*Table A.* **Complete results of the multivariable logistic regression models examining characteristics associated with resistance or elevated minimum inhibitory concentrations, the Gonococcal Isolate Surveillance Project, 2005–2010**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **Azithromycin\*** | **Cefixime**† | **Ceftriaxone**‡ | **Multidrug Resistance**§ | **Ciprofloxacin**║ | **Penicillin**¶ | **Tetracycline#** |
| **Characteristics** | DF | χ2 | p | χ2 | p | χ2 | p | χ2 | p | χ2 | p | χ2 | p | χ2 | p |
| MSM (vs. MSW) | 1 | 5.8 | 0.016 | 10.1 | 0.002 | 4.8 | 0.028 | 10.6 | 0.001 | 159.0 | <0.001 | 127.6 | <0.001 | 150.2 | <0.001 |
| Region | 2 | 17.1 | 0.002 | 22.1 | <0.001 | 1.7 | 0.419 | 17.1 | <0.001 | 287.3 | <0.001 | 224.8 | <0.001 | 316.1 |  <0.001 |
| Age (> 24) | 1 | 0.4 | 0.513 | 0.9 | 0.355 | 0.8 | 0.371 | <0.1 | 0.875 | 99.5 | <0.001 | 52.2 | <0.001 | 30.6 | <0.001 |
| Race/Ethnicity | 2 | 10.7 | 0.005 | 3.6 | 0.164 | 2.2 | 0.337 | 2.3 | 0.322 | 286.4 | <0.001 | 167.9 |  <0.001 | 142.2 | <0.001 |
| HIV infection | 1 | 0.3 | 0.615 | 0.2 | 0.644 | <0.1 | 0.882 | 1.9 | 0.164 | 4.7 | 0.030 | 15.6 | <0.001 | 9.5 | 0.002 |
| Travel History | 1 | 12.4 | <0.001 | 0.9 | 0.352 | 0.1 | 0.776 | 0.5 | 0.464 | 21.3 | <0.001 | 28.1 | <0.001 | 17.5 | <0.001 |
| Antimicrobial use | 1 | 2.4 | 0.122 | 3.5 | 0.060 | 0.9 | 0.351 | 0.3 | 0.603 | 17.4 | <0.001 | 4.7 | 0.030 | 20.8 | <0.001 |
| Prior Gonorrhea infection | 1 | 0.3 | 0.580 | 0.7 | 0.419 | <0.1 | 0.918 | 0.8 | 0.370 | 3.1 | 0.079 | 0.5 | 0.472 | 0.5 | 0.469 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Interaction** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MSM & region | 2 | 12.6 | 0.002 | 10.1 | 0.007 | 7.7 | 0.035 | 12.6 | 0.002 | 117.6 | <0.001 | 26.2 | <0.001 | 82.9 |  <0.001 |

Variables and interactions for which results are displayed were included in the models.

MSM = men who have sex with men; MSW = men who have sex exclusively with women

\* MIC ≥ 2 µg/ml

† MIC ≥ 0.25 µg/ml

‡ MIC ≥ 0.125 µg/ml

§ Penicillin MICs ≥ 2 µg/ml or β-lactamase positive, tetracycline MICs ≥ 2 µg/ml, ciprofloxacin MICs ≥1 µg/ml, and cefixime MICs ≥ 0.25 µg/ml

║ MIC ≥ 1 µg/ml

¶ MIC ≥ 2 µg/ml or β-lactamase positive

# MIC ≥ 2 µg/ml