CUYAHOGA COUNTY BOARD OF HEALTH

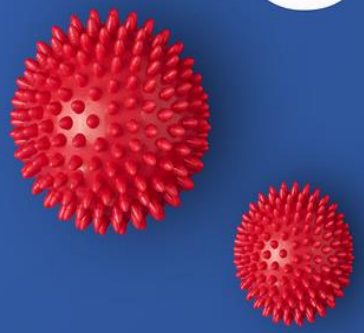
YOUR TRUSTED SOURCE FOR PUBLIC HEALTH INFORMATION

5550 Venture Drive Parma, Ohio 44130
216-201-2000 www.ccbh.net

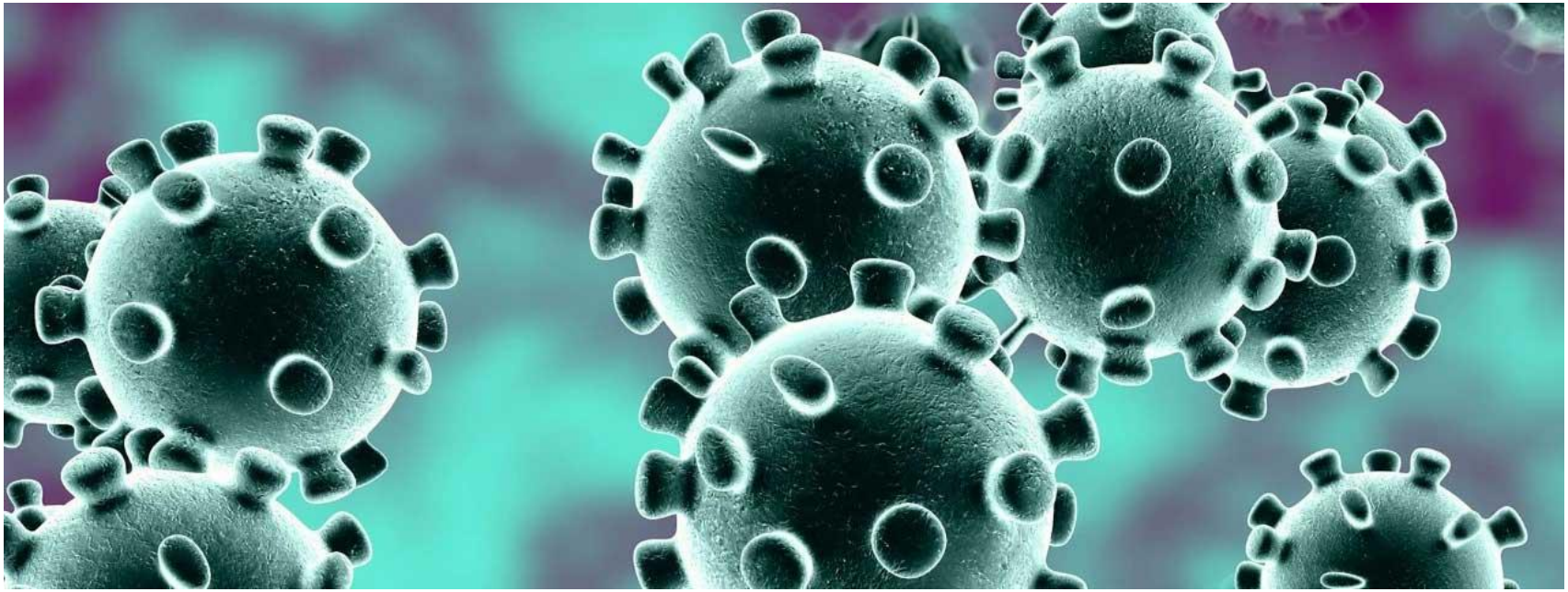
COVID-19 Update
March 6, 2020

Terry Allan MPH, RS
Health Commissioner

COVID-19



Overview



Coronaviruses are a large family of viruses that are common in many different species of animals, including camels, cats, cattle, and bats

