Efficacy of universal masking for source control and personal protection from simulated respiratory aerosols in a room

Data Dictionary

Field name on data page	*Field definition*
Action	Indicates whether the respiratory aerosol source simulator is coughing or breathing during the experiment
Orientation	The simulators were oriented so that they were either (1) facing each other (front-to-front), (2) with the front of the source simulator facing the back of the recipient simulator (front-to-back), or (3) with the simulators beside each other facing in the same direction (side-by-side).
Distance	Experiments were performed with the source and recipient simulator either 0.9 m (36”) or 1.8 m (72”) apart, measured from the mouth opening of each simulator
Condition	Experiments were conducted with four masking conditions: (1) No masks on either the source or receiver (No mask/no mask); (2) A mask on the receiver only (No mask/Mask); (3) A mask on the source only (Mask/no mask); and (4) Masks on both the source and receiver (Mask/Mask).
Mean_Mass_at_mouth	Mean aerosol concentration in $\mu g/m^3$ measured over 15 minutes at the mouth of the recipient simulator.
Mean_Mass_Chamber_average	Mean aerosol concentration in $\mu g/m^3$ in the environmental chamber averaged over five locations (excluding the location at the mouth of the recipient).