

CORONAVIRUS INFORMATION FOR K-12 SCHOOLS

BACKGROUND

Coronaviruses are a large family of viruses that are common throughout the world. These viruses can live in animals, such as camels, cats and bats, and at times, evolve and infect people, before spreading through human to human contact. Human coronaviruses spread just like the flu or a cold—through the air by coughing or sneezing; through close personal contact, like touching or shaking hands; by touching an object or surface with the viruses on it; and occasionally, through fecal contamination. This has occurred previously with the Middle East Respiratory Syndrome (MERS-CoV) and Severe Acute Respiratory Syndrome (SARS) outbreaks.

WHAT SHOULD SCHOOLS DO?

Travelers from mainland China who have returned to the United States after being in China within the **last 14 days** are advised to (at minimum) self-monitor for fever, cough and shortness of breath and stay home avoiding group settings including work and school.

Travelers from Hubei Province, who have returned to the United States after being in China within the **last 14 days** are advised to stay home and avoid contact with others and contact 1-877-PA-HEALTH (**1-877-724-3258**).

Travelers who develop symptoms should **avoid contact with others** and contact 1-877-PA-HEALTH (**1-877-724-3258**) to discuss their symptoms and recent travel history.

We encourage schools to support students who may be quarantined by allowing for leniency in absenteeism from classes and extra-curricular activities.

WHAT IF WE HAVE A STUDENT WHOSE HEALTH IS BEING MONITORED?

If a student becomes a patient under investigation, schools should continue to follow usual procedures for notification of parents/guardians whose children are ill at school. Schools should also work with their local health department regarding notification.

PREVENTIVE MEASURES

The department encourages schools to increase education on ways to protect yourself from illnesses such as the cold, flu and also the coronavirus:

- **Cover** any coughs or sneezes with your elbow, do not use your hands!
- **Clean** surfaces frequently, such as countertops, light switches, cell phones and other frequently touched areas. Wash hands often with soap and water for at least 20 seconds. Use an alcohol-based hand sanitizer if soap and water are not available.
- **Contain**- if you are sick, stay home until you are feeling better.

RESOURCES FOR MORE INFORMATION

For more information, visit <https://www.health.pa.gov/topics/disease/Pages/Coronavirus.aspx>

For information on what to do if you are sick, visit <https://www.cdc.gov/coronavirus/2019-ncov/downloads/sick-with-2019-nCoV-fact-sheet.pdf>

The latest information on the coronavirus in the U.S. and worldwide can be found on the [CDC website](#)



Coronavirus Disease 2019 (COVID-19)

Interim Guidance for Preventing the Spread of Coronavirus Disease 2019 (COVID-19) in Homes and Residential Communities

Update: February 14, 2020

(This guidance provides clarification regarding evaluation for home isolation and a new section with information regarding preventative steps for household members, intimate partners, and caregivers in a nonhealthcare setting of a person with symptomatic, laboratory-confirmed COVID-19.)

This interim guidance is based on what is currently known about the epidemiology of COVID-19 and the transmission of other viral respiratory diseases. CDC will update this interim guidance as needed and as additional information becomes available.

Coronaviruses are a large family of viruses, some causing illness in people and others that circulate among animals, including camels, cats, and bats. Rarely, animal coronaviruses can infect people exposed to infected animals, and then spread among people, as has been seen with MERS-CoV and SARS-CoV, and likely now with SARS-CoV-2, the virus that causes COVID-19. This interim guidance may help prevent this virus from spreading among people in their homes and in other residential communities.

This interim guidance is intended for:

- People with confirmed or suspected COVID-19, including persons under investigation, who do not need to be hospitalized and who can receive care at home (see Interim Guidance for Implementing Home Care of People Not Requiring Hospitalization for Coronavirus Disease 2019 (COVID-19));
- People with confirmed COVID-19, who were hospitalized and then determined to be medically stable to go home (see Interim Guidance for Implementing Home Care of People Not Requiring Hospitalization for Coronavirus Disease 2019 (COVID-19));
- Household members, intimate partners, and caregivers in a nonhealthcare setting of a person with symptomatic, laboratory-confirmed COVID-19.

