**Supplementary Table 4. Sex-specific relative risks of bulimia nervosa in China due to age, period, and cohort effects.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Factor** | **Males** | | **Females** | |
| **RR (95% CI)** | ***P* vale** | **RR (95% CI)** | ***P* value** |
| Age |  |  |  |  |
| 5-9 | 0.04 (0.03 - 0.06) | < 0.001 | 0.04 (0.03 - 0.07) | < 0.001 |
| 10-14 | 1.57 (1.42 - 1.75) | < 0.001 | 1.63 (1.42 - 1.86) | < 0.001 |
| 15-19 | 4.57 (4.18 - 4.95) | < 0.001 | 4.18 (3.74 - 4.71) | < 0.001 |
| 20-24 | 3.42 (3.16 - 3.71) | < 0.001 | 3.19 (2.86 - 3.56) | < 0.001 |
| 25-29 | 2.23 (2.05 - 2.39) | < 0.001 | 2.18 (1.95 - 2.41) | < 0.001 |
| 30-34 | 1.21 (1.12 - 1.31) | < 0.001 | 1.25 (1.12 - 1.39) | < 0.001 |
| 35-39 | 0.38 (0.34 - 0.42) | < 0.001 | 0.39 (0.34 - 0.45) | < 0.001 |
| Period |  |  |  |  |
| 1992 | 0.76 (0.71 - 0.80) | < 0.001 | 0.75 (0.68 - 0.81) | < 0.001 |
| 1997 | 0.84 (0.79 - 0.88) | < 0.001 | 0.83 (0.76 - 0.90) | < 0.001 |
| 2002 | 0.92 (0.88 - 0.97) | 0.003 | 0.91 (0.85 - 0.99) | 0.019 |
| 2007 | 1.05 (1.01 - 1.11) | 0.037 | 0.96 (0.98 - 1.12) | 0.209 |
| 2012 | 1.20 (1.13 - 1.26) | < 0.001 | 1.21 (1.13 - 1.31) | < 0.001 |
| 2017 | 1.36 (1.27 - 1.45) | < 0.001 | 1.39 (1.28 - 1.51) | < 0.001 |
| Cohort |  |  |  |  |
| 1953-1957 | 1.40 (1.11 - 1.79) | 0.006 | 1.39 (1.01 - 1.93) | 0.048 |
| 1958-1962 | 1.32 (1.13 - 1.55) | < 0.001 | 1.32 (1.06 - 1.63) | 0.010 |
| 1963-1967 | 1.25 (1.09 - 1.42) | < 0.001 | 1.23 (1.04 - 1.46) | 0.019 |
| 1968-1972 | 1.17 (1.05 - 1.32) | 0.006 | 1.16 (0.99 - 1.36) | 0.058 |
| 1973-1977 | 1.11 (0.99 - 1.23) | 0.079 | 1.09 (0.94 - 1.26) | 0.241 |
| 1978-1982 | 1.04 (0.93 - 1.16) | 0.483 | 1.03 (0.89 - 1.19) | 0.710 |
| 1983-1987 | 0.98 (0.87 - 1.09) | 0.688 | 0.97 (0.84 - 1.13) | 0.669 |
| 1988-1992 | 0.91 (0.81 - 1.02) | 0.119 | 0.91 (0.78 - 1.06) | 0.234 |
| 1993-1997 | 0.85 (0.75 - 1.04) | 0.011 | 0.86 (0.73 - 1.01) | 0.067 |
| 1998-2002 | 0.80 (0.70 - 0.92) | 0.002 | 0.81 (0.68 - 0.97) | 0.021 |
| 2003-2007 | 0.76 (0.63 - 0.90) | 0.001 | 0.76 (0.61 - 0.96) | 0.023 |
| 2008-2012 | 0.70 (0.28 - 1.80) | 0.463 | 0.73 (0.22 - 2.41) | 0.0598 |
| Deviance | 0.30 |  | 0.06 |  |
| AIC | 7.60 |  | 6.97 |  |
| BIC | -74.45 |  | -74.69 |  |

Notes: RR denotes the relative risk of eating disorders incidence in a particular age, period, or birth cohort relative to the average level of all age, period, or birth cohort combined.

RR, relative risk; CI, confidence interval; AIC, Akaike Information Criterions; BIC, Bayesian Information Criterions.