

# COVID-19 - Exposure

Pediatric After-Hours Version 2021

## DEFINITION

- Exposed (close contact) to a person who has been diagnosed (confirmed by testing) or suspected to have COVID-19
- Exposure means close contact with a diagnosed (confirmed) or suspected case of COVID-19.
- Person is well and has NO COVID-19 symptoms (cough, fever, shortness of breath or others).
- For symptomatic suspected COVID-19 patients, use the COVID-19 Diagnosed or Suspected guideline.
- **Also included:** Questions about COVID-19
- **Updated:** May 4, 2021

### COVID-19 Fully Vaccinated Exposed Patients who are Asymptomatic:

- COVID-19 vaccines approved by the FDA are highly effective. Research data has confirmed that protective antibody levels are still high at 6 months after completing the vaccine series (April 2021).
- Experts predict the protection may persist for 12 months or longer.
- This guideline leaves *fully vaccinated asymptomatic* exposed patients as Call PCP when Office is Open to see if testing is needed. No quarantine needed. (Note: a *fully vaccinated* patient means 2 weeks have passed since the final dose).
- Each call center medical director will need to consider this decision based on changes in variants and future vaccine data.

### CLOSE CONTACT (EXPOSURE) to COVID-19 Definition:

#### CLOSE CONTACT:

- Living in the same house (household contacts) or visiting with a person with confirmed or suspected COVID-19. Household contacts have the highest risk for transmission.
- Being within 6 feet (2 meters) of a confirmed or suspected COVID-19 case for a total of 15 minutes or more over a 24-hour period. (CDC). Examples of such close contact include kissing or hugging, sharing eating or drinking utensils, carpooling, or close conversation.
- OR having direct facial contact with infectious secretions of a confirmed COVID-19 case (e.g., being coughed on) (CDC)

#### COMMUNITY CONTACTS:

- Living in or travel from a city, country or other geographic area where there is documented person-to-person transmission (community spread) of confirmed COVID-19 carries a small risk.
- This risk increases as community spread increases. This is due to the increased chance of unknowingly experiencing close contact with a COVID-19 sick patient.
- The risk also increases if not wearing a mask

#### NOT CLOSE CONTACT (LOW RISK EXPOSURE):

- Walking by a person who has COVID-19 carries no risk.
- Being outdoors and observing safe distancing (greater than 6 feet).
- Being in the same school, workplace, place of worship or building as ONE person with COVID-19

carries a small risk. This risk increases once multiple people in that setting develop COVID-19.

## INITIAL ASSESSMENT QUESTIONS

1. COVID-19 PATIENT: "Who is the person with confirmed or suspected COVID-19 infection that your child was exposed to?"
2. PLACE of CONTACT: "Where was your child when they were exposed to the patient?" (e.g. home, school, child care)
3. TYPE of CONTACT: "What type of contact was there?" (e.g. talking to, sitting next to, same room, same building) Note: within 6 feet (2 meters) for 15 minutes is considered close contact.
4. DURATION of CONTACT: "How long were you or your child in contact with the COVID-19 patient?" (e.g., minutes, hours, live with the patient) Note: a total of 15 minutes or more over a 24-hour period is considered close contact.
5. MASK: "Was your child wearing a mask?" Note: wearing a mask reduces the risk of an otherwise close contact.
6. DATE of CONTACT: "When did your child have contact with a COVID-19 patient?" (e.g., how many days ago)
7. COMMUNITY SPREAD: Note to triager - often not relevant. "Are there lots of cases or COVID-19 (community spread) where you live?" (See public health department website, if unsure)
8. SYMPTOMS: "Does your child have any symptoms?" (e.g., fever, cough, breathing difficulty, loss of taste or smell, etc.) (Note to triager: If symptoms present, go to COVID-19 Diagnosed or Suspected guideline)
9. TRAVEL: Note to triager - Rarely relevant with existing community spread and travel restrictions. "Have you and/or your child traveled internationally recently?" If so, "When and where?" (Note: this becomes irrelevant if there is widespread community transmission where the patient lives)

- Author's note: IAQ's are intended for training purposes and not meant to be required on every call.

## TRIAGE ASSESSMENT QUESTIONS

### See More Appropriate Guideline

[1] Symptoms of COVID-19 (cough, SOB or others) AND [2] lab test positive

*Go to Guideline: COVID-19 - Diagnosed or Suspected (Pediatric)*

[1] Symptoms of COVID-19 (cough, SOB or others) AND [2] recent household exposure to known influenza (flu test positive)

*Go to Guideline: Influenza (Flu) - Seasonal (Pediatric)*

[1] Symptoms of COVID-19 (cough, SOB or others) AND [2] HCP diagnosed COVID-19 based on symptoms

*Go to Guideline: COVID-19 - Diagnosed or Suspected (Pediatric)*

[1] Symptoms of COVID-19 (cough, SOB or others) AND [2] lives in area or has recently traveled to an area with high community spread

*Go to Guideline: COVID-19 - Diagnosed or Suspected (Pediatric)*

[1] Symptoms of COVID-19 AND [2] within 14 days of possible close contact with diagnosed or suspected COVID-19 patient

*Go to Guideline: COVID-19 - Diagnosed or Suspected (Pediatric)*

[1] Positive COVID-19 test AND [2] NO symptoms (asymptomatic patient)

*Go to Guideline: COVID-19 - Diagnosed or Suspected (Pediatric)*

[1] Difficulty breathing (or shortness of breath) AND [2] onset > 14 days after COVID-19 exposure (Close Contact) AND [3] no community spread where patient lives

*Go to Guideline: Breathing Difficulty (Respiratory Distress) (Pediatric)*

[1] Cough AND [2] onset > 14 days after COVID-19 exposure AND [3] no community spread where patient lives

*Go to Guideline: Cough (Pediatric)*

[1] Common cold symptoms AND [2] onset > 14 days after COVID-19 exposure AND [3] no community spread where patient lives