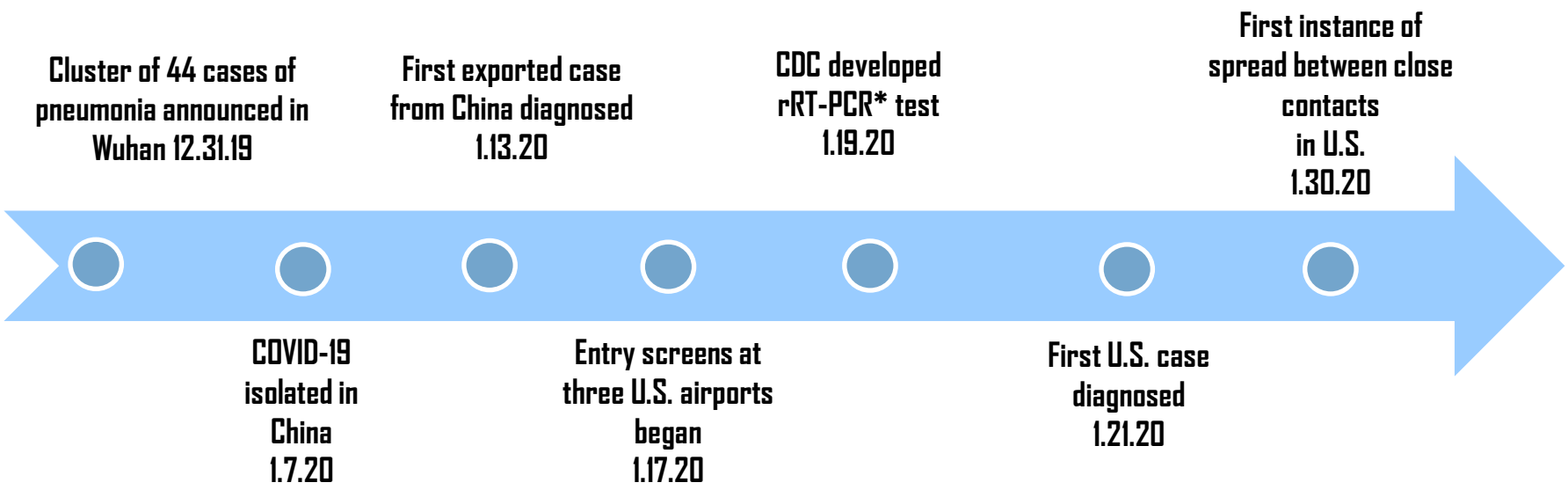
CCBH

Origin

First detected in Wuhan City, Hubei Province, China in December 2019

CCBH

When Did the Outbreak Start?



*Real-Time Reverse Transcription-Polymerase Chain Reaction.

Source: www.who.int/emergencies/diseases/novel-coronavirus-2019/situation-reports/.

Why We Are Concerned

- The first identification in humans occurred in December 2019
- Health experts are still learning about the characteristics of the virus
- It has the potential to cause severe respiratory illness

CCBH

Why We Are Concerned

- We have no history of surveillance like we do with the flu
- There is no vaccine at this time
- There are no treatments

CCBH

COVID 19
CORONAVIRUS DISEASE

CORONAVIRUS DISEASE 2019 (COVID-19)

SYMPTOMS* OF CORONAVIRUS DISEASE

Patients with COVID-19 have reportedly had mild to severe respiratory illness. Symptoms can include

- Fever
- Cough
- Shortness of breath

*** Symptoms may appear 2–14 days after exposure. If you have been in China within the past 2 weeks and develop symptoms, call your doctor.**

DEPARTMENT OF HEALTH & HUMAN SERVICES · USA
CDC

www.cdc.gov/COVID19

314705-B February 13, 2020 12:00 PM

CCBH

Transmission

Person-to-person spread among close contacts (about 6 feet) via respiratory droplets produced when an infected person coughs or sneezes

CCBH

Transmission

Spread from contact with infected surfaces or objects

CCBH

Transmission

People are thought to be most contagious when they are most symptomatic (the sickest)

Transmission

Some spread might be possible before people show symptoms

This is not thought to be the main way the virus spreads

CCBH

R_0 or R-naught

DISEASE	R_0
FLU	1-2
COVID-19	2-3
SARS	2-4
Measles	12-18

Average number of people in a susceptible population that would be affected by the spread of illness from an infected individual

CCBH

Mortality

DISEASE	FATALITY RATE
INFLUENZA	0.1%
COVID-19	1.4% *
SARS	10%
MEASLES	15%
MERS	35%

CCBH

*New England Journal of Medicine
2.28.20

CDC estimates* that, from **October 1, 2019**, through **February 22, 2020**, there have been:

