**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 (1.37-1.70) | 1.17 (1.05-1.31) | 1.44 (1.29-1.60) | 1.17 (1.05-1.30) |
| Other anxiety disorders | 1.21 (1.17-1.25) |  | 1.19 (1.14-1.23) |  | 1.16 (1.12-1.20) |
| Organic mental disorder | 7.99 (7.50-8.51) |  | 2.82 (2.64-3.01) |  | 2.79 (2.61-2.97) |
| Substance use disorder | 1.55 (1.39-1.73) |  | 1.49 (1.33-1.67) |  | 1.42 (1.26-1.58) |
| Psychotic disorder | 2.37 (2.09-2.68) |  | 1.31 (1.15-1.49) |  | 1.30 (1.14-1.47) |
| Mood disorder | 1.78 (1.72-1.83) |  | 1.49 (1.44-1.53) |  | 1.37 (1.33-1.42) |
| Sleep disorders | 2.16 (2.08-2.24) |  | 1.28 (1.23-1.32) |  | 1.18 (1.14-1.23) |
| Other mental disorder | 1.03 (0.94-1.12) |  | 1.13 (1.04-1.24) |  | 1.11 (1.02-1.21) |
| Cardiovascular risk factors |  |  |  |  |  |
| Diabetes mellitus | 3.57 (3.48-3.66) |  |  | 1.55 (1.51-1.60) | 1.54 (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 (2.02-2.15) | 2.02 (1.96-2.09) |
| HIV | 0.71 (0.67-0.74) |  |  | 1.39 (1.32-1.47) | 1.37 (1.30-1.44) |
| Age, years |  |  |  |  |  |
| 18-24 | 0.13 (0.12-0.15) | 0.13 (0.12-0.15) | 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) | 0.27 (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) | 0.52 (0.49-0.54) | 0.64 (0.61-0.67) | 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) | 1.80 (1.74-1.87) | 1.50 (1.44-1.55) | 1.52 (1.46-1.57) |
| 65-74 | 3.53 (3.40-3.66) | 3.18 (3.06-3.31) | 3.23 (3.10-3.35) | 2.38 (2.29-2.48) | 2.44 (2.35-2.54) |
| 75+ | 7.28 (7.02-7.56) | 6.57 (6.32-6.82) | 6.42 (6.17-6.67) | 4.74 (4.56-4.93) | 4.71 (4.53-4.91) |
| 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) | 1.58 (1.50-1.67) | 1.56 (1.48-1.65) | 1.53 (1.45-1.62) |
| White | 2.89 (2.81-2.97) | 1.49 (1.45-1.54) | 1.38 (1.34-1.43) | 1.51 (1.46-1.56) | 1.43 (1.38-1.47) |
| Indian/Asian | 2.51 (2.39-2.63) | 1.78 (1.70-1.87) | 1.81 (1.72-1.90) | 1.69 (1.61-1.78) | 1.72 (1.63-1.81) |
| Unknown | 2.85 (2.76-2.94) | 1.35 (1.30-1.40) | 1.29 (1.25-1.34) | 1.29 (1.24-1.34) | 1.25 (1.20-1.30) |
| Year |  |  |  |  |  |
| 2011-2013 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 2014-2016 | 1.01 (0.97-1.05) | 1.12 (1.08-1.17) | 1.12 (1.08-1.17) | 1.12 (1.08-1.17) | 1.12 (1.07-1.16) |
| 2017-2019 | 1.19 (1.15-1.24) | 1.21 (1.16-1.25) | 1.19 (1.15-1.24) | 1.23 (1.18-1.28) | 1.21 (1.17-1.26) |
| 2020 | 0.50 (0.46-0.55) | 0.54 (0.49-0.59) | 0.53 (0.48-0.58) | 0.55 (0.50-0.61) | 0.54 (0.49-0.60) |
| Lifestyle factors |  |  |  |  |  |
| Overweight | 0.34 (0.29-0.40) |  |  |  |  |
| Obesity | 1.25 (1.19-1.31) |  |  |  |  |
| Smoking | 2.54 (2.37-2.72) |  |  |  |  |