



WHY YOU NEED TO ADD CLEAN AIR TO THE PPE LIST IN YOUR NEW OFFICE.

We now know that Covid is airborne. The creation and presence of aerosols increases the risk of transmission for it and other airborne pathogens that impact our health and wellness. As the medical and scientific communities begin to embrace these findings, it pushes IAQ to the forefront of preventative measures to keep people in our buildings safe. The costs of poor indoor air quality (IAQ) pre-pandemic are staggering:

- In Canada, additional cost of sick leave attributed to poor IAQ is estimated between \$1.4b-\$2.8 billion annually. (Standards Council of Canada, 2017).
- The estimated average annual economic burden of influenza to the U.S. healthcare systems and society was \$11.5 billion in 2015. (National Library of Medicine, May, 2018)
- When costs of implementing air quality regulations are accounted for, the benefits outweigh the costs by a minimum ratio of 4 to 1 (Standards Council of Canada, 2017).

Can you imagine the costs now?

In looking at an average Canadian dental practice,

- If a hygienist misses a day, on average, if assume a \$300 net production per hour, 7 patients a day would equal \$2100 a day loss revenue.
- If a dentist misses a day, on average, if assume \$500 net production per hour, that's \$3500 a day for a 7 hour day.
- Absenteeism due to illness (StatsCanada average 9 days in 2020) would cause a revenue shortfall of anywhere from \$19,000 to \$31,000 based on above calculations, per professional.

However, generally the most important benefits of improving IAQ in our offices are the ones we can't see:

- Increased confidence with staff (Dr. Wilson J Kwong, <https://youtu.be/7kGBJPNlz1k>)
- Increased confidence with patients (Dr. Kelvin J Mah, <https://youtu.be/EYjw7dKWIE>)
- Increased safety, creating peace of mind (Dr. Angelique Leung, <https://youtu.be/RjEuxBZxk-k>)
- Staff retention and comfort (Cayley Gaudette, RDH, https://www.youtube.com/watch?v=kKcY_MT9To4)
- Less absenteeism due to illness

“ My receptionist said that we had a family contact us from Aldergrove and driving out to see us since I advertised the Pura Air on my website. A new family of 4 will pay for the Pura Air if they are lifelong patients. Super happy to be using the Pura Air today and I find my ergonomics better since I place the shield between the patient and I as a reminder to sit straighter. ”

- Dr. Stephen Chow, Mission Dental Clinic



How Do I Know What I Need?

One of the first questions you need to answer is whether or not you have access to the building's hvac system or not. Generally, in dental offices in larger complexes, you don't. This is when air purification has to step in and play a key role in your office clean air strategies. If you are in your own building, you might want to investigate air purification to help with places where people gather that your hvac system cannot handle. The third consideration is aerosol generating procedures. Source capture options for these rooms should also be part of the discussions with your office designer or mechanical engineer. For resources on these considerations:

- > *The Role of Air Purification In Your Facility's IAQ: How to Know When it Makes Sense, by Dr. Brian Fleck, PhD, Peng, U of Alberta.*
- > *A Case for Covid-19 Virus Filtration Solutions for Close Contact Medical & Dental Facilities*
- > *Ambient Air Capture Vs Source Capture*
- > *Every Breath We Take, Clean Air Solutions for Your Facility, Pura Air*

Get in touch with a representative now to find out how Pura Air can help make every breath you take clean and safe. Reserve your unit today.