**Appendix B: Results of Bivariate Analyses**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | n (%) | Percentages of all surfaces cleaned (%) | Percentages of surfaces cleaned in main room (%) | Percentages of surfaces cleaned in bathroom (%) | Cleaning duration(min) |
| Total | High-touch surfaces | Non-high-touch surfaces | Total | High-touch surfaces | Non-high-touch surfaces |
| Median (IQR)\* | p | Median (IQR) | p | Median (IQR) | p | Median (IQR) | p | Median (IQR) | p | Median (IQR) | p | Median (IQR) | p | Median (IQR) | p |
| **All** | 89 (100) | 63(54, 72) |  | 59(50, 73) |  | 68(50, 82) |  | 50(36, 60) |  | 65(52, 78) |  | 75(63, 88) |  | 56(40, 73) |  | 14(12, 19) |  |
| **Type of unit\*\*** |
| G | 71 (80) | 63(52, 71) | *.012* | 58(47, 69) | *.002* | 67(50, 78) | *.001* | 50(39, 60) | *.001* | 70(48, 78) | .310 | 75(63, 88) | .358 | 60(47, 79) | *.047* | 15(11, 20) | .229 |
| P | 10 (11) | 74 (66, 79) |  | 77 (73, 85) |  | 84 (83, 89) |  | 67 (53, 87) |  | 64 (52, 78) |  | 75 (63, 88) |  | 60 (40, 67) |  | 16 (13, 18) |  |
| C | 8 (9) | 56 (50, 60) |  | 56 (50, 61) |  | 72(66, 78) |  | 27(22, 37) |  | 60 (49, 67) |  | 94 (69, 100) |  | 38 (31, 48) |  | 13 (11, 14) |  |
| **Under isolation precautions** |
| No | 54 (61) | 63 (49, 71) | .182 | 59 (50, 69) | .520 | 68 (58, 78) | .946 | 47 (33, 60) | .105 | 65 (48, 74) | .082 | 75 (63, 88) | .467 | 55 (38, 67) | *.046* | 14 (11, 18) | .111 |
| Yes | 35 (39) | 64 (56, 75) |  | 61 (48, 77) |  | 67 (50, 83) |  | 53 (40, 67) |  | 70 (57, 83) |  | 86 (63, 88) |  | 60 (47, 80) |  | 15 (12, 22) |  |
| **Presence of patient/family** |
| Neither | 22 (25) | 70 (63, 75) | *.005* | 74 (58, 79) | *.002* | 83 (68, 85) | *.002* | 54(40, 79) | *.020* | 68 (61, 74) | .171 | 75 (75, 88) | .400 | 60 (50, 69) | .259 | 15 (11, 19) | .921 |
| Patient only | 54 (61) | 62 (54, 71) |  | 59 (49, 66) |  | 67 (50, 78) |  | 52 (40, 60) |  | 70 (48, 78) |  | 82(63, 88) |  | 55 (46, 73) |  | 15 (12, 19) |  |
| Patient & family | 13 (14) | 53 (37, 59) |  | 50(29, 59) |  | 56 (32, 71) |  | 33 (29, 44) |  | 57 (41, 65) |  | 75 (50, 88) |  | 40 (31, 71) |  | 13 (11, 19) |  |
| **Type of wipe used** |
| Disinfectant wipe | 69 (78) | 61 (52, 72) | .155 | 59 (47, 66) | *.026* | 67 (50, 78) | *.010* | 50(33, 60) | .162 | 65 (48, 78) | .802 | 80 (63, 88) | .988 | 53 (38, 79) | .790 | 14 (12, 19) | .790 |
| Microfiber cloth | 20 (22) | 65 (59, 74) |  | 68 (56, 77) |  | 80 (67, 87) |  | 53(43, 67) |  | 64 (54, 72) |  | 75 (69, 88) |  | 58 (47, 67) |  | 15 (11, 18) |  |
