

Ventilation and IAQ in US Schools: Systems, Strategies and Extreme events

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ABSTRACT

Having good Indoor Air Quality in schools is essential for an optimal learning environment. Health impacts of poor IAQ on children are important from both physical and mental health perspectives. Furthermore, maintaining good IAQ in schools is an essential strategy for limiting spread of airborne infectious diseases. Schools also need to be safe places for children to attend during extreme events, such as wildfires. This workshop will discuss US school ventilation, in terms of what systems are used, how reliably ventilation is provided, and guidelines for wildfires and other extreme events that combine ventilation, air cleaning and other measures.

KEYWORDS

Schools, ventilation rates, equipment failures, CO₂, extreme events, air cleaning