**Supplementary Methods**

*Cleaning of Patient Rooms (Daily and Terminal Cleaning)*

In room cleaning was performed according to hospital policy and was not modified for the purposes of this study. A team of environmental services (EVS) staff performed in-room cleaning for all COVID isolation rooms. This team comprised of 12 staff members. Daily cleaning was performed according to a checklist (Supplementary Table 1). Virex PlusTM disposable wipes (quaternary ammonium product) were used for all surfaces within the room with the exception of the bathroom which were cleaned with ChloroxTM sodium hypochlorite disposable wipes. One disposable wipe was used per surface. Floors were cleaned with microfiber mops and BruTabsTM, a sodium dichloro-s-triazinetrione disinfectant. Mops were to be used for a single patient room prior to disposal. All disinfectants listed for COVID-19 use by EPA (https://cfpub.epa.gov/wizards/disinfectants/).

Terminal cleaning was performed according to a checklist of surfaces (Supplementary Table 2). Cleaning began 45 minutes or later after patient discharge to allow for settling of infectious particles. All rooms and bathrooms underwent ultraviolet germicidal irradiation (UVGI) after surface cleaning (Optimum-UVTM, Clorox Healthcare). Monitoring of cleaning effectiveness was performed by manager inspection of 30% or more discharge rooms. While ATP monitoring is used in other units, visual monitoring was used primarily in COVID isolation rooms. There were no periods during the study where shortage/availability of cleaning supplies altered cleaning practices.

**Supplementary Tables**

Supplementary Table 1. Daily Cleaning Procedure

|  |  |
| --- | --- |
| Order of Cleaning Procedure | Surfaces |
| Empty trash |  |
| Dust high surfaces |  |
| Disinfect vertical surfaces | Dispensers and doorknobs, spot clean walls |
| Disinfect horizontal surfaces (high touch objects) | Bed rails, call bell, bed table, remotes, Phone |
| Disinfect bathroom | Toilet and sink |
| Dust mop |  |
| Damp mop |  |

Supplementary Table 2. Terminal Cleaning Procedure

|  |  |
| --- | --- |
| Order | Cleaning Procedure |
| 1 | Floors and carpets |
| 2 | Baseboards, corners, edges |
| 3 | Walls and doors |
| 4 | Ceiling spot clean |
| 5 | Vents dusted and  |
| 6 | Lights dusted and  |
| 7 | Window mini blinds  |
| 8 | Glass  |
| 9 | Bed |
| 10 | Chairs, tables, nightstands |
| 11 | Television and monitors |
| 12 | Telephone/ controllers |
| 13 | Trash receptacle emptied and cleaned |
| 14 | Linen Hamper |
| 15 | Bathroom doors and walls |
| 16 | Bathroom corners and edges |
| 17 | Bathroom ceiling |
| 18 | Bathroom sink/plumbing |
| 19 | Bathroom toilet/plumbing |
| 20 | Bathroom tub and shower |
| 21 | Bathroom shower curtain changed |
| 22 | Bathroom dispensers  |
| 23 | Bathroom glass and mirrors |
| 24 | Bathroom trashcan emptied and cleaned |
| 25 | Bathroom faucets |
| 26 | Bathroom vents |
| 27 | Bathroom toilet |
| 28 | Bathroom toilet tissue changed |
| 29 | Doorknob/handle |
| 30 | Windowsills |
| 31 | Chair rails/bumpers |
| 32 | Door kickplate |
| 33 | Privacy curtains changed |
| 34 | Door threshold and frame |
| 35 | Sharps container |
| 36 | Dry mop |
| 37 | Wet mop |
| 38 | UV cleaning |