|  |  |  | **2019 vs 2020** | | **2019 vs 2021** | | **2019 vs 2022** | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Friedman test p-value | Estimate (98.3% CI)*1* | p-value*2* | Estimate (98.3% CI)*1* | p-value*2* | Estimate (98.3% CI)*1* | p-value*2* |
| Aminoglycosides |  | 0.0013 | -4 (-12.1, 4.1) | 0.6450 | -5.4 (-16.1, 6.5) | 0.6390 | **-11.3 (-20, -2.3)** | 0.0030 |
| Carbapenems |  | <0.0001 | **12.2 (3.3, 19.9)** | 0.0010 | **14.4 (3.6, 24.8)** | 0.0030 | 10.1 (-2, 21) | 0.0760 |
|  | Imipenem + Meropenem | <0.0001 | **12.5 (4.1, 20.4)** | 0.0006 | **15.8 (5.7, 25.9)** | 0.0006 | **12.5 (0.7, 23.5)** | 0.0170 |
| Cephalosporins |  | 0.0112 | **24.5 (6.7, 40.9)** | 0.0005 | **19.4 (-1.4, 39.5)** | 0.0400 | **25.5 (5.2, 46.1)** | 0.0030 |
| Fosfomycin |  | 0.3511 | 0 (-0.7, 0.6) | 1.0000 | 0 (-0.6, 0.5) | 1.0000 | -0.3 (-0.9, 0.2) | 0.2230 |
| Glycopeptides |  | 0.0022 | 1.1 (-4.4, 5.6) | 1.0000 | -5 (-11.2, 1.4) | 0.1290 | -4.7 (-11.5, 1.2) | 0.1050 |
|  | Vancomycin | 0.0016 | 0.7 (-4.3, 5.5) | 1.0000 | -4.3 (-10.3, 1.5) | 0.1660 | -4.6 (-11.2, 1.4) | 0.1130 |
| Lipopeptides |  | <0.0001 | **8.8 (1.6, 15.7)** | 0.0040 | **7.1 (-0.4, 14.8)** | 0.0330 | **16.9 (9.5, 25.1)** | <0.0001 |
| Macrolides |  | <0.0001 | **17.4 (6.7, 30.3)** | <0.0001 | -4.2 (-15.2, 7.4) | 0.9450 | -5.6 (-15.6, 4.7) | 0.4500 |
|  | Azithromycin | <0.0001 | **12.7 (5.4, 21.3)** | <0.0001 | 0.8 (-0.7, 3) | 0.4590 | 1.1 (-0.4, 3) | 0.1460 |
| Monobactams |  | 0.0076 | **1 (-0.1, 2.4)** | 0.0400 | 1.3 (-0.2, 3.2) | 0.0590 | **1.3 (0.3, 2.3)** | 0.0030 |
| Oxazolidinones |  | 0.0481 | 2.3 (-2.9, 8) | 0.6540 | 0.5 (-5.3, 6.8) | 1.0000 | 4.1 (-1.6, 9.2) | 0.1630 |
| Penicillins |  | <0.0001 | **-51.2 (-81, -24.3)** | <0.0001 | **-69.1 (-101.7, -37.3)** | <0.0001 | -10.1 (-43.4, 23.2) | 1.0000 |
| Polymyxins |  | 0.0089 | **1.3 (-0.1, 2.8)** | 0.0430 | **2.3 (0.5, 5)** | 0.0030 | 0.3 (-0.8, 1.8) | 1.0000 |
| Quinolones |  | 0.0025 | **-14.9 (-25.6, -4.9)** | 0.0003 | **-12.7 (-25.4, -0.2)** | 0.0220 | **-14.3 (-27.8, -2.5)** | 0.0060 |
| Tetracyclines |  | 0.6190 | -0.1 (-2.6, 2.2) | 1.0000 | -0.1 (-3.1, 2.6) | 1.0000 | 0.9 (-1.7, 4) | 0.9870 |
| Trimethoprim*3* |  | 0.0654 | -1.7 (-6.9, 3.6) | 1.0000 | 0.1 (-6.4, 6.2) | 1.0000 | **5.9 (0.3, 12.6)** | 0.0170 |
| Total |  | 0.0578 | 4.1 (-46.7, 53.6) | 1.0000 | -41 (-112.6, 32.4) | 0.4590 | 24.1 (-35.3, 88.4) | 0.7860 |
| *1*Estimates and their 98·3% CI in bold have a p-value≤0·05 | | | | | | | | |
| *2*Adjusted p-value with Bonferroni correction | | | | | | | | |
| *3*Corresponds to trimethoprim and combinations of sulfanomides | | | | | | | | |