



Department
of Health

An Update for Healthcare Providers on the Novel Coronavirus February 3, 2020

Co-hosted by the New York State Department
of Health and the New York City Department of
Health and Mental Hygiene

An Update for Healthcare Providers on the Novel Coronavirus (2019-nCoV)

The New York State Department of Health and New York City Department of Health & Mental Hygiene will present updates on the outbreak, review new guidance from the Centers for Disease Control & Prevention, and discuss infection control considerations.

Date: Monday, 2/3/20

Time: 4 PM- 5 PM

[Register for WebEx](#)

For audio, please call 844-512-2950



Speakers:

Brad Hutton, MPH

Deputy Commissioner for Public Health
New York State Department of Health

Demetre Daskalakis, MD, MPH

Deputy Commissioner, Division of Disease Control
New York City Department of Health & Mental Hygiene

Dan Kuhles, MD, MPH

Director, Bureau of Communicable Disease Control
New York State Department of Health

Emily Lutterloh, MD, MPH

Director, Bureau of Healthcare Associated Infections
New York State Department of Health



AN UPDATE ON THE NOVEL CORONAVIRUS (2019- NCOV)

Demetre Daskalakis, MD, MPH

Deputy Commissioner, Division of Disease Control

New York City Department of Health & Mental Hygiene
(DOHMH)

February 3, 2020

Disclaimer

- The situation is rapidly evolving, as is our understanding of this new virus (called 2019-novel Coronavirus or 2019-nCoV)
- All of the information presented is based on our best knowledge as of this week

If a Person Under Investigation (PUI) is Identified

In New York City:

Notify the NYC DOHMH provider access line



1-866-NYC-DOH1 or 1-866-692-3641

works 24 hours/day x 7 days/week

In New York State:

Notify your County Health Department

Use link to find your County's phone number:

https://www.health.ny.gov/contact/contact_information/

Person Under Investigation (PUI)

Clinical Features	&	Epidemiologic Risk
Fever ¹ or signs/symptoms of lower respiratory illness (e.g. cough or shortness of breath)	AND	Any person, including health care workers, who has had close contact ² with a laboratory-confirmed ^{3,4} 2019-nCoV patient within 14 days of symptom onset
Fever ¹ and signs/symptoms of a lower respiratory illness (e.g., cough or shortness of breath)	AND	A history of travel from Hubei Province , China within 14 days of symptom onset
Fever ¹ and signs/symptoms of a lower respiratory illness (e.g., cough or shortness of breath) requiring hospitalization ⁴	AND	A history of travel from mainland China within 14 days of symptom onset

<https://www.cdc.gov/coronavirus/2019-nCoV/hcp/clinical-criteria.html#criteria-evaluation-pui>

Anticipated 2019-nCoV Quarantine Guidance

- Individuals who have been in **Hubei Province, China** are to have a **mandatory quarantine** for 14 days after leaving China
- Individuals who have been elsewhere in **Mainland China** are to **self-monitor** for fever and illness with **voluntary home quarantine** for 14 days after leaving China.
- Risk-based guidance on recommendations for movement and public activity are forthcoming from CDC

Resources for additional information

NYC DOHMH:

<https://www1.nyc.gov/site/doh/providers/health-topics/novel-respiratory-viruses.page>

Subscribe to the NYC DOHMH Health Alert Network:

<https://www1.nyc.gov/site/doh/providers/resources/health-alert-network.page>

NY State DOH:

<https://www.health.ny.gov/diseases/communicable/coronavirus/>

CDC:

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



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2019 Novel Coronavirus

Dan Kuhles, MD, MPH

**Director, Bureau of Communicable Disease Control
New York State Department of Health**

Providers And Facilities Caring For Individuals Who Reside Outside Of NYC

- Patients who meet criteria as a Patient Under Investigation should:
 - Follow CDC's recommended infection prevention and control guidelines.
 - Immediately notify your infection preventionist.
 - Immediately report to the LHD where the patient resides.
 - Providers who are unable to reach the LHD can contact the NYSDOH Bureau of Communicable Disease Control at **518-473-4439** during business hours or the NYSDOH Public Health Duty Officer at **1-866-881-2809** evenings, weekends, and holidays.



PUI Reporting And Testing: New York State

- Patients will be evaluated and discussed with LHD and/or NYSDOH staff on a case-by-case basis.
- Testing decisions may be further informed by the clinical presentation or exposure history (e.g., uncertain travel or exposure), and the presence of an alternative diagnosis that explains their clinical presentation.
- Criteria are subject to change as additional information becomes available.

PUI Reporting And Testing: New York State

- Notification is required under the New York State Sanitary Code (10NYCRR 2.10).
 - 2019-nCoV added via Commissioner's Emergency Designation.
- LHD/NYSDOH will assist providers in determining and accessing laboratory testing for respiratory pathogens and if indicated, 2019-nCoV.
- Specimen collection and shipping instructions will also be provided.
 - 2019 nCoV RT-PCR anticipated to be available at the Wadsworth Center soon.
 - CDC will not accept specimens directly shipped from a healthcare facility or provider. All specimens approved for testing at CDC must be shipped through the Wadsworth Center.

