

COVID-19

Implications for health care and the environment



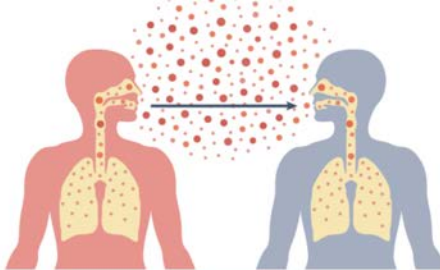
Outline

Transmission

Diagnostics

Prevention

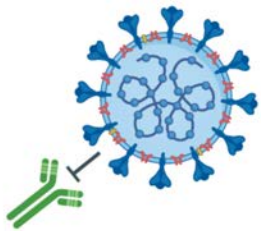
Treatment



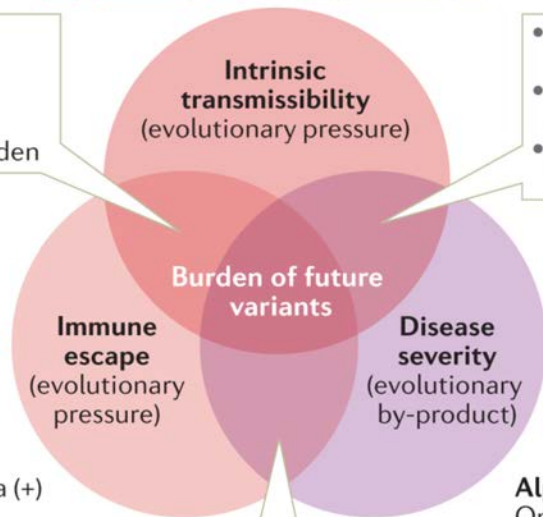
Alpha, Delta (++)*
Omicron (+?)

- Unreliable prior immunity
- High incidence of infection
- Potentially low burden

- Strong but waning prior immunity
- Very high burden in naive populations
- Intermediate burden in immune populations

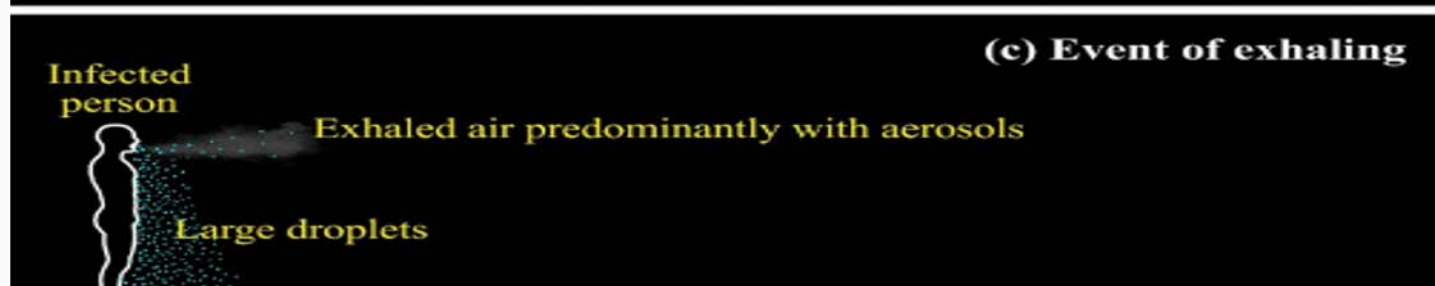
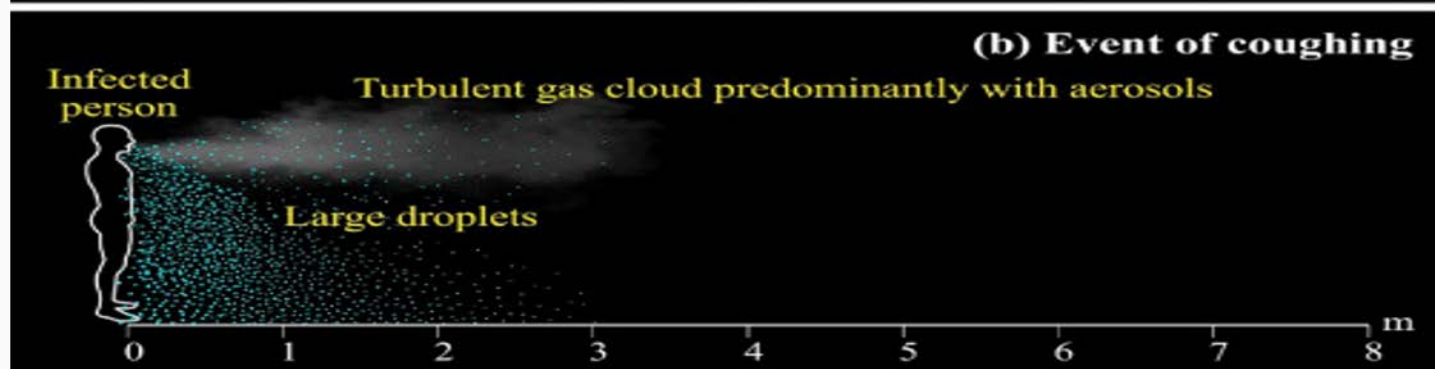
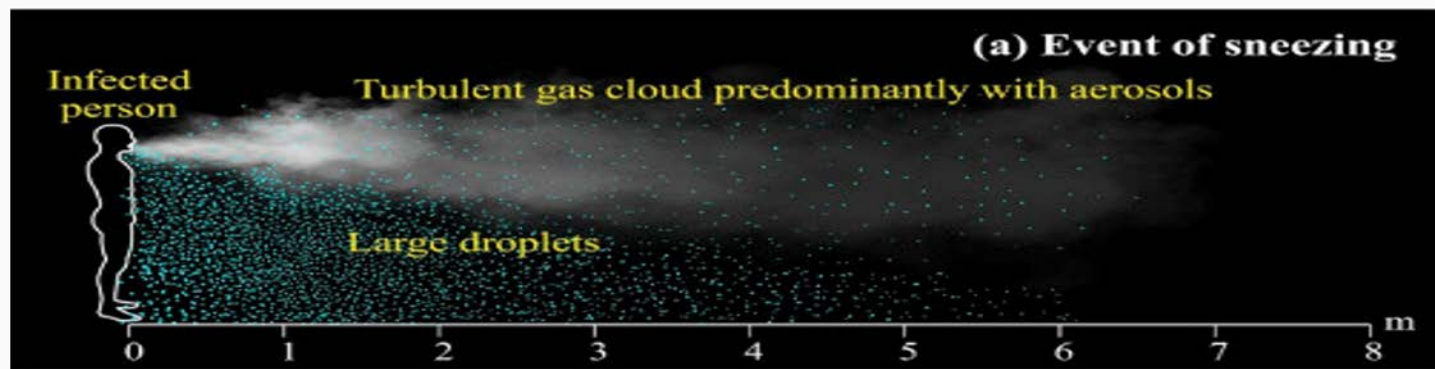


