

Ask the Docs Webinar on COVID-19 – April 8, 2020

Presenter:

Shilpa Pai, MD

- Pediatrician- Eric B. Chandler Health Center
- Director, Resident Education in Advocacy & Community Health
- Co-Director, NJ Pediatric Residency Advocacy Collaborative
- Associate Professor of Pediatrics
- Rutgers-Robert Wood Johnson Medical School
- New Brunswick, NJ



Disclaimer



- New and updated information on COVID-19 is being published on a near constant basis
- Best websites for up to date information include CDC and WHO:
 - Centers for Disease Control and Prevention (CDC):
 - www.cdc.gov/coronavirus/2019-cov/index .html
 - The World Health Organization (WHO)
 - www.who.int/emergencies/diseases/nove l-coronavirus-2019

What is COVID-19?

- New (novel) coronavirus that has not been previously identified in humans.
- Not the same as Coronaviruses that commonly circulate among humans and cause mild illness, like the common cold.
- Why is it called COVID-19?
 - 'CO' stands for 'corona,'
 - "'VI' for 'virus,'
 - "'D' for disease.

Droplet vs. Airborne Transmission

DROPLET:

- Droplet particles > 5-10 micrometers in size
- Close contact
- Coughing/sneezing produce droplets
- Droplets then enter another person's mouth, nose, eyes



• AIRBORNE:

- Airborne particles are <5 micrometers in size
- Spread through the air from person to person

COVID-19 is spread via droplet NOT AIRBORNE transmission in most situations

COVID-19 may become airborne in specific conditions such as intubation, resuscitation (CPR), tracheostomy, etc.

COVID-19 Symptoms

WHO IS CONSIDERED AT RISK?

High-risk for severe illness from COVID-19:

- 65 years and older
- Living in a nursing home
- Chronic lung disease
- Moderate to severe asthma
- Serious heart conditions
- Immunocompromised
 - Cancer treatment
 - Bone marrow/organ transplant recipients
 - Poorly controlled HIV or AIDS
 - Prolonged steroid use

Additional Risks:

- Severe obesity
- Diabetes
- Renal failure
- Liver disease

Unknown:

- Pregnant women
 - To date, not increased risk

COVID-19 Symptoms



Range from mild to severe

Overlap significantly with influenza.

Symptoms appear 2-14 days after exposure

Common symptoms include:

Fever, Cough, Shortness of breath

Other symptoms include:

Headache, stomach upset (vomiting/diarrhea), muscle aches

What is Coronavirus?

Coronaviruses are a large family of viruses that cause illness ranging from the common cold to more severe diseases like pneumonia, MERS and SARS

SEVERE SYMTOMS

- High Fever (100.4°F or higher)
- Pneumonia
- Kidney failure
- Death

TRANSMISSION

Coughs or sneezes from infected person or touching contaminated objects

COMMON SYMPTOMS

Fever

After 2 to 7 days develop a dry cough

Mild breathing difficulties at the outset

Gastrointestinal issues

Diarrhea

General body aches

* Source: Centers for Disease Control and Prevention/ USA Today

EXPRESS

When I should go to the hospital?

- Persistent fever
- Persistent and worsening cough
- Trouble breathing
- Bluish lips or face
- Tightness and pain in the chest
- Other symptoms include:
 - Diarrhea
 - Abdominal discomfort

COVID-19 Emergency Warning Signs

- •Emergency warning signs include*:
- Trouble breathing
- Persistent pain or pressure in the chest
- New confusion or inability to arouse
- · Bluish lips or face



Does everyone need to be hospitalized who has COVID-19?

NO!!!

Most people do fine and recover



Can I have COVID-19 and not have any symptoms?

- PRE-SYMPTOMATIC: WITHOUT symptoms, and later develop symptoms

•ASYMPTOMATIC: mild to no symptoms.

How do I know if it's COVID-19 or Seasonal Allergies: Signs/symptoms

Most common:

- sneezing
- runny or stuffy nose
- watery and itchy eyes
- ear congestion
- Post-nasal drip



Less common:

- headache
- shortness of breath
- wheezing
- coughing

Are there any medications I should stay away from during this time?