*Go to Guideline: Colds (Pediatric)*

COVID-19 vaccine reactions or questions

*Go to Guideline: Immunization Reactions (Pediatric)*

### **Call PCP when Office is Open**

[1] Close contact with diagnosed or suspected COVID-19 patient AND [2] within last 14 days BUT [3] COVID-19 vaccine series completed (fully vaccinated)

*Reason: PCP will discuss if testing is needed. Risk of developing COVID-19 is highly unlikely.*

*CA: 61, 18, 15, 12, 23, 1*

[1] Close contact with diagnosed or suspected COVID-19 patient AND [2] within last 14 days BUT [3] NO symptoms

*Reason: Home quarantine recommended. PCP will discuss if testing is needed.*

*CA: 61, 25, 15, 9, 12, 16, 17, 23, 1*

[1] Close contact with diagnosed or suspected COVID-19 patient within last 14 days AND [2] needs COVID-19 lab test to return to essential work force or school setting AND [3] NO symptoms

*Reason: PCP will discuss testing.*

*CA: 61, 11, 15, 25, 9, 12, 16, 17, 23, 1*

[1] School notification about school "exposure" to COVID-19 AND [2] unknown if true close contact occurred AND [3] school requesting test to come back AND [4] NO symptoms in caller's child

*Reason: Asymptomatic patients may need testing 5-7 days after true exposure. PCP will discuss testing.*

*CA: 61, 15, 11, 25, 9, 12, 16, 17, 23, 1*

### **Home Care**

[1] Close contact with diagnosed or suspected COVID-19 patient AND [2] 15 or more days ago AND [3] NO symptoms

*Reason: Asymptomatic for 14 days. Risk of developing COVID-19 infection has passed. Reassure and discontinue quarantine.*

CA: 58, 2, 36, 1

[1] Living in high risk area for COVID-19 community spread (identified by local PHD) BUT [2] NO symptoms

*Reason: follow local PHD directives regarding staying at home, etc.*

CA: 58, 24, 4, 6, 7, 8, 28, 1

[1] Travel from high risk area for COVID-19 community spread (identified by CDC) AND [2] within last 14 days BUT [3] NO symptoms

*Reason: May need home quarantine.*

CA: 58, 26, 8, 9, 10, 23, 1

[1] Caller concerned that COVID-19 exposure occurred BUT [2] does not meet CDC criteria for close contact

*Reason: unrealistic fear of exposure and needs reassurance*

CA: 58, 38, 39, 26, 40, 41, 36, 1

COVID-19 Testing, questions about who needs it

CA: 58, 27, 39, 40, 41, 36, 1

COVID-19 Prevention, questions about

CA: 58, 7, 34, 37, 29, 30, 31, 36, 1

COVID-19 Disease, questions about

*Reason: Refer most callers to CDC website: <https://www.cdc.gov/coronavirus>*

CA: 58, 45, 3, 4, 5, 6, 7, 37, 8, 43, 36, 1

ALSO, COVID-19 Maternal Illness and Breastfeeding questions

CA: 58, 13, 14, 1

## CARE ADVICE (CA) -

1. **Care Advice** given per COVID-19 - Exposure (Pediatric) guideline.
2. **Reassurance and Education - No Symptoms and Day 15 or Later:**
  - The COVID-19 infection starts within 14 days of an exposure.
  - Your child developed no symptoms of respiratory infection (such as fever or cough) during the 14 days after an exposure.
  - Your child should be safe from getting COVID-19.
  - If your child has been on home isolation, it can be discontinued.

3. **COVID-19 Outbreak:**
  - COVID-19 stands for Coronavirus disease 2019.
  - Cause: The name of the new virus is SARS-CoV-2.
  - An outbreak of this infection began in Wuhan, China in early December 2019.
  - The first COVID-19 patient in the United States was reported on January 21, 2020. During March, cases were identified in all states.
  - The first COVID-19 patient in Canada was reported on January 31, 2020.
  - The World Health Organization (WHO) declared COVID-19 a global pandemic on March 11, 2020.
  - The Centers for Disease Control and Prevention (CDC) is considered the source of truth. This continues to be a rapidly changing situation and recommendations from the CDC are being updated daily.
  - See: <https://www.cdc.gov/coronavirus>
4. **COVID-19 Symptoms:**
  - COVID-19 coronavirus causes a respiratory illness. The most common symptoms are cough and fever. Some patients progress to shortness of breath.
  - Other common symptoms are chills, shivering (shaking), sore throat, runny nose, muscle pain, headache, loss of smell and taste.
  - The CDC also includes the following less common symptoms: fatigue (tiredness), nausea, vomiting and diarrhea.
5. **COVID-19 - CDC Definition of Exposure (Close Contact):**
  - You are at risk of getting COVID-19 if the following has occurred:
  - Close contact with a person who tested positive for COVID-19 AND contact occurred while they were ill.
  - CDC Definition of close contact: within 6 feet (2 meters) for a total of 15 minutes or more over a 24-hour period. Prolonged close contact would extend the risk to the 48 hours prior to the person becoming ill with symptoms.
  - The CDC (<https://www.cdc.gov/coronavirus>) has the most up-to-date list of where COVID-19 outbreaks are highest.
6. **COVID-19 - How it is Spread:**
  - COVID-19 is spread from person to person.
  - The virus spreads when respiratory droplets produced when a person coughs, sneezes, shouts or sings. The infected droplets can then be inhaled by a nearby person or land on the surface of their face or eyes. Droplets fall quickly to the floor or ground. This is how most COVID is spread.
  - Most infected people also have respiratory secretions on their hands. These secretions get transferred to healthy people on doorknobs, faucet handles etc. The virus then gets transferred to healthy people when they touch their face or rub their eyes. This is a less common cause of spread.
  - These methods are how most respiratory viruses spread.
  - Aerosols are tiny, invisible particles that can float in the air for 1 to 2 hours. They only occur in a closed room with poor ventilation. Aerosols are a rare cause of COVID-19 transmission. (CDC and WHO). Evidence: within household units, only 30% of contacts get infected.

