\*\*Table 1\*\*. Sample descriptives for time-indenpendent/-deprendent variables

|  | | | **Ever incarcerated?** | |  |
| --- | --- | --- | --- | --- | --- |
| **Group** | **Variable** | **Overall**, N = 6,9491 | **No**, N = 6,2441 | **Yes**, N = 7051 | **p-value**2 |
| Time-independent variables (Cases=6,949) | HRS cohort |  |  |  | **<0.001** |
|  | AHEAD | 511 (7.4%) | 491 (7.9%) | 20 (2.8%) |  |
|  | CODA | 656 (9.4%) | 638 (10%) | 18 (2.6%) |  |
|  | WB | 1,318 (19%) | 1,226 (20%) | 92 (13%) |  |
|  | EBB | 2,289 (33%) | 2,008 (32%) | 281 (40%) |  |
|  | MBB | 2,175 (31%) | 1,881 (30%) | 294 (42%) |  |
|  | Self-reported sex |  |  |  | **<0.001** |
|  | Female | 4,099 (59%) | 3,912 (63%) | 187 (27%) |  |
|  | Male | 2,850 (41%) | 2,332 (37%) | 518 (73%) |  |
|  | Race/Ethnicity |  |  |  | **<0.001** |
|  | White | 4,592 (66%) | 4,243 (68%) | 349 (50%) |  |
|  | Black | 1,229 (18%) | 996 (16%) | 233 (33%) |  |
|  | Hispanic | 903 (13%) | 799 (13%) | 104 (15%) |  |
|  | Other | 225 (3.2%) | 206 (3.3%) | 19 (2.7%) |  |
|  | HS completion |  |  |  | **<0.001** |
|  | High school or more | 5,880 (85%) | 5,361 (86%) | 519 (74%) |  |
|  | Less than high school | 1,069 (15%) | 883 (14%) | 186 (26%) |  |
|  | Ever smoker |  |  |  | **<0.001** |
|  | Yes | 3,723 (54%) | 3,164 (51%) | 559 (79%) |  |
|  | No | 3,226 (46%) | 3,080 (49%) | 146 (21%) |  |
|  | APOE-4 count |  |  |  | 0.088 |
|  | Zero copies | 5,202 (75%) | 4,697 (75%) | 505 (72%) |  |
|  | One copy | 1,603 (23%) | 1,417 (23%) | 186 (26%) |  |
|  | Two copies | 144 (2.1%) | 130 (2.1%) | 14 (2.0%) |  |
|  | Social origins index | 0.91 (1.17) | 0.87 (1.14) | 1.26 (1.33) | **<0.001** |
|  | Polygenic Index for AD (Black) | 0.00 (1.02) | -0.02 (1.02) | 0.08 (1.04) | 0.2 |
|  | Polygenic Index for AD (White) | -0.04 (1.01) | -0.04 (1.01) | -0.03 (0.95) | >0.9 |
| Time-dependent variables (Obs.=55,345) | Age (mean) | 64.63 (9.83) | 64.94 (9.96) | 61.43 (7.62) | **<0.001** |
|  | Cognitive function |  |  |  |  |
|  | Impaired | 8,275 (15%) | 7,199 (14%) | 1,076 (22%) |  |
|  | Normal | 47,070 (85%) | 43,288 (86%) | 3,782 (78%) |  |
|  | History of stroke |  |  |  |  |
|  | Yes | 3,329 (6.0%) | 2,962 (5.9%) | 367 (7.6%) |  |
|  | No | 52,016 (94%) | 47,525 (94%) | 4,491 (92%) |  |
|  | Study year |  |  |  | **<0.001** |
|  | 1998 | 2,278 (4.1%) | 2,167 (4.3%) | 111 (2.3%) |  |
|  | 2000 | 2,287 (4.1%) | 2,178 (4.3%) | 109 (2.2%) |  |
|  | 2002 | 2,345 (4.2%) | 2,230 (4.4%) | 115 (2.4%) |  |
|  | 2004 | 3,971 (7.2%) | 3,678 (7.3%) | 293 (6.0%) |  |
|  | 2006 | 3,982 (7.2%) | 3,696 (7.3%) | 286 (5.9%) |  |
|  | 2008 | 4,020 (7.3%) | 3,726 (7.4%) | 294 (6.1%) |  |
|  | 2010 | 6,812 (12%) | 6,127 (12%) | 685 (14%) |  |
|  | 2012 | 6,886 (12%) | 6,187 (12%) | 699 (14%) |  |
|  | 2014 | 6,702 (12%) | 6,022 (12%) | 680 (14%) |  |
|  | 2016 | 6,024 (11%) | 5,420 (11%) | 604 (12%) |  |
|  | 2018 | 5,183 (9.4%) | 4,667 (9.2%) | 516 (11%) |  |
|  | 2020 | 4,855 (8.8%) | 4,389 (8.7%) | 466 (9.6%) |  |
| 1n (%); Mean (SD) | | | | | |
| 2Pearson's Chi-squared test; Wilcoxon rank sum test | | | | | |