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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **HR (95% CI)** | **aHR (95% CI)** | **aHR (95% CI)** | **aHR (95% CI)** | **aHR (95% CI)** |
| Mental disorders |  |  |  |  |  |
| PTSD | 1.01 (0.88-1.16) | 1.51 (1.31-1.74) | 1.14 (0.99-1.31) | 1.42 (1.24-1.64) | 1.14 (0.99-1.31) |
| Substance use disorder | 1.60 (1.40-1.84) |  | 1.66 (1.44-1.90) |  | 1.56 (1.36-1.79) |
| Psychotic disorder | 2.61 (2.25-3.04) |  | 1.79 (1.54-2.08) |  | 1.75 (1.51-2.04) |
| Major depressive disorder | 1.86 (1.80-1.93) |  | 1.59 (1.53-1.66) |  | 1.46 (1.40-1.52) |
| Anxiety disorder | 1.25 (1.19-1.31) |  | 1.23 (1.17-1.29) |  | 1.20 (1.15-1.26) |
| Sleep disorders | 2.32 (2.22-2.42) |  | 1.34 (1.28-1.40) |  | 1.24 (1.18-1.29) |
| Cardiovascular risk factors |  |  |  |  |  |
| Diabetes mellitus | 3.76 (3.65-3.87) |  |  | 1.55 (1.50-1.60) | 1.54 (1.49-1.59) |
| Dyslipidemia | 4.47 (4.35-4.59) |  |  | 1.28 (1.24-1.32) | 1.25 (1.22-1.29) |
| Hypertension | 5.68 (5.52-5.85) |  |  | 2.08 (2.02-2.16) | 2.02 (1.95-2.09) |
| HIV | 0.70 (0.66-0.74) |  |  | 1.41 (1.33-1.50) | 1.39 (1.31-1.48) |
| Age, years |  |  |  |  |  |
| 18-24 | 0.14 (0.13-0.16) | 0.14 (0.12-0.15) | 0.14 (0.12-0.16) | 0.20 (0.18-0.22) | 0.20 (0.18-0.22) |
| 25-34 | 0.24 (0.23-0.26) | 0.25 (0.24-0.27) | 0.26 (0.24-0.27) | 0.35 (0.33-0.38) | 0.35 (0.33-0.38) |
| 35-44 | 0.49 (0.46-0.51) | 0.50 (0.48-0.53) | 0.50 (0.48-0.53) | 0.62 (0.59-0.65) | 0.61 (0.58-0.64) |
| 45-54 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 55-64 | 1.82 (1.74-1.89) | 1.74 (1.67-1.82) | 1.76 (1.69-1.83) | 1.47 (1.41-1.53) | 1.49 (1.43-1.55) |
| 65-74 | 3.45 (3.31-3.60) | 3.09 (2.96-3.23) | 3.16 (3.02-3.30) | 2.32 (2.22-2.43) | 2.40 (2.30-2.51) |
| 75+ | 7.16 (6.87-7.46) | 6.39 (6.12-6.68) | 6.54 (6.26-6.83) | 4.63 (4.42-4.84) | 4.81 (4.60-5.03) |
| Sex |  |  |  |  |  |
| Male | 1.14 (1.11-1.17) | 1.28 (1.24-1.31) | 1.34 (1.30-1.37) | 1.26 (1.23-1.30) | 1.31 (1.28-1.35) |
| 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 | 1.53 (1.44-1.63) | 1.60 (1.51-1.71) | 1.55 (1.46-1.65) | 1.53 (1.44-1.63) | 1.50 (1.41-1.60) |
| White | 2.93 (2.83-3.03) | 1.52 (1.46-1.57) | 1.41 (1.36-1.46) | 1.52 (1.46-1.58) | 1.44 (1.38-1.49) |
| Indian/Asian | 2.57 (2.43-2.72) | 1.81 (1.71-1.92) | 1.83 (1.73-1.94) | 1.74 (1.65-1.85) | 1.76 (1.66-1.87) |
| Unknown | 3.06 (2.95-3.17) | 1.36 (1.31-1.42) | 1.31 (1.26-1.37) | 1.29 (1.24-1.35) | 1.26 (1.21-1.31) |
| Year |  |  |  |  |  |
| 2011-2013 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 2014-2016 | 0.99 (0.96-1.03) | 1.12 (1.07-1.16) | 1.11 (1.07-1.16) | 1.12 (1.07-1.16) | 1.11 (1.07-1.16) |
| 2017-2020 | 1.16 (1.12-1.20) | 1.21 (1.16-1.25) | 1.19 (1.15-1.24) | 1.23 (1.19-1.28) | 1.22 (1.17-1.27) |