**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 | 1.10 (1.05-1.15) | 1.31 (1.25-1.37) | 1.16 (1.10-1.21) | 1.29 (1.24-1.36) | 1.16 (1.11-1.22) |
| Other anxiety disorders | 1.12 (1.11-1.14) |  | 1.19 (1.17-1.21) |  | 1.18 (1.16-1.20) |
| Organic mental disorder | 1.83 (1.71-1.95) |  | 1.02 (0.95-1.09) |  | 1.00 (0.94-1.07) |
| Substance use disorder | 0.91 (0.86-0.97) |  | 1.25 (1.17-1.32) |  | 1.24 (1.17-1.32) |
| Psychotic disorder | 1.21 (1.12-1.31) |  | 1.08 (1.00-1.16) |  | 1.06 (0.98-1.14) |
| Mood disorder | 1.22 (1.21-1.24) |  | 1.16 (1.15-1.18) |  | 1.13 (1.12-1.15) |
| Sleep disorders | 1.57 (1.53-1.60) |  | 1.13 (1.11-1.16) |  | 1.10 (1.08-1.13) |
| Other mental disorder | 0.70 (0.67-0.73) |  | 1.16 (1.11-1.21) |  | 1.13 (1.09-1.18) |
| Cardiovascular risk factors |  |  |  |  |  |
| Diabetes mellitus | 3.41 (3.37-3.45) |  |  | 1.99 (1.97-2.02) | 1.98 (1.96-2.01) |
| Dyslipidemia | 2.96 (2.93-3.00) |  |  | 1.23 (1.21-1.25) | 1.22 (1.20-1.23) |
| HIV | 0.90 (0.88-0.91) |  |  | 0.94 (0.93-0.96) | 0.94 (0.92-0.95) |
| Age, years |  |  |  |  |  |
| 18-24 | 0.06 (0.06-0.06) | 0.06 (0.06-0.07) | 0.06 (0.06-0.07) | 0.07 (0.06-0.07) | 0.07 (0.06-0.07) |
| 25-34 | 0.20 (0.20-0.21) | 0.21 (0.21-0.21) | 0.21 (0.21-0.21) | 0.22 (0.21-0.22) | 0.22 (0.21-0.22) |
| 35-44 | 0.48 (0.48-0.49) | 0.49 (0.48-0.49) | 0.49 (0.48-0.49) | 0.50 (0.49-0.51) | 0.50 (0.49-0.50) |
| 45-54 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 55-64 | 1.59 (1.57-1.61) | 1.59 (1.57-1.61) | 1.60 (1.58-1.61) | 1.55 (1.53-1.56) | 1.56 (1.54-1.57) |
| 65-74 | 2.27 (2.24-2.30) | 2.25 (2.22-2.28) | 2.27 (2.24-2.30) | 2.16 (2.13-2.18) | 2.18 (2.15-2.21) |
| 75+ | 2.96 (2.92-3.01) | 2.90 (2.86-2.95) | 2.93 (2.89-2.98) | 2.77 (2.73-2.82) | 2.80 (2.76-2.85) |
| Sex |  |  |  |  |  |
| Male | 0.92 (0.91-0.93) | 0.93 (0.92-0.93) | 0.94 (0.93-0.94) | 0.91 (0.91-0.92) | 0.92 (0.92-0.93) |
| 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 | 1.18 (1.16-1.20) | 1.24 (1.22-1.26) | 1.23 (1.21-1.25) | 1.21 (1.19-1.23) | 1.20 (1.18-1.22) |
| White | 1.65 (1.64-1.67) | 1.11 (1.10-1.12) | 1.09 (1.08-1.10) | 1.09 (1.08-1.10) | 1.08 (1.07-1.09) |
| Indian/Asian | 1.19 (1.17-1.21) | 0.91 (0.89-0.92) | 0.91 (0.89-0.93) | 0.85 (0.83-0.86) | 0.85 (0.83-0.86) |
| Unknown | 1.67 (1.66-1.69) | 1.08 (1.07-1.09) | 1.08 (1.06-1.09) | 1.04 (1.03-1.05) | 1.04 (1.03-1.05) |
| Year |  |  |  |  |  |
| 2011-2013 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 2014-2016 | 0.72 (0.71-0.73) | 0.92 (0.91-0.93) | 0.92 (0.91-0.93) | 0.92 (0.91-0.94) | 0.92 (0.91-0.94) |
| 2017-2019 | 0.81 (0.81-0.82) | 0.86 (0.85-0.87) | 0.86 (0.85-0.86) | 0.87 (0.86-0.88) | 0.87 (0.86-0.88) |
| 2020 | 0.42 (0.41-0.43) | 0.52 (0.50-0.53) | 0.52 (0.50-0.53) | 0.52 (0.51-0.54) | 0.52 (0.51-0.54) |