7. **COVID-19 - How to Protect Yourself and Family from Catching It - The Basics:**
  - Get the COVID-19 vaccine. It is your best protection against this serious infection.
  - Avoid close contact with people outside your family unit. Avoid closed spaces (indoors) when possible and all crowds (even outdoors).
  - Always wear a face mask when you leave your home. Also, observe social (safe) distancing.
  - **Wash hands often with soap and water (very important).** Always do before you eat.
  - Use an alcohol-based hand sanitizer if water is not available. Remember: soap and water work better.
  - Don't touch your eyes, nose or mouth unless your hands are clean. Germs on the hands can get into your body this way.
  - Don't share glasses, plates or eating utensils.
  - No longer shake hands. Greet others with a smile and a nod.
  - If your child needs to be seen for an urgent medical problem, do not hesitate to go in. ERs and urgent care sites are safe places. They are well equipped to protect you against the virus. For non-urgent conditions, talk to your doctor's office first.
8. **COVID-19 - Travel:**
  - Avoid all non-essential travel.
  - If you must travel, go to CDC website for updates on travel advisories: <https://www.cdc.gov/coronavirus>.
9. **Measure Temperature:**
  - Measure your child's temperature 2 times each day.
  - Do this until 10 days after exposure to COVID-19.
  - If fever occurs, call back.
10. **Quarantine (Isolation) at Home after High-Risk Travel:**
  - *Isolation will definitely be needed if your child develops a cough or fever within 14 days of COVID-19 exposure.*
  - For patients without symptoms, home quarantine after travel also is usually required. Call your PCP for specific instructions.
  - Until you talk with your PCP, isolate your child at home. Do not go to stores, restaurants, places of worship or other public places. Do not allow any visitors (such as friends).
11. **Lab Test Needed to Return to Work or School:**
  - You had close contact with a COVID-19 patient in the last 14 days.
  - Your employer (or school) wants you to have a COVID-19 lab test before you can return.
  - The test has to be negative.
  - So far you have not developed any symptoms, but could still be carrying the virus.
  - Your doctor will help you with your testing questions.
  - Some offices do COVID-19 lab tests. Call them during office hours.

12. **Watch for Other COVID-19 Symptoms:**
  - The most common symptoms are cough, fever and shortness of breath (trouble breathing)
  - Other common symptoms are chills, shivering (shaking), sore throat, runny nose, muscle pain, headache, loss of smell and taste.
  - The CDC also includes the following less common symptoms: fatigue (tiredness), nausea, vomiting and diarrhea.
  - Some rare symptoms are a widespread red rash with red eyes, red lips and red palms/soles. This almost always occurs with several days of fever.
  - Other rare symptoms are red or purple toes ("COVID toes").
  - If any of these symptoms occur, call back.
  - Early detection of symptoms and home isolation is the only way to reduce spread of the disease.
  
13. **Breastfeeding and COVID-19:**
  - Breastfeeding experts recommend you continue to breastfeed even if you are sick with COVID-19. (AAP)
  - Wash your hands before feeding your baby.
  - The CDC recommends wearing a face mask or covering. Be careful to avoid coughing on your baby.
  - Breastmilk gives beneficial antibodies your body is making against this illness to your baby. This should provide some protection against this illness for your baby, like it does for influenza and most other viral illnesses.
  - Research has shown that the virus is not passed through breastmilk.
  - Breastfeeding mothers are also encouraged to get the COVID-19 vaccine. (CDC)
  
14. **Call Back If:**
  - Breastfeeding isn't going well
  - Your baby becomes sick
  
15. **COVID-19 Testing if NO Symptoms - Talk with Your Health Care Provider:**
  - For questions about testing, call your doctor during office hours.
  - The availability of testing and where to get it can be different for every community.
  - National, state and local (school) recommendations sometimes change.
  - Doctors may order a test about 5 to 7 days after known exposure if your child continues to be without symptoms. (CDC). Testing done during the first 5 days after exposure will usually be negative.
  - Testing should be done sooner if your child develops symptoms after known exposure.
  - Testing not needed following exposure: Children who had a lab test confirmed COVID- 19 infection within the last 3 months (90 days).(CDC)

16. **Home Quarantine (Isolation) Is Needed:**
- Quarantine (sometimes called isolation) means separating people exposed to a contagious disease from people who have not been exposed (CDC) . The quarantine period is usually 10 days if symptoms do not occur. (CDC) Call your PCP for specific instructions regarding timeframe for quarantine.
  - **EXCEPTION for Exposure with NO symptoms:** If you are vaccinated and 2 weeks have passed since your final dose, you do not have to quarantine for 10 days after close contact with a COVID-19 infected person.
  - Living with a suspected COVID-19 patient implies close contact has occurred. In this case, both patient and family members should stay home on isolation and quarantine.
  - Until you talk with your PCP, isolate your child at home. Do not go to stores, restaurants, places of worship or other public places. Do not allow any visitors (such as friends).
  - The patient does not need to be confined to a single room. Reason: Preventing spread of respiratory infections within a home is nearly impossible.
  - The sick person should try to avoid very close contact with other family members. That includes hugging, kissing, sitting next to or sleeping in the same bed. None of this is realistic for young children.
  - Older children and adults with symptoms may consider wearing a mask in common household areas.
  - Note to Triager: Many families have limited options. Triagers should individualize their recommendations for isolation after discussing it with the caller.
  - **Isolation Questions for Your PCP:** Home isolation can be complicated. A parent may need to return to work. Someone in the household may be elderly or have a serious medical problem. If you have additional questions, call your doctor during office hours. Your doctor is the best resource for up-to-date information on COVID-19.
17. **Stopping Home Quarantine or Isolation (CDC):**
- Exposed people who don't develop symptoms must stay at home for 10 days.
  - Period of quarantine starts on the date of last exposure.
  - Shorter quarantine option for asymptomatic people: If they get a negative COVID-19 lab test on day 5 to 7 after exposure, can leave quarantine after day 7. (CDC). This helps essential workers return to the work force more quickly.
18. **Reassurance and Education - Close Contact but Fully Vaccinated:**
- You have told me that your child is fully vaccinated against COVID-19 and 14 or more days have passed since the last shot.
  - Your child is greatly protected against the infection. The risk of getting infected is very low.
  - They do not need to quarantine.
  - However, you DO need to monitor for any fever or other COVID-19 symptoms for 14 days following the last day of exposure.
  - You probably won't need testing, but discuss that with your PCP.
19. **Wash Your Hands with Soap and Water:**
- Wash your hands and face frequently with soap and water.
20. **Call Back If:**
- Breathing difficulty occurs
  - Your child becomes worse