Prevention steps for

People with confirmed or suspected COVID-19 (including persons under investigation) who do not need to be hospitalized

and

People with confirmed COVID-19 who were hospitalized and determined to be medically stable to go home

Your healthcare provider and public health staff will evaluate whether you can be cared for at home. If it is determined that you do not need to be hospitalized and can be isolated at home, you will be monitored by staff from your local or state health department. You should follow the prevention steps below until a healthcare provider or local or state health department says you can return to your normal activities.

Stay home except to get medical care

You should restrict activities outside your home, except for getting medical care. Do not go to work, school, or public areas. Avoid using public transportation, ride-sharing, or taxis.

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Separate yourself from other people and animals in your home

People: As much as possible, you should stay in a specific room and away from other people in your home. Also, you should use a separate bathroom, if available.

Animals: You should restrict contact with pets and other animals while you are sick with COVID-19, just like you would around other people. Although there have not been reports of pets or other animals becoming sick with COVID-19, it is still recommended that people sick with COVID-19 limit contact with animals until more information is known about the virus. When possible, have another member of your household care for your animals while you are sick. If you are sick with COVID-19, avoid contact with your pet, including petting, snuggling, being kissed or licked, and sharing food. If you must care for your pet or be around animals while you are sick, wash your hands before and after you interact with pets and wear a facemask. See COVID-19 and Animals for more information.

Call ahead before visiting your doctor

If you have a medical appointment, call the healthcare provider and tell them that you have or may have COVID-19. This will help the healthcare provider's office take steps to keep other people from getting infected or exposed.

Wear a facemask

You should wear a facemask when you are around other people (e.g., sharing a room or vehicle) or pets and before you enter a healthcare provider's office. If you are not able to wear a facemask (for example, because it causes trouble breathing), then people who live with you should not stay in the same room with you, or they should wear a facemask if they enter your room.

Cover your coughs and sneezes

Cover your mouth and nose with a tissue when you cough or sneeze. Throw used tissues in a lined trash can; immediately wash your hands with soap and water for at least 20 seconds or clean your hands with an alcohol-based hand sanitizer that contains 60 to 95% alcohol, covering all surfaces of your hands and rubbing them together until they feel dry. Soap and water should be used preferentially if hands are visibly dirty.

Clean your hands often

Wash your hands often with soap and water for at least 20 seconds or clean your hands with an alcohol-based hand sanitizer that contains 60 to 95% alcohol, covering all surfaces of your hands and rubbing them together until they feel dry. Soap and water should be used preferentially if hands are visibly dirty. Avoid touching your eyes, nose, and mouth with unwashed hands.

Avoid sharing personal household items

You should not share dishes, drinking glasses, cups, eating utensils, towels, or bedding with other people or pets in your home. After using these items, they should be washed thoroughly with soap and water.

Clean all "high-touch" surfaces everyday

High touch surfaces include counters, tabletops, doorknobs, bathroom fixtures, toilets, phones, keyboards, tablets, and bedside tables. Also, clean any surfaces that may have blood, stool, or body fluids on them. Use a household cleaning spray or wipe, according to the label instructions. Labels contain instructions for safe and effective use of the cleaning product including precautions you should take when applying the product, such as wearing gloves and making sure you have good ventilation during use of the product.

Monitor your symptoms

Seek prompt medical attention if your illness is worsening (e.g., difficulty breathing). **Before** seeking care, call your healthcare provider and tell them that you have, or are being evaluated for, COVID-19. Put on a facemask before you enter the facility. These steps will help the healthcare provider's office to keep other people in the office or waiting room from

getting infected or exposed. Ask your healthcare provider to call the local or state health department. Persons who are placed under active monitoring or facilitated self-monitoring should follow instructions provided by their local health department or occupational health professionals, as appropriate.