- No clear evidence to avoid NSAIDs (Ibuprofen, Advil, etc.)
- Some are recommending to use acetaminophen (Tylenol) for fever, pain, etc.



Are there any supplements that will help to boost my, immune system?

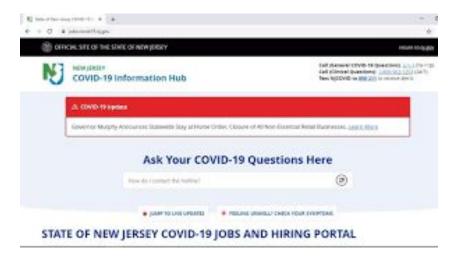
- General vitamin supplements
- -Some are recommending Vitamin D and Vitamin C



Testing for COVID-19

Is there specific criteria I need to meet to be eligible for COVID-19 testing?

- Exposure to a known patient
- Symptoms:
 - Fever
 - sore throat,
 - worsening cough





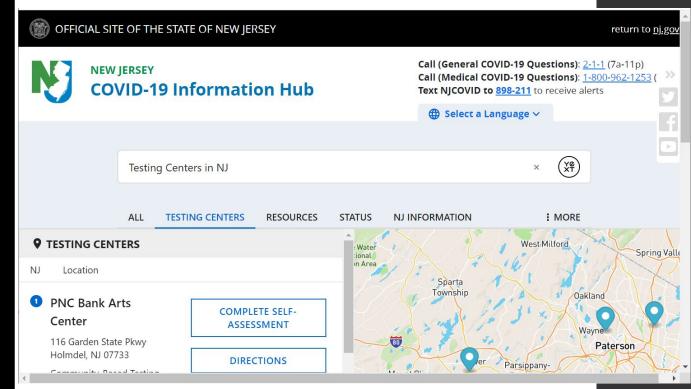
What if I haven't had direct contact with someone who has the virus, but I have been out in public and now have symptoms? Can I get tested?

- If you have symptoms:
 - Call your doctor or health center
 - Get an appointment
 - You will be brought in with a proper mask
 - health care provider will also be using protective equipment.
- If you are severely sick then you must go to the nearest hospital.



How do I get tested? Where can I get tested?

- hospitals testing based on criteria
- Community health centers are currently not testing
- Without known exposure and illness symptoms, stay home and stay safe with good hand hygiene
- Some NJ testing sites:
 - PNC Bank Arts Center
 - NJ MVC Kilmer Inspection Center
 - <u>covid19.nj.gov</u>website:
 - https://covid19.nj.gov/search.html?query="https://covid19.nj.gov/search.html">https://covid19.nj.gov/search.html
 - using same criteria as hospitals for testing







Example of a swab used by providers

Example of a CDC diagnostic panel

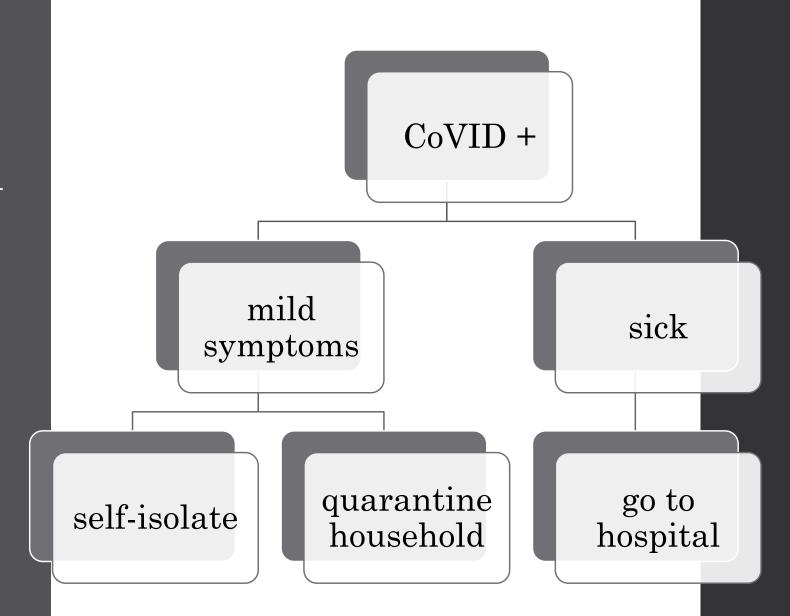


If I need to get tested for COVID-19, is it painful? How do they test for the virus?

