Title: Constant vs. cyclic flow when testing face masks and respirators as source control devices for simulated respiratory aerosols—Data Dictionary

Dataset Number:

Data dictionary

Field name on data page	*Field definition*
Source_control_device	Type of source control device used in experiment
Flow_rate	Airflow (cyclic or constant) used in experiment in Liters/minute
Flow_type	Type of airflow (cyclic flow or constant flow)
Replicate	Each combination of parameters was tested four times
Fit_factor	Reading from PortaCount respirator fit tester
XXX_μm_particles_per_cm^3	Average concentration of aerosol particles within each size bin in number of particles/cm^3. For example, 0.337_μm_particles_per_cm^3 is the number of aerosol particles with a diameter of 0.337 micrometers per cubic centimeter in the test chamber. The particle diameter refers to the arithmetic mean of the optical diameter for each size bin.
Filtration_efficiency	Filtration efficiency results for each source control device in units of fraction of the test aerosol (dimensionless).
Filter_resistance	Airflow resistance results for each source control device in units of Pascals.