21. N/A
22. N/A
23. **Call Back If:**
  - Fever occurs within 14 days of COVID-19 exposure
  - Cough or difficulty breathing occur within 14 days of COVID-19 exposure
  - Other symptoms of COVID-19 infection occur
  - You have other questions
24. **Reassurance and Education - Areas with High Community Spread:**
  - Living in an area where there is widespread community spread of COVID-19 carries an increased risk of catching it.
  - The degree of risk depends on how many people have it.
  - At a minimum, wear a mask when going outside your home.
  - Practice social distancing (6 feet away from anyone who is sick or a stranger).
  - Avoid crowds.
  - Wash your hands frequently.
  - In addition, follow the directives of your local PHD or government officials.
25. **Reassurance and Education - Close Contact, No Symptoms, but Less than 14 Days:**
  - Although your child may have been or was exposed to COVID-19, your child does not currently have any symptoms. COVID-19 infections usually start within 14 days following the last exposure.
  - Since it's been less than 14 days, your child is still at risk for getting sick with it.
  - You need to watch for symptoms until 10 days have passed. Check your child's temperature two times a day. Note: the CDC used to require quarantine of exposed people for 14 days. They do require wearing a mask for 14 days or longer.
  - Keep your child on home quarantine for 10 days to protect others (CDC). Talk with your child's doctor or the local public health department if you have questions about when it is safe to return to school or work.
26. **Travel History from or Living in a High Risk Area (as identified by CDC) But No Symptoms:**
  - Living in or travel from a city, country or other geographic area where there is documented person-to-person transmission (community spread) of confirmed COVID-19 is a lower risk factor compared to close contact.
  - However, it does increase the risk of unknowingly experiencing close contact with a COVID-19 sick patient.
  - You may need COVID-19 testing if you develop a fever or cough.
  - Monitor for onset of fever or cough symptoms. After travel, you will need to measure your temperature 2 times each day for 14 days. Report the onset of fever or cough to your PCP.

27. **COVID-19 Testing - Talk with your Health Care Provider:**

- For questions about testing, call your doctor during office hours.
- The decision is a complicated one.
- The availability of testing and where to get it can be different for every community.
- National and state recommendations sometimes change.
- **Diagnostic Tests:** These are performed on nasal or mouth secretions and tell us if your child has a COVID-19 infection now. The type of diagnostic tests that are available continues to improve.
- **Diagnostic Tests for COVID-19: Recommended Timing:**
- **Symptomatic patients** - get a test within 3 days of onset of symptoms.
- **Asymptomatic patients with a COVID-19 close contact** - get a test on day 5-7 post exposure. Reason: Testing done during the first 5 days after exposure will usually be negative.
- Your doctor is the best resource for up-to-date information on diagnostic testing.
- **Antibody Tests:** These tests are different. These are performed on blood. They can sometimes tell us if there are antibodies from a previous infection. Discuss if this test would be helpful with your doctor.
- **Timing guideline for Antibody Tests:** If indicated, antibody tests are not recommended until at least 2 or 3 weeks have passed since the start of the infection (CDC). Waiting for a few weeks will give the most accurate result (highest positive rate).
- Note to Triager: Here are some facts that may answer some of the caller's questions:
- Tests for COVID-19 are mainly done on people who are sick (have symptoms of COVID-19). Tests are usually not done on people who have no symptoms unless they are a close contact.
- Testing is routinely performed on patients who have serious symptoms or are admitted to the hospital. Testing is not always done on patients with mild symptoms who don't need to be seen.
- Testing is also helpful for adults who have essential jobs or students who attend in-person school. If they develop symptoms, they need testing. A negative test may allow them to return to the work force or school sooner, namely when they no longer have symptoms.
- Repeat diagnostic tests: After a positive test, repeat tests are not recommended. Even after it is safe to stop isolation (usually 10 days), tests may stay positive for up to 90 days. A positive test does not mean the patient can spread the infection once the required isolation period is completed.
- In some locations, testing requires a HCP's order.

28. **Call Back If:**

- Fever occurs
- Cough or difficulty breathing occurs
- Other symptoms of COVID-19 infection occur
- You have other questions

29. **Keep Your Body Strong:**
- Get your body ready to fight the COVID-19 virus.
  - Get enough sleep (very important)
  - Keep your heart strong. Walk or exercise every day. Take the stairs. Caution: Avoid physical exhaustion.
  - Stay well hydrated.
  - Eat healthy meals. Avoid overeating to deal with your fears.
  - Avoid the over-use of anti-fever medicines. Fever fights infections and ramps up your immune system.
30. **Keep Your Mind Positive:**
- **Live in the present, not the future.** The future is where your needless worries live.
  - **Stay positive.** Use a mantra to reduce your fears, such as "I am strong".
  - **Get outdoors.** Take daily walks. Go to a park if you have one. Being in nature is good for your immune system.
  - **Show love.** As long as they are well, hug your children and partner frequently. Speak to them in a kind and loving voice. Love strengthens your immune system.
  - **Stay in touch.** Use regular phone calls and video chats to stay in touch with those you love.
  - **"2-Household Bubble".** To reduce social isolation, especially for young children, some families have joined up with one other family for visits. Rules: Both families must agree that they will not have social contacts with any other families. No one in either family can work outside the home. Not approved by CDC but a reasonable family decision.
31. **How to Protect Others - When You or Your Child are Sick:**
- **Stay Home:** Stay home from school or work if you are sick. Your doctor or local health department will tell you when it is safe to return. Do Not go to stores, restaurants, places of worship or other public places. Avoid public transportation or ride sharing. Do Not allow any visitors (such as friends). Leave the house only if you need to seek medical care.
  - **Cover the Cough:** Cough and sneeze into your shirt sleeve or inner elbow. Don't cough into your hand or the air. If available, sneeze into a tissue and throw it into trash can.
  - **Wash Hands often with Soap and Water:** After coughing or sneezing are important times.
  - **Don't Share Personal Household Items:** Don't share glasses, plates or eating utensils.
  - **Wear a Mask:** Wear a face mask when around others or if you need to go to a medical facility.
  - Carefully avoid any contact with the elderly and people with weak immune systems or other chronic health problems.
32. N/A
33. N/A

