

SBCHC COVID-19 Result Interpreter & Clinical Suspicion Meter: EHR Clinical Decision Support Tool

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SBCHC COVID-19 POST-TEST COUNSELING GRID

	+ COVID-19 RESULT	– COVID-19 RESULT	
		Pediatric patient (0-17 yrs):	Adult patient (18+ yrs):
+ COVID-19 SYMPTOMS*	[Patient Name] was informed of this positive COVID-19 test result. Counseling was given to Isolate for 10 days from Day 1 of Symptoms and let us know if any symptoms worsen or develop. For clearance from isolation after 10 days, the patient must be 24 hours fever-free with respiratory symptoms improving. People who had an Exposure to this patient need to Quarantine for 14 days from their most recent exposure. The patient's local public health department will need to provide clearance because of the positive COVID-19 test result.	[Client/Caregiver] was informed of this negative COVID-19 test result. Counseling was given for household to quarantine until patient is 24 hours fever-free without antipyretics and all symptoms are improving. Exception: A provider may clear the child to return to school sooner with a medical letter of clearance if there is another reasonable diagnosis.	Had an Exposure: [Patient Name] was informed of this negative COVID-19 test result. Due to symptoms and a known exposure, counseling was given to isolate for at least 10 days from Day 1 of Symptoms. For clearance from isolation after 10 days, the patient must be 24 hours fever-free with respiratory symptoms improving. People who had an Exposure to this patient need to quarantine for 14 days from their most recent exposure.
			No Exposure: Refer to COVID-19 Clinical Suspicion Meter** . MA DPH recommends accepting a negative COVID-19 result while COVID-19 prevalence is <5% as of 7/3/20.
– COVID-19 SYMPTOMS*	[Patient Name] was informed of this positive COVID-19 test result. Counseling was given to Isolate for 10 days from the date of the test and let us know if any symptoms develop. For clearance from isolation after 10 days, the patient must remain asymptomatic. People who had an Exposure to this patient need to Quarantine for 14 days from their most recent exposure. The patient's local public health department (BPHC if Boston resident) will need to provide clearance because of the positive COVID-19 test result.	Had an Exposure: [Patient Name] was informed of this negative COVID-19 test result. Because of a known exposure, counseling was given for the patient to quarantine for 14 days from last exposure. People who had an Exposure to this patient need to quarantine for 14 days from their most recent exposure. Asymptomatic people infected with COVID-19 can still spread the disease to others. If the patient has household members, to reduce risk of transmission during quarantine, the patient should socially distance and wear a mask around household members, wash hands frequently, and ensure good ventilation.	No Exposure: [Patient Name] was informed of this negative COVID-19 test result and that quarantine is NOT required given no exposure or symptoms.

****COVID-19 CLINICAL SUSPICION METER:**

High Clinical Suspicion (likely COVID-19)	Loss of smell/taste or both (alone or in combination with other symptoms) is considered likely due to COVID-19. Absence of these symptoms does NOT rule out COVID-19.
Medium Clinical Suspicion (may / may not be COVID-19)	<ol style="list-style-type: none"> 1. The triad of fever, chills, and myalgias, AND/OR 2. Acute dry cough and shortness of breath*, AND/OR 3. Multiple of the below symptoms.
Low Clinical Suspicion (not specific to COVID-19)	One of the following symptoms: productive cough, sore throat, fatigue, runny nose, congestion, joint aches, headache (especially with migraine syndrome), rash, conjunctivitis, diarrhea, vomiting, nausea, abdominal pain.

**Chronic respiratory symptoms that are unchanged from baseline are less suspicious for COVID-19.*

Source: <https://www.cdc.gov/mmwr/volumes/69/wr/pdfs/mm6923e4-H.pdf>

COVID-19 Clinical Suspicion	Counseling & Documentation for An Adult Patient Who Is A Reliable Historian and Has A Negative COVID-19 Test, No Known COVID-19 Exposure, and HAS Symptoms
HIGH	[Patient Name] was informed of this negative COVID-19 test result. Since clinical suspicion is high, counseling was given to isolate for 10 days from Day 1 of Symptoms and let us know if any symptoms worsen or develop. For clearance from isolation after 10 days, the patient must be 24 hours fever-free with respiratory symptoms improving. People who had an Exposure to this patient need to quarantine for 14 days from their most recent exposure.
MEDIUM	[Patient Name] was informed of this negative COVID-19 test result. Since clinical suspicion is medium, counseling was given to continue to isolate , with the option of repeating the test in 72 hours unless isolation period is done, or symptoms have resolved. Upon a 2nd negative test, no fever for 24 hours and improving symptoms, patient can be cleared from isolation. It would be prudent for people who had an Exposure to this patient to quarantine for 14 days from their most recent exposure. Pt reports current symptoms: ***. Routing to PCP as FYI and in case of change to plan.
LOW	[Patient Name] was informed of this negative COVID-19 test result. Since clinical suspicion for COVID-19 is low, as long as symptoms are improving, the patient can be cleared from isolation on the condition that @HE@ call us right away should new or worsening symptoms develop. If symptoms persist/worsen and the patient needs clearance , the patient can be given the option of repeating the test in 72 hours unless isolation period is done, or symptoms have resolved. Upon a 2nd negative test, no fever for 24 hours and improving symptoms, patient can be cleared from isolation.

KEY TO RISK OF INFECTIOUSNESS:

High Risk Infectiousness	Moderate-High Risk Infectiousness	Low-Moderate Risk Infectiousness	Low Risk Infectiousness
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Risk of infection increases with a known COVID-19 exposure and is highest in a symptomatic person with a known exposure. Asymptomatic individuals can spread COVID-19 through close contact (<6 feet, no mask, >15 minutes). Asymptomatic infections may not all progress to clinical disease. Because COVID-19 is a “stealthy spreader”, everyone should practice social distancing (6 feet or greater) and wear a mask in public when social distancing is not an option. Group gatherings should be small and outdoors, and individuals at high risk of poor outcomes from COVID-19 infection are encouraged to avoid group gatherings altogether.

* COVID-19 SYMPTOMS include:

- **Adult:** include fever, cough, myalgia (generalized muscle aches) or fatigue, shortness of breath, or conjunctivitis. Less commonly reported respiratory symptoms include sore throat, headache, cough with sputum production and/or hemoptysis. Some patients have experienced gastrointestinal symptoms such as diarrhea and nausea prior to developing fever and lower respiratory tract signs and symptoms.
- **Pediatric:** may be milder than adults, with most pediatric patients presenting with fever, cough, congestion, and rhinorrhea. More severe presentations may include fever ≥ 3 days, GI symptoms, rash, lethargy or mental status change, trouble breathing, hypotension, or shock.

OPERATIONAL DEFINITIONS:

Exposure: At SBCHC, an Exposure (AKA a “Close Contact”) is defined as someone who has spent longer than 15 minutes at less than 6 feet from a person with a positive COVID-19 test result if either one or both people were not wearing a mask. **Exception:** *someone wearing a properly fitted N95 mask who has spent more than 15 minutes at less than 6 feet from a COVID-19 positive person is not considered exposed to COVID-19.*

Isolation: Staying inside a dedicated room/space in the house as much as possible, apart from the bathroom and kitchen which should be accessed only when needed with a mask on and only after good hand washing (20 second with soap and water). Ventilate daily by opening windows weather-permitting.

Quarantine: Staying in the house as much as possible, apart from emergencies and medical appointments. Household members should wear masks when social distancing inside the home space is not possible. Ventilate daily by opening windows weather-permitting.