**Supplemental Digital Content 3.** Multivariable logistic regression analysis on public/private pediatric care and knowledge of antibiotics (ABX). Results are presented as odds ratios (standard errors).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sociodemographic variables | I also have a private pediatrician | ABX do not kill only bacteria | ABX break or reduce fever | Otitis always requires SBX | Pharyngitis always requires ABX |
| Age of parents (ref: both <30 y) |  |  |  |  |  |
| ≤30 y & >30 y | 0.86 | 0.74 | 0.53\* | 0.73 | 0.98 |
| (0.17) | (0.14) | (0.16) | (0.15) | (0.17) |
| Both >30 y | 1.04 | 0.65\*\* | 0.67 | 0.72 | 0.95 |
| (0.18) | (0.10) | (0.16) | (0.13) | (0.14) |
| Number of children (ref: 1) |  |  |  |  |  |
| 2 | 0.77\*\* | 0.81\*\* | 0.88 | 1.16 | 1.10 |
| (0.05) | (0.06) | (0.10) | (0.09) | (0.06) |
| >2 | 0.72\*\* | 0.93 | 0.98 | 0.88 | 1.09 |
| (0.08) | (0.11) | (0.17) | (0.12) | (0.10) |
| Marital status (ref: married/cohabitant) |  |  |  |  |  |
| Separated/divorced | 0.95 | 1.45\*\* | 0.98 | 1.06 | 0.92 |
| (0.14) | (0.20) | (0.22) | (0.17) | (0.11) |
| Country of origin (ref: Italy) |  |  |  |  |  |
| Outside Italy | 0.68\* | 1.12 | 1.37 | 1.11 | 0.75\* |
| (0.11) | (0.17) | (0.31) | (0.19) | (0.10) |
| (0.35) | (0.25) | (0.54) | (0.32) | (0.21) |
| Educational attainment (ref: both secondary school) |  |  |  |  |  |
| Secondary & graduate school | 1.11 | 0.48\*\* | 0.66\*\* | 0.80\*\* | 0.94 |
| (0.08) | (0.04) | (0.08) | (0.07) | (0.06) |
| Both graduate school | 0.97 | 0.26\*\* | 0.67\*\* | 0.73\*\* | 0.78\*\* |
| (0.08) | (0.02) | (0.09) | (0.07) | (0.05) |
| Family net income (ref: <25,000 €/y) |  |  |  |  |  |
| 25,000–50,000 €/y | 1.40\*\* | 0.71\*\* | 0.85 | 0.87 | 0.92 |
| (0.10) | (0.05) | (0.09) | (0.07) | (0.05) |
| >50,000 €/y | 2.11\*\* | 0.68\*\* | 0.75 | 0.85 | 0.88 |
| (0.22) | (0.09) | (0.15) | (0.11) | (0.08) |
| Age of youngest/only child (ref: ≤2) |  |  |  |  |  |
| 3–5 | 1.13 | 0.93 | 1.16 | 1.13 | 0.95 |
| (0.09) | (0.08) | (0.16) | (0.10) | (0.06) |
| 6–10 | 0.85 | 0.81\* | 1.15 | 1.03 | 1.06 |
| (0.08) | (0.08) | (0.18) | (0.11) | (0.08) |
| >10 | 0.63\*\* | 0.94 | 1.76\*\* | 0.74\* | 1.11 |
| (0.08) | (0.11) | (0.31) | (0.10) | (0.11) |
| Constant | 0.28\*\* | 0.96 | 0.12\*\* | 0.28\*\* | 0.81 |
| (0.05) | (0.16) | (0.03) | (0.05) | (0.13) |
| *Observations* | *6447* | *6446* | *6447* | *6445* | *6445* |

\*\* *p*<0.01, \* *p*<0.05.