**Table 2: Unadjusted and adjusted hazard ratios for factors associated with MACE 4**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **HR (95% CI)** | **aHR (95% CI)** | **aHR (95% CI)** | **aHR (95% CI)** | **aHR (95% CI)** |
| Mental disorders |  |  |  |  |  |
| PTSD | 1.00 (0.90-1.10) | 1.42 (1.29-1.57) | 1.13 (1.03-1.25) | 1.33 (1.21-1.47) | 1.13 (1.02-1.24) |
| Substance use disorder | 1.29 (1.17-1.43) |  | 1.48 (1.33-1.64) |  | 1.38 (1.25-1.54) |
| Psychotic disorder | 1.82 (1.61-2.06) |  | 1.33 (1.17-1.50) |  | 1.30 (1.15-1.47) |
| Major depressive disorder | 1.66 (1.62-1.70) |  | 1.48 (1.44-1.52) |  | 1.34 (1.30-1.37) |
| Anxiety disorder | 1.17 (1.13-1.20) |  | 1.19 (1.15-1.23) |  | 1.16 (1.12-1.19) |
| Sleep disorders | 2.17 (2.10-2.24) |  | 1.32 (1.28-1.36) |  | 1.21 (1.17-1.25) |
| Cardiovascular risk factors |  |  |  |  |  |
| Diabetes mellitus | 4.08 (4.00-4.16) |  |  | 1.56 (1.53-1.59) | 1.56 (1.53-1.59) |
| Dyslipidemia | 4.77 (4.68-4.85) |  |  | 1.34 (1.32-1.37) | 1.33 (1.30-1.35) |
| Hypertension | 6.42 (6.31-6.54) |  |  | 2.31 (2.26-2.36) | 2.26 (2.21-2.31) |
| HIV | 0.72 (0.70-0.75) |  |  | 1.29 (1.24-1.34) | 1.28 (1.23-1.33) |
| Age, years |  |  |  |  |  |
| 18-24 | 0.09 (0.08-0.09) | 0.09 (0.08-0.09) | 0.09 (0.08-0.09) | 0.13 (0.12-0.14) | 0.13 (0.12-0.14) |
| 25-34 | 0.19 (0.18-0.20) | 0.20 (0.19-0.21) | 0.20 (0.19-0.21) | 0.28 (0.27-0.29) | 0.28 (0.27-0.29) |
| 35-44 | 0.44 (0.43-0.45) | 0.45 (0.43-0.46) | 0.45 (0.43-0.46) | 0.56 (0.54-0.58) | 0.56 (0.54-0.57) |
| 45-54 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 55-64 | 1.88 (1.84-1.93) | 1.84 (1.80-1.89) | 1.85 (1.81-1.90) | 1.53 (1.49-1.57) | 1.54 (1.51-1.58) |
| 65-74 | 3.36 (3.27-3.45) | 3.16 (3.08-3.25) | 3.22 (3.13-3.31) | 2.32 (2.25-2.39) | 2.37 (2.31-2.44) |
| 75+ | 6.55 (6.37-6.73) | 6.21 (6.04-6.39) | 6.33 (6.15-6.51) | 4.38 (4.26-4.51) | 4.51 (4.38-4.64) |
| Sex |  |  |  |  |  |
| Male | 1.06 (1.05-1.08) | 1.17 (1.16-1.19) | 1.22 (1.20-1.24) | 1.17 (1.15-1.19) | 1.20 (1.18-1.22) |
| Female | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Population group |  |  |  |  |  |
| Black African | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Mixed Ancestry | 1.25 (1.20-1.30) | 1.33 (1.28-1.39) | 1.30 (1.25-1.35) | 1.24 (1.19-1.30) | 1.22 (1.18-1.28) |
| White | 2.51 (2.46-2.57) | 1.29 (1.26-1.32) | 1.22 (1.19-1.25) | 1.26 (1.23-1.29) | 1.21 (1.18-1.24) |
| Indian/Asian | 2.37 (2.29-2.46) | 1.66 (1.60-1.72) | 1.67 (1.62-1.74) | 1.59 (1.53-1.65) | 1.60 (1.54-1.66) |
| Unknown | 2.57 (2.51-2.63) | 1.17 (1.14-1.20) | 1.14 (1.11-1.17) | 1.08 (1.06-1.11) | 1.06 (1.04-1.09) |
| Year |  |  |  |  |  |
| 2011-2013 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 2014-2016 | 0.84 (0.82-0.86) | 0.99 (0.96-1.02) | 0.99 (0.96-1.01) | 0.99 (0.97-1.02) | 0.99 (0.96-1.02) |
| 2017-2020 | 0.96 (0.94-0.98) | 1.03 (1.01-1.05) | 1.02 (1.00-1.05) | 1.06 (1.04-1.09) | 1.05 (1.03-1.08) |