**Supplementary Table 3. Sex-specific relative risks of anorexia nervosa in China due to age, period, and cohort effects.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Factor** | **Males** | | **Females** | |
| **RR (95% CI)** | ***P* vale** | **RR (95% CI)** | ***P* vale** |
| Age |  |  |  |  |
| 5-9 | 0.50 (0.31 - 0.79) | 0.004 | 0.44 (0.32 - 0.58) | < 0.001 |
| 10-14 | 1.93 (1.46 - 2.56) | < 0.001 | 2.12 (1.79 - 2.51) | < 0.001 |
| 15-19 | 2.77 (2.18 - 3.53) | < 0.001 | 3.16 (2.75 - 3.63) | < 0.001 |
| 20-24 | 2.25 (1.77 - 2.89) | < 0.001 | 2.48 (2.14 - 2.89) | < 0.001 |
| 25-29 | 1.67 (1.26 - 2.20) | < 0.001 | 1.72 (1.45 - 2.03) | < 0.001 |
| 30-34 | 1.20 (0.86 - 1.65) | 0.292 | 1.14 (0.93 - 1.40) | 0.196 |
| 35-39 | 0.87 (0.59 - 1.27) | 0.478 | 0.84 (0.66 - 1.05) | 0.126 |
| 40-44 | 0.53 (0.34 - 0.84) | 0.007 | 0.51 (0.38 - 0.67) | < 0.001 |
| 45-49 | 0.18 (0.09 - 0.37) | < 0.001 | 0.17 (0.11 - 0.26) | < 0.001 |
| Period |  |  |  |  |
| 1992 | 0.90 (0.70 - 1.16) | 0.421 | 0.90 (0.77 - 1.04) | 0.161 |
| 1997 | 0.92 (0.73 - 1.19) | 0.531 | 0.93 (0.80 - 1.07) | 0.315 |
| 2002 | 0.96 (0.77 - 1.20) | 0.731 | 0.99 (0.87 - 1.13) | 0.865 |
| 2007 | 1.01 (0.82 - 1.25) | 0.912 | 1.02 (0.90 - 1.15) | 0.754 |
| 2012 | 1.07 (0.86 - 1.34) | 0.504 | 1.06 (0.93 - 1.21) | 0.397 |
| 2017 | 1.14 (0.88 - 1.49) | 0.316 | 1.13 (0.96 - 1.32) | 0.142 |
| Cohort |  |  |  |  |
| 1943-1947 | 0.87 (0.15 - 4.95) | 0.878 | 0.90 (0.31 - 2.59) | 0.839 |
| 1948-1952 | 0.89 (0.33 - 2.39) | 0.819 | 0.90 (0.49 - 1.65) | 0.727 |
| 1953-1957 | 0.90 (0.43 - 1.92) | 0.798 | 0.90 (0.57 - 1.43) | 0.663 |
| 1958-1962 | 0.92 (0.50 - 1.72) | 0.809 | 0.91 (0.63 - 1.34) | 0.640 |
| 1963-1967 | 0.93 (0.55 - 1.57) | 0.799 | 0.90 (0.66 - 1.25) | 0.558 |
| 1968-1972 | 0.94 (0.61 - 1.46) | 0.795 | 0.90 (0.70 - 1.19) | 0.467 |
| 1973-1977 | 0.96 (0.66 - 1.39) | 0.836 | 0.91 (0.73 - 1.15) | 0.453 |
| 1978-1982 | 0.99 (0.72 - 1.36) | 0.973 | 0.95 (0.78 - 1.15) | 0.587 |
| 1983-1987 | 1.03 (0.77 - 1.38) | 0.840 | 0.99 (0.84 - 1.17) | 0.903 |
| 1988-1992 | 1.06 (0.81 - 1.40) | 0.650 | 1.04 (0.89 - 1.22) | 0.619 |
| 1993-1997 | 1.11 (0.84 - 1.48) | 0.473 | 1.11 (0.94 - 1.30) | 0.234 |
| 1998-2002 | 1.15 (0.84 - 1.58) | 0.396 | 1.19 (0.98 - 1.43) | 0.080 |
| 2003-2007 | 1.17 (0.75 - 1.82) | 0.489 | 1.25 (0.96 - 1.62) | 0.091 |
| 2008-2012 | 1.11 (0.39 - 3.16) | 0.847 | 1.25 (0.66 - 2.36) | 0.496 |
| Deviance | 0.06 |  | 0.16 |  |
| AIC | 4.67 |  | 5.66 |  |
| BIC | -111.63 |  | -111.54 |  |

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.