Definitions Criteria	Education	Triage	Management	Follow-up
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## Adult Ambulatory COVID-19 & Influenza Clinical Algorithm

These generic, basic, and non-institution-specific guidelines do not replace good clinical judgment, but rather serve to inform clinicians across a broad spectrum of training and risk stratify patients with this illness. This information is not a substitute for the practice of medicine nor for the provision of any medical professional services.

For additional guidance visit https://covidprotocols.org/ or https://covid19treatmentguidelines.nih.gov/.

		<b>Definitions</b>				
COVID-19	• Cough (50%	)				
Symptoms	• Fever (43%)					
(% frequency)	Myalgias (36					
	Dyspnea (ne	w or worsening over baselir	ne) (2	29%)		
Incubation up to	Headache (3		, ,			
14 days post	• Sore throat (	,				
exposure (median	Diarrhea (19					
= 5–6 days)	Nausea/vom					
	<ul> <li>Diarrhea (19%)</li> </ul>					
	Loss of smel	I (anosmia) or altered taste	(dys	geusia) (<10%)		
<b>Risk Factors</b>	<ul> <li>&gt; 50 years o</li> </ul>	ld	•	Liver Disease		
	• BMI > 30		•	Neurologic conditions (e.g. dementia)		
	• DM		•	Smoking		
	<ul> <li>CHF, CVD, 0</li> </ul>	CAD, Cardiomyopathy, HTN	•	Sickle cell disease, thalassemia		
	• Cancer			Cystic Fibrosis		
	CKD			Pregnancy to 2 weeks postpartum		
<ul><li>COPD, Asth</li><li>Immunocom</li></ul>		ma	•	Resident of long-term care facility		
		promised (e.g. HIV w/ CD4		Influenza only: Children < 5 years or <19		
	<200, taking imi	munosuppressants)		on long-term ASA therapy		
Respiratory		<u>History</u>		Initial Assessment		
Assessment		breathing today?"	Exp	pose pt chest and assess for:		
	"What makes you breathless now that			Cyanosis		
	didn't make you breathless yesterday?"			Chest retractions		
	• "Are you breathing harder or faster than			Tachypnea		
	usual when sitting still?"		•	Dyspnea (Able to speak in full sentences at rest?)		
	<ul> <li>"Can you no longer do your usual</li> </ul>		•	<ul> <li>Single Breath Count Test: Seated pt fully inhale</li> </ul>		
	household activities due to shortness of			and count to highest number possible at 2 beats/sec.		
	breath?"			(Abnormal < 20).		
	<ul> <li>"Does walking</li> </ul>	g cause you to feel dizzy?"	•	<ul> <li>RR, HR, and O<sub>2</sub> Sat</li> </ul>		
Dyspnea	Mild	Interferes with daily activit	ies			
Severity		(E.g. mild SOB w/ 1–2 flights of		s or walking briskly)		
2	Moderate	Limitation to daily activities	5			
		(E.g. single breath count test <20		eds to rest after 1 flight of stairs, interferes with meal		
		prep, light housekeeping)				
	Severe	SOB at rest				
			te sei	ntences, interferes with basic activities such as		
		toileting and dressing)				

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# Criteria for Next Level of Care

