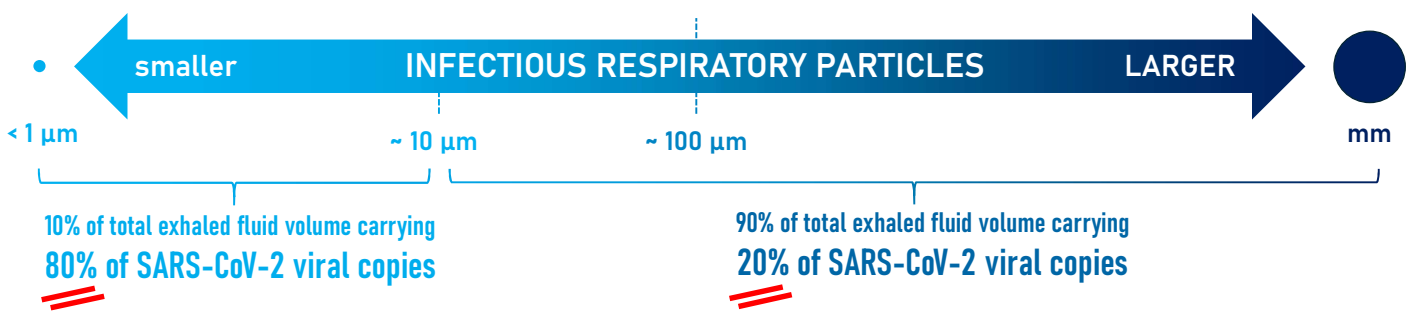
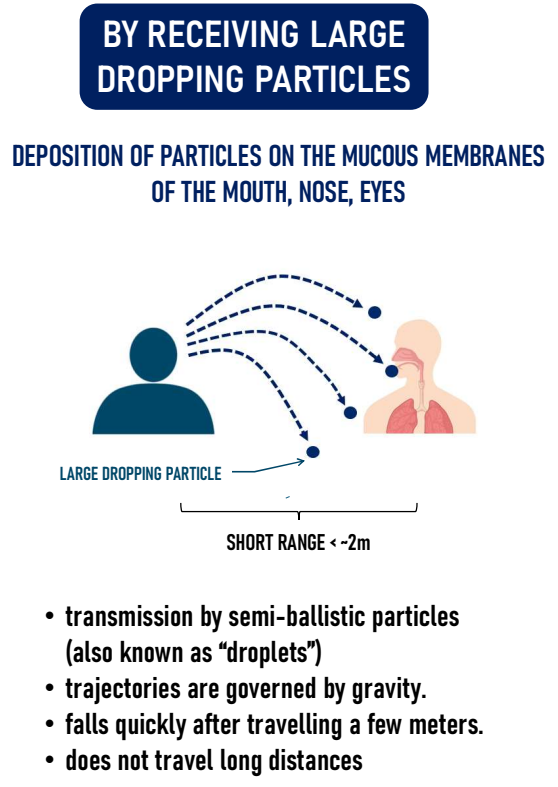
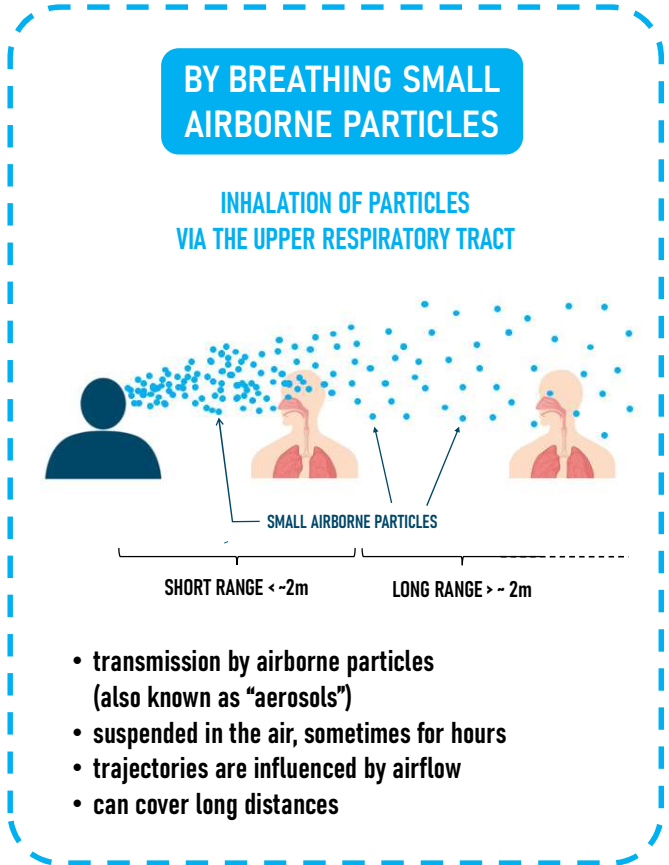




FLU, COVID-19, MEASLES, TUBERCULOSIS...

HOW ARE THESE DISEASES TRANSMITTED?

THE ROLE OF INFECTIOUS RESPIRATORY PARTICLES



Infectious Respiratory Particles exist on a continuous spectrum of sizes (from sub-microns to millimeters in diameter) and their behavior and trajectories in the air depend on several parameters : ambient air temperature, velocity, humidity, sunlight (ultraviolet radiation), airflow distribution within a space...

The representation above is simplified and shows the two main models of particle physical behavior, characteristic of what happens at the extremums. The transition from one to the other is continuous with hydride behavior. The limits of $\sim 10\mu\text{m}$ and $\sim 100\mu\text{m}$ are orders of magnitude, as are the % values indicated.