

# Webapp – Simple Explanation

You

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## **Abstract**

Your abstract.

## **1 Intended use and main assumptions**

- only airborne transmission; doesn't include droplet transmission
- model based on ADR equation; not well-mixed
- disclaimer
- achieve an understanding of spatial effects of airborne transmission
- achieve an understanding of effects of interventions

## 2 Using the app

### 2.1 Model Inputs

#### 2.1.1 Basic Parameters

#### 2.1.2 Advanced Parameters

### 2.2 Model Outputs

#### 2.2.1 Base Results

#### 2.2.2 Explore More Results

### 2.3 Application Examples

## 3 Scientific Basis

### 3.1 ADR

### 3.2 Exhalation of viral particles

#### 3.2.1 Aerosol generation rate

#### 3.2.2 Viral load

#### 3.2.3 Activity

#### 3.2.4 Masks

### 3.3 Removals

#### 3.3.1 Ventilation

#### 3.3.2 Gravitational settling

#### 3.3.3 Biological Deactivation

### 3.4 Movement of Viral particles

#### 3.4.1 Advection

#### 3.4.2 Diffusion

### 3.5 Dose of viral particles inhaled and infection risk

#### 3.5.1 Dose

#### 3.5.2 Activity

#### 3.5.3 Masks

#### 3.5.4 Infection risk

## References