**Table 4: Unadjusted and adjusted hazard ratios for variables associated with hypertension**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **HR (95% CI)** | **aHR (95% CI)** | **aHR (95% CI)** | **aHR (95% CI)** | **aHR (95% CI)** |
| Mental disorders |  |  |  |  |  |
| PTSD | 1.09 (1.04-1.15) | 1.32 (1.25-1.40) | 1.18 (1.11-1.24) | 1.31 (1.24-1.38) | 1.18 (1.12-1.25) |
| Substance use disorder | 0.91 (0.85-0.97) |  | 1.24 (1.16-1.33) |  | 1.23 (1.15-1.32) |
| Psychotic disorder | 1.23 (1.13-1.34) |  | 1.09 (1.00-1.19) |  | 1.06 (0.97-1.16) |
| Major depressive disorder | 1.22 (1.20-1.24) |  | 1.17 (1.15-1.19) |  | 1.14 (1.12-1.16) |
| Anxiety disorder | 1.10 (1.08-1.12) |  | 1.19 (1.17-1.21) |  | 1.18 (1.16-1.20) |
| Sleep disorders | 1.59 (1.56-1.63) |  | 1.14 (1.12-1.17) |  | 1.11 (1.09-1.14) |
| Cardiovascular risk factors |  |  |  |  |  |
| Diabetes mellitus | 3.50 (3.45-3.54) |  |  | 2.00 (1.97-2.03) | 1.99 (1.97-2.02) |
| Dyslipidemia | 3.04 (3.00-3.08) |  |  | 1.21 (1.19-1.23) | 1.20 (1.18-1.21) |
| HIV | 0.88 (0.86-0.89) |  |  | 0.95 (0.93-0.96) | 0.94 (0.92-0.96) |
| Age, years |  |  |  |  |  |
| 18-24 | 0.06 (0.06-0.06) | 0.06 (0.06-0.06) | 0.06 (0.06-0.06) | 0.06 (0.06-0.07) | 0.06 (0.06-0.07) |
| 25-34 | 0.20 (0.20-0.20) | 0.20 (0.20-0.21) | 0.21 (0.20-0.21) | 0.21 (0.21-0.22) | 0.21 (0.21-0.22) |
| 35-44 | 0.47 (0.47-0.48) | 0.48 (0.47-0.48) | 0.47 (0.47-0.48) | 0.49 (0.48-0.49) | 0.49 (0.48-0.49) |
| 45-54 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 55-64 | 1.62 (1.60-1.63) | 1.62 (1.60-1.63) | 1.62 (1.60-1.64) | 1.57 (1.56-1.59) | 1.58 (1.56-1.60) |
| 65-74 | 2.33 (2.30-2.36) | 2.30 (2.27-2.33) | 2.32 (2.29-2.35) | 2.21 (2.18-2.24) | 2.23 (2.20-2.26) |
| 75+ | 3.03 (2.98-3.08) | 2.96 (2.91-3.01) | 2.98 (2.93-3.03) | 2.83 (2.78-2.88) | 2.85 (2.80-2.90) |
| Sex |  |  |  |  |  |
| Male | 0.93 (0.92-0.94) | 0.92 (0.92-0.93) | 0.93 (0.93-0.94) | 0.91 (0.90-0.92) | 0.92 (0.91-0.93) |
| 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 | 1.17 (1.15-1.19) | 1.25 (1.23-1.27) | 1.24 (1.22-1.26) | 1.22 (1.20-1.24) | 1.22 (1.20-1.23) |
| White | 1.68 (1.67-1.70) | 1.11 (1.10-1.13) | 1.10 (1.09-1.11) | 1.10 (1.09-1.11) | 1.09 (1.08-1.10) |
| Indian/Asian | 1.18 (1.16-1.20) | 0.90 (0.88-0.91) | 0.90 (0.88-0.92) | 0.84 (0.83-0.86) | 0.85 (0.83-0.86) |
| Unknown | 1.71 (1.69-1.73) | 1.09 (1.08-1.10) | 1.08 (1.07-1.09) | 1.05 (1.03-1.06) | 1.04 (1.03-1.05) |
| Year |  |  |  |  |  |
| 2011-2013 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 2014-2016 | 0.71 (0.70-0.71) | 0.91 (0.90-0.92) | 0.92 (0.91-0.93) | 0.92 (0.91-0.93) | 0.92 (0.91-0.93) |
| 2017-2020 | 0.78 (0.77-0.79) | 0.85 (0.84-0.86) | 0.85 (0.84-0.86) | 0.86 (0.85-0.87) | 0.86 (0.85-0.87) |