If you have a medical emergency and need to call 911, notify the dispatch personnel that you have, or are being evaluated for COVID-19. If possible, put on a facemask before emergency medical services arrive.

Discontinuing home isolation

Patients with confirmed COVID-19 should remain under home isolation precautions until the risk of secondary transmission to others is thought to be low. The decision to discontinue home isolation precautions should be made on a case-by-case basis, in consultation with healthcare providers and state and local health departments.

Recommended precautions for household members, intimate partners, and caregivers in a nonhealthcare setting¹ of

A patient with symptomatic laboratory-confirmed COVID-19

or

A patient under investigation

Household members, intimate partners, and caregivers in a nonhealthcare setting may have close contact² with a person with symptomatic, laboratory-confirmed COVID-19 or a person under investigation. Close contacts should monitor their health; they should call their healthcare provider right away if they develop symptoms suggestive of COVID-19 (e.g., fever, cough, shortness of breath) (see Interim US Guidance for Risk Assessment and Public Health Management of Persons with Potential Coronavirus Disease 2019 (COVID-19) Exposure in Travel-associated or Community Settings.)

Close contacts should also follow these recommendations:

- Make sure that you understand and can help the patient follow their healthcare provider's instructions for medication(s) and care. You should help the patient with basic needs in the home and provide support for getting groceries, prescriptions, and other personal needs.
- Monitor the patient's symptoms. If the patient is getting sicker, call his or her healthcare provider and tell them that the patient has laboratory-confirmed COVID-19. This will help the healthcare provider's office take steps to keep other people in the office or waiting room from getting infected. Ask the healthcare provider to call the local or state health department for additional guidance. If the patient has a medical emergency and you need to call 911, notify the dispatch personnel that the patient has, or is being evaluated for COVID-19.
- Household members should stay in another room or be separated from the patient as much as possible. Household members should use a separate bedroom and bathroom, if available.
- Prohibit visitors who do not have an essential need to be in the home.
- Household members should care for any pets in the home. Do not handle pets or other animals while sick. For more information, see COVID-19 and Animals.
- Make sure that shared spaces in the home have good air flow, such as by an air conditioner or an opened window, weather permitting.
- Perform hand hygiene frequently. Wash your hands often with soap and water for at least 20 seconds or use an alcohol-based hand sanitizer that contains 60 to 95% alcohol, covering all surfaces of your hands and rubbing them together until they feel dry. Soap and water should be used preferentially if hands are visibly dirty.
- Avoid touching your eyes, nose, and mouth with unwashed hands.
- You and the patient should wear a facemask if you are in the same room.
- Wear a disposable facemask and gloves when you touch or have contact with the patient's blood, stool, or body fluids, such as saliva, sputum, nasal mucus, vomit, urine.
 - Throw out disposable facemasks and gloves after using them. Do not reuse.

- When removing personal protective equipment, first remove and dispose of gloves. Then, immediately clean your hands with soap and water or alcohol-based hand sanitizer. Next, remove and dispose of facemask, and immediately clean your hands again with soap and water or alcohol-based hand sanitizer.
- Avoid sharing household items with the patient. You should not share dishes, drinking glasses, cups, eating utensils, towels, bedding, or other items. After the patient uses these items, you should wash them thoroughly (see below "Wash laundry thoroughly").
- Clean all "high-touch" surfaces, such as counters, tabletops, doorknobs, bathroom fixtures, toilets, phones, keyboards, tablets, and bedside tables, every day. Also, clean any surfaces that may have blood, stool, or body fluids on them.
 - Use a household cleaning spray or wipe, according to the label instructions. Labels contain instructions for safe and effective use of the cleaning product including precautions you should take when applying the product, such as wearing gloves and making sure you have good ventilation during use of the product.
- Wash laundry thoroughly.
 - Immediately remove and wash clothes or bedding that have blood, stool, or body fluids on them.
 - Wear disposable gloves while handling soiled items and keep soiled items away from your body. Clean your hands (with soap and water or an alcohol-based hand sanitizer) immediately after removing your gloves.
 - Read and follow directions on labels of laundry or clothing items and detergent. In general, using a normal laundry detergent according to washing machine instructions and dry thoroughly using the warmest temperatures recommended on the clothing label.
- Place all used disposable gloves, facemasks, and other contaminated items in a lined container before disposing of them with other household waste. Clean your hands (with soap and water or an alcohol-based hand sanitizer) immediately after handling these items. Soap and water should be used preferentially if hands are visibly dirty.
- Discuss any additional questions with your state or local health department or healthcare provider.