Beta, Gamma, Delta (+)
Omicron (+++)



Alpha, Delta, Gamma (++)
Omicron (?)

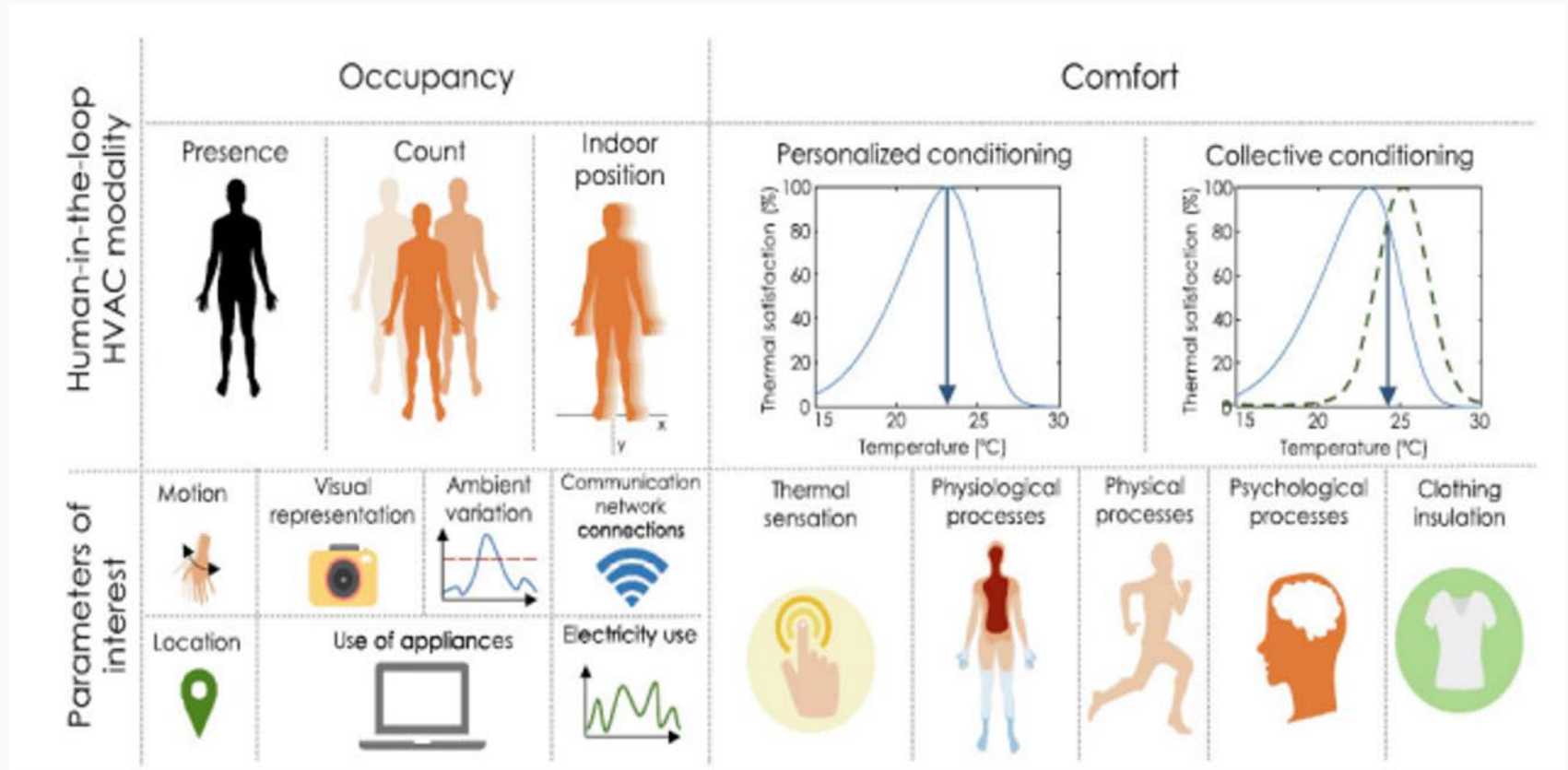
- Unreliable prior immunity
- High burden in naive or immune populations
- Highest need for non-pharmaceutical measures of control