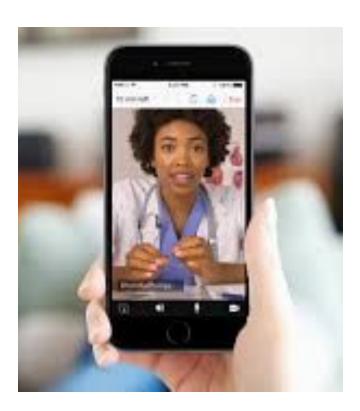
- Test is simple and similar to strep throat test.
- A swab is taken from your nose and put in a small container of liquid.
- Based on the technique, it could take anywhere from 1 hour to 3 days for the result.

Testing Positive for COVID-19

If someone in my household tests positive, should I get tested?



Are telehealth services available instead of in-person visits in the event we get sick with a fever or other symptoms?



- Many offices offering telehealth services now
- If telehealth not available (video, etc.), many are screening via phone to decide if patient needs to be seen in person

• Self-Quarantine vs Self-Isolation?

• <u>SELF-QUARANTINE</u>

- shelter in place
- avoid going to stores or interacting with the public
- Stay away from household members, as much as possible
- sleep in separate space from family members
- Who should do this?
 - Anyone who does not have symptoms, but who had close contact with someone who later became infected
 - Living with someone who is in self-isolation

SELF-ISOLATION

- confined to a separate room + no or minimal contact with household members (including pets)
- Use separate bathroom if possible or sanitize shared bathroom
- pick up food trays left at door
- Who should do this?
- confirmed case of Covid-19
- person waiting for test results
- person with obvious symptoms, still waiting to be tested



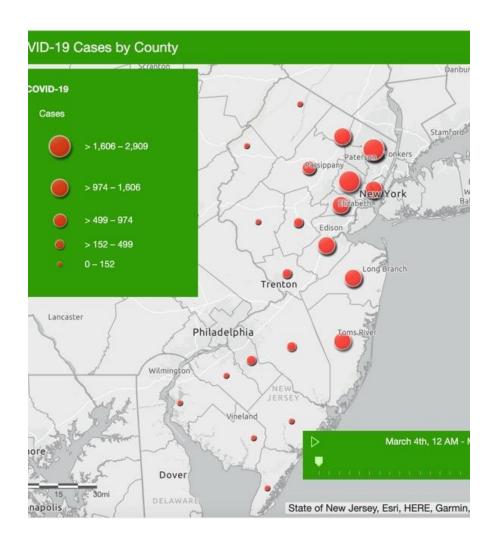


Why 14 Days?

- 14 days = incubation period
- Johns Hopkins study:
 - •97% of people who develop symptoms of CoVID19 infection will do so within 11.5 days of exposure

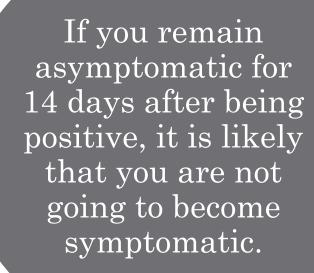
Where have people in New Jersey tested positive for COVID-19?

- In New Jersey, patients are being treated in hospitals
- If feeling better or have no symptoms □ sent home
 - quarantine



If I tested positive for COVID-19, will I have to get tested again to find out if I still have it? If not, how will I know it's gone?

In asymptomatic patient retesting is no going to be done due to resource limitation.



After recovering from COVID-19, can I...

Spread to others?

- may still have some virus shedding but you have developed immunity
- * shedding from a well person is less likely.

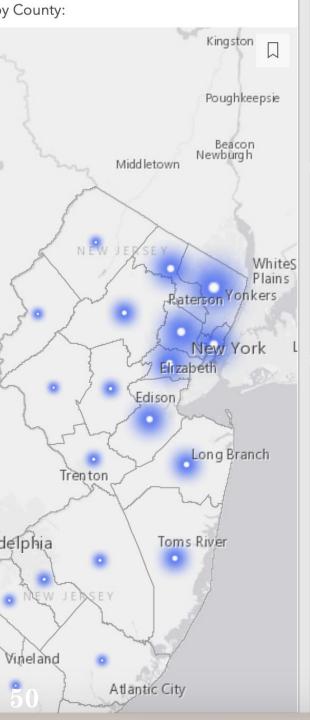
Return to work?