Indications for Testing	Influenza & SARS-CoV-2 SARS-CoV-2	<ul> <li>Exposure of at least 15 mins cumulative over 24h at &lt; 6 ft, within 14 days to someone newly diagnosed with COVID-19, or</li> <li>Exposure to someone with influenza <a>4 days, or</a></li> <li>Has active symptoms of COVID-19 and/or influenza</li> <li>Asymptomatic Essential Worker (<i>e.g. HCW</i>) who travelled out of state for more than 24 hours or to a foreign country within last 14 days.</li> </ul>
Refer to ED (Any of the following)		erate dyspnea above baseline cern of alterations in mental status (e.g. newly confused, difficult to arouse) of hypoperfusion or hypoxia (e.g. falls, hypotension, cyanosis, anuria, chest pain) <u>Risk Factor(s):</u> onset mild dyspnea ell appearing ing/exertional $O_2$ Sat $\leq$ 94 or RR $\geq$ 22 at $\geq$ 95 and HR $\geq$ 110 / exertional HR $\geq$ 125 to increase supplemental $O_2$ to stay $\geq$ 95 out Risk Factor(s): ing/exertional $O_2$ Sat $\leq$ 90 at $\leq$ 94 and HR $\geq$ 110 / exertional HR $\geq$ 125 to increase supplemental $O_2$ to stay $\geq$ 95
Expedited Clinical Evaluation (<24 hours )	<ul> <li>resources, timeliness</li> <li><u>All Patients:</u></li> <li><u>Patients with</u></li> </ul>	but choice between in-person vs. telehealth initial evaluation may vary based on available of follow-up, or level of community spread. Any concerning s/sx but not enough to warrant ED referral (e.g. mild orthostasis) <u>Risk Factor(s)</u> : Worsening symptoms (especially after day 7 of illness) out Risk Factors: Mild dyspnea or resting/exertional O <sub>2</sub> Sat 91–94
Short-Term/ Telehealth Follow-up (Any of the following)	<ul><li>On home sup</li><li>Any active dy</li></ul>	rom hospital or referred from the emergency department oplemental O <sub>2</sub> /spnea or concern about severity of symptoms ut patient's ability to self-monitor or self-report

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## Patient Education for Suspected COVID-19

HOME ISOLATION FOR PATIENTS TESTING POSITIVE FOR SARS-COV-2 OR INFLUENZA (CDC Guidelines)

Immunocompetent patients who test positive for SARS-CoV-2 should be advised to isolate at home until they have met the following requirements:

- **At least 10 days** have passed since symptom-onset, or if no symptoms are present, then at least 10 days since the first positive test.
- At least 24 hours without fever, without the use of antipyretics.
- Marked improvement in symptoms (e.g. cough, shortness of breath)
- Severely immunocompromised patients or patients who had severe COVID-19 illness should be advised to isolate for **at least 20 days from symptom onset**, and meet the additional requirements described above.
- Patients who **test positive for influenza** should be advised to stay at home and avoid contact with others until at least 24 hours without fever off antipyretics.

### HOME QUARANTINE FOR PATIENTS EXPOSED TO SARS-COV-2 OR INFLUENZA (CDC Guidelines)

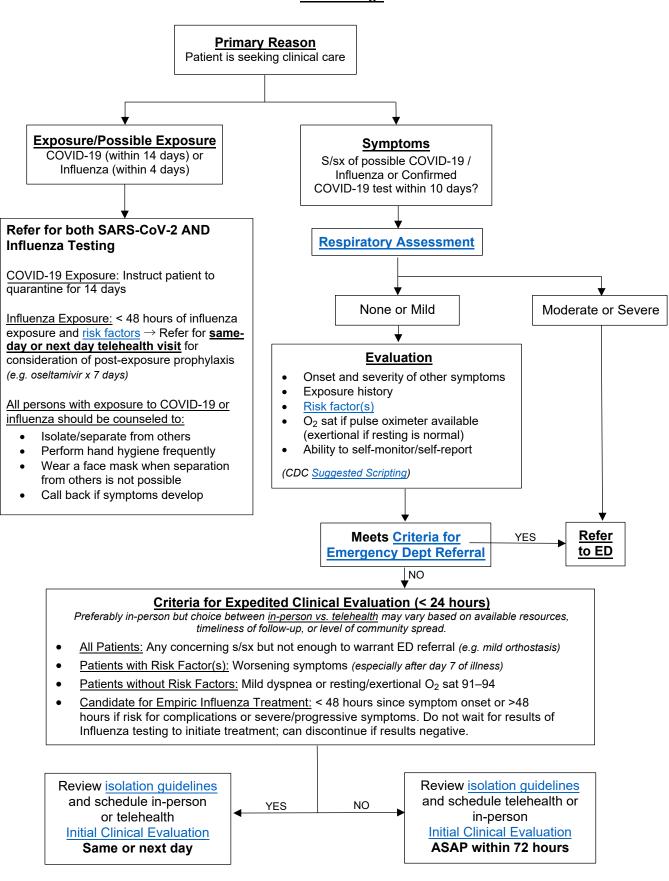
- Patients who had exposure within the past 14 days to someone newly diagnosed with COVID-19 should be advised to quarantine at home for 14 days after their last COVID-19 exposure.
- All persons with exposure to COVID-19 or influenza should be given recommendations to:
  - o Stay home and avoid contact with others if symptoms develop
  - Perform hand hygiene frequently
  - Wear a face mask or face covering when unable to practice social distancing
  - Practice respiratory etiquette (e.g. cover mouth and nose when coughing or sneezing)