| **Time period of shift** |
| First half | 67 (75) | 63 (54, 71) | .924 | 59 (50, 66) | .356 | 67 (56, 78) | .361 | 47 (39, 60) | .620 | 70 (57, 78) | *.016* | 88 (75, 88) | *.001* | 53 (47, 75) | .119 | 15 (12, 20) | *.016* |
| Second half | 22 (25) | 66 (40, 73) |  | 69 (44, 79) |  | 76 (47, 84) |  | 52 (29, 75) |  | 58 (36, 73) |  | 65(38, 83) |  | 59 (20, 67) |  | 13 (9, 16) |  |
| **Main room cleaning pattern\*\*\*** |
| C/CC | 28 (31) | 60 (53, 70) | *.005* | 59 (52, 62) | *<.001* | 68 (54, 78) | *<.001* | 47 (35, 60) | *.002* | 67 (51, 78) | .588 | 88 (75, 88) | .483 | 53 (37, 73) | .543 | 15 (13, 20) | .407 |
| H/V | 37 (42) | 67 (54, 73) |  | 61 (50, 69) |  | 68 (58, 82) |  | 50 (40, 60) |  | 70 (57, 78) |  | 75 (63, 88) |  | 60 (47, 73) |  | 15 (11, 19) |  |
| Random | 15 (17) | 68 (63, 76) |  | 75 (55, 83) |  | 83 (71, 84) |  | 62 (60, 75) |  | 65 (46, 74) |  | 75 (63, 83) |  | 60 (40, 73) |  | 13 (11, 15) |  |
| Local | 9 (10) | 50 (34, 60) |  | 41 (29, 46) |  | 41 (28, 56) |  | 33 (29, 40) |  | 57 (42, 70) |  | 88 (50, 100) |  | 53 (38, 53) |  | 12 (9, 23) |  |
| **Bathroom cleaning order** |
| Last | 64 (72) | 64 (55, 73) | .072 | 59 (50, 73) | .607 | 68 (53, 83) | .553 | 53 (40, 60) | .517 | 69 (57, 78) | *.023* | 78 (75, 88) | *.023* | 60 (47, 74) | *.017* | 15 (13, 20) | *.006* |
| Middle | 10 (11) | 59 (45, 69) |  | 54 (31, 69) |  | 62 (50, 77) |  | 47 (29, 58) |  | 67 (42, 70) |  | 71 (50, 100) |  | 53 (40, 57) |  | 11 (8, 12) |  |
| First | 12 (14) | 60 (54, 73) |  | 61 (52, 76) |  | 76 (66, 79) |  | 37 (26, 75) |  | 65 (56, 71) |  | 87 (69, 100) |  | 48 (35, 68) |  | 14 (12, 20) |  |
| Not cleaned | 3 (3) | 37 (37, 40) |  | 47 (44, 69) |  | 47 (42, 83) |  | 50 (39, 54) |  | 0 (0, 0) |  | 0 (0, 0) |  | 0 (0, 0) |  | 10 (8, 14) |  |
| **Any interruptions during cleaning** |
| No | 39 (44) | 63 (54, 73) | .775 | 61 (50, 75) | .833 | 68 (61, 82) | .588 | 47 (29, 60) | .283 | 65 (48, 74) | .434 | 88 (63, 88) | .390 | 53 (38, 67) | .180 | 13 (11, 16) | *.002* |
| Yes | 50(56) | 64 (54, 72) |  | 59 (49, 69) |  | 68 (50, 82) |  | 53 (39, 60) |  | 69 (57, 78) |  | 75 (63, 88) |  | 60 (47, 79) |  | 16 (13, 21) |  |

\* IQR: interquartile range

\*\* G: general medicine and infectious diseases units; P: physical medicine and rehabilitation unit; C: colorectal specialty unit

\*\*\* C/CC: clockwise or counter-clockwise; H/V: horizontal or vertical