34. **Social (Safe) Distancing and COVID-19 Prevention:**
- Avoid any contact with people known to have COVID-19 infection. Avoid talking to or sitting close to them.
  - **Social (Safe) Distancing:** Try to stay at least 6 feet (2 meters) away from anyone who is sick, especially if they are coughing. Also called physical distancing. Avoid crowds because you can't tell who might be sick.
  - If COVID-19 is widespread in your community, try to stay 6 feet away from everyone outside your family unit.
  - **Stay at Home Orders:** Follow any stay at home (stay in place) orders in your community. Leave your home only for essential needs such as buying food or seeking medical care.
  - **After Stay at Home Orders are Lifted:** Continue social distancing. Also wear a mask when entering any public building or outdoor crowded area. These precautions will be needed for many months. Your state public health department will decide when they are no longer needed.
35. **Call Back If:**
- Your child becomes worse
36. **Call Back If:**
- You have other questions
37. **Face Masks and COVID-19 Prevention:**
- **Overview:** Face masks are essential for reducing the spread of COVID-19. Masks may be more protective than the future vaccine. They will also reduce the spread of influenza. Wearing a mask means you care about other people.
  - **Recommended Masks:** Made of 2 or more layers of washable, breathable fabric. Completely cover the nose and mouth. Fits snugly under your chin and against the sides of your face. Neck gaiter masks may be less effective (CDC)
  - **Sick patients:** Must always wear a face mask if need to leave the home. Example: for medical visits. Exception: patients with trouble breathing in a mask can consider a loose face covering such as a bandana.
  - **Well people:** The CDC recommends everyone wears a face mask or covering when going outside the home. They are critical if entering a public building, such as a grocery store. Face masks are required by management for entering most businesses. Reason: Many people with COVID-19 have no symptoms but can spread the virus.
  - **Well People Exceptions:** Face mask or covering is optional if outdoors in nature and you can avoid being within 6 feet of other people. Examples: on an outdoor walk or run.
  - **Age Limits:** Face coverings also are not recommended for children under 2 years (CDC).
38. **Reassurance and Education - Needless Concerns about COVID-19 Exposure:**
- What you have described is not a true exposure to COVID-19.
  - Your child is not at any risk for getting a COVID-19 infection from what you have told me. Exception: travel from or living in a high risk area carries a small risk.
  - You can take this off your worry list. I'll try to explain in more detail.

39. **Criteria for True COVID-19 Exposure (CDC):**
- The risk of getting COVID-19 requires one of the following to have occurred:
  - Close contact with a person who is a lab-test-confirmed COVID-19 AND contact occurred while they were ill or within 48 hours before symptoms started.
  - Close contact with a person who is under investigation for COVID-19 AND contact occurred while they were ill or within 48 hours before symptoms started.
  - **Secondary Exposure:** Close contact with household member (such as parent) who is under investigation for COVID-19 BUT household member doesn't develop symptoms within 14 days, probably does not represent a true exposure for the child. Discuss with your PCP if you have questions.
40. **Activities that Do Not Cause COVID-19 Infections:**
- Being in the same school, church, workplace or building as one person with COVID-19 carries a small risk. This risk increases once multiple people in that setting develop COVID-19.
  - Walking by a person who has COVID-19
  - Close contact with a person who was exposed to COVID-19 more than 14 days ago and never developed any symptoms
41. **Caller Remains Worried after Education and Reassurance:**
- Encourage them to call their PCP or public health department within 24 hours.
  - Discourage them from going to a health care facility.
  - Tell them that no special testing or treatment will be offered.
42. N/A
43. **Other COVID-19 Facts:**
- **Incubation Period:** average 5 days (range 2 to 14 days) after coming in contact with the secretions of a person who has COVID-19.
  - **No Symptoms but Infected:** Over 30% of infected adult patients have no symptoms (asymptomatic patients). Children and teens are even more likely to have no symptoms. Such patients do however spread the disease and most develop protective antibodies (immunity).
  - **Mild Infections:** 80% of those with symptoms have a mild illness, much like normal flu or a bad cold. The symptoms usually last 2 weeks.
  - **Severe Infections:** 20% of those with symptoms develop trouble breathing from viral pneumonia. Many of these need to be admitted to the hospital. People with complications generally recover in 3 to 6 weeks.
  - **Deaths:** Children generally have a mild illness and recover quickly. Pediatric deaths are very rare. Older adults, especially those with chronic lung disease, heart disease, diabetes or weak immune systems, have the highest death rates. The overall death rate for COVID-19 infections is around 0.6%.
  - **Vaccine:** Safe and effective vaccines are available. Some vaccines are 2 doses, given 3-4 weeks apart. Others are a single dose. Similar to flu shots, they will probably provide protection for 6 to 9 months. At this time, vaccines have been tested and are FDA approved for 12 years and older. Trials on children younger than 12 years have started (May 2021).
  - **Treatment:** New treatments for severe COVID-19 are becoming available. They are mainly used on hospitalized patients and are given in a vein (IV).
  - **Prevention:** Currently, there is no oral medicine to prevent COVID-19. Warning: the malaria drug (chloroquine) was studied and found not to be helpful for this disease and had side effects. Social (safe) distancing and face masks are proven to help prevent disease.