32,000,000 – 45,000,000
flu illnesses

14,000,000 – 21,000,000
flu medical visits

310,000 – 560,000
flu hospitalizations

18,000 – 46,000
flu deaths

Outbreaks of novel virus infections among people are always of public health concern

CCBH

COVID-19 has caused illness resulting in death as well as sustained person-to-person spread

CCBH

Reported community spread of COVID-19 in parts of the U.S. raises the level of concern for those communities about the immediate threat

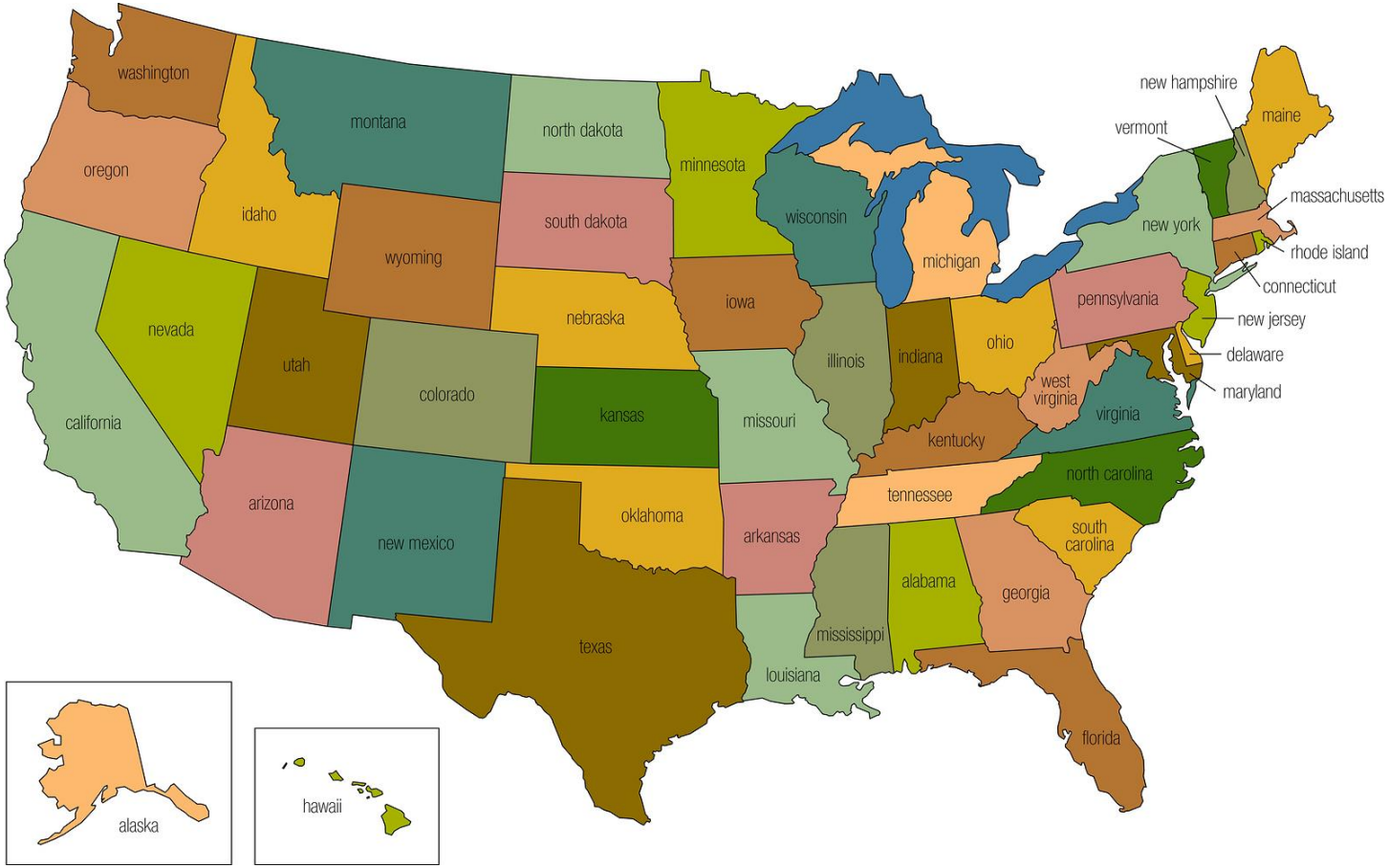
CCBH

Risk Assessment

The potential public health threat posed to the United States and the world is very high

