



Know Your Classrooms' Virus Transmission Risks

Powerful school-wide air quality monitoring provides real-time insight about COVID-19 transmission risks to help keep your students safe.

Join the leading schools trusting AirGradient



AirGradient continuously monitors your classrooms and indicates areas with a higher risk of COVID-19 transmission based on CO2, PM2.5, Temperature and Humidity.

Four Reasons to Monitor Virus Transmission Risks in Your School

Compliance with CDC

Ensure that your classrooms comply with national and international CDC recommendations.

Enforce Social Distancing

With real-time CO2 values, areas with high occupancy are immediately flagged and action can be taken.

Optimize Ventilation

Save money and resources by monitoring ventilation rates, identifying at-risk spaces and implementing improvements.

Peace of Mind

Evidence based scientific measurements show parents that your school provides a safe environment for their children.



What makes AirGradient Special?

AirGradient not only helps to reduce the virus transmission risks but also offers school-specific solutions for accelerated growth and cost savings.

Energy Savings

With an effective indoor air quality monitoring system in place, the whole school can operate more efficiently and achieve energy savings helping to reduce cost.

Improve Test Scores

Improved indoor air quality creates an optimal environment for learning and wellbeing, where students can excel.



Grow Your School

AirGradient comes with a powerful marketing toolkit focused on increasing the growth of your school and retention of existing students.

Fast Return on Investment

Our affordable sensor hardware and platform together with the integrated marketing features allow for fast return on investments.



Create piece of mind for parents, students and staff that your school is actively reducing COVID-19 transmission risks by 24/7 air quality monitoring.

"AirGradient designed customized marketing material for our marketing team and after we launched the Prem Clean Air campaign, our weekly applications increased exponentially."

Liz Hammond

Director of Development
Prem Tinsulanonda International School

"AirGradient has helped us to gain valuable insights into the air quality in each of our classrooms. AirGradient's dedication to this mission has made it possible for any school or center to monitor their air quality in a cost effective way."

Kay Erikson

Director
Children's Pre-School Center, Palo Alto

"We switched our 200+ sensors to AirGradient because of its user-friendly and responsive dashboard. AirGradient also integrated our other environmental data."

Mark Hevland

Director of Risk Management
International School Bangkok (ISB)



Contact us for a Free Consultation

support@airgradient.com
www.airgradient.com



AirGradient's COVID-19 Index

Learn more about how AirGradient's COVID-19 Index can help create safer indoor spaces.

AirGradient's C-19 Index helps facility operators and owners identify environmental factors that can be improved to create safer indoor spaces. The C-19 Index allows immediate recognition of spaces where ventilation, temperature, or humidity may be adjusted to decrease the risk of viral transmission. The C-19 Index is based on current recommendations from WHO, REHVA, ASHRAE, and peer-reviewed studies specific to COVID-19 transmission risk.

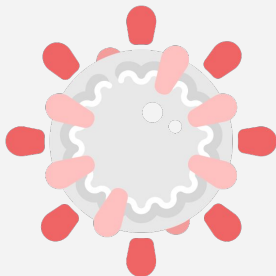
The C-19 Index does not represent or calculate the quantified transmission risk. This is not possible by any index since the transmission risk's relationship to measurable environmental factors have not been adequately proven. Furthermore, additional factors such as mask wearing, occupant profile, activity and occupant density have not been quantified.

Additionally, the emergence and coexistence of virus variants with vastly different transmissibility complicates quantified transmission risk. The AirGradient C-19 Index instead is designed to provide insight to areas where transmission risk can be decreased through the adjustment of ventilation, temperature, and humidity.

Ventilation & CO2

Elevated CO2 levels serve to identify spaces that are poorly ventilated. Increasing ventilation decreases the transmission of COVID-19 through aerosols, and may decrease the deposition of aerosolized particulates on surfaces.

The C-19 Index follows REHVA's guidance to set CO2 set-points to 550 ppm, and REHVA and US CDC's recommendations of 800 ppm during pandemic conditions. The C-19 indicator calculation then progressively increases with higher CO2 levels.



Temperature

REHVA and ASHRAE state that temperature has little effect on the transmission of the SARS-CoV-2 virus at normal indoor temperatures. Studies do show exponentially increased half life on surfaces at lower temperatures.

The C-19 indicator calculation begins at 20C and progressively increases with lower temperatures.

Humidity

Humidity has little effect on the viability of the SARS-CoV-2 virus until very high humidity levels of above 80% RH. However, REHVA and ASHRAE state that humidity contributes to droplet nuclei forming, and susceptibility of occupants' mucous membranes.

Based on these guidelines, the C-19 indicator calculation begins at 30% RH and progressively increases with lower humidity.



Contact us for more information

support@airgradient.com
www.airgradient.com