**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 (0.92-1.07) | 1.41 (1.31-1.52) | 1.13 (1.05-1.22) | 1.32 (1.22-1.42) | 1.12 (1.04-1.21) |
| Other anxiety disorders | 1.13 (1.11-1.16) |  | 1.16 (1.13-1.19) |  | 1.12 (1.09-1.15) |
| Organic mental disorder | 4.89 (4.61-5.17) |  | 1.85 (1.75-1.97) |  | 1.85 (1.74-1.96) |
| Substance use disorder | 1.32 (1.22-1.44) |  | 1.46 (1.34-1.59) |  | 1.37 (1.26-1.49) |
| Psychotic disorder | 1.70 (1.54-1.89) |  | 1.12 (1.01-1.24) |  | 1.10 (0.99-1.22) |
| Mood disorder | 1.57 (1.54-1.61) |  | 1.40 (1.37-1.43) |  | 1.28 (1.25-1.31) |
| Sleep disorders | 2.03 (1.98-2.08) |  | 1.28 (1.25-1.32) |  | 1.18 (1.15-1.22) |
| Other mental disorder | 0.90 (0.84-0.96) |  | 1.12 (1.05-1.19) |  | 1.09 (1.02-1.16) |
| Cardiovascular risk factors |  |  |  |  |  |
| Diabetes mellitus | 3.85 (3.79-3.92) |  |  | 1.55 (1.53-1.58) | 1.55 (1.52-1.58) |
| Dyslipidemia | 4.47 (4.40-4.55) |  |  | 1.33 (1.30-1.35) | 1.31 (1.29-1.33) |
| Hypertension | 6.43 (6.32-6.54) |  |  | 2.34 (2.29-2.39) | 2.29 (2.25-2.34) |
| HIV | 0.74 (0.72-0.77) |  |  | 1.28 (1.24-1.33) | 1.27 (1.23-1.31) |
| Age, years |  |  |  |  |  |
| 18-24 | 0.08 (0.07-0.09) | 0.08 (0.07-0.09) | 0.08 (0.08-0.09) | 0.12 (0.11-0.13) | 0.12 (0.11-0.13) |
| 25-34 | 0.20 (0.19-0.20) | 0.20 (0.19-0.21) | 0.20 (0.20-0.21) | 0.29 (0.28-0.30) | 0.29 (0.28-0.30) |
| 35-44 | 0.45 (0.44-0.46) | 0.46 (0.44-0.47) | 0.46 (0.44-0.47) | 0.57 (0.56-0.59) | 0.57 (0.55-0.59) |
| 45-54 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 55-64 | 1.86 (1.82-1.90) | 1.83 (1.78-1.87) | 1.84 (1.80-1.88) | 1.51 (1.47-1.54) | 1.52 (1.49-1.56) |
| 65-74 | 3.34 (3.26-3.42) | 3.17 (3.09-3.25) | 3.22 (3.14-3.30) | 2.31 (2.25-2.37) | 2.36 (2.30-2.42) |
| 75+ | 6.52 (6.37-6.68) | 6.23 (6.08-6.40) | 6.26 (6.10-6.42) | 4.40 (4.28-4.52) | 4.45 (4.33-4.57) |
| Sex |  |  |  |  |  |
| Male | 1.05 (1.04-1.07) | 1.17 (1.15-1.19) | 1.22 (1.20-1.23) | 1.17 (1.15-1.18) | 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 (1.21-1.30) | 1.32 (1.27-1.37) | 1.29 (1.24-1.34) | 1.24 (1.20-1.29) | 1.22 (1.18-1.27) |
| White | 2.44 (2.39-2.49) | 1.26 (1.24-1.29) | 1.19 (1.17-1.22) | 1.25 (1.22-1.28) | 1.20 (1.17-1.22) |
| Indian/Asian | 2.33 (2.25-2.40) | 1.65 (1.60-1.71) | 1.67 (1.62-1.72) | 1.57 (1.52-1.62) | 1.58 (1.53-1.64) |
| Unknown | 2.41 (2.36-2.46) | 1.16 (1.14-1.19) | 1.13 (1.10-1.15) | 1.09 (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 | 0.85 (0.83-0.87) | 0.99 (0.97-1.02) | 0.99 (0.96-1.02) | 0.99 (0.97-1.02) | 0.99 (0.97-1.02) |
| 2017-2019 | 0.98 (0.96-1.00) | 1.02 (1.00-1.05) | 1.02 (0.99-1.04) | 1.05 (1.03-1.08) | 1.04 (1.02-1.07) |
| 2020 | 0.43 (0.41-0.46) | 0.50 (0.47-0.53) | 0.49 (0.46-0.52) | 0.52 (0.49-0.55) | 0.51 (0.48-0.54) |
| Lifestyle factors |  |  |  |  |  |
| Overweight | 0.35 (0.32-0.39) |  |  |  |  |
| Obesity | 1.57 (1.52-1.62) |  |  |  |  |
| Smoking | 2.15 (2.05-2.26) |  |  |  |  |