|  |  |  | **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 | -4 (-11.1, 3.4) | 0.639 | -5.4 (-15.2, 5.1) | 0.636 | **-11.3 (-19.3, -3)** | 0.004 |
| Carbapenems |  | <0.001 | **12.2 (4.1, 19.4)** | 0.001 | **14.4 (4.5, 23.8)** | 0.004 | 10.1 (-0.9, 20.1) | 0.078 |
|  | Imipenem + Meropenem | <0.001 | **12.5 (4.7, 19.8)** | <0.001 | **15.8 (6.7, 25.1)** | <0.001 | **12.5 (1.9, 22.4)** | 0.018 |
| Cephalosporins |  | 0.011 | **24.5 (8.2, 38.9)** | <0.001 | **19.4 (0.5, 37.6)** | 0.042 | **25.5 (6.8, 44.4)** | 0.003 |
| Fosfomycin |  | 0.351 | 0 (-0.6, 0.5) | 1 | 0 (-0.6, 0.4) | 1 | -0.3 (-0.9, 0.1) | 0.223 |
| Glycopeptides |  | 0.002 | 1.1 (-4, 5.3) | 1 | -5 (-10.6, 0.9) | 0.13 | -4.7 (-10.8, 0.7) | 0.106 |
|  | Vancomycin | 0.002 | 0.7 (-3.9, 5.1) | 1 | -4.3 (-9.9, 1.1) | 0.166 | -4.6 (-10.7, 0.8) | 0.115 |
| Lipopeptides |  | <0.001 | **8.8 (2.4, 15.1)** | 0.004 | **7.1 (0.4, 14.1)** | 0.033 | **16.9 (10.2, 24.2)** | <0.001 |
| Macrolides |  | <0.001 | **17.4 (7.7, 28.9)** | <0.001 | -4.2 (-14, 6.5) | 0.942 | -5.6 (-14.8, 3.9) | 0.447 |
|  | Azithromycin | <0.001 | **12.7 (5.8, 20.5)** | <0.001 | 0.8 (-0.5, 2.7) | 0.459 | 1.1 (-0.3, 2.7) | 0.146 |
| Monobactams |  | 0.008 | **1 (0, 2.3)** | 0.04 | 1.3 (0, 3) | 0.059 | **1.3 (0.4, 2.2)** | 0.003 |
| Oxazolidinones |  | 0.048 | 2.3 (-2.3, 7.3) | 0.654 | 0.5 (-4.6, 6.2) | 1 | 4.1 (-1.1, 8.7) | 0.163 |
| Penicillins |  | <0.001 | **-51.2 (-78, -27.1)** | <0.001 | **-69.1 (-98.1, -39.9)** | <0.001 | -10.1 (-40.6, 19.6) | 1 |
| Polymyxins |  | 0.009 | **1.3 (0, 2.7)** | 0.043 | **2.3 (0.7, 4.7)** | 0.003 | 0.3 (-0.6, 1.6) | 1 |
| Quinolones |  | 0.003 | **-14.9 (-24.4, -5.7)** | <0.001 | **-12.7 (-24.4, -1.6)** | 0.024 | **-14.3 (-26.5, -3.5)** | 0.007 |
| Tetracyclines |  | 0.619 | -0.1 (-2.4, 1.9) | 1 | -0.1 (-2.8, 2.4) | 1 | 0.9 (-1.5, 3.6) | 0.987 |
| Trimethoprim*2* |  | 0.065 | -1.7 (-6.4, 3.1) | 1 | 0.1 (-5.7, 5.6) | 1 | **5.9 (0.9, 11.9)** | 0.017 |
| Total |  | 0.058 | 4.1 (-40.9, 49.4) | 1 | -41 (-105.5, 24.3) | 0.456 | 24.1 (-29.7, 80.9) | 0.78 |
| *1*Adjusted p-value with Bonferroni correction | | | | | | | | |
| *2*Corresponds to trimethoprim and combinations of sulfanomides | | | | | | | | |