 (20.6) | 495 (17.0) |  |
|  | Drinking |  |  |  |  | <0.001 |
|  | Never | 824 (28.2) | 694 (23.8) | 552 (18.9) | 464 (15.9) |  |
|  | Former | 908 (31.1) | 592 (20.3) | 473 (16.2) | 375 (12.8) |  |
|  | Current | 1188 (40.7) | 1630 (55.9) | 1894 (64.9) | 2081 (71.3) |  |
| **Physiological and Lab Variables** | | |  |  |  |  |
|  | Body mass index, kg/m2 | 28.9 ± 5.62 | 28.0 ± 5.29 | 27.6 ± 5.07 | 27.0 ± 5.07 | <0.001 |
|  | SBP, mmHg | 123 (112, 137) | 118 (108, 130) | 118 (108, 131) | 115 (106, 127) | <0.001 |
|  | DBP, mmHg | 73.0 (66.0, 80.0) | 71.0 (65.0, 78.0) | 71.0 (65.0, 78.0) | 71.0 (65.0, 78.0) | <0.001 |
|  | Heart rate, /min | 65.0 (58.0, 73.0) | 65.0 (59.0, 72.0) | 64.0 (59.0, 71.0) | 64.0 (59.0, 71.0) | 0.023 |
|  | Total cholesterol, mmol/l | 5.44 ± 1.04 | 5.39 ± 1.02 | 5.42 ± 1.00 | 5.40 ± 0.95 | 0.220 |
|  | HDL, mmol/l | 1.23 ± 0.42 | 1.23 ± 0.41 | 1.29 ± 0.42 | 1.36 ± 0.45 | <0.001 |
|  | LDL, mmol/l | 3.52 ± 0.98 | 3.46 ± 0.97 | 3.46 ± 0.93 | 3.38 ± 0.92 | <0.001 |
|  | Triglycerides, mmol/l | 1.49 ± 0.78 | 1.51 ± 0.75 | 1.47 ± 0.72 | 1.41 ± 0.72 | <0.001 |
|  | Creatinine, mg/dl | 1.20 ± 0.37 | 1.15 ± 0.42 | 1.13 ± 0.20 | 1.11 ± 0.17 | <0.001 |
|  | Blood glucose, mmol/l | 5.88 (5.44, 6.61) | 5.72 (5.33, 6.27) | 5.66 (5.27, 6.16) | 5.61 (5.22, 6.05) | <0.001 |
| **Chronic Medical Conditions** | | |  |  |  |  |
|  | Hypertension | 1160 (39.7) | 824 (28.3) | 754 (25.8) | 585 (20.0) | <0.001 |
|  | Diabetes mellitus | 654 (22.4) | 421 (14.4) | 334 (11.4) | 222 (7.60) | <0.001 |
|  | COPD | 734 (25.1) | 701 (24.0) | 654 (22.4) | 563 (19.3) | <0.001 |

Values are expressed as n (%), mean ± SD, and median (25th, 75th). Global cognition z-score was calculated by computing the mean from the z score versions of the DSST, WFT, and DWRT administered during the visit 2. SBP, systolic blood pressure; DBP, diastolic blood pressure; HDL, high density lipoprotein; LDL, Low density lipoprotein; COPD, chronic obstructive pulmonary disease; DSST, Digit Symbol Substitution Test; WFT, Word Fluency Test; DWRT, Delayed Word Recall Test