

SOURCE

- 1 Miller SL, Nazaroff WW, Jimenez JL, Boerstra A, Buonanno G, Dancer SJ, Kurnitski J, Marr LC, Morawska L, Noakes C. Transmission of SARS-CoV-2 by inhalation of respiratory aerosol in the Skagit Valley Chorale superspreading event. doi:10.1101/2020.06.15.20132027. PPR:PPR176651.
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- 4 Diapouli E, Chaloulakou A, Koutrakis P. Estimating the concentration of indoor particles of outdoor origin: A review. *Journal of the Air & Waste Management Association*. 2013;63:1113–1129.
- 5 Thatcher TL, Lai ACK, Moreno-Jackson R, Sextro RG, Nazaroff WW. Effects of room furnishings and air speed on particle deposition rates indoors. *Atmospheric Environment*. 2002;36:1811–1819.
- 6 Buonanno G, Stabile L, Morawska L. Estimation of airborne viral emission: Quanta emission rate of SARS-CoV-2 for infection risk assessment. *Environ Int* . 2020;141:105794. doi:10.1016/j.envint.2020.105794

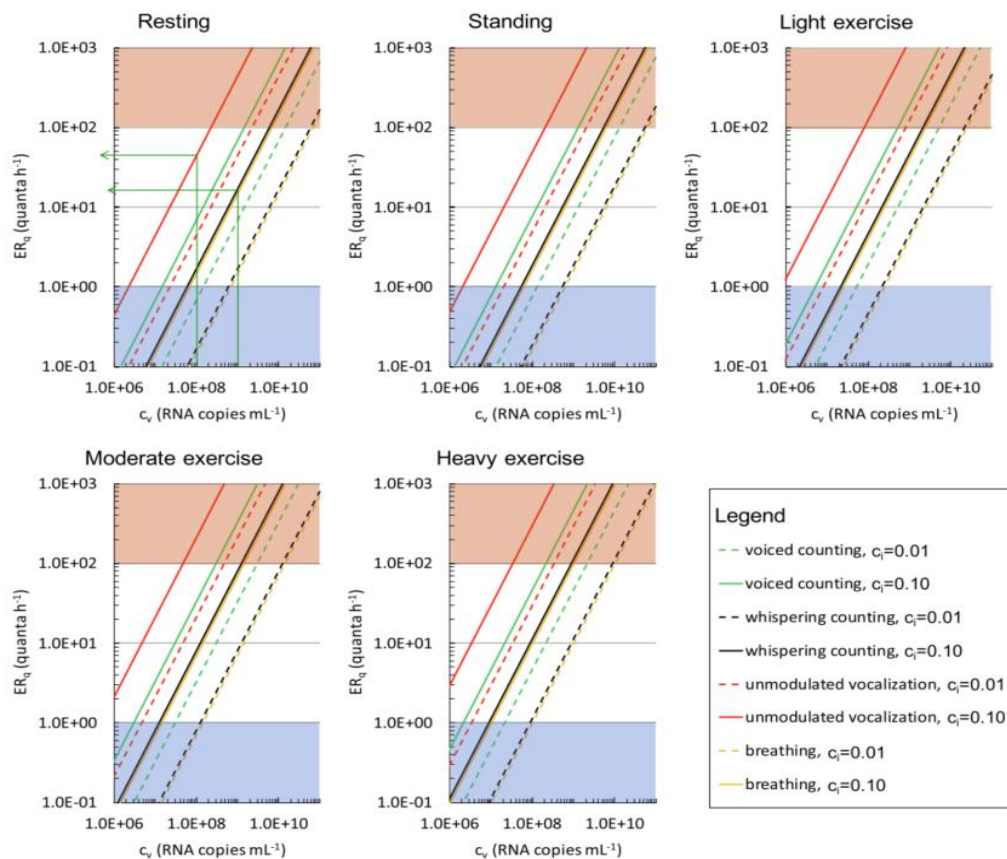
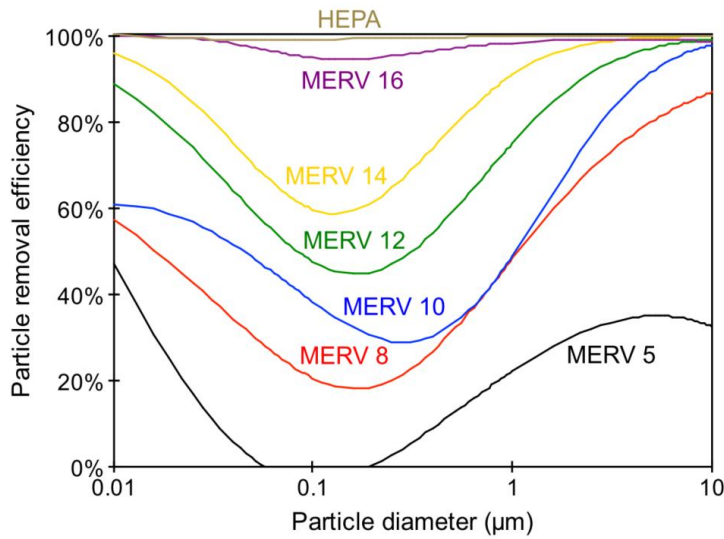


