



Comparison Chart of COVID-19 and Influenza

	COVID-19	Influenza
Presentation	<ul style="list-style-type: none"> <li>respiratory diseases with a wide range of illness from asymptomatic or mild through to severe disease and death</li> </ul>	<ul style="list-style-type: none"> <li>respiratory disease with a wide range of illness from asymptomatic or mild through to severe disease and death</li> </ul>
Mode of Transmission & Public Health Measures	<ul style="list-style-type: none"> <li><b>spread through contact, droplets and fomites</b></li> <li>prevention includes hand hygiene and good respiratory etiquette</li> </ul>	<ul style="list-style-type: none"> <li><b>spread through contact, droplets and fomites</b></li> <li>prevention includes hand hygiene and good respiratory etiquette</li> </ul>
Median incubation period (time from infection to appearance of symptoms)	<ul style="list-style-type: none"> <li>estimated at 5 days</li> </ul>	<ul style="list-style-type: none"> <li>1-4 days, mean of 2 days</li> </ul>
Serial interval (time between successive cases)	<ul style="list-style-type: none"> <li>estimated to be 5-6 days</li> </ul>	<ul style="list-style-type: none"> <li>3 days</li> <li>can spread faster than COVID-19</li> </ul>
Major driver of transmission	<ul style="list-style-type: none"> <li><b>adults</b> (children are infected from adults)</li> </ul>	<ul style="list-style-type: none"> <li>first 3-5 days of illness/pre-symptomatic transmission</li> <li><b>children</b> (adults are infected from children)</li> </ul>
Severity	<ul style="list-style-type: none"> <li>80% of infections are mild or asymptomatic</li> <li>15% are severe infection requiring oxygen</li> <li>5% are critical infections requiring ventilation.</li> </ul>	<ul style="list-style-type: none"> <li>burden of influenza varies every year</li> <li>globally, an estimated 0.3% to 0.5% of influenza cases are severe</li> </ul>
Most at risk	<ul style="list-style-type: none"> <li>older age</li> <li>underlying conditions</li> </ul>	<ul style="list-style-type: none"> <li>children</li> <li>pregnant women</li> <li>elderly</li> <li>underlying/chronic medical conditions</li> <li>immunosuppressed</li> </ul>
Mortality	<ul style="list-style-type: none"> <li><b>higher (3-4%) than for influenza</b> (especially seasonal influenza)</li> </ul>	<ul style="list-style-type: none"> <li><b>usually well below 0.1%</b></li> <li>determined by access to and quality of health care</li> </ul>
Treatment	<ul style="list-style-type: none"> <li>number of therapeutics currently in clinical trials in China</li> <li>more than 20 vaccines in development</li> <li><b>currently no licensed vaccines or therapeutics</b></li> </ul>	<ul style="list-style-type: none"> <li>antivirals and vaccines available</li> </ul>

## References

Annals of Internal Medicine. (2020). The incubation period of coronavirus disease 2019 (COVID-19) from publicly reported confirmed cases: estimation and application. Available at, <https://annals.org/aim/fullarticle/2762808/incubation-period-coronavirus-disease-2019-covid-19-from-publicly-reported>

National Advisory Committee on Immunization. (2020). Canadian Immunization Guide chapter on influenza and statement on seasonal influenza vaccine for 2019-2020. Available at, <https://www.canada.ca/content/dam/phac-aspc/documents/services/publications/healthy-living/canadian-immunization-guide-statement-seasonal-influenza-vaccine-2019-2020/NACI Stmt on Seasonal Influenza Vaccine 2019-2020 v12.3 EN.pdf>

Ontario Ministry of Health. (2020). Appendix A: Disease-specific chapters Influenza. Available at, [http://www.health.gov.on.ca/en/pro/programs/publichealth/oph\\_standards/docs/influenza\\_chapter.pdf](http://www.health.gov.on.ca/en/pro/programs/publichealth/oph_standards/docs/influenza_chapter.pdf)

Registered Nurses' Association of Ontario. (2020). Daily Updates available at, [https://myrnao.ca/daily\\_situational\\_reports\\_from\\_ontarios\\_moh\\_eoc](https://myrnao.ca/daily_situational_reports_from_ontarios_moh_eoc)

