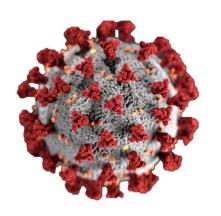
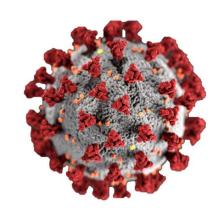
What's up to now?

COVID-19 Infection Prevention and Control



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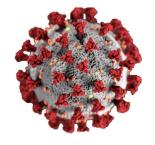
What's Up?

Too Many Variants



Severe Acute Respiratory Syndrome-Coronavirus-2 SARS-CoV-2

- Enveloped, non-segmented, single-stranded, positive sense RNA viruses
- Outer lipid envelope: fragile, sensitive to ultraviolet rays and heat
- In full intensity sunlight → rapidly inactivated (half-life 2-3 mins)
- At 37 C, inactivated within 1–3 days
- More stable in low temperature and low humidity → indoor environment
- Remains infectious after multiple freeze-thaw cycles (up to 7 cycles)



SARS-CoV-2 Transmission

Inhalation
Droplets and aerosol particles

Contact

Direct and indirect

SARS-CoV-2 Transmission through inhalation at distances > 6 feet from an infectious source

- Enclosed spaces with inadequate ventilation or air handling
- Increased exhalation:
 - Exercising, shouting, singing
- Prolonged exposure: > 15 minutes









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