44. N/A

45. **Note to Triager - Only Answer Caller's Main Question:**

- This is an information only call.
- Address one specific question, two at the most.
- If there are many questions about COVID-19, redirect the caller to online information. Here are the most reliable websites:
- CDC website: <https://www.cdc.gov/coronavirus>.
- American Academy of Pediatrics parent website: [www.healthychildren.org](http://www.healthychildren.org)
- To meet the demand for COVID-19 information, the public must be encouraged to read.

50. **Call EMS 911 Now:**

- Your child needs immediate medical attention. You need to hang up and call 911 (or an ambulance).
- Triager Discretion: I'll call you back in a few minutes to be sure you were able to reach them.

51. **Go To ED Now:**

- Your child needs to be seen in the Emergency Department immediately.
- Go to the ED at \_\_\_\_\_ Hospital.
- Leave now. Drive carefully.

52. **Go To ED Now (or PCP Triage):**

- **If No PCP (Primary Care Provider) Second-Level Triage:** Your child needs to be seen within the next hour. Go to the ED/UCC at \_\_\_\_\_ Hospital. Leave as soon as you can.
- **If PCP Second-Level Triage Required:** Your child may need to be seen. Your doctor (or NP/PA) will want to talk with you to decide what's best. I'll page the on-call provider now. If you haven't heard from the provider (or me) within 30 minutes, go directly to the ED/UCC at \_\_\_\_\_ Hospital.

53. **See HCP Within 4 Hours (or PCP triage):**
- **If Office Will Be Open:** Your child needs to be seen within the next 3 or 4 hours. Call your doctor's (or NP/PA) office as soon as it opens.
  - **If Office Will Be Closed and No PCP (Primary Care Provider) Second-Level Triage:** Your child needs to be seen within the next 3 or 4 hours. A nearby Urgent Care Center (UCC) is often a good source of care. Another choice is to go to the ED. Go sooner if your child becomes worse.
  - **If Office Will Be Closed and PCP Second-Level Triage Required:** Your child may need to be seen. Your doctor (or NP/PA) will want to talk with you to decide what's best. I'll page the on-call provider now. If you haven't heard from the provider (or me) within 30 minutes, call again. **Note:** If on-call provider can't be reached, send to UCC or ED.
- Note to Triager:**
- Use nurse judgment to select the most appropriate source of care.
  - Consider both the urgency of the patient's symptoms AND what resources may be needed to evaluate and manage the patient.
- Sources of Care:**
- **ED:** Patients who may need surgery or hospital admission need to be sent to an ED. So do most patients with serious symptoms or complex medical problems.
  - **UCC:** Some UCCs can manage patients who are stable and have less serious symptoms (e.g., minor illnesses and injuries). The triager must know the UCC capabilities before sending a patient there. If unsure, call ahead.
  - **OFFICE:** If patient sounds stable and not seriously ill, consult PCP (or follow your office policy) to see if patient can be seen NOW in office.
54. **See PCP Within 24 Hours:**
- **If Office Will Be Open:** Your child needs to be examined within the next 24 hours. Call your child's doctor (or NP/PA) when the office opens and make an appointment.
  - **If Office Will Be Closed:** Your child needs to be examined within the next 24 hours. A clinic or an urgent care center is often a good source of care if your doctor's office is closed or you can't get an appointment.
  - **If Patient Has No PCP:** Refer patient to a clinic or urgent care center. Also try to help caller find a PCP (medical home) for future care.
- Note to Triager:**
- Use nurse judgment to select the most appropriate source of care.
  - Consider both the urgency of the patient's symptoms AND what resources may be needed to evaluate and manage the patient.
55. **See PCP Within 3 Days:**
- Your child needs to be examined within 2 or 3 days.
  - **PCP Visit:** Call your doctor (or NP/PA) during regular office hours and make an appointment. A clinic or urgent care center are good places to go for care if your doctor's office is closed or you can't get an appointment. **Note:** If office will be open tomorrow, tell caller to call then, not in 3 days.
  - **If Patient Has No PCP (Primary Care Provider):** Try to help caller find a PCP for future care (e.g., use a physician referral line). Having a PCP or "medical home" means better long-term care.

56. **See PCP Within 2 Weeks:**
- Your child needs an evaluation for this ongoing problem within the next 2 weeks.
  - **PCP Visit:** Call your child's doctor (or NP/PA) during regular office hours and make an appointment.
  - **If Patient Has No PCP (Primary Care Provider):** A primary care clinic is where you need to be seen for chronic health problems. **Note:** Try to help caller find a PCP (e.g., use a physician referral line). Having a PCP or 'medical home' means better long-term care.
58. **Home Care:**
- You should be able to treat this at home.
59. **Call PCP Now:**
- You need to discuss this with your child's doctor (or NP/PA).
  - I'll page the on-call provider now. If you haven't heard from the provider (or me) within 30 minutes, call again.
60. **Call PCP Within 24 Hours:**
- You need to discuss this with your child's doctor (or NP/PA) within the next 24 hours.
  - **If Office Will Be Open:** Call the office when it opens tomorrow morning.
  - **If Office Will Be Closed:** I'll page the on-call provider now. Exception: From 9 pm to 9 am. Since this isn't urgent, we'll hold the page until morning.
61. **Call PCP When Office Is Open:**
- You need to discuss this with your child's doctor (or NP/PA) within the next few days.
  - Call the office when it is open.

## FIRST AID



N/A

## BACKGROUND INFORMATION

### COVID-19 Symptoms

COVID-19 should be suspected in people who have 1 or more of the following:

- Cough
- Shortness of breath (difficulty breathing)
- Fever or chills
- Loss of smell or taste
- Muscle or body aches
- Headache
- Sore throat
- Runny nose (not from allergies)
- The CDC also includes the following less common symptoms: fatigue (tiredness), nausea, vomiting and diarrhea. In isolation, these symptoms (such as diarrhea) are not very helpful for recognizing COVID-19. Reason: Too common, multiple causes and sometimes subjective. For example, mild diarrhea is often caused by a change in the diet.

