**Supplementary material 2 A and B.** A, Interrupted time series analysis using multiple imputations to predict result of missing *C. difficile* surveillance swabs B, Interrupted time series analysis by week

**A**

|  |  |  |  |
| --- | --- | --- | --- |
| ***Clostridium difficile*** |  |  |  |
|  | IRR | 95% CI | P-value |
| a. Full segmented regression model |  |  |  |
| Baseline trend | 0.98 | 0.92-1.04 | 0.481 |
| Level change after UV cleaning | 0.10 | 0.001-13.3 | 0.355 |
| Trend change after UV cleaning | 1.03 | 0.96-1.12 | 0.393 |

**B**

|  |  |  |  |
| --- | --- | --- | --- |
|  | IRR | 95% CI | P-value |
| **VRE** |  |  |  |
| a. Full segmented regression model |  |  |  |
| Baseline trend | 0.98 | 0. 95-1.02 | 0.304 |
| Level change after UV cleaning | 1.19 | 0.34-4.19 | 0.786 |
| Trend change after UV cleaning | 1.01 | 0.97-1.05 | 0.6974 |
|  |  |  |  |
| ***Clostridium difficile*** |  |  |  |
| a. Full segmented regression model |  |  |  |
| Baseline trend | 0.97 | 0.93-1.00 | 0.089 |
| Level change after UV cleaning | 0.42 | 0.10-1.72 | 0.230 |
| Trend change after UV cleaning | 1.03 | 0.99-1.08 | 0.105 |

IRR: Incidence Rate Ratio; UV: ultra violet; VRE: Vancomycin-resistant enterococci