CCBH

Risk Assessment



At this time, most people in the United States have little immediate risk of exposure

CCBH

Risk Assessment

Map of affected states through March 5, 2020

Current case numbers

13 states reporting cases	Total confirmed cases
Travel Related	30
Person-to-Person Spread	20
Under Investigation	49
Repatriated from Wuhan, China	3
Repatriated from Diamond Princess Cruise Ship	46
Total Cases	148
Total Deaths	10

CCBH

COVID-19 in Ohio

Confirmed Cases in Ohio	Persons Under Investigation (PUIs) in Ohio	Negative PUIs in Ohio
0	3	7

Tracking 212 Travelers

CCBH

Testing

A kit that will enable the state to start testing for COVID-19 should arrive in Ohio this week

CCBH

Centers for Disease Control and Prevention
CDC 24/7: Saving Lives, Protecting People™

A-Z Index

Search

Travelers' Health

Travelers Health > Travel Notices

- Travelers Health
- Destinations
- Find a Clinic +
- Travel Notices
- Travel Advice and Resources +
- Disease Directory +
- Yellow Book +
- Frequently Asked Questions +

Travel Health Notices

Search By Country Name or Disease

e.g., Zika or China

Travel Health Notices inform travelers and clinicians about current health issues that impact travelers' health, like disease outbreaks, special events or gatherings, and natural disasters, in specific international destinations. See types of travel notices.

Department of State Safety and Security Alerts: Travel Advisories.

Warning Level 3, Avoid Nonessential Travel

Updated COVID-19 in Italy
March 03, 2020
CDC recommends that travelers avoid all nonessential travel to Italy.

https://www.cdc.gov/coronavirus/2019-ncov/travelers/index.html

CCBH

CCBH response since 1-28-20

- Activated agency Emergency Response Plan
- Conducting traveler monitoring and surveillance
- Coordinating with local hospitals and Center for Health Affairs

CCBH

CCBH response since 1-28-20

- Coordinating activities with Cuyahoga County EMA
- Situation reports are sent to partners 2x per week

- Targeted communication
  - Businesses
  - County organizations
  - Media
  - Municipalities
  - Police, fire, EMS and dispatch
  - Schools: K-12, colleges, universities

CCBH

Containment Measures

Focus on prevention, particularly through regular handwashing and cough hygiene

CCBH

Containment Measures

Conduct active surveillance for the early detection and isolation of cases

CCBH

Containment Measures

Ensure rapid access to clinical care, particularly for severe cases

Containment & Mitigation

Containment - the action of keeping something harmful under control or within limits

“We have focused on containment of the epidemic.“

Mitigation - the action of reducing the severity, seriousness, or painfulness of something

“Postponing events and restricting travel are ways to mitigate the spread of illness.”

CCBH

Non-Pharmaceutical Interventions (NPIs)

Public health actions that can slow the spread of emerging respiratory diseases like COVID-19 for which vaccines and drug treatments are not yet available

NPIs are used to build community preparedness in communities without known COVID-19 disease

They support outbreak responses in communities where local cases or cluster of diseases have occurred

CCBH

Personal Protective Measures

Actions taken by individuals to reduce the spread of illness.

Personal Protective Measures

Do not share food, drink or utensils with others

Personal Protective Measures

Consult with your healthcare provider if you feel that you or your family are at high risk for illness

CCBH

Source: Centers for Disease Control and Prevention

CCBH

Face Masks

Surgical masks are a barrier to splashes and droplets. **They keep things in.**

Only wear a mask at the advice of your healthcare provider or local public health authority.

Face Masks

Respirators protect from exposure to airborne particles.
They keep things out.