2019 nCoV: Evolving Knowledge Base

- Case Fatality Rate (CFR) Estimate: 11%
 - Jan 24 [Lancet](#)
- R-nought (R_0) estimate: 2.2
 - Jan 29 [NEJM](#)
- Asymptomatic Transmission
 - Jan 30 [NEJM letter](#)
- Plans for remdesivir trial in China
 - Jan 31 [Gilead Press Release](#)
- CDC nCoV [Publications Page](#)



Movement and Monitoring Restrictions

- On 1/31, HHS Secretary Azar declared a public health emergency in the U.S.
- Additionally, the President has signed a Presidential Proclamation, using authority pursuant to Section 212(f) and 215(a) of the Immigration and Nationality Act (INA), 8 U.S.C. 1182(f) and 1185(a), and section 301 of title 3, United States Code, temporarily suspending the entry into the U.S. of foreign nationals who pose a risk of transmitting 2019-nCoV.

Movement and Monitoring Restrictions

- On 2/2, the federal government began implementation of temporary movement and monitoring restrictions on certain individuals.
 - Any U.S. citizen returning to the U.S. who has been in Hubei Province in the previous 14 days will be subject to up to 14 days of mandatory quarantine, to ensure they're provided proper medical care and health screening.
 - Any U.S. citizen returning to the U.S. who has been in the rest of mainland China within the previous 14 days will undergo proactive entry health screening at a select number of ports of entry and up to 14 days of monitored self-quarantine to ensure they have not contracted the virus and do not pose a public health risk.
 - Foreign nationals, other than immediate family of U.S. citizens and permanent residents, who have traveled to China within the last 14 days will be denied entry into the U.S. for this time.

Movement and Monitoring Restrictions

- CDC and Customs and Border Patrol (CBP) are continuing to identify and screen travelers who have recently been in China at JFK, EWR and other airports in the U.S.
- NYSDOH is working closely with the New York City Department of Health and Mental Hygiene, Port Authority of New York and New Jersey and other public health partners to address CDC's and CBP's efforts at JFK and to implement the movement and monitoring restrictions.
 - Specific guidance for healthcare workers is expected soon.



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Infection Control

Emily Lutterloh, MD, MPH

Director, Bureau of Healthcare Associated Infections

New York State Department of Health

Infection Control

- Current CDC recommendations
- Still “interim”, recently expanded from one paragraph to several pages
 - <https://www.cdc.gov/coronavirus/2019-nCoV/hcp/infection-control.html>



Screening

- Notify before arrival
- Wide spectrum of illness
 - Clinics, urgent care, emergency departments
- Screening protocols
 - Ask about travel
 - Post signage

**ATTENTION
ALL PATIENTS**

If you have
traveled internationally
or had close contact
with someone who
recently traveled
internationally
and was ill



And you have:
fever, cough, trouble breathing, rash, vomiting or diarrhea



PLEASE TELL STAFF IMMEDIATELY!



**所有患者
请注意**

如果您
进行了国际旅行
或与近期进行了
国际旅行并患病
的人员有近距离接触



并且您有:
发烧、咳嗽、呼吸困难、皮疹、呕吐或腹泻等症状



请立即告知工作人员!



Patient Placement

- Patients of concern should be asked to wear a surgical mask as soon as they are identified
- Evaluate in:
 - Ideally, an airborne infection isolation room (AIIR, aka negative pressure room)
or, if no AIIR available
 - A private room with the door closed and a facemask on the patient
 - Ideally, room where exhaust is not recirculated without HEPA filtration



Patient Placement

- Unknown how long 2019-nCoV remains infectious in the air
- AIIR
 - For airborne pathogens, restrict use until enough air changes to remove pathogens
- Often estimate 2 hours

Precautions

- PPE
 - Standard precautions
 - Contact precautions (gown, gloves)
 - Airborne precautions (fit-tested N95 or PAPR or better)
 - Eye protection (goggles or face shield)
- Minimize number of providers and keep a log of those entering room

Notify

- Immediately notify your infection control personnel and local health department

Patient-Care Equipment

- Dedicated
or
- Disposable
or
- Cleaned and disinfected per
manufacturer's instructions

Aerosol-Generating Procedures

- Examples: sputum induction, open suctioning of airways
- Perform in AIIR
- Limit number of personnel

Specimen Collection

- For NP and OP swabs and sputum collection:
 - Limit personnel in the room
 - Collect in AIIR or exam room with door closed
 - Wear PPE (gown, gloves, N95, eye protection)

Visitors

- Screen visitors for risk and symptoms
- CDC now recommending visitor restrictions
 - Video call, etc.
- Instruct on hand hygiene, limit touching surfaces, PPE use per facility policy
- Limit movement within facility
- Log visitors

Environment

- Routine environmental cleaning and disinfection with an EPA-registered, hospital-grade disinfectant
 - Emerging viral pathogen claim for 2019-nCoV via technical communication
- or, if none of the above available,
 - Label claim against human coronaviruses

