Men's bathroom

Dunnett's multiple comparisons test	Mean Diff.	95.00% CI of diff.	Below threshold?	Summary	Adjusted P Value
WC					
NT vs. TT	37.00	28.40 to 45.60	Yes	****	<0.0001
NT vs. TG	38.00	29.40 to 46.60	Yes	****	<0.0001
Sink					
NT vs. TT	28.00	19.40 to 36.60	Yes	****	<0.0001
NT vs. TG	26.00	17.40 to 34.60	Yes	****	<0.0001
Floor 1					
NT vs. TT	19.00	10.40 to 27.60	Yes	***	0.0001
NT vs. TG	23.00	14.40 to 31.60	Yes	****	<0.0001
Floor 2					
NT vs. TT	21.50	12.90 to 30.10	Yes	****	<0.0001
NT vs. TG	25.50	16.90 to 34.10	Yes	****	<0.0001
Door handle					
NT vs. TT	11.00	2.399 to 19.60	Yes	*	0.0131
NT vs. TG	9.000	0.3987 to 17.60	Yes	*	0.0402

Supplementary Table S1. *Dunnett's multiple comparisons test for microbial contamination levels across surfaces in the men's bathroom.*
Pairwise comparisons were performed between the non-treated (NT) condition and both treatment groups (TT and TG) for each sampled surface (WC, sink, floor 1, floor 2, and door handle). The table reports the mean difference, 95% confidence interval (CI) of the difference, statistical significance (adjusted p values), and significance summary (p value thresholds: **** < 0.0001, *** < 0.001, ** < 0.01, * < 0.05). All comparisons showing significance are marked as "Yes" in the "Below threshold?" column.

Women's bathroom

Dunnett's multiple comparisons test	Mean Diff.	95.00% CI of diff.	Below threshold?	Summary	Adjusted P Value
WC					
NT vs. TT	31.50	22.49 to 40.51	Yes	****	<0.0001
NT vs. TG	35.50	26.49 to 44.51	Yes	****	<0.0001
Sink					
NT vs. TT	21.00	11.99 to 30.01	Yes	****	<0.0001
NT vs. TG	21.00	11.99 to 30.01	Yes	****	<0.0001
Floor 1					
NT vs. TT	50.50	41.49 to 59.51	Yes	****	<0.0001
NT vs. TG	48.50	39.49 to 57.51	Yes	****	<0.0001
Floor 2					
NT vs. TT	49.50	40.49 to 58.51	Yes	****	<0.0001
NT vs. TG	80.00	70.99 to 89.01	Yes	****	<0.0001
Door handle					
NT vs. TT	22.50	13.49 to 31.51	Yes	****	<0.0001
NT vs. TG	22.50	13.49 to 31.51	Yes	****	<0.0001

Supplementary Table S2. *Dunnett's multiple comparisons test for microbial contamination levels across surfaces in the women's bathroom.*
Statistical comparisons were conducted between the non-treated (NT) condition and both treatment groups (TT and TG) for each surface (WC, sink, floor 1, floor 2, and door handle). The mean differences, 95% confidence intervals (CI) of the differences, adjusted *p* values, and significance

summaries are reported. Statistically significant results (adjusted $p < 0.05$) are marked as “Yes” in the “Below threshold?” column and denoted using asterisks according to standard thresholds (**** < 0.0001).

Elevator/Stairs

Dunnett's multiple comparisons test	Mean Diff.	95.00% CI of diff.	Below threshold?	Summary	Adjusted P Value
Floor 1 (S)					
NT vs. TT	-16.00	-33.31 to 1.306	No	ns	0.0707
NT vs. TG	68.50	51.19 to 85.81	Yes	****	<0.0001
Floor 2 (S)					
NT vs. TT	35.00	17.69 to 52.31	Yes	***	0.0003
NT vs. TG	83.00	65.69 to 100.3	Yes	****	<0.0001
Floor 1 (E)					
NT vs. TT	-23.00	-40.31 to -5.694	Yes	*	0.0102
NT vs. TG	12.00	-5.306 to 29.31	No	ns	0.1910
Floor 2 (E)					
NT vs. TT	35.00	17.69 to 52.31	Yes	***	0.0003
NT vs. TG	30.50	13.19 to 47.81	Yes	**	0.0012
Handrail					
NT vs. TT	1.000	-16.31 to 18.31	No	ns	0.9855
NT vs. TG	3.000	-14.31 to 20.31	No	ns	0.8795

Supplementary Table S3. *Dunnett’s multiple comparisons test for microbial contamination levels across surfaces in the elevator/stairwell areas.*
Pairwise comparisons were made between the non-treated (NT) condition and both treatment groups (TT and TG) for multiple sites: Floor 1 (S), Floor 2 (S), Floor 1 (E), Floor 2 (E), and the handrail. Reported are the mean differences, 95% confidence intervals (CI) of the differences, adjusted p values, and statistical significance summaries. Comparisons marked as "Yes" in the “Below threshold?” column indicate statistically significant differences ($p < 0.05$), summarized using standard asterisk notation (**** < 0.0001; *** < 0.001; ** < 0.01; * < 0.05; ns = not significant).

