**Table 2: Unadjusted and adjusted hazard ratios for factors associated with MACE 3**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **HR (95% CI)** | **aHR (95% CI)** | **aHR (95% CI)** | **aHR (95% CI)** | **aHR (95% CI)** |
| Mental disorders |  |  |  |  |  |
| PTSD | 0.98 (0.87-1.10) | 1.47 (1.31-1.65) | 1.13 (1.00-1.27) | 1.38 (1.23-1.55) | 1.13 (1.00-1.27) |
| Substance use disorder | 1.46 (1.30-1.64) |  | 1.50 (1.33-1.69) |  | 1.41 (1.26-1.59) |
| Psychotic disorder | 2.13 (1.86-2.45) |  | 1.50 (1.30-1.72) |  | 1.48 (1.29-1.70) |
| Major depressive disorder | 1.78 (1.73-1.84) |  | 1.54 (1.49-1.59) |  | 1.39 (1.35-1.44) |
| Anxiety disorder | 1.23 (1.19-1.28) |  | 1.24 (1.19-1.29) |  | 1.21 (1.16-1.26) |
| Sleep disorders | 2.26 (2.18-2.34) |  | 1.33 (1.28-1.38) |  | 1.21 (1.16-1.25) |
| Cardiovascular risk factors |  |  |  |  |  |
| Diabetes mellitus | 4.01 (3.92-4.11) |  |  | 1.53 (1.49-1.57) | 1.53 (1.49-1.57) |
| Dyslipidemia | 5.42 (5.31-5.55) |  |  | 1.57 (1.53-1.61) | 1.54 (1.51-1.58) |
| Hypertension | 5.87 (5.74-6.01) |  |  | 2.11 (2.05-2.17) | 2.05 (2.00-2.11) |
| HIV | 0.60 (0.57-0.63) |  |  | 1.23 (1.17-1.30) | 1.22 (1.16-1.28) |
| Age, years |  |  |  |  |  |
| 18-24 | 0.11 (0.10-0.12) | 0.10 (0.09-0.11) | 0.11 (0.10-0.12) | 0.16 (0.14-0.17) | 0.16 (0.14-0.17) |
| 25-34 | 0.21 (0.20-0.22) | 0.22 (0.21-0.23) | 0.22 (0.21-0.24) | 0.32 (0.30-0.34) | 0.32 (0.30-0.34) |
| 35-44 | 0.46 (0.44-0.48) | 0.48 (0.46-0.50) | 0.48 (0.46-0.50) | 0.60 (0.58-0.63) | 0.60 (0.58-0.62) |
| 45-54 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 55-64 | 1.83 (1.78-1.89) | 1.73 (1.67-1.78) | 1.74 (1.69-1.80) | 1.41 (1.37-1.46) | 1.43 (1.39-1.48) |
| 65-74 | 3.29 (3.18-3.40) | 2.80 (2.71-2.90) | 2.86 (2.76-2.96) | 2.01 (1.94-2.08) | 2.07 (1.99-2.14) |
| 75+ | 5.59 (5.40-5.78) | 4.78 (4.61-4.96) | 4.88 (4.71-5.06) | 3.29 (3.17-3.41) | 3.40 (3.28-3.53) |
| Sex |  |  |  |  |  |
| Male | 1.24 (1.21-1.26) | 1.37 (1.34-1.40) | 1.44 (1.41-1.47) | 1.34 (1.32-1.37) | 1.39 (1.36-1.42) |
| 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 | 1.83 (1.74-1.92) | 1.95 (1.86-2.05) | 1.89 (1.80-1.99) | 1.77 (1.69-1.86) | 1.74 (1.66-1.83) |
| White | 3.31 (3.22-3.40) | 1.85 (1.79-1.90) | 1.73 (1.68-1.79) | 1.75 (1.69-1.80) | 1.66 (1.61-1.72) |
| Indian/Asian | 3.68 (3.53-3.84) | 2.72 (2.60-2.83) | 2.74 (2.63-2.86) | 2.47 (2.37-2.58) | 2.50 (2.39-2.61) |
| Unknown | 3.29 (3.20-3.39) | 1.61 (1.56-1.67) | 1.56 (1.51-1.62) | 1.45 (1.40-1.50) | 1.42 (1.37-1.47) |
| Year |  |  |  |  |  |
| 2011-2013 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 2014-2016 | 0.97 (0.94-1.00) | 1.11 (1.07-1.14) | 1.10 (1.07-1.14) | 1.10 (1.06-1.14) | 1.10 (1.06-1.13) |
| 2017-2020 | 1.11 (1.08-1.14) | 1.17 (1.13-1.20) | 1.16 (1.12-1.19) | 1.19 (1.15-1.22) | 1.17 (1.14-1.21) |