Footnotes

¹Home healthcare personnel should refer to Interim Infection Prevention and Control Recommendations for Patients with Known or Patients Under Investigation for Coronavirus Disease 2019 (COVID-19) in a Healthcare Setting.

²Close contact is defined as—

a) being within approximately 6 feet (2 meters) of a COVID-19 case for a prolonged period of time; close contact can occur while caring for, living with, visiting, or sharing a health care waiting area or room with a COVID-19 case

– or –

b) having direct contact with infectious secretions of a COVID-19 case (e.g., being coughed on).

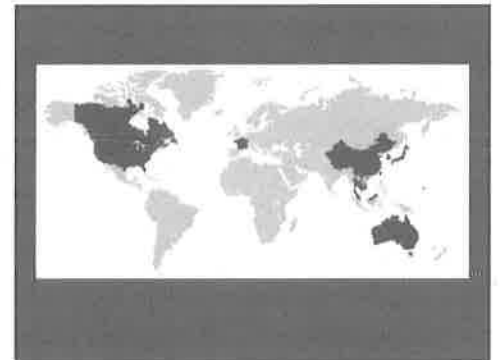
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BACKGROUND

Coronaviruses are a large family of viruses that are common throughout the world. These viruses can live in animals, such as camels, cats and bats, and at times, evolve and infect people, before spreading through human to human contact. Human coronaviruses spread just like the flu or a cold—through the air by coughing or sneezing; through close personal contact, like touching or shaking hands; by touching an object or surface with the viruses on it; and occasionally, through fecal contamination. This has occurred previously with the Middle East Respiratory Syndrome (MERS-CoV) and Severe Acute Respiratory Syndrome (SARS) outbreaks.

WHO DOES THE ISSUE IMPACT?

People most at-risk of contracting a coronavirus are those who have traveled to places where the virus is occurring. In the case of the novel coronavirus, that location is China, and particularly the Wuhan area and the Hubei province.



WHAT ARE WE DOING?

The department frequently exercises and prepares for a potential infectious disease outbreak. We have been monitoring the novel coronavirus (COVID-19) outbreak in China using information from our federal and local partners and are preparing our response teams in case of an outbreak here. We have talked with health care partners about the potential spread of the coronavirus into the United States and how they will work with public health to evaluate potential cases.

WHAT ARE THE SYMPTOMS?

Symptoms of the COVID-19 can include:

- Fever
- Cough
- Shortness of breath

The symptoms may appear in as few as two days or as long as 14 days after exposure. Reported illnesses have ranged from people with little to no symptoms to people being severely ill and dying.

WHAT CAN YOU DO?

- **Cover** any coughs or sneezes with your elbow, do not use your hands!
- **Clean** surfaces frequently, such as countertops, light switches, cell phones and other frequently touched areas. Wash hands often with soap and water for at least 20 seconds. Use an alcohol-based hand sanitizer if soap and water are not available.
- **Contain-** if you are sick, stay home until you are feeling better.

RESOURCES FOR MORE INFORMATION

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The latest information on the coronavirus in the U.S. and worldwide can be found on the [CDC website](#)

Additional information from the CDC on what to do if you are sick can be found [here](#)