|  |  |  | **2019 vs 2020** | | **2019 vs 2021** | | **2019 vs 2022** | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Friedman test p-value | Estimate (98.3% CI) | p-value*1* | Estimate (98.3% CI) | p-value*1* | Estimate (98.3% CI) | p-value*1* |
| Aminoglycosides |  | <0.001 | 0 (-0.2, 0.2) | 1 | **-0.3 (-0.6, -0.1)** | 0.004 | **-0.7 (-1, -0.4)** | <0.001 |
| Carbapenems |  | <0.001 | **0.6 (0.3, 0.8)** | <0.001 | **0.4 (0.2, 0.8)** | <0.001 | 0.2 (-0.1, 0.5) | 0.288 |
|  | Imipenem + Meropenem | <0.001 | **0.5 (0.2, 0.7)** | <0.001 | **0.4 (0.2, 0.7)** | <0.001 | 0.2 (0, 0.5) | 0.139 |
| Cephalosporins |  | <0.001 | **3.7 (2.5, 5.2)** | <0.001 | **3.4 (2, 4.9)** | <0.001 | **2.6 (0.9, 4.4)** | <0.001 |
| Fosfomycin |  | <0.001 | **0.2 (0.1, 0.3)** | <0.001 | **0.3 (0.2, 0.4)** | <0.001 | **0.4 (0.3, 0.5)** | <0.001 |
| Glycopeptides |  | <0.001 | 0.1 (-0.1, 0.4) | 0.864 | **-0.3 (-0.6, 0)** | 0.014 | **-1 (-1.4, -0.6)** | <0.001 |
|  | Vancomycin | <0.001 | 0.1 (-0.1, 0.3) | 0.348 | -0.2 (-0.4, 0) | 0.074 | **-0.8 (-1.1, -0.5)** | <0.001 |
| Lipopeptides |  | <0.001 | **1.6 (1.1, 2.1)** | <0.001 | **2.4 (1.8, 3.2)** | <0.001 | **4.3 (3.3, 5.5)** | <0.001 |
| Macrolides |  | <0.001 | **1.7 (0.9, 2.6)** | <0.001 | -0.5 (-1.3, 0.4) | 0.609 | -0.8 (-1.7, 0) | 0.062 |
|  | Azithromycin | <0.001 | **1.3 (1, 1.7)** | <0.001 | **0.6 (0.4, 0.8)** | <0.001 | **0.5 (0.3, 0.8)** | <0.001 |
| Monobactams |  | <0.001 | **0.1 (0, 0.2)** | <0.001 | **0.2 (0.1, 0.3)** | <0.001 | **0.2 (0.1, 0.3)** | <0.001 |
| Oxazolidinones |  | <0.001 | **0.4 (0.2, 0.6)** | <0.001 | **0.4 (0.2, 0.6)** | <0.001 | **0.7 (0.4, 0.9)** | <0.001 |
| Penicillins |  | <0.001 | -2.5 (-5.2, 0.2) | 0.075 | **-6.4 (-9.3, -3.4)** | <0.001 | -0.8 (-4.2, 2.5) | 1 |
| Polymyxins |  | 0.002 | **0.1 (0.1, 0.2)** | <0.001 | **0.2 (0.1, 0.3)** | <0.001 | 0 (0, 0.1) | 0.816 |
| Quinolones |  | <0.001 | 0.2 (-0.9, 1.4) | 1 | -1.3 (-2.7, 0.1) | 0.068 | **-1.6 (-3, -0.1)** | 0.03 |
| Tetracyclines |  | 0.002 | 0.3 (-0.1, 0.7) | 0.214 | 0.4 (0, 0.8) | 0.057 | **0.5 (0, 0.9)** | 0.04 |
| Trimethoprim*2* |  | 0.001 | **0.4 (0, 0.9)** | 0.031 | 0.4 (-0.1, 0.9) | 0.146 | **0.7 (0.2, 1.2)** | 0.003 |
| Total |  | 0.001 | **7.5 (2.7, 12.5)** | <0.001 | -0.3 (-5.9, 5.3) | 1 | 5.3 (-0.8, 11.4) | 0.107 |
| *1*Adjusted p-value with Bonferroni correction | | | | | | | | |
| *2*Corresponds to trimethoprim and combinations of sulfanomides | | | | | | | | |