- If no symptoms
- dependent on your employer.

COVID-19 Prevention Strategies

- -COVID-19 is now widespread through most communities in NJ/NY
- Self-monitor for symptoms
- Do NOT recommend travel
- Practice physical distancing





Positive

41,090

47,942

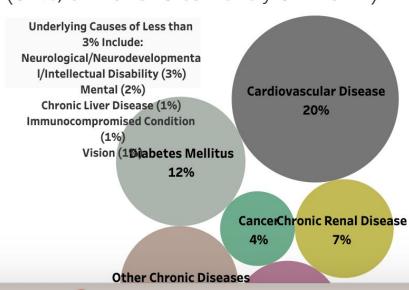
Negative

This figure includes data reported to the state by the state lab plus seven private laboratory Deaths

1,003

Underlying Conditions

(64%, 542 of 846 Currently Unknown)



What is community spread?
What are your top recommendations to avoid community spread?

Community spread:

people infected with the virus in an area

including some who are not sure how/where they became infected

What is Social Distancing?

- Creating physical distance between people who don't live together
- Community level:
 - closing schools/workplaces
 - canceling events like concerts
- Individuals
 - keeping six feet of distance between you and others while in public
 - avoiding physical contact with people who do not share your home.
- *Everyone* should limit close contact (indoors and outdoors) to family members only
 - NO dinner parties, NO play dates, NO birthday parties with a few friends

How can I help slow the spread of the virus?



Stay at home no unnecessary journeys or social contact



Only leave home for essential shopping or medical needs



You can also go out to exercise once a day



Travel to and from work only if absolutely necessary



Public gatherings of more than two people are banned excluding people you live with



Police could fine you if you don't follow the rules

STOP THE SPREAD OF GERMS Help prevent the spread of respiratory diseases like COVID-19. Cover your cough or sneeze with a tissue, Avoid close contact with people who are sick then throw the tissue in the trash. Gean and disinfect frequent osobed objects and surface Stay home when you are sick except to get medical care Wash your hands often with soap For more information: www.cdc.gov/COVID1 21

If I am in close contact with someone and <6 feet away, can I get the virus?

- Spreads between people in close contact with one another (<6 feet)
 - Infected person coughs or sneezes □ releases respiratory droplets
 - Droplets land in mouths/noses of nearby people □
 - Droplets inhaled into the lungs
- Can someone spread the virus without being sick?
 - People most contagious when they are most symptomatic (the sickest)
 - Some spread possible before people show symptoms
 - Spread from contact with contaminated surfaces or objects □
 - touch their own mouth, nose, or possibly their eyes

How long does this virus last on various surfaces?

- □ Virus may last few hours to few days on surfaces
- Clean and disinfect high-touch surfaces daily in household common areas
 - □ e.g. tables, hard-backed chairs, doorknobs, light switches, remotes, handles, desks, toilets, sinks
- ☐ Isolate sick persons in a specific room if possible
- □ Reduce cleaning frequency to as-needed (e.g., soiled items and surfaces) to avoid unnecessary contact with the ill person
- ☐ If a separate bathroom is not available, the bathroom should be cleaned and disinfected after each use by an ill person.



How many times should I be washing my hands each day?

How long should I wash my hands for?

- Wash hands often
 - At least 20 seconds (soap and water)
 - Sing a fun song while you are washing your hands with your children
 - "Happy Birthday" Song twice
 - Hand sanitizer (at least 60% alcohol)
- -Avoid touching your eyes, nose, mouth



What surfaces in my home are most likely to carry the virus? I'm changing and washing our sheets daily, is this necessary?

- **Bedsheets**: if no one is sick at home, do not need to wash daily
- For clothing, towels, linens:
 - Do not shake dirty laundry.
 - Wash per manufacturer's instructions
 - Use warmest appropriate water setting
 - dry items completely
 - Dirty laundry from an ill person can be washed with others'

CLEANING FOR COVID-19

COVID-19 (novel coronavirus 2019) is a respiratory illness that primarily spreads through the air and through personal contact with surfaces and infected people. COVID-19 is an enveloped virus, meaning it is easily compromised by proper cleaning and sanitizing. It is unknown how long COVID-19 can survive on surfaces, but it is recommended to clean and sanitize high contact surfaces at home, school, and the work place.