### BREASTFEEDING FOR MOTHERS SUSPECTED OR DIAGNOSED WITH COVID-19 (CDC Guidelines)

- Follow isolation guidelines above
- Breast milk is the best source of nutrition for most infants. We do not know whether mothers with COVID-19 can transmit the virus via breast milk, but the limited data available suggest this is not likely. (*AAP*)
- Whether and how to start or continue breastfeeding should be determined by the mother in coordination with her family and healthcare providers.
- A mother with confirmed COVID-19 should be counseled to take precautions to avoid spreading the virus to her infant, including <u>handwashing</u> and <u>wearing a face mask or covering</u>.
- Separation may be necessary for neonates at higher risk of severe illness (e.g. preterm infants, infants with underlying medical conditions, infants needing higher levels of care.)

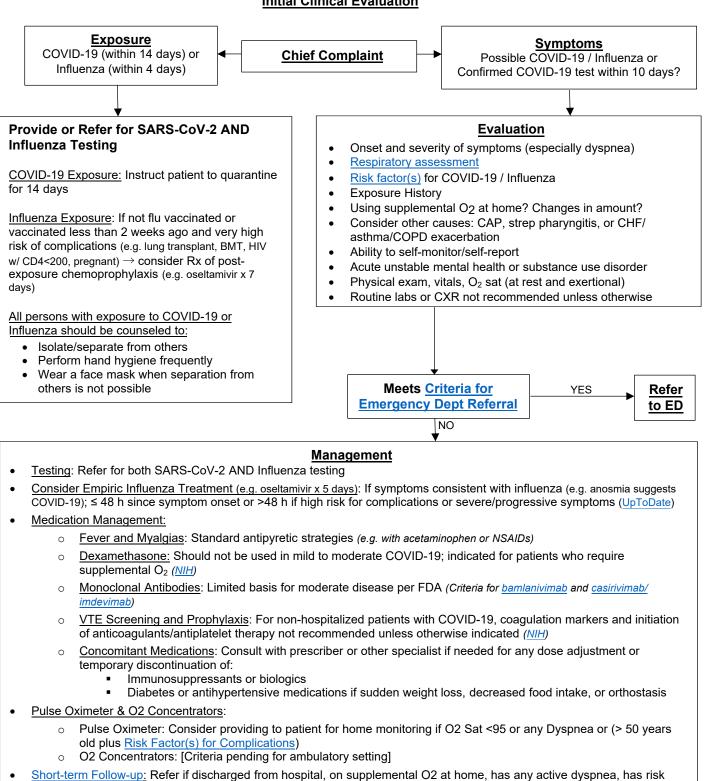
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Initial Clinical Evaluation



- factor(s), or if any concern about severity of symptoms or patient's ability to self-monitor or self-report
- <u>Acute Mental Health/Substance Use Disorder/Housing or Food Insecurity:</u> Consult social work
- Provide <u>Breathing Exercises</u> to help with dyspnea

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