**Supplemental Digital Content 5.** Multivariable logistic regression analysis on knowledge of antibiotic (ABX) resistance. Results are presented as odds ratios (standard errors).

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| --- | --- | --- | --- | --- | --- | --- |
| Sociodemographic characteristics | Too many ABX do not lead to lower effectiveness | I can do nothing to hinder ABX resistance | Pediatrician never told me about ABX resistance | Too many ABX do not select resistant bact. | None of these options reduce ABX resistance | All of these options are possible transmissions |
| Age of parents (ref: both <30 y) |  |  |  |  |  |  |
| ≤30 y & >30 y | 1.01 | 1.02 | 1.22 | 0.87 | 0.74 | 1.20 |
| (0.17) | (0.23) | (0.21) | (0.23) | (0.13) | (0.21) |
| Both >30 y | 1.04 | 1.01 | 1.08 | 0.66 | 0.57\*\* | 1.26 |
| (0.15) | (0.20) | (0.16) | (0.15) | (0.08) | (0.19) |
| Number of children (ref: 1) |  |  |  |  |  |  |
| 2 | 0.98 | 0.97 | 0.83\*\* | 0.99 | 0.90 | 0.96 |
| (0.06) | (0.08) | (0.05) | (0.11) | (0.06) | (0.06) |
| >2 | 1.02 | 1.09 | 0.79\* | 0.99 | 0.85 | 0.87 |
| (0.10) | (0.14) | (0.08) | (0.18) | (0.09) | (0.08) |
| Marital status (ref: married/cohabitant) |  |  |  |  |  |  |
| Separated/divorced | 1.15 | 1.28 | 1.04 | 0.92 | 1.07 | 0.87 |
| (0.14) | (0.20) | (0.14) | (0.22) | (0.14) | (0.11) |
| Country of origin (ref: Italy) |  |  |  |  |  |  |
| Outside Italy | 1.46\*\* | 1.10 | 1.82\*\* | 1.69\* | 1.22 | 0.74\* |
| (0.19) | (0.20) | (0.24) | (0.35) | (0.17) | (0.10) |
| (0.32) | (0.41) | (0.27) | (0.81) | (0.27) | (0.25) |
| Educational attainment (ref: both secondary school) |  |  |  |  |  |  |
| Secondary & graduate school | 0.57\*\* | 0.58\*\* | 1.00 | 0.45\*\* | 0.85\* | 0.68\*\* |
| (0.04) | (0.05) | (0.07) | (0.06) | (0.06) | (0.04) |
| Both graduate school | 0.45\*\* | 0.56\*\* | 0.98 | 0.41\*\* | 0.81\*\* | 0.56\*\* |
| (0.03) | (0.05) | (0.07) | (0.06) | (0.06) | (0.04) |
| Family net income (ref: <25,000 €/y) |  |  |  |  |  |  |
| 25,000–50,000 €/y | 0.79\*\* | 0.75\*\* | 0.89 | 0.88 | 1.04 | 0.77\*\* |
| (0.05) | (0.06) | (0.06) | (0.10) | (0.07) | (0.05) |
| >50,000 €/y | 0.70\*\* | 0.63\*\* | 0.72\*\* | 1.34 | 1.13 | 0.66\*\* |
| (0.07) | (0.09) | (0.07) | (0.24) | (0.11) | (0.06) |
| Age of youngest/only child (ref: ≤2) |  |  |  |  |  |  |
| 3–5 | 1.05 | 1.18 | 0.60\*\* | 0.99 | 0.91 | 1.09 |
| (0.07) | (0.12) | (0.04) | (0.13) | (0.07) | (0.07) |
| 6–10 | 1.12 | 1.23 | 0.46\*\* | 0.86 | 0.93 | 1.33\*\* |
| (0.09) | (0.13) | (0.04) | (0.13) | (0.08) | (0.10) |
| >10 | 1.00 | 1.37\* | 0.39\*\* | 1.23 | 0.98 | 1.24\* |
| (0.10) | (0.18) | (0.04) | (0.22) | (0.11) | (0.12) |
| Constant | 1.00 | 0.22\*\* | 1.16 | 0.15\*\* | 0.74 | 1.15 |
| (0.16) | (0.05) | (0.19) | (0.04) | (0.12) | (0.18) |
| *Observations* | *6445* | *6419* | *6441* | *6430* | *6426* | *6445* |

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