**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 | 1.00 (0.92-1.10) | 1.49 (1.36-1.63) | 1.16 (1.06-1.27) | 1.40 (1.28-1.53) | 1.16 (1.06-1.27) |
| Other anxiety disorders | 1.18 (1.15-1.22) |  | 1.19 (1.15-1.22) |  | 1.16 (1.12-1.19) |
| Organic mental disorder | 5.80 (5.46-6.17) |  | 2.22 (2.08-2.37) |  | 2.19 (2.05-2.33) |
| Substance use disorder | 1.46 (1.33-1.61) |  | 1.44 (1.31-1.59) |  | 1.37 (1.24-1.51) |
| Psychotic disorder | 1.97 (1.75-2.21) |  | 1.20 (1.06-1.34) |  | 1.20 (1.06-1.35) |
| Mood disorder | 1.70 (1.65-1.74) |  | 1.45 (1.41-1.49) |  | 1.32 (1.29-1.36) |
| Sleep disorders | 2.13 (2.07-2.20) |  | 1.30 (1.26-1.34) |  | 1.19 (1.15-1.23) |
| Other mental disorder | 1.01 (0.94-1.09) |  | 1.14 (1.06-1.22) |  | 1.11 (1.03-1.19) |
| Cardiovascular risk factors |  |  |  |  |  |
| Diabetes mellitus | 3.81 (3.73-3.89) |  |  | 1.54 (1.50-1.57) | 1.53 (1.50-1.57) |
| Dyslipidemia | 5.10 (5.00-5.21) |  |  | 1.54 (1.51-1.58) | 1.52 (1.48-1.55) |
| Hypertension | 5.89 (5.76-6.02) |  |  | 2.13 (2.08-2.19) | 2.08 (2.03-2.13) |
| HIV | 0.61 (0.59-0.64) |  |  | 1.23 (1.18-1.29) | 1.21 (1.16-1.27) |
| Age, years |  |  |  |  |  |
| 18-24 | 0.10 (0.09-0.11) | 0.10 (0.09-0.11) | 0.10 (0.09-0.11) | 0.15 (0.14-0.16) | 0.15 (0.14-0.16) |
| 25-34 | 0.22 (0.21-0.23) | 0.23 (0.22-0.24) | 0.23 (0.22-0.24) | 0.33 (0.32-0.35) | 0.33 (0.32-0.35) |
| 35-44 | 0.47 (0.45-0.49) | 0.49 (0.47-0.50) | 0.49 (0.47-0.51) | 0.62 (0.60-0.64) | 0.62 (0.59-0.64) |
| 45-54 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 55-64 | 1.84 (1.79-1.89) | 1.75 (1.70-1.80) | 1.76 (1.71-1.81) | 1.42 (1.38-1.46) | 1.44 (1.40-1.48) |
| 65-74 | 3.32 (3.22-3.42) | 2.86 (2.78-2.95) | 2.91 (2.82-3.00) | 2.05 (1.98-2.11) | 2.10 (2.03-2.16) |
| 75+ | 5.67 (5.50-5.85) | 4.91 (4.75-5.07) | 4.87 (4.71-5.03) | 3.37 (3.27-3.49) | 3.39 (3.28-3.51) |
| Sex |  |  |  |  |  |
| Male | 1.23 (1.21-1.25) | 1.37 (1.35-1.40) | 1.44 (1.41-1.46) | 1.35 (1.32-1.37) | 1.39 (1.37-1.42) |
| 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 (1.75-1.91) | 1.94 (1.85-2.02) | 1.88 (1.80-1.96) | 1.78 (1.70-1.86) | 1.74 (1.67-1.82) |
| White | 3.19 (3.12-3.27) | 1.79 (1.74-1.84) | 1.67 (1.63-1.72) | 1.72 (1.67-1.76) | 1.63 (1.59-1.68) |
| Indian/Asian | 3.57 (3.45-3.71) | 2.66 (2.56-2.76) | 2.69 (2.60-2.80) | 2.42 (2.33-2.51) | 2.45 (2.36-2.54) |
| Unknown | 3.05 (2.97-3.13) | 1.58 (1.53-1.63) | 1.52 (1.48-1.57) | 1.44 (1.39-1.48) | 1.40 (1.36-1.44) |
| Year |  |  |  |  |  |
| 2011-2013 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 2014-2016 | 0.98 (0.95-1.01) | 1.11 (1.07-1.14) | 1.10 (1.07-1.14) | 1.10 (1.07-1.14) | 1.10 (1.06-1.13) |
| 2017-2019 | 1.14 (1.11-1.17) | 1.17 (1.13-1.21) | 1.16 (1.12-1.19) | 1.19 (1.15-1.22) | 1.17 (1.14-1.21) |
| 2020 | 0.46 (0.43-0.50) | 0.51 (0.47-0.55) | 0.50 (0.46-0.54) | 0.52 (0.48-0.56) | 0.51 (0.47-0.55) |
| Lifestyle factors |  |  |  |  |  |
| Overweight | 0.38 (0.34-0.43) |  |  |  |  |
| Obesity | 1.35 (1.30-1.41) |  |  |  |  |
| Smoking | 2.49 (2.36-2.64) |  |  |  |  |