- **"COVID Toes"**: Reddish or purple toes have been reported as a rare finding. They can occur alone and go away without treatment. Or they can occur 1-2 weeks after the more common symptoms.
- **Multisystem Inflammatory Syndrome (MIS-C)**: A small number of children present with symptoms similar to Kawasaki's disease. See complete description below.

### **Multisystem Inflammatory Syndrome (MIS-C)**

- MIS-C is a rare and sometimes severe complication associated with COVID-19. The most common symptoms are fever, a red rash, red eyes, abdominal pain and diarrhea or vomiting. Half of the patients develop trouble breathing and shortness of breath. Some children become confused or overly sleepy. Always has multiple symptoms. All patients suspected of having this syndrome should be seen by a doctor. Most need to be admitted to the hospital. Some cases are similar to Kawasaki's Disease (KD), but MIS-C is a more serious condition.
- **Incidence**: a very, very rare complication of COVID-19. In general, COVID-19 continues to be a mild disease in most children.
- **Onset of symptoms**: Usually about 4 weeks after COVID-19 infection and apparent recovery.
- **Peak age**: 8 years. **Age range**: 6 months to 21 years.
- **Treatment**: MIS-C is treatable with medications, including IV immune serum globulin (ISG). At this time, it cannot be prevented nor predicted.
- **Reassurance**: If a child gets this rare complication, a parent will know that their child needs to see a doctor.

### **Child Abuse During the COVID-19 Pandemic**

- Social isolation combined with the financial crisis has caused unremitting stress for many parents.
- Young children often become irritable and demanding when confined to the home.
- These factors have increased the rate of angry outbursts and child abuse.
- **Triagers** need to be alert for calls about bruises or other injuries that are suspicious, unexplained or occur in the first year of life.
- They also need to offer help to families in crisis before they reach the breaking point. Be prepared. Know where to refer at-risk families.
- **National Alliance on Mental Health (NAMI) Helpline**: 1-800-950-6264. This is an information and referral source for locating community mental health programs.
- **Domestic Violence Hotline**: 1-800-799-7233
- **Child Abuse**: Call the Child Abuse Reporting Hotline in the county where the child lives. The number can also be obtained by calling 911.
- See the Psychosocial Problems, Child Abuse or Domestic Violence guidelines for details.

### **COVID-19 - Other Facts**

- **Incubation Period**: average 5 days (range 2 to 14 days) after coming in contact with the secretions of a person who has COVID-19.
- **No Symptoms but Infected**: Over 30% of infected adult patients have no symptoms (asymptomatic patients). Children and teens are even more likely to have no symptoms. Such patients do however spread the disease and develop protective antibodies (immunity).
- **Mild Infections**: 80% of those with symptoms have a mild illness, much like normal flu or a bad cold. The symptoms usually last 2 weeks.
- **Severe Infections**: 20% of those with symptoms develop trouble breathing from viral pneumonia. Many of these need to be admitted to the hospital. People with complications generally recover in 3 to 6 weeks.
- **Deaths**: Children generally have a mild illness and recover quickly. Pediatric deaths are very rare. (CDC) Older adults, especially those with chronic lung disease, heart disease, diabetes or weak

immune systems, have the highest death rates. The overall death rate is around 0.6%.

- **Vaccine:** Safe and effective vaccines are available. Some vaccines are 2 doses, given 3-4 weeks apart. Others are a single dose. Similar to flu shots, they will probably provide protection for 6 to 9 months. At this time, vaccines have been tested and are FDA approved for 12 years and older. Trials on children younger than 12 years have started (May 2021).
- **Treatment:** New treatments for severe COVID-19 are available. They are mainly used on hospitalized patients. For example, antiviral medications can be given IV. Dexamethasone is a steroid that improves outcomes. Plasma therapy is a transfusion of antibody-rich plasma from a donor who has recovered from COVID-19. It is given IV.
- **Prevention:** Currently, there is no oral medicine to prevent COVID-19. Social (safe) distancing and face masks are proven to help prevent disease.

### **COVID-19 - CDC Definition of Exposure (Close Contact)**

- You are at risk of getting COVID-19 if the following has occurred:
- Close contact with a person who tested positive for COVID-19 AND contact occurred while they were ill.
- Close contact with a person diagnosed by their HCP as a suspected COVID-19 patient.
- CDC Definition of close contact: within 6 feet (2 meters) for a total of 15 minutes or more over a 24-hour period. Prolonged close contact would extend the risk to the 48 hours prior to the person becoming ill with symptoms.
- The CDC (<https://www.cdc.gov/coronavirus>) has the most up-to-date list of where COVID-19 outbreaks are highest.

### **COVID-19 - How it is Spread**

- COVID-19 is spread from person to person.
- The virus spreads when respiratory droplets produced when a person coughs or sneezes. The infected droplets can then be inhaled by a nearby person or land on the surface of their face or eyes. Droplets fall quickly to the ground or floor.
- Most infected people also have respiratory secretions on their hands. These secretions get transferred to healthy people on doorknobs, faucet handles etc. The virus then gets transferred to healthy people when they touch their face or rub their eyes.
- These methods are how most respiratory viruses spread.
- Aerosols (tiny airborne particles) can float in the air for 1 to 2 hours. They only occur in a closed room and are a rare cause of COVID-19 transmission (CDC and WHO). Evidence: within household units, only 30% of contacts get infected.

### **Animals and COVID-19**

- The main way COVID-19 spreads is from person to person. There is low risk of getting COVID-19 from a pet or other animal.
- It is possible for animals to catch COVID-19 from people. A few pets have tested positive for COVID-19 (including cats and dogs).
- The CDC recommends treating pets like other family members when trying to avoid spreading COVID-19. Do not let pets have close contact with other people or animals outside your household. A sick person should self-isolate and avoid contact with both people and pets.
- Call your vet if your pet gets sick or you have other questions.
- The CDC has more information on COVID-19 and animals at: <https://www.cdc.gov/coronavirus>

### **COVID-19 - Travel**

- Avoid all non-essential travel.

