**Table 2: Unadjusted and adjusted hazard ratios for factors associated with major vascular events**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **HR (95% CI)** | **aHR (95% CI)** | **aHR (95% CI)** | **aHR (95% CI)** | **aHR (95% CI)** | **aHR (95% CI)** |
| Mental disorders |  |  |  |  |  |  |
| PTSD | 1.04 (0.95-1.13) | 1.52 (1.39-1.65) | 1.19 (1.09-1.29) | 1.42 (1.31-1.55) | 1.18 (1.09-1.29) | 1.18 (1.08-1.29) |
| Other anxiety disorders | 1.19 (1.16-1.22) |  | 1.19 (1.15-1.22) |  | 1.16 (1.12-1.19) | 1.15 (1.12-1.19) |
| Organic mental disorder | 5.46 (5.14-5.80) |  | 2.13 (2.00-2.27) |  | 2.09 (1.97-2.23) | 2.10 (1.97-2.24) |
| Substance use disorder | 1.40 (1.27-1.54) |  | 1.38 (1.25-1.51) |  | 1.31 (1.19-1.44) | 1.27 (1.15-1.39) |
| Psychotic disorder | 1.90 (1.70-2.13) |  | 1.18 (1.05-1.32) |  | 1.18 (1.05-1.32) | 1.19 (1.06-1.33) |
| Mood disorder | 1.69 (1.65-1.73) |  | 1.45 (1.42-1.49) |  | 1.33 (1.29-1.36) | 1.31 (1.28-1.35) |
| Sleep disorders | 2.11 (2.05-2.17) |  | 1.29 (1.26-1.33) |  | 1.19 (1.15-1.22) | 1.17 (1.13-1.20) |
| Other mental disorder | 1.01 (0.94-1.08) |  | 1.13 (1.05-1.21) |  | 1.10 (1.03-1.18) | 1.09 (1.01-1.17) |
| Cardiovascular risk factors |  |  |  |  |  |  |
| Diabetes mellitus | 3.66 (3.59-3.74) |  |  | 1.51 (1.48-1.54) | 1.50 (1.47-1.54) | 1.50 (1.46-1.53) |
| Dyslipidemia | 4.97 (4.88-5.07) |  |  | 1.56 (1.53-1.59) | 1.53 (1.50-1.57) | 1.52 (1.49-1.56) |
| Hypertension | 5.58 (5.46-5.69) |  |  | 2.09 (2.04-2.14) | 2.03 (1.99-2.08) | 2.02 (1.97-2.07) |
| HIV | 0.62 (0.59-0.64) |  |  | 1.19 (1.14-1.24) | 1.17 (1.12-1.23) | 1.18 (1.13-1.23) |
| Age, years |  |  |  |  |  |  |
| 18-24 | 0.11 (0.10-0.12) | 0.11 (0.10-0.12) | 0.11 (0.10-0.12) | 0.17 (0.15-0.18) | 0.16 (0.15-0.18) | 0.17 (0.15-0.18) |
| 25-34 | 0.24 (0.23-0.25) | 0.25 (0.24-0.26) | 0.25 (0.24-0.27) | 0.36 (0.34-0.38) | 0.36 (0.34-0.38) | 0.36 (0.34-0.38) |
| 35-44 | 0.49 (0.48-0.51) | 0.51 (0.49-0.52) | 0.51 (0.49-0.53) | 0.64 (0.62-0.66) | 0.64 (0.62-0.66) | 0.63 (0.61-0.66) |
| 45-54 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 55-64 | 1.80 (1.75-1.85) | 1.72 (1.67-1.76) | 1.73 (1.68-1.77) | 1.40 (1.36-1.44) | 1.42 (1.38-1.46) | 1.42 (1.38-1.46) |
| 65-74 | 3.23 (3.14-3.32) | 2.80 (2.71-2.88) | 2.84 (2.76-2.93) | 2.01 (1.95-2.07) | 2.06 (1.99-2.12) | 2.09 (2.03-2.15) |
| 75+ | 5.45 (5.29-5.61) | 4.73 (4.59-4.88) | 4.70 (4.56-4.85) | 3.27 (3.17-3.37) | 3.29 (3.19-3.40) | 3.39 (3.28-3.50) |
| Sex |  |  |  |  |  |  |
| Male | 1.22 (1.19-1.24) | 1.36 (1.33-1.38) | 1.42 (1.39-1.44) | 1.33 (1.31-1.36) | 1.38 (1.35-1.40) | 1.38 (1.35-1.40) |
| Female | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Population group |  |  |  |  |  |  |
| Black African | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Mixed Ancestry | 1.76 (1.69-1.84) | 1.87 (1.79-1.94) | 1.81 (1.74-1.89) | 1.71 (1.64-1.78) | 1.67 (1.61-1.75) | 1.66 (1.59-1.73) |
| White | 3.05 (2.98-3.12) | 1.75 (1.71-1.79) | 1.64 (1.60-1.68) | 1.67 (1.63-1.71) | 1.59 (1.55-1.63) | 1.54 (1.50-1.58) |
| Indian/Asian | 3.43 (3.31-3.55) | 2.59 (2.50-2.69) | 2.62 (2.53-2.72) | 2.35 (2.27-2.44) | 2.38 (2.30-2.47) | 2.38 (2.29-2.47) |
| Unknown | 2.94 (2.86-3.01) | 1.56 (1.51-1.60) | 1.50 (1.46-1.55) | 1.42 (1.38-1.46) | 1.38 (1.34-1.42) | 1.36 (1.32-1.40) |
| Year |  |  |  |  |  |  |
| 2011-2013 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 2014-2016 | 0.97 (0.95-1.00) | 1.10 (1.06-1.13) | 1.09 (1.06-1.13) | 1.09 (1.06-1.13) | 1.09 (1.06-1.12) | 1.09 (1.06-1.13) |
| 2017-2019 | 1.14 (1.11-1.17) | 1.17 (1.13-1.20) | 1.16 (1.12-1.19) | 1.18 (1.15-1.22) | 1.17 (1.14-1.20) | 1.18 (1.15-1.22) |
| 2020 | 0.46 (0.43-0.49) | 0.50 (0.47-0.54) | 0.50 (0.46-0.54) | 0.51 (0.47-0.55) | 0.50 (0.47-0.54) | 0.51 (0.47-0.55) |
| Lifestyle factors |  |  |  |  |  |  |
| Overweight | 0.41 (0.37-0.46) |  |  |  |  | 0.71 (0.63-0.80) |
| Obesity | 1.34 (1.29-1.39) |  |  |  |  | 1.25 (1.21-1.30) |
| Smoking | 2.43 (2.30-2.57) |  |  |  |  | 1.90 (1.80-2.01) |