|  |  |  | **2019 vs 2020** | | **2019 vs 2021** | | **2019 vs 2022** | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Friedman test p-value | Estimate (95% CI)*1* | p-value*2* | Estimate (95% CI)*1* | p-value*2* | Estimate (95% CI)*1* | p-value*2* |
| Aminoglycosides |  | 0.0013 | -4 (-9.7, 2.1) | 0.2150 | -5.4 (-13.3, 3.1) | 0.2150 | **-11.3 (-17.7, -4.6)** | 0.0030 |
| Carbapenems |  | <0.0001 | **12.2 (5.7, 18.1)** | 0.0010 | **14.4 (6.6, 22.4)** | 0.0020 | **10.1 (1.1, 18.1)** | 0.0250 |
|  | Imipenem + Meropenem | <0.0001 | **12.5 (6.7, 18.4)** | 0.0003 | **15.8 (8.6, 23.3)** | 0.0003 | **12.5 (3.9, 20.8)** | 0.0060 |
| Cephalosporins |  | 0.0112 | **24.5 (11.1, 36)** | 0.0005 | **19.4 (5.1, 33.6)** | 0.0130 | **25.5 (10.6, 41.1)** | 0.0010 |
| Fosfomycin |  | 0.3511 | 0 (-0.5, 0.4) | 0.8780 | 0 (-0.5, 0.3) | 0.8780 | -0.3 (-0.7, 0) | 0.2230 |
| Glycopeptides |  | 0.0022 | 1.1 (-3.1, 4.5) | 0.6190 | -5 (-9.5, -0.1) | 0.0640 | -4.7 (-9.6, -0.3) | 0.0640 |
|  | Vancomycin | 0.0016 | 0.7 (-3.2, 4.4) | 0.7010 | -4.3 (-8.7, 0.1) | 0.0830 | -4.6 (-9.4, -0.3) | 0.0830 |
| Lipopeptides |  | <0.0001 | **8.8 (3.6, 14)** | 0.0020 | **7.1 (1.5, 12.7)** | 0.0110 | **16.9 (11.4, 22.8)** | <0.0001 |
| Macrolides |  | <0.0001 | **17.4 (9.5, 26.4)** | <0.0001 | -4.2 (-12.3, 4.2) | 0.3150 | -5.6 (-13.3, 2.1) | 0.2250 |
|  | Azithromycin | <0.0001 | **12.7 (6.8, 19.2)** | <0.0001 | 0.8 (-0.3, 2.3) | 0.1530 | 1.1 (0, 2.4) | 0.0730 |
| Monobactams |  | 0.0076 | **1 (0.2, 2.1)** | 0.0200 | **1.3 (0.2, 2.7)** | 0.0200 | **1.3 (0.5, 2)** | 0.0030 |
| Oxazolidinones |  | 0.0481 | 2.3 (-1.5, 6.3) | 0.3270 | 0.5 (-3.5, 4.8) | 0.8360 | 4.1 (-0.1, 7.8) | 0.1630 |
| Penicillins |  | <0.0001 | **-51.2 (-72.6, -31.7)** | <0.0001 | **-69.1 (-92.3, -46)** | <0.0001 | -10.1 (-34.1, 14.1) | 0.4300 |
| Polymyxins |  | 0.0089 | **1.3 (0.3, 2.3)** | 0.0210 | **2.3 (1, 4.1)** | 0.0030 | 0.3 (-0.4, 1.3) | 0.3470 |
| Quinolones |  | 0.0025 | **-14.9 (-22.4, -7.2)** | 0.0003 | **-12.7 (-21.8, -3.8)** | 0.0070 | **-14.3 (-24.3, -5.3)** | 0.0030 |
| Tetracyclines |  | 0.6190 | -0.1 (-1.9, 1.5) | 0.9620 | -0.1 (-2.3, 1.9) | 0.9620 | 0.9 (-1, 3.1) | 0.9620 |
| Trimethoprim*3* |  | 0.0654 | -1.7 (-5.4, 2.1) | 0.5280 | 0.1 (-4.5, 4.7) | 0.9590 | **5.9 (1.8, 10.8)** | 0.0170 |
| Total |  | 0.0578 | 4.1 (-31.6, 41.4) | 0.8140 | -41 (-93.4, 14) | 0.3930 | 24.1 (-19.2, 70.1) | 0.3930 |
| *1*Estimates and their 95% CI in bold have a p-value≤0.05 | | | | | | | | |
| *2*P-value adjusted with the Benjamini-Hochberg procedure | | | | | | | | |
| *3*Corresponds to trimethoprim and combinations of sulfanomides | | | | | | | | |