**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 | 1.02 (0.92-1.14) | 1.53 (1.38-1.70) | 1.18 (1.06-1.32) | 1.44 (1.30-1.61) | 1.18 (1.06-1.31) |
| Substance use disorder | 1.55 (1.39-1.73) |  | 1.62 (1.44-1.81) |  | 1.53 (1.36-1.71) |
| Psychotic disorder | 2.37 (2.09-2.68) |  | 1.69 (1.49-1.92) |  | 1.66 (1.46-1.89) |
| Anxiety disorder | 1.20 (1.15-1.24) |  | 1.20 (1.15-1.24) |  | 1.17 (1.13-1.22) |
| Major depressive disorder | 1.76 (1.71-1.81) |  | 1.54 (1.49-1.59) |  | 1.42 (1.37-1.47) |
| Sleep disorders | 2.16 (2.08-2.24) |  | 1.30 (1.25-1.35) |  | 1.21 (1.16-1.25) |
| Cardiovascular risk factors |  |  |  |  |  |
| Diabetes mellitus | 3.57 (3.48-3.66) |  |  | 1.55 (1.51-1.60) | 1.55 (1.50-1.59) |
| Dyslipidemia | 4.27 (4.16-4.37) |  |  | 1.28 (1.25-1.32) | 1.26 (1.22-1.29) |
| Hypertension | 5.70 (5.55-5.85) |  |  | 2.09 (2.03-2.16) | 2.03 (1.97-2.09) |
| HIV | 0.71 (0.67-0.74) |  |  | 1.39 (1.32-1.47) | 1.37 (1.30-1.45) |
| Age, years |  |  |  |  |  |
| 18-24 | 0.13 (0.12-0.15) | 0.13 (0.12-0.14) | 0.13 (0.12-0.15) | 0.19 (0.17-0.21) | 0.19 (0.17-0.21) |
| 25-34 | 0.25 (0.24-0.27) | 0.26 (0.25-0.28) | 0.26 (0.25-0.28) | 0.37 (0.35-0.39) | 0.37 (0.35-0.39) |
| 35-44 | 0.50 (0.48-0.53) | 0.51 (0.49-0.54) | 0.51 (0.49-0.54) | 0.63 (0.61-0.66) | 0.63 (0.60-0.66) |
| 45-54 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 55-64 | 1.86 (1.79-1.93) | 1.79 (1.73-1.86) | 1.81 (1.74-1.87) | 1.50 (1.44-1.55) | 1.52 (1.46-1.58) |
| 65-74 | 3.53 (3.40-3.66) | 3.18 (3.06-3.31) | 3.25 (3.13-3.38) | 2.38 (2.29-2.48) | 2.46 (2.37-2.56) |
| 75+ | 7.28 (7.02-7.56) | 6.57 (6.32-6.83) | 6.75 (6.49-7.01) | 4.74 (4.56-4.94) | 4.95 (4.76-5.15) |
| Sex |  |  |  |  |  |
| Male | 1.15 (1.12-1.17) | 1.29 (1.26-1.32) | 1.35 (1.32-1.38) | 1.27 (1.24-1.30) | 1.32 (1.29-1.35) |
| 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 | 1.57 (1.48-1.65) | 1.63 (1.54-1.72) | 1.57 (1.49-1.66) | 1.56 (1.48-1.65) | 1.52 (1.44-1.61) |
| White | 2.89 (2.81-2.97) | 1.49 (1.45-1.54) | 1.39 (1.35-1.43) | 1.51 (1.46-1.56) | 1.43 (1.38-1.48) |
| Indian/Asian | 2.51 (2.39-2.63) | 1.78 (1.69-1.87) | 1.80 (1.71-1.89) | 1.69 (1.61-1.78) | 1.71 (1.63-1.80) |
| Unknown | 2.85 (2.76-2.94) | 1.35 (1.30-1.39) | 1.29 (1.25-1.34) | 1.29 (1.24-1.33) | 1.25 (1.21-1.30) |
| Year |  |  |  |  |  |
| 2011-2013 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 2014-2016 | 1.02 (0.98-1.06) | 1.16 (1.11-1.21) | 1.15 (1.11-1.20) | 1.15 (1.11-1.20) | 1.15 (1.10-1.20) |
| 2017-2020 | 1.11 (1.07-1.15) | 1.15 (1.11-1.19) | 1.14 (1.09-1.18) | 1.17 (1.13-1.21) | 1.15 (1.11-1.20) |