In healthcare, they protect from exposure to biological aerosols including viruses and bacteria**.**

Positive Air Purifying Respirator

Cleanable hood, battery pack, forced air in and out

Environmental Measures

Regular cleaning of highly-used surfaces

Community Measures

Pro-active and reactive responses in communities where local cases or cluster of diseases have occurred

Community Measures

School closures, work-from-home/remote work

Community Measures

Decisions about implementation will be made by local and state officials

Consultation with federal officials will take place as appropriate

Decisions will be based on the scope of the outbreak and the severity of illness

Implementation will require extensive community engagement and ongoing and transparent public health communications

CCBH

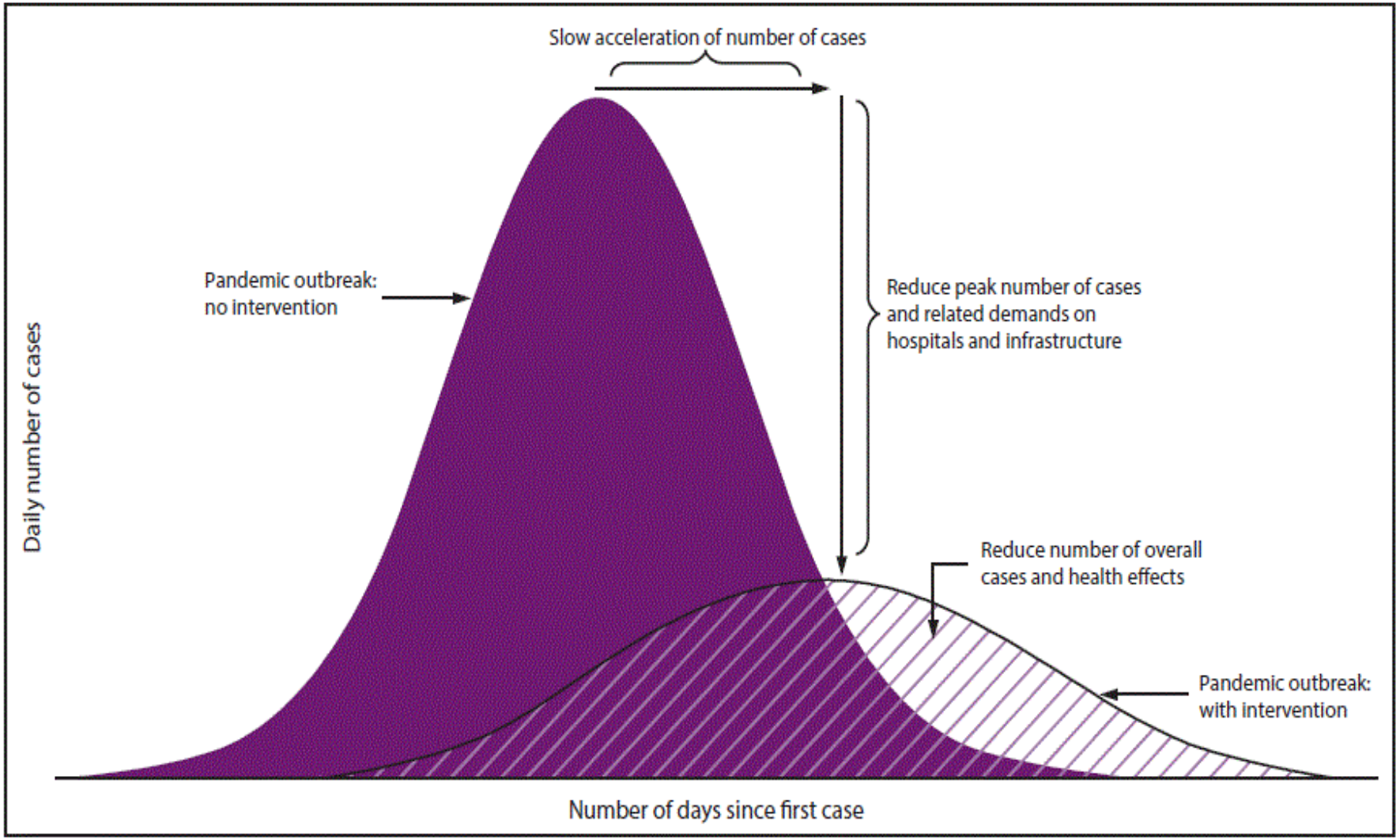
TABLE 1. Nonpharmaceutical interventions for personal and community preparedness to prevent pandemic influenza

