|  |  | **CR P. aeruginosa** | | **ESBL E. cloacae** | | **MRSA** | | **ESBL K. pneumoniae** | | **ESBL E. coli** | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | IRR (95% CI) | p | IRR (95% CI) | p | IRR (95% CI) | p | IRR (95% CI) | p | IRR (95% CI) | p |
| **Hospital** | | | | | | | | | | | |
| Intercept |  | **0.01 (0.01, 0.01)** | <0.001 | **0.01 (0.01, 0.01)** | <0.001 | **0.03 (0.03, 0.03)** | <0.001 | **0.02 (0.02, 0.03)** | <0.001 | **0.04 (0.03, 0.04)** | <0.001 |
| Incidence w-1 |  | **1.08 (1.01, 1.16)** | 0.024 | **1.21 (1.13, 1.3)** | <0.001 | **0.95 (0.91, 0.99)** | 0.02 | 1.02 (0.97, 1.07) | 0.457 | 0.99 (0.95, 1.04) | 0.8 |
| Pandemic periods w-1 | First wave | - | - | - | - | 1.07 (0.89, 1.26) | 0.47 | - | - | - | - |
| Pandemic periods w-1 | Strong | - | - | - | - | **0.81 (0.66, 0.97)** | 0.028 | - | - | - | - |
| Pandemic periods w-1 | Mild | - | - | - | - | **0.85 (0.75, 0.96)** | 0.009 | - | - | - | - |
| Pandemic periods w-1 | Low to none | - | - | - | - | **0.84 (0.76, 0.94)** | 0.001 | - | - | - | - |
| Penicillins |  | - | - | - | - | 1 (0.95, 1.04) | 0.837 | - | - | - | - |
| 3rd generation Cephalosporins |  | - | - | 1.05 (0.98, 1.13) | 0.148 | - | - | 1.06 (1, 1.13) | 0.056 | 1.02 (0.97, 1.07) | 0.425 |
| Imipenem + Meropenem |  | **1.12 (1.04, 1.21)** | 0.002 | - | - | - | - | - | - | - | - |
| - | First wave | - | - | - | - | - | - | **1.32 (1.04, 1.67)** | 0.02 | 0.96 (0.79, 1.17) | 0.702 |
| - | Strong | - | - | - | - | - | - | 0.86 (0.68, 1.08) | 0.208 | **0.76 (0.63, 0.93)** | 0.007 |
| - | Mild | - | - | - | - | - | - | 0.96 (0.82, 1.13) | 0.638 | **0.86 (0.75, 0.98)** | 0.024 |
| - | Low to none | - | - | - | - | - | - | 1.1 (0.97, 1.25) | 0.125 | **0.8 (0.72, 0.89)** | <0.001 |
| **ICU** | | | | | | | | | | | |
| Intercept |  | **0.17 (0.15, 0.19)** | <0.001 | **0.12 (0.11, 0.14)** | <0.001 | **0.11 (0.1, 0.12)** | <0.001 | **0.15 (0.12, 0.19)** | <0.001 | **0.14 (0.12, 0.16)** | <0.001 |
| Incidence w-1 |  | **1.12 (1.01, 1.23)** | 0.036 | 1.11 (0.99, 1.26) | 0.078 | 0.99 (0.86, 1.13) | 0.863 | 0.96 (0.86, 1.06) | 0.402 | 0.97 (0.86, 1.09) | 0.584 |
| Penicillins |  | - | - | - | - | 1.06 (0.93, 1.21) | 0.346 | - | - | - | - |
| 3rd generation Cephalosporins |  | - | - | 0.99 (0.87, 1.11) | 0.829 | - | - | 1.14 (0.99, 1.31) | 0.062 | **1.15 (1.02, 1.29)** | 0.02 |
| Imipenem + Meropenem |  | **1.15 (1.03, 1.3)** | 0.015 | - | - | - | - | - | - | - | - |
| - | First wave | - | - | - | - | - | - | **1.9 (1.23, 2.91)** | 0.003 | - | - |
| - | Strong | - | - | - | - | - | - | **0.58 (0.33, 0.96)** | 0.043 | - | - |
| - | Mild | - | - | - | - | - | - | 1.33 (0.98, 1.8) | 0.063 | - | - |
| - | Low to none | - | - | - | - | - | - | **1.47 (1.08, 2)** | 0.015 | - | - |
| - |  | - | - | - | - | - | - | - | - | **0.82 (0.73, 0.93)** | 0.002 |