- If you must travel, go to CDC website for updates on travel advisories:  
<https://www.cdc.gov/coronavirus>

### COVID-19 Disease and Repeat Infections

- Most viral infections cause our immune system to create antibodies that protect us from getting that infection again.
- Sometimes this provides lifelong protection, but sometimes that protection only lasts months or years.
- **Protection Duration.** Research about how long protection against COVID-19 lasts is ongoing. Protection has been proven to last for at least 90 days (3 months) after infection. Some studies have shown protection lasting for 6 or even 9 months. The CDC recommends using 90 days post exposure as a protected period.
- For now, it remains important for people who have recovered from COVID-19 infections to be careful. Take normal precautions such as wearing a mask and social distancing.
- **Need for Vaccine.** People who have recovered from COVID-19 should still get a COVID-19 vaccine when they are available. Vaccination will provide more reliable protection beyond the protection provided after a COVID-19 infection.
- **Recovery and Re-infections.** Re-infections after full recovery do occur. They are rare with the same virus. The arrival of COVID-19 variant (mutant) viruses has increased the rate of re-infections for some of the variants.
- **Vaccines and Re-infections.** Currently available COVID-19 vaccines still protect against most of the COVID-19 variants. Even when they don't, they usually protect against severe disease and the need for hospitalization.
- Modified vaccines are being developed to provide more targeted protection against COVID-19 variants.

### COVID-19 Vaccines - Answers to Common Questions

- **Vaccine Efficacy:** All the vaccines approved by the FDA for use in the US are highly effective. Most vaccines provide over 90% protection against getting sick with COVID-19. The vaccines are even better at preventing serious symptoms, complications and the need for hospital or ICU admission. They are much more effective than flu vaccines.
- **Other Major Benefits:** Vaccines also prevent the rare serious delayed onset complications from COVID-19 infections that can occur in some unlucky people. One example is multisystem inflammatory syndrome in children (also called MIS-C). Another is "long hauler" symptoms (such as brain fog or chronic breathing problems). Key: Vaccines prevent death from COVID-19 infections.
- **Vaccine Safety:** Very safe. Most people get a sore arm for a few days. About half get some general symptoms for about 24 hours, such as feeling tired and achy. A smaller number have a fever. These are the normal side effects seen with most vaccines and they go away quickly. They show your immune system is working. Serious reactions are extremely rare.
- **Blood Clot Concerns:** Very rare. Occur in about 1 person per million vaccinated people. Blood clots occur much more commonly in people who get the natural COVID-19 infection. (Note: have NOT occurred with Moderna or Pfizer vaccines)
- **Best Vaccine:** Any vaccine approved by the FDA is highly effective and safe. Get the first one that becomes available to you, the caller. They will protect you and your family.
- **Start of Vaccine Protection:** Full protection is reached about 2 weeks after you complete the vaccine series.
- **Duration of Vaccine Protection:** Research data has confirmed that protection is still high at 6 months after completing the vaccine series (April 2021). Experts predict the protection may last for 12 months or longer, but we need to wait for more data.
- **Booster Shots:** Experts predict we may need them yearly, just like flu vaccine boosters. Ongoing studies will tell.

- **COVID-19 Variants and Vaccine Protection:** For now, the current vaccines protect against the current variants in the US. The vaccinated person usually does not get infected. If they do, they develop either a mild illness or an asymptomatic infection. They are protected against serious symptoms and any complications. By contrast, natural immunity does not protect against some of the variants.
- **Re-infections:** Reinfections can occur after natural infections. Vaccination provides much better protection against future infections.
- **Quarantine after Exposure:** If you are vaccinated and 2 weeks have passed since your final dose, you do not have to quarantine for 10 days after close contact with a COVID-19 infected person.

### COVID-19 Vaccines: Special Patient Questions

- **Children and Teens:** Currently approved for 16 years and older. Trials completed on teens age 12 to 15 years. Results: strong protection and also safe (normal side effects). Trials on children younger than 12 years have started (April 2021). Importance: while most children have mild or asymptomatic infections, they can get rare complications such as MIS-C. Also, they can innocently transmit the disease to others.
- **Pregnant Women:** Vaccines are approved and safe.
- **Breastfeeding Mothers:** Vaccines are approved and safe. Studies show that breastmilk passes antibody protection against COVID-19 to the baby.
- **Underlying High Risk Conditions:** Vaccines are approved and safe. These patients need the vaccine protection the most. If you have questions about a specific condition, discuss with your doctor.
- **Person Already had the Disease:** Get the vaccine. It provides higher levels of antibodies and better protection than the natural disease. Restriction: not approved until you are over any acute symptoms and the 10 days of isolation have passed.
- Go to CDC website for other questions: <https://www.cdc.gov/coronavirus/2019-ncov/vaccines>.

### Other Coronaviruses in Humans

- MERS-CoV: Middle East Respiratory Syndrome (MERS)
- SARS-CoV: Severe Acute Respiratory Syndrome (SARS)
- Of note, neither of these viruses had a major impact on the pediatric population.
- Common coronaviruses causing colds and upper respiratory symptoms that are identified in currently available commercial respiratory testing panels are different than COVID-19 addressed in this guideline.

### Internet Resources

- Centers for Disease Control and Prevention (CDC): Coronavirus. <https://www.cdc.gov/coronavirus>.
- Public Health Agency of Canada: <https://www.canada.ca/en/public-health/services/diseases/coronavirus.html>.
- World Health Organization (WHO): Coronavirus. <https://www.who.int/health-topics/coronavirus>.
- American Academy of Pediatrics: <http://www.healthychildren.org>

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## SEARCH WORDS

2019-NCOV  
 BREATHING  
 BREATHING DIFFICULTY  
 CORONAVIRUS  
 CORONAVIRUS EXPOSURE  
 COUGH  
 COVID-19  
 DIFFICULT BREATHING  
 DIFFICULTY BREATHING  
 EXPOSURE  
 EXPOSURE QUESTION  
 EXPOSURE QUESTIONS  
 FOREIGN TRAVEL  
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