Remove visible soil and dirt from surfaces using soap and water.



Apply an EPA registered disinfectant to kill pathogens, including COVID-19. Common cleaners include:

- Clorox Disinfecting Wipes
- Lysol Brand Bleach Multi-Purpose Cleaner
- Purell Multi Surface Disinfectant



For effective sanitizing, wait the proper contact time as indicated on the product label.





What items should I keep in my home in case I develop symptoms?

- Stay informed
 - CDC has great resources
- Stay in touch
 - Create an emergency contact list
- Prepare for possible illness
 - If possible, have a room designated where sick individuals can be separated from others.

Clean and disinfect frequently touched objects and surfaces

Cleaning products
Use EPA-registered
disinfectants

https://www.epa.gov/pesticide-registration/list-n-disinfectants-use-against-sars-cov-2

Supportive care:

Tylenol Fluids

Do I need to wear gloves?

No need for gloves at home

Practice frequent handwashing/hand sanitizer

However, if you do use them, they CANNOT be used over and over again.

Best to instead wash hands frequently and/or use hand sanitizer



Do I need to wear a mask?

- cloth face coverings in public settings (e.g., grocery stores and pharmacies)
 - fashioned from household items
 - voluntary public health measure
 - **especially** in areas of significant community-based transmission
 - slows spread of the virus
 - help people who may be infected and not know it from transmitting it to others
- Continue 6-feet social distancing remains important to slowing the spread of the virus
- Cloth face coverings not surgical masks or N-95 respirators.

Supporting Myself, My Family & My Community

CAN I GO OUTDOORS? YES!!!

- Choose parks, open fields, hiking trails
- AVOID playgrounds:
 - More crowded
 - Contaminated surfaces
- SAFE: running, walking, and biking +/- household member
- SAFE to drive





Wash your hands as soon as you get home!



How can I best protect myself when grocery shopping?

- Go during off-peak hours (less crowded)
- Wipe down handles on shopping cart
- Try not to touch your face while shopping
- Wash your hands before and after going
- Maintain a distance of at least 6 feet from others
- After you unpack food at home, wash your hands again

Can I order take-out or delivery? Is this safe? If so, what precautions should I take?

- Main risk from ordering food get virus from infected delivery person if they sneeze or cough on you (virus spreads mostly by person-to-person contact)
- Less likely to get virus from touching contaminated packing
- No risk of contacting virus by eating it in cooked food
- Small risk by touching raw food that virus was and then touching your face
- Ordering is generally safer than going to grocery store or restaurant (less contact with people)



503 WESTSIDE AVE.

201-433-8517

C TOWN FRESH

201-360-3781

759 WEST SIDE AVE.





How to protect seniors
+ high risk individuals
while grocery
shopping?

ADVISORIES & UPDATES

jcnj.org/coronavirus

- Go during reserved hours
- Shop online:
 - outside pick up service
 - delivery to your door

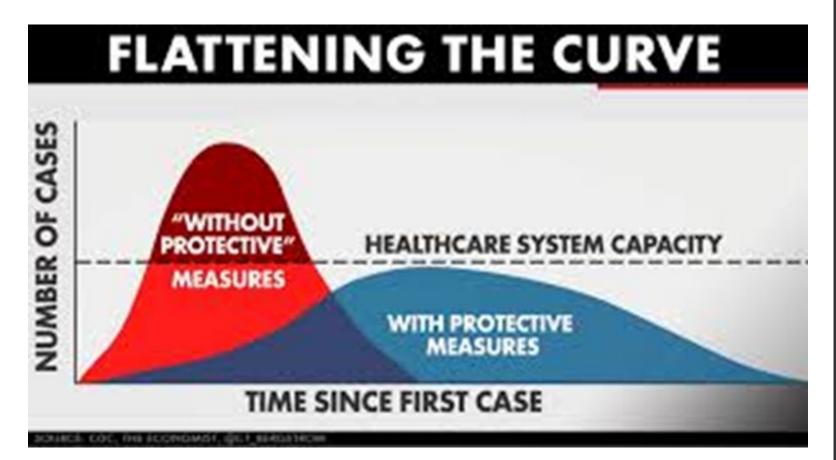
If I am not exhibiting any symptoms, but I have been out in public, can I be around other people like my grandparents?

