Does air pollution from food animal farming affect COVID-19 incidence, hospitalizations, and mortality in Ontario?

**BACKGROUND**

1. SARS-CoV-2 persistence in an aerosol
2. ACE-2 receptor expression
3. Aggravates pre-existing health conditions
4. Causes systemic inflammation

**PROPOSED BENEFITS**

1. Demonstrate the importance of existing air pollution regulations in the livestock industry.
2. May inform food animal practices in support of public health.
3. Improvement in air quality will have a reciprocal effect on all One Health pillars.