TABLE S1. Preliminary Study: Number of Sites Positive for each MDRO and Overall Aerobic Bacteria Recovered from Healthcare Surface Sites

|  |  |  |
| --- | --- | --- |
| **Sampling Study Composite Assignment** | **Sites** | **All Rooms Combined** |
| **Average Surface Area (cm2)** | **n** | **Number of sites positive** | **Overall Aerobic Bacteria** **Mean (SD)** **CFU/100 cm2** |
| **MRSA** | **VRE** | ***A. baumannii*** | ***C. difficile*** | **Any MDRO** |
| 1 | **Bed rails** | 4,926.1 | 16 | 5 | 4 | 1 | 1 | 7 | 549 (593) |
| **Telephone** | 425.3 | 9 | 3 | 1 | 0 | 1 | 3 | 2,350 (1,988) |
| **Remote/call button** | 365.2 | 15 | 1 | 2 | 1 | 0 | 3 | 1,353 (1,225) |
| 2 | **Overbed table** | 3,548.4 | 14 | 3 | 5 | 1 | 0 | 7 | 735 (1,229) |
| **IV pump/pole**  | 1,977.5 | 13 | 2 | 2 | 1 | 1 | 4 | 220 (349) |
| **Room door handles** | 279.8 | 9 | 0 | 0 | 0 | 0 | 0 | 7,546 (22,379) |
| 3 | **All bathroom sites**  | 1,394.7 | 16 | 0 | 2 | 1 | 2 | 3 | 1,185 (1,888) |
| **Bathroom door handles**  | 270.6 | 4 | 2 | 0 | 0 | 0 | 2 | 384 (621) |
| NS | **Supply cart** | 2,871.0 | 3 | 0 | 2 | 1 | 1 | 2 | 160 (171) |
| **Ventilator/O2 knob** | 536.1 | 3 | 0 | 1 | 1 | 0 | 2 | 873 (743) |

 NOTE. MDRO, multi-drug resistant organism; n, number of samples per site; NS, not sampled (only sampled during preliminary study).

TABLE S2. Preliminary Study: MDRO Positive Sites by Room Recovered from Healthcare Surface Sites

|  |  |  |  |
| --- | --- | --- | --- |
| **Sampling Study Composite Assignment** | **Sites** | **Individual Room #** | **% Rooms Positive for each Site** |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** |
| 1 | **Bed rails** | - | + | - | + | + | - | + | + | + | - | - | - | - | 46.2 |
| **Telephone** | ND | ND | - | + | - | + | + | ND | ND | - | + | - | - | 44.4 |
| **Remote/call button** | + | - | - | ND | - | - | + | + | - | - | - | - | - | 25.0 |
| 2 | **Overbed table** | + | + | - | + | + | - | + | - | + | - | + | - | - | 53.9 |
| **IV pump/pole**  | + | + | - | + | - | - | - | - | + | - | - | - | - | 30.8 |
| **Room door handles** | - | - | - | - | ND | - | ND | ND | ND | - | - | - | - | 0.0 |
| 3 | **All bathroom sites**  | + | + | - | ND | - | + | - | ND | ND | - | - | - | - | 30.0 |
| **Bathroom door handles**  | ND | ND | ND | ND | - | - | + | ND | ND | ND | + | ND | ND | 50.0 |
| NS | **Supply cart** | + | + | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 100.0 |
| **Ventilator/O2 knob** | + | + | ND | ND | ND | - | ND | ND | ND | ND | ND | ND | ND | 66.7 |
| **% of sites Positive in Room** | 75.0 | 75.0 | 0.0 | 80.0 | 28.6 | 22.2 | 74.4 | 50.0 | 75.0 | 0.0 | 37.5 | 0.0 | 0.0 | - |

NOTE. MDRO, multi-drug resistant organism; ND, not done; NS, not sampled (only sampled during preliminary study).