

## **Michigan Interim 2019 Novel Coronavirus (COVID-19) Person Under Investigation (PUI)/Case Report Form Cover Sheet**

Please use the attached Human Infection with 2019 Novel Coronavirus Person Under Investigation (PUI) and Case Report Form. If you are a healthcare provider with a suspect COVID-19 PUI, contact your local health department (LHD). The LHD can provide consultation on COVID-19 testing, coordinate notification to MDHHS, and guide the specimen submission process. If you are unable to reach an LHD after repeated attempts, please call the Michigan Department of Health and Human Services (MDHHS) Communicable Disease (CD) Division at: (517) 335-8165 during business hours, or at: (517) 335-9030 after-hours and on holidays.

After notification of a PUI from a physician, the LHD should enter the patient into the Michigan Disease Surveillance System (MDSS) under "Novel Coronavirus" and assign an nCoV ID number (MI-MDSS Investigation ID). If specimens are being submitted to the MDHHS Bureau of Laboratories (BOL), the MDSS Novel Coronavirus detail form should indicate "Specimens to BOL" in the "Local 1" field. The PUI must be entered into the MDSS and the nCoV ID number MUST be assigned prior to submitting specimens to the MDHHS BOL. The MDHHS CD Division will notify the MDHHS BOL that specimens are being submitted.

### **Evaluating and Reporting Persons Under Investigation (PUI)**

Limited information is available to characterize the spectrum of clinical illness associated with coronavirus disease 2019 (COVID-19). No vaccine or specific treatment for COVID-19 is available; care is supportive. The CDC clinical criteria for a COVID-19 person under investigation (PUI) have been developed based on what is known about COVID-19 and are subject to change as additional information becomes available.

### **Criteria to Guide Evaluation of PUI for COVID-19**

As availability of diagnostic testing for COVID-19 increases, clinicians will be able to access laboratory tests for diagnosing COVID-19 through clinical laboratories performing tests authorized by FDA under an Emergency Use Authorization (EUA). Clinicians will also be able to access laboratory testing through public health laboratories in their jurisdictions.

This expands testing to a wider group of symptomatic patients. Clinicians should use their judgment to determine if a patient has signs and symptoms compatible with COVID-19 and whether the patient should be tested. Decisions on which patients receive testing should be based on the local epidemiology of COVID-19, as well as the clinical course of illness. Most patients with confirmed COVID-19 have developed fever<sup>1</sup> and/or symptoms of acute respiratory illness (e.g., cough, difficulty breathing). Clinicians are strongly encouraged to test for other causes of respiratory illness, including infections such as influenza.

Epidemiologic factors that may help guide decisions on whether to test include: any persons, including healthcare workers<sup>2</sup>, who have had close contact<sup>3</sup> with a laboratory-confirmed<sup>4</sup> COVID-19 patient within 14 days of symptom onset, or a history of travel from affected geographic areas<sup>5</sup> (see below) within 14 days of symptom onset.

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## Footnotes

<sup>1</sup>Fever may be subjective or confirmed

<sup>2</sup>For healthcare personnel, testing may be considered if there has been exposure to a person with suspected COVID-19 without laboratory confirmation. Because of their often extensive and close contact with vulnerable patients in healthcare settings, even mild signs and symptoms (e.g., sore throat) of COVID-19 should be evaluated among potentially exposed healthcare personnel. Additional information is available in CDC's [Interim U.S. Guidance for Risk Assessment and Public Health Management of Healthcare Personnel with Potential Exposure in a Healthcare Setting to Patients with Coronavirus Disease 2019 \(COVID-19\)](#).

<sup>3</sup>Close 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 healthcare 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)

If such contact occurs while not wearing recommended personal protective equipment or PPE (e.g., gowns, gloves, NIOSH-certified disposable N95 respirator, eye protection), criteria for PUI consideration are met.

Additional information is available in CDC's updated [Interim Infection Prevention and Control Recommendations for Patients with Confirmed COVID-19 or Persons Under Investigation for COVID-19 in Healthcare Settings](#).

Data to inform the definition of close contact are limited. Considerations when assessing close contact include the duration of exposure (e.g., longer exposure time likely increases exposure risk) and the clinical symptoms of the person with COVID-19 (e.g., coughing likely increases exposure risk as does exposure to a severely ill patient). Special consideration should be given to healthcare personnel exposed in healthcare settings as described in CDC's [Interