| ESBL E. coli |  | IRR | p-value |
| --- | --- | --- | --- |
| **Hospital** | | | |
| Pandemic periods w |  |  | **<0.001*1*** |
|  | First wave | 1.08 (1.02, 1.15) | **0.009** |
|  | Strong res | 0.91 (0.85, 0.96) | **0.002** |
|  | Mild res | 0.9 (0.87, 0.94) | **<0.001** |
|  | Low to no res | 0.81 (0.79, 0.84) | **<0.001** |
| Pandemic periods w-1 |  |  | **<0.001*1*** |
|  | First wave | 1.07 (1, 1.13) | **0.039** |
|  | Strong res | 0.89 (0.84, 0.95) | **<0.001** |
|  | Mild res | 0.9 (0.87, 0.94) | **<0.001** |
|  | Low to no res | 0.82 (0.79, 0.85) | **<0.001** |
| Pandemic periods w-2 |  |  | **<0.001*1*** |
|  | First wave | 1.07 (1, 1.14) | **0.036** |
|  | Strong res | 0.88 (0.83, 0.94) | **<0.001** |
|  | Mild res | 0.9 (0.87, 0.94) | **<0.001** |
|  | Low to no res | 0.82 (0.79, 0.85) | **<0.001** |
| COVID-19 intubation prevalence | Week w | 1 (0.98, 1.02) | 0.949 |
|  | Week w-1 | 1 (0.98, 1.02) | 0.91 |
|  | Week w-2 | 0.99 (0.97, 1.01) | 0.455 |
| **ICU** | | | |
| Pandemic periods w |  |  | **<0.001*1*** |
|  | First wave | 0.95 (0.78, 1.16) | 0.638 |
|  | Strong res | 0.65 (0.53, 0.8) | **<0.001** |
|  | Mild res | 0.86 (0.75, 0.99) | **0.037** |
|  | Low to no res | 0.69 (0.61, 0.78) | **<0.001** |
| Pandemic periods w-1 |  |  | **<0.001*1*** |
|  | First wave | 1.04 (0.85, 1.26) | 0.72 |
|  | Strong res | 0.65 (0.52, 0.8) | **<0.001** |
|  | Mild res | 0.85 (0.74, 0.98) | **0.021** |
|  | Low to no res | 0.71 (0.62, 0.81) | **<0.001** |
| Pandemic periods w-2 |  |  | **<0.001*1*** |
|  | First wave | 1.09 (0.89, 1.32) | 0.412 |
|  | Strong res | 0.67 (0.55, 0.83) | **<0.001** |
|  | Mild res | 0.8 (0.69, 0.92) | **0.001** |
|  | Low to no res | 0.73 (0.64, 0.83) | **<0.001** |
| COVID-19 intubation prevalence | Week w | 0.93 (0.89, 0.98) | **0.013** |
|  | Week w-1 | 0.93 (0.88, 0.98) | **0.011** |
|  | Week w-2 | 0.92 (0.87, 0.97) | **0.003** |
| *1*Global p-value | | | |