

# Transmission times for an infectious dose of Covid-19

According to the CDC, a non-mask wearing, uninfected person can be infected with Covid-19 within 15 minutes if standing within 6 feet of an unmasked infected person. Here's a table showing infection times when persons are wearing protective face coverings.

**PERSON NOT INFECTED IS WEARING...**

		Nothing	Cloth mask	Surgical mask	N95
<b>PERSON INFECTED IS WEARING...</b>	Nothing	15 minutes	20 minutes	30 minutes	2.5 hours
	Cloth mask	20 minutes	27 minutes	40 minutes	3.5 hours
	Surgical mask	30 minutes	40 minutes	1 hour	5 hours
	N95	2.5 hours	3.3 hours	5 hours	25 hours*

\*Result is for a non fit-tested N95 mask (10% leakage). A fit-tested N95 has a leakage of 1% and will result in 2,500 hours of transmission time.

Source: Centers for Disease Control

John Blanchard / The Chronicle