

Supporting Information. Risk reduction of SARS-CoV-2 transmission through disinfection of frequently touched surfaces. A Quantitative Microbial Risk Assessment.

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Abstract

Materials and Methods

Concentration of virus in the saliva and sputum

Viral loads in the saliva or sputum of symptomatic COVID-19 patients within the first 14 days of symptom onset were used as model input. The viral loads were measured using

quantitative reverse-transcription polymerase chain reaction (RT-qPCR).¹⁻⁴ The data were extracted from the figures and is meant to be an approximate number.

PCR data does not distinguish between infectious and non-infectious virus. No reliable information was found regarding the relationship between gene copy number and infectivity for SARS-CoV-2.⁵ Therefore, to convert gene copies to infections virus, we used a ratio reported for influenza viruses.⁶

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