|  |  |  | **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 |  | <0.0001 | 0 (-0.2, 0.3) | 1.0000 | **-0.3 (-0.6, -0.1)** | 0.0040 | **-0.7 (-1, -0.4)** | <0.0001 |
| Carbapenems |  | <0.0001 | **0.6 (0.3, 0.9)** | <0.0001 | **0.4 (0.1, 0.8)** | 0.0002 | 0.2 (-0.1, 0.5) | 0.2880 |
|  | Imipenem + Meropenem | <0.0001 | **0.5 (0.2, 0.8)** | <0.0001 | **0.4 (0.2, 0.7)** | <0.0001 | 0.2 (-0.1, 0.5) | 0.1390 |
| Cephalosporins |  | <0.0001 | **3.7 (2.3, 5.3)** | <0.0001 | **3.4 (1.8, 5)** | <0.0001 | **2.6 (0.7, 4.6)** | 0.0005 |
| Fosfomycin |  | <0.0001 | **0.2 (0.1, 0.3)** | <0.0001 | **0.3 (0.2, 0.4)** | <0.0001 | **0.4 (0.3, 0.5)** | <0.0001 |
| Glycopeptides |  | <0.0001 | 0.1 (-0.2, 0.4) | 0.8640 | **-0.3 (-0.6, 0)** | 0.0140 | **-1 (-1.4, -0.5)** | <0.0001 |
|  | Vancomycin | <0.0001 | 0.1 (-0.1, 0.3) | 0.3480 | -0.2 (-0.5, 0) | 0.0740 | **-0.8 (-1.2, -0.5)** | <0.0001 |
| Lipopeptides |  | <0.0001 | **1.6 (1, 2.2)** | <0.0001 | **2.4 (1.7, 3.3)** | <0.0001 | **4.3 (3.2, 5.7)** | <0.0001 |
| Macrolides |  | <0.0001 | **1.7 (0.8, 2.7)** | <0.0001 | -0.5 (-1.4, 0.5) | 0.6090 | -0.8 (-1.8, 0.1) | 0.0620 |
|  | Azithromycin | <0.0001 | **1.3 (1, 1.7)** | <0.0001 | **0.6 (0.4, 0.9)** | <0.0001 | **0.5 (0.3, 0.8)** | <0.0001 |
| Monobactams |  | <0.0001 | **0.1 (0, 0.2)** | 0.0001 | **0.2 (0.1, 0.3)** | <0.0001 | **0.2 (0.1, 0.3)** | <0.0001 |
| Oxazolidinones |  | <0.0001 | **0.4 (0.2, 0.6)** | <0.0001 | **0.4 (0.1, 0.6)** | <0.0001 | **0.7 (0.4, 1)** | <0.0001 |
| Penicillins |  | <0.0001 | -2.5 (-5.5, 0.4) | 0.0740 | **-6.4 (-9.6, -3.1)** | <0.0001 | -0.8 (-4.5, 2.9) | 1.0000 |
| Polymyxins |  | 0.0016 | **0.1 (0.1, 0.2)** | <0.0001 | **0.2 (0, 0.3)** | 0.0003 | 0 (0, 0.1) | 0.8160 |
| Quinolones |  | 0.0006 | 0.2 (-1, 1.5) | 1.0000 | -1.3 (-2.8, 0.2) | 0.0680 | **-1.6 (-3.2, 0)** | 0.0300 |
| Tetracyclines |  | 0.0022 | 0.3 (-0.1, 0.7) | 0.2140 | 0.4 (0, 0.8) | 0.0570 | **0.5 (0, 1)** | 0.0400 |
| Trimethoprim*3* |  | 0.0014 | **0.4 (0, 0.9)** | 0.0310 | 0.4 (-0.1, 1) | 0.1460 | **0.7 (0.1, 1.3)** | 0.0030 |
| Total |  | 0.0015 | **7.5 (2.2, 13)** | 0.0006 | -0.3 (-6.4, 5.9) | 1.0000 | 5.3 (-1.3, 12) | 0.1070 |
| *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 | | | | | | | | |