- Stay away from nursing homes, retirement or long-term care facilities
- Older adults should avoid contact with children
 - minimize risk of child without symptoms passing on disease to their grandparents
- How to help the elderly?
 - virtual visits set up FaceTime calls
 - care packages for elderly relatives
 - Offer to do their grocery shopping



How long do you think social distancing will last? How long will it take for the virus to disappear?

- Physical distancing only thing that currently works
- Vaccine?
- Herd Immunity?





Should I go to work if there is an outbreak in my community?

Stay home if you can

Talk to your employer to discuss:

working from home taking leave if you or someone in your household gets sick with CoVID19 symptoms

Will warm weather stop the outbreak of COVID-19?

Dr. Anthony S. Fauci (director of the National Institute of Allergy and Infectious Diseases - March 24, 2020):

seasonal cycle to the pandemic is possible

could ease in parts of North America and Europe during the summer months

although it could then come roaring back in the fall

COUNTRIES AND TERRITORIES WITH CONFIRMED CASES



Stress & Coping During COVID-19 Pandemic

- Stress during an infectious disease outbreak can include:
- Fear and worry about your own health and the health of your loved ones
- Changes in sleep or eating patterns
- Difficulty sleeping or concentrating
- Worsening of chronic health problems
- Increased use of alcohol, tobacco or drugs

- Things you can do to support yourself
- Take breaks from watching, reading, or listening to news stories, including social media
- Connect with others





Older adults and people with disabilities - increased risk for mental health concerns, such as depression.

High risk for illness + stress:



Mental health problems can present as physical complaints (such as headaches or stomachaches) or cognitive problems (such as having trouble concentrating).



Doctors may miss mental health concerns among:

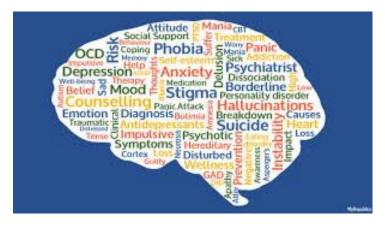
- -disabilities (focus on underlying health condition?)
- -older adults (normal aging?)

What resources for teletherapy are available for mental health needs?

- American Counseling Association:
- o Take Care of Your Emotional Health

American Psychological Association

• o Ways to View Coverage of the Coronavirus



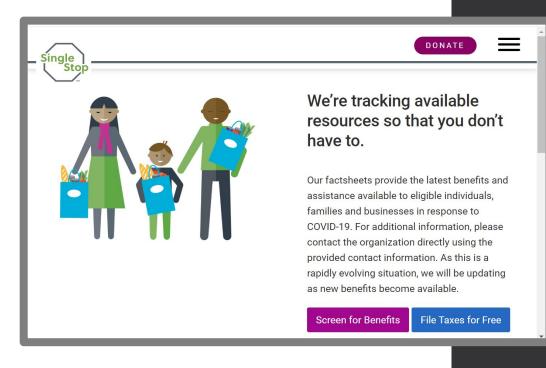


- Anxiety and Depression Association of America
- o <u>Coronavirus Anxiety:</u> <u>Expert Tips and Resources</u>
- Center for Disease Control
 - Stress & Coping
 - Taking Care of Your Emotional Health:
- SAMSHA (Substance Abuse and Mental Health Administration
 - Tips for Social
 Distancing,
 Quarantine, and
 Isolation: Taking Care of Your Mental Health

COVID-19 Resources for Families

https://singlestop.org/covid19/

- assistance to eligible individuals, families, businesses in response to COVID-19
- NJ-specific Factsheet with resources
- Screening tool for benefits (food, housing, medical, etc.)
- Search tool for local resources
- NJ211 live assistance info:
 - general information /resources for basic needs, dial 211
 - To speak with a health care professional, call 1-800-962-1253
- Text "NJCOVID" to 898-211 to receive texts regarding updates and alerts as it relates to COVID-19





Questions?

Thank you!