|  |  |  | **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 |  | <0.0001 | 0 (-0.2, 0.2) | 0.9890 | **-0.3 (-0.5, -0.1)** | 0.0020 | **-0.7 (-0.9, -0.4)** | <0.0001 |
| Carbapenems |  | <0.0001 | **0.6 (0.4, 0.8)** | <0.0001 | **0.4 (0.2, 0.7)** | <0.0001 | 0.2 (0, 0.4) | 0.0960 |
|  | Imipenem + Meropenem | <0.0001 | **0.5 (0.3, 0.7)** | <0.0001 | **0.4 (0.2, 0.6)** | <0.0001 | **0.2 (0, 0.4)** | 0.0460 |
| Cephalosporins |  | <0.0001 | **3.7 (2.7, 4.9)** | <0.0001 | **3.4 (2.2, 4.6)** | <0.0001 | **2.6 (1.2, 4.1)** | 0.0002 |
| 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 (-0.1, 0.3) | 0.2880 | **-0.3 (-0.5, -0.1)** | 0.0070 | **-1 (-1.3, -0.6)** | <0.0001 |
|  | Vancomycin | <0.0001 | 0.1 (0, 0.3) | 0.1160 | **-0.2 (-0.4, 0)** | 0.0370 | **-0.8 (-1.1, -0.5)** | <0.0001 |
| Lipopeptides |  | <0.0001 | **1.6 (1.2, 2)** | <0.0001 | **2.4 (1.9, 3.1)** | <0.0001 | **4.3 (3.5, 5.3)** | <0.0001 |
| Macrolides |  | <0.0001 | **1.7 (1, 2.4)** | <0.0001 | -0.5 (-1.2, 0.3) | 0.2030 | **-0.8 (-1.5, -0.1)** | 0.0310 |
|  | Azithromycin | <0.0001 | **1.3 (1, 1.6)** | <0.0001 | **0.6 (0.4, 0.8)** | <0.0001 | **0.5 (0.4, 0.7)** | <0.0001 |
| Monobactams |  | <0.0001 | **0.1 (0.1, 0.2)** | <0.0001 | **0.2 (0.1, 0.2)** | <0.0001 | **0.2 (0.1, 0.2)** | <0.0001 |
| Oxazolidinones |  | <0.0001 | **0.4 (0.2, 0.5)** | <0.0001 | **0.4 (0.2, 0.6)** | <0.0001 | **0.7 (0.5, 0.9)** | <0.0001 |
| Penicillins |  | <0.0001 | **-2.5 (-4.7, -0.3)** | 0.0370 | **-6.4 (-8.8, -4)** | <0.0001 | -0.8 (-3.5, 1.9) | 0.5510 |
| Polymyxins |  | 0.0016 | **0.1 (0.1, 0.2)** | <0.0001 | **0.2 (0.1, 0.3)** | 0.0002 | 0 (0, 0.1) | 0.2720 |
| Quinolones |  | 0.0006 | 0.2 (-0.7, 1.2) | 0.6440 | **-1.3 (-2.4, -0.2)** | 0.0340 | **-1.6 (-2.8, -0.4)** | 0.0300 |
| Tetracyclines |  | 0.0022 | 0.3 (0, 0.6) | 0.0710 | **0.4 (0.1, 0.7)** | 0.0280 | **0.5 (0.1, 0.9)** | 0.0280 |
| Trimethoprim*3* |  | 0.0014 | **0.4 (0.1, 0.8)** | 0.0150 | **0.4 (0, 0.8)** | 0.0490 | **0.7 (0.3, 1.1)** | 0.0030 |
| Total |  | 0.0015 | **7.5 (3.5, 11.6)** | 0.0006 | -0.3 (-4.9, 4.3) | 0.8930 | 5.3 (0.4, 10.3) | 0.0540 |
| *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 | | | | | | | | |