Environment

- Per CDC, routine treatment of waste, linens, food service items
 - Currently, no change in what constitutes regulated medical waste
 - Err on the side of caution
 - Watch for changes
 - Your medical waste disposal company might provide additional guidance for regulated medical waste

Infection Control: Disposition

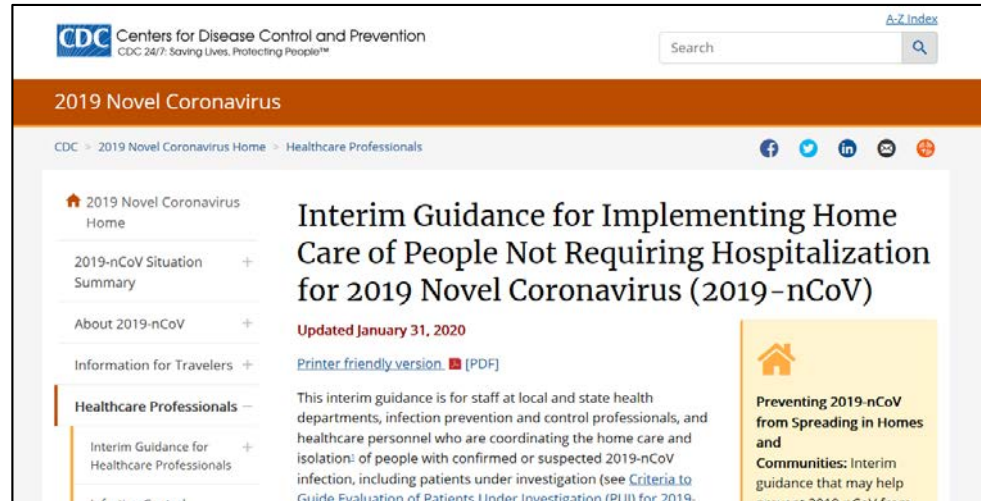
- If to be discharged or transferred for additional evaluation or care:
 - Coordinate with local health department
 - Ensure EMS and receiving facility are aware of precautions and public health involvement
 - Do not release without approval from public health

Health Care Personnel Exposure

- Await guidance on details of HCP monitoring (who, how, etc.)
- You might need to monitor staff if you have a confirmed case(s)
- Now is the time to:
 - Verify contact information for your HCP
 - Review your monitoring plans

Infection Control at Home

- CDC interim recommendations
 - <https://www.cdc.gov/coronavirus/2019-ncov/guidance-home-care.html>



Infection Control at Home

- CDC interim recommendations
 - <https://www.cdc.gov/coronavirus/2019-ncov/guidance-prevent-spread.html>

The screenshot shows the CDC website's '2019 Novel Coronavirus' page. The header includes the CDC logo and a search bar. The main heading is '2019 Novel Coronavirus'. Below it, a breadcrumb trail reads 'CDC > 2019 Novel Coronavirus Home > Healthcare Professionals > Implementing Home Care'. The left sidebar contains links: '2019 Novel Coronavirus Home', '2019-nCoV Situation Summary', 'About 2019-nCoV', 'Information for Travelers', and 'Healthcare Professionals'. The main content area is titled 'Interim guidance for persons who may have 2019 Novel Coronavirus (2019-nCoV) to prevent spread in homes and residential communities'. It includes a 'Simplified Chinese Translation' link and a date of 'February 1, 2020'. The text states: 'This interim guidance is based on what is currently known about the epidemiology of 2019-nCoV and the transmission of other viral respiratory infections. CDC will update this interim guidance as needed and as additional information becomes available.'

The screenshot shows the same CDC website page but in Chinese. The header and breadcrumb trail are identical. The left sidebar contains links: '2019 Novel Coronavirus Home', '2019-nCoV Situation Summary', 'About 2019-nCoV', 'Information for Travelers', and 'Public Health Professionals'. The main content area is titled '预防 2019 年新型冠状病毒 (2019-nCoV) 传播给家庭和社区中其他人的暂行指南'. It includes an 'English' link and the same date of 'February 1, 2020'. The text states: '本暂行指南基于目前已知的有关 2019 年新型冠状病毒 (2019-nCoV) 和其他病毒的呼吸道感染传播情况。美国疾病控制与预防中心 (CDC) 将根据需要并在获得更多信息时，更新此暂行指南。' and '冠状病毒是一大类病毒，其中一些会导致人类患病，而另一些则在动物（包括骆驼、猫和蝙蝠）之间传播。在罕见情况下，动物冠状病毒能进化并感染人类，然后在人群中传播，例如在中东呼吸综合征 (MERS) 和严重急性呼吸综合征 (SARS) 中所见的情况。2019-nCoV 的人传人可能性尚不明确。以下暂行指南可能有助于预防这种病毒在家庭和社区的人群中传播。' and '此暂行指南适用于以下情况：'

Infection Control: To do

- Review CDC interim recommendations
 - Check back for changes
- Plan for monitoring in case of HCP exposures
- Outpatient settings – check your PPE availability
- Make sure you have handy the number and after-hours number for your local health department



Questions?