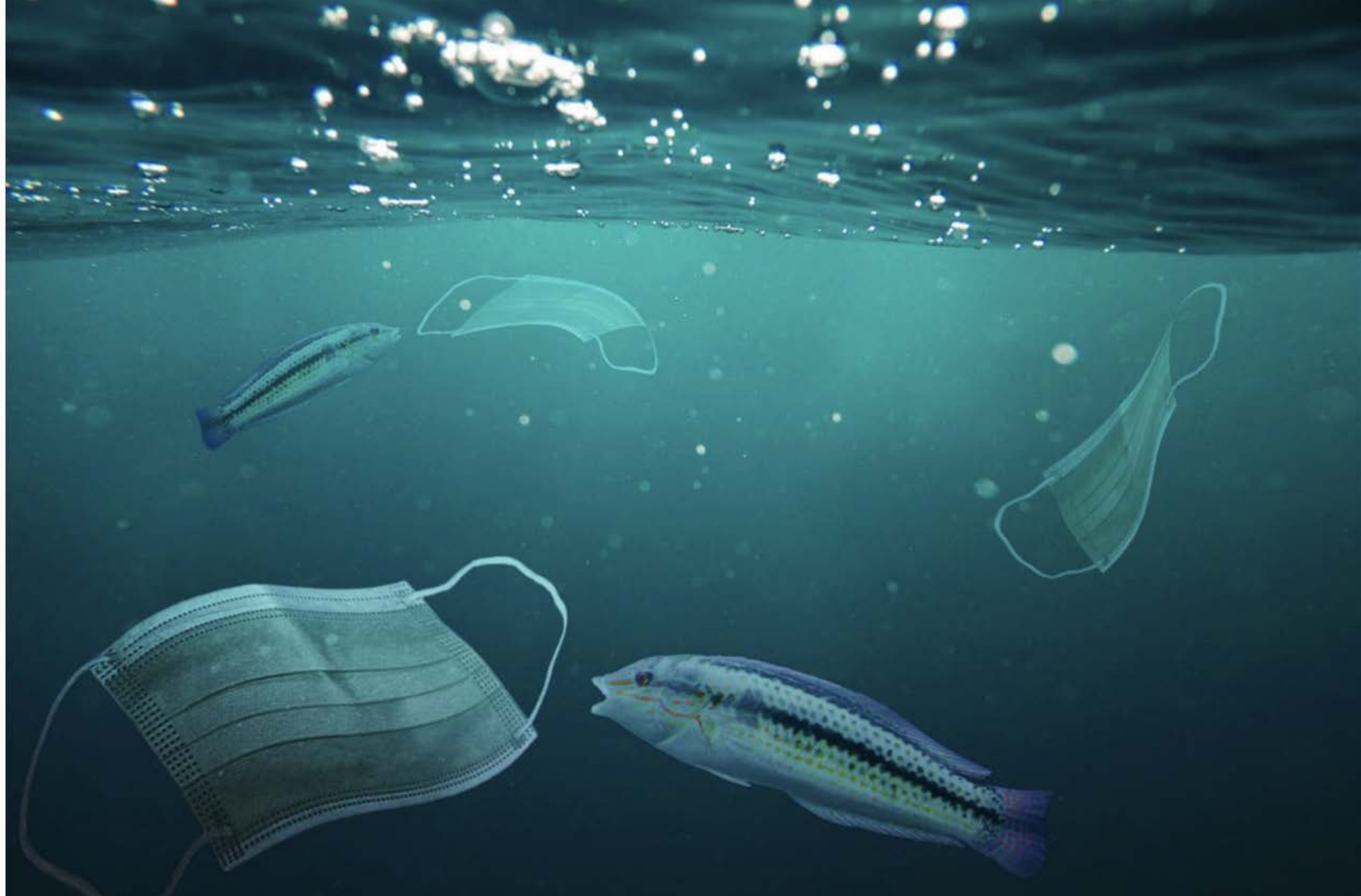
Sustainability in Heating, ventilation and air conditioning (HVAC) systems













Treatment Options

Antivirals

Post-exposure prophylaxis with monoclonal antibodies

Pre-exposure prophylaxis with monoclonal antibodies