



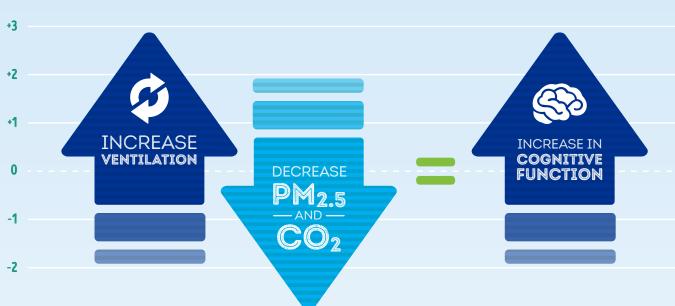
Buildings as a powerful tool for

HEALTH AND PRODUCTIVITY



AIR QUALITY AND COGNITIVE FUNCTION

There is a direct relationship between ventilation rates and cognitive function, as ventilation impacts levels of PM_{2.5} and CO₂ exposure. For each decrease in the levels of exposure, there will be an increase in cognitive function.







EVEN GOOD BUILDINGS CAN BE BETTER Even buildings operating at the industry standard

of 1,000 ppm of CO₂ can see improvements in cognitive function with increased ventilation.





KEY TAKEAWAYS

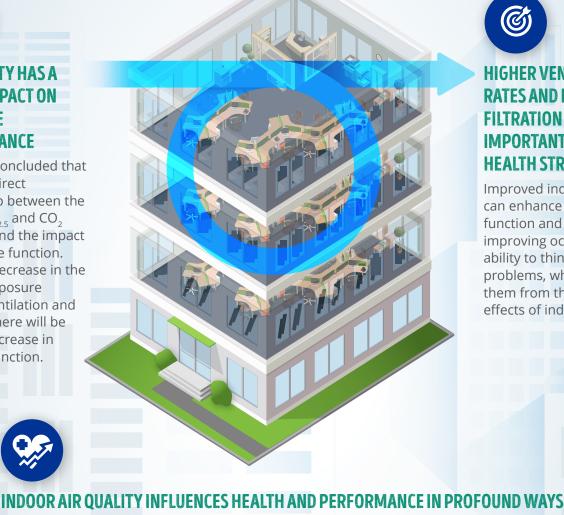


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DIRECT IMPACT ON COGNITIVE **PERFORMANCE** The study concluded that

there is a direct

relationship between the level of PM_{2,5} and CO₂ exposure and the impact on cognitive function. For every decrease in the levels of exposure through ventilation and filtration, there will be an equal increase in cognitive function.





RATES AND ENHANCED **FILTRATION ARE IMPORTANT PUBLIC HEALTH STRATEGIES** Improved indoor air quality

can enhance cognitive function and health, improving occupants' ability to think and solve problems, while protecting them from the harmful effects of indoor pollution.



long-term benefits. When you consider that 90 percent of the costs in a building are associated with the people inside - including salaries and benefits - the ability to improve

cognitive performance and reduce infectious disease transmission, sick building symptoms and missed workdays through improved indoor air quality is powerful.

Ventilation refers to the rate of air exchange in buildings. Ventilation rates can impact the concentration

VENTILATION

of CO₂ and other pollutants.



air. They can can travel deep into your respiratory tract, impacting your health and cognitive function.

PM_{2.5} refers to tiny particles in the





OF BUILDINGS STUDY 3: GLOBAL BUILDINGS Results across the COGfx studies show that, with the right

HE PROVEN POWER

strategies in place, buildings can play a significant role in improving cognitive function, health and productivity,

while delivering bottom line benefits to businesses and health benefits to society. These findings were proven over time in the lab, across the United States and

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