Entry

Dunnett's multiple comparisons test	Mean Diff.	95.00% CI of diff.	Below threshold?	Summary	Adjusted P Value
Floor 1					
NT vs. TT	54.00	41.64 to 66.36	Yes	****	<0.0001
NT vs. TG	52.50	40.14 to 64.86	Yes	****	<0.0001
Floor 2					
NT vs. TT	-15.00	-27.36 to -2.639	Yes	*	0.0174
NT vs. TG	38.00	25.64 to 50.36	Yes	****	<0.0001
Desk 1					
NT vs. TT	11.00	-1.361 to 23.36	No	ns	0.0837
NT vs. TG	18.50	6.139 to 30.86	Yes	**	0.0040
Desk 2					
NT vs. TT	13.00	0.6390 to 25.36	Yes	*	0.0389
NT vs. TG	11.50	-0.8610 to 23.86	No	ns	0.0694
Telephone					
NT vs. TT	19.00	6.639 to 31.36	Yes	**	0.0032
NT vs. TG	20.00	7.639 to 32.36	Yes	**	0.0021
Keyboard					
NT vs. TT	20.00	7.639 to 32.36	Yes	**	0.0021
NT vs. TG	22.50	10.14 to 34.86	Yes	***	0.0007

Supplementary Table S4. *Dunnett's multiple comparisons test for microbial contamination levels across surfaces in the building entry area.*
Statistical comparisons were conducted between the non-treated (NT) condition and both treatment groups (TT and TG) for surfaces sampled at the building entrance. The table presents mean differences, 95% confidence intervals (CI) of the differences, adjusted *p* values, and a summary of statistical significance. Asterisks indicate the level of significance (**** < 0.0001; *** < 0.001; ** < 0.01; * < 0.05; ns = not significant), and the "Below threshold?" column indicates whether the difference was statistically significant ($p < 0.05$).

Restroom

Dunnett's multiple comparisons test	Mean Diff.	95.00% CI of diff.	Below threshold?	Summary	Adjusted P Value
Floor 1					
NT vs. TT	68.00	48.91 to 87.09	Yes	****	<0.0001
NT vs. TG	71.00	51.91 to 90.09	Yes	****	<0.0001
Floor 2					
NT vs. TT	24.50	5.414 to 43.59	Yes	*	0.0138
NT vs. TG	27.50	8.414 to 46.59	Yes	**	0.0067
Chair					
NT vs. TT	27.00	7.914 to 46.09	Yes	**	0.0076
NT vs. TG	27.00	7.914 to 46.09	Yes	**	0.0076
Table					
NT vs. TT	13.50	-5.586 to 32.59	No	ns	0.1751
NT vs. TG	14.00	-5.086 to 33.09	No	ns	0.1575

Supplementary Table S5. *Dunnett's multiple comparisons test for microbial contamination levels across surfaces in the restroom area.*
Statistical comparisons were conducted between the non-treated (NT) condition and both treatment groups (TT and TG) for surfaces sampled at the building entrance. The table presents mean differences, 95% confidence intervals (CI) of the differences, adjusted *p* values, and a summary of statistical significance. Asterisks indicate the level of significance (**** < 0.0001; *** < 0.001; ** < 0.01; * < 0.05; ns = not significant), and the "Below threshold?" column indicates whether the difference was statistically significant ($p < 0.05$).

Office

Dunnett's multiple comparisons test	Mean Diff.	95.00% CI of diff.	Below threshold?	Summary	Adjusted P Value
Floor 1					
NT vs. TT	57.50	49.07 to 65.93	Yes	****	<0.0001
NT vs. TG	67.00	58.57 to 75.43	Yes	****	<0.0001
Floor 2					
NT vs. TT	-2.000	-10.43 to 6.433	No	ns	0.7953
NT vs. TG	16.00	7.567 to 24.43	Yes	***	0.0005
Chair					
NT vs. TT	1.500	-6.933 to 9.933	No	ns	0.8773
NT vs. TG	9.000	0.5666 to 17.43	Yes	*	0.0361
Table					
NT vs. TT	14.50	6.067 to 22.93	Yes	**	0.0012
NT vs. TG	17.50	9.067 to 25.93	Yes	***	0.0002
Telephone					
NT vs. TT	12.00	3.567 to 20.43	Yes	**	0.0059
NT vs. TG	13.00	4.567 to 21.43	Yes	**	0.0031
Keyboard					
NT vs. TT	9.500	1.067 to 17.93	Yes	*	0.0269
NT vs. TG	10.00	1.567 to 18.43	Yes	*	0.0200

Supplementary Table S6. *Dunnett's multiple comparisons test for microbial contamination levels across surfaces in the office area.*
Statistical comparisons were conducted between the non-treated (NT) condition and both treatment groups (TT and TG) for surfaces sampled at the building entrance. The table presents mean differences, 95% confidence intervals (CI) of the differences, adjusted *p* values, and a summary of statistical significance. Asterisks indicate the level of significance (**** < 0.0001; *** < 0.001; ** < 0.01; * < 0.05; ns = not significant), and the "Below threshold?" column indicates whether the difference was statistically significant ($p < 0.05$).