Fig. 1. ER_q (quanta h^{-1}) trends as a function of the viral load in sputum (c_v , RNA copies mL^{-1}) and quanta-RNA copies correction factor (c_1) for different respiratory activities (voiced counting, whispered counting, unmodulated vocalization, breathing) and different activity levels (resting, standing, light exercise, moderate exercise, and heavy exercise). Zones representative of low (< 1 quantum h^{-1}) and high (> 100 quanta h^{-1}) quanta emission are indicated as blue and red shaded areas, respectively.

- 7 Buonanno, Giorgio & Morawska, Lidia & Stabile, Luca. (2020). Quantitative assessment of the risk of airborne transmission of SARS-CoV-2 infection: prospective and retrospective applications. 10.1101/2020.06.01.20118984.
- 8 Gammaitoni, L. and Nucci, M.C. (1997a) Using a mathematical model to evaluate the efficacy of TB control measures, *Emerg. Infect. Dis.*, 3, 335–342
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- 10 Hecker, R., Hofacre, K.C., 2008. Development of Performance Data for Common Building Air Cleaning Devices (Final Report No. EPA/600/R-08/013). U.S. Environmental Protection Agency, Office of Research and Development/National Homeland Security Centre Research Triangle Park, NC. Research

Virions (or "particles") of corona viruses are spherical particles between 0.06 micron and 0.14 micron in diameter, averaging about 0.125 micron, measured by electron microscope (Zhu et al, 2020).



- 11 IES Committee Report CR-2-20-V1, IES Photobiology Committee
- 12 Contact tracing during Phase I of the COVID-19 pandemic in the Province of Trento, Italy: key findings and recommendations Pirous Fateh-Moghadam (1), Laura Ba s (1), Silvia Molinaro (2), Steno Fontanari (3), Gabriele Dallago (3), Nancy Binkin (4), Mariagrazia Zuccali (2)
- 13 COVID-19 in schools and early childhood education and care services – the Term 2 experience in NSW Prepared by the National Centre for Immunisation Research and Surveillance (NCIRS) 7/31/2020
- 14 Identification of SAR-Cov-2 RNA in healthcare heating, Ventilation, and Air Conditioning Systems Patrick F. Horve1,* , Leslie Dietz1, Mark Fretz2, David A. Constant3, Andrew Wilkes4, John M. Townes5, Robert G. Martindale6, William B. Messer3, Kevin G. Van Den Wymelenberg1,2,*
- 15 Contact tracing during coronavirus Disease Outbreak, South Korea, 2020 volume 26
- 16 Controlling CDI, environmental services by Minnesota Hospital Association
- 17 ASHRAE one hour UVGI course by William P Bahnfleth 04-21-2020
- 18 The environmental control of epidemic contagion an epidemiologic study of radiant disinfection of air in day schools by W.F. Wells, M.W. Wells & T.S Wilder
- 19 health.ny.gov/professionals/ems/pdf/assmttools.pdf
- 20 ASHRAE.ORG
- 21 ASHRAE STANDARD 170, VENTILATION OF HEALTHCARE FACILITIES
- 22 OSSE Guidance Health and Safety Guidance for Schools 07.06.20
- 23 08-NIOSH-2003-136
- 24 Minimum Classroom Size and Number of Students Per Classroom:
C. Kenneth Tanner The University of Georgia School Design and Planning Laboratory April, 2000
- 25 Portable cleaner refered model: <https://www.blueair.com/us/air-purifiers/classic-205/1598.html>