



## Buildings' Ventilation in the time of COVID-19

Sept.17<sup>th</sup> @ 3:00 PM EST – Virtual Zoom Event

Never before has there been such a focus on air quality and its impact on health. As buildings across North America look to re-open. Worries about COVID-19 are high for good reason.

High CO<sub>2</sub> levels are a good indicator of re-circulated, trapped indoor air, and clearly "re-breathed" air is to be minimized this year more than ever. Increasing ventilation rate to healthy levels of CO<sub>2</sub> is also likely to improve students' functioning--a recent peer-reviewed study found a 400 ppm increase in CO<sub>2</sub> was associated with a 21% decrease in cognitive scores.

Proper ventilation contributes to increased occupant performance:

A 70-school study in the southwestern USA demonstrated that students' average mathematics scores increased by 0.5% for each 2 cfm/person increase in Ventilation Rate (VR), ranging up to 15 cfm/person.

A 54-school study demonstrated that math and reading scores were 14% higher when VR was greater than 10 cfm/student compared to scores when VR was less than 5 cfm/student

Poor ventilation degrades the health of occupants:

A large comparison study of 168 California classrooms demonstrated that increasing classroom VR from the California average (8.5 cfm/person) to the state standard of 15 cfm would decrease illness absences by 3.4%.

A Washington and Idaho study of 434 classrooms showed that a 1000 PPM increase in CO<sub>2</sub> was associated with a 10% - 20% increase in student absence.

Please Register and ask for a Reminder here on Eventbrite on the 17th of September for Free !! with a Suggested donation \$20

<https://www.eventbrite.com/e/ventilation-webinar-never-before-has-there-been-such-focus-on-ventilation-tickets-120217233983>