Return

NPI category*	NPIs	Timing
Personal		
Personal protective measures for everyday use	Voluntary home isolation of ill persons (staying home when ill)	Recommended at all times
	Respiratory etiquette	
	Hand hygiene	
Personal protective measures reserved for pandemics	Voluntary home quarantine of exposed household members (staying home for up to 3 days† when a household member is ill)	Reserved for pandemics
	Use of face masks in community settings when ill	
Community		
School closures and dismissals§	Temporary, preemptive, coordinated dismissals of child care facilities and schools for grades K–12¶	Reserved for pandemics
Social distancing measures (examples)	Dividing classes into smaller groups and creating opportunities for distance learning (e.g., via the internet or local television or radio stations)	Reserved for pandemics
	Telecommuting and remote-meeting options in workplaces	
	Mass gathering modifications, postponements, or cancellations	
Environmental		
Environmental surface cleaning measures	Routine cleaning of frequently touched surfaces and objects in homes, child care facilities, schools, and workplaces	Recommended at all times

FIGURE 1. Goals of community mitigation for pandemic influenza

FIGURE 1. Goals of community mitigation for pandemic influenza



Voluntary Quarantine

Staying home when a household member is sick with respiratory disease symptoms **if instructed by public health officials or a health care provider**

CCBH

Isolation versus Quarantine

A physical separation and confinement of individuals to prevent disease transmission and protect the public health

Isolation

for people who are **sick**

Quarantine

for people who were exposed but are **not sick**

CCBH

Things to Remember

- The situation is evolving daily
- We are monitoring local, state, national and global activity
- More cases are likely to be identified in the near future
- Interim CDC guidance will continue to change
- Our goals are to detect new cases quickly, prevent community spread and provide accurate information

CCBH

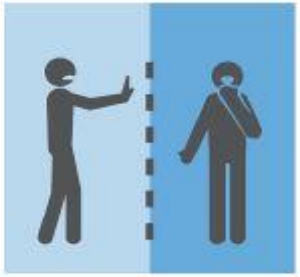
COVID-19

Ohio | Department of Health

There are no confirmed cases of COVID-19 in Ohio. Please continue to protect yourself from all infectious diseases by using these precautions.

PREVENTION

STAY HOME WHEN YOU ARE SICK



AVOID CONTACT WITH PEOPLE WHO ARE SICK

GET ADEQUATE SLEEP AND EAT WELL-BALANCED MEALS

WASH HANDS OFTEN WITH WATER AND SOAP (20 SECONDS OR LONGER)

DRY HANDS WITH A CLEAN TOWEL OR AIR DRY YOUR HANDS

COVER YOUR MOUTH WITH A TISSUE OR SLEEVE WHEN COUGHING OR SNEEZING

AVOID TOUCHING YOUR EYES, NOSE, OR MOUTH WITH UNWASHED HANDS OR AFTER TOUCHING SURFACES

CLEAN AND DISINFECT "HIGH-TOUCH" SURFACES OFTEN

CALL BEFORE VISITING YOUR DOCTOR

PRACTICE GOOD HYGIENE HABITS

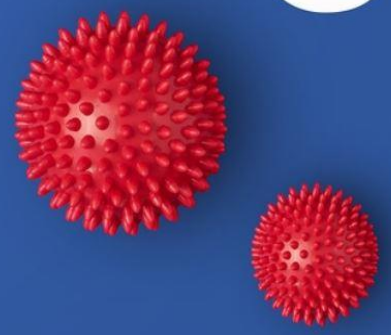
CUYAHOGA COUNTY
BOARD OF HEALTH
YOUR TRUSTED SOURCE FOR PUBLIC HEALTH INFORMATION

5550 Venture Drive
Parma, OH 44130
Business/After Hours: 216-201-2000

WE WANT YOUR OPINION

Home | ABOUT | A-Z INDEX | BUSINESS | CONTACT | FORMS | HOT TOPICS | JOBS | PROGRAMS

COVID-19



Overview and links
to coronavirus resources

CCBH

TEXAS CORONAVIRUS PREVENTION

Wash your hands like you just got done slicing jalapeños for a batch of nachos and you need to take your contacts out.

(That's like 20 seconds of scrubbing, y'all.)

ROUND ROCK TEXAS

CCBH

CUYAHOGA COUNTY

BOARD OF HEALTH

YOUR TRUSTED SOURCE FOR PUBLIC HEALTH INFORMATION

5550 Venture Drive Parma, Ohio 44130
216-201-2000 www.ccbh.net