

Table S1. Location and photo of formica sheets

No.	UV line of sight*	Area	Site
1	Direct	room	bedside rail surface
2	Direct	room	closet surface
3	Direct	room	CPS (Control panel systems) panel surface
4	Direct	room	top of the bed frame
5	Direct	room	top of the bedside table
6	Direct	room	top of the caregiver's bed
7	Direct	room	top of the mattress
8	Direct	room	top of the overbed table
9	Direct	room	top of the TV cabinet
10	Direct	room	top of the window frame
11	Indirect	room	footside under the bed frame
12	Indirect	room	headside under the bed frame
13	Indirect	room	inside the bottom of the bedside table
14	Indirect	room	inside the bottom of the closet
15	Indirect	room	inside the FCU (Fan coil unit)
16	Indirect	room	inside the top of the bedside table
17	Indirect	room	inside the top of the closet
18	Indirect	room	inside the TV cabinet
19	Indirect	room	under the caregiver's bed
20	Indirect	room	under the mattress
21	Direct	bathroom	sink basin surface
22	Direct	bathroom	sink workstation surface
23	Direct	bathroom	top of the paper towel case
24	Direct	bathroom	top of the sanitary products container
25	Direct	bathroom	top of the toilet seat
26	Indirect	bathroom	back of the toilet lid
27	Indirect	bathroom	facing the ceiling; top of the bathroom rack
28	Indirect	bathroom	facing the wall; floor side of toilet
29	Indirect	bathroom	facing the wall; toilet surface
30	Indirect	bathroom	floor the bottom of the sink

\*Direct: the sites thorough which laser pointer pass; Indirect: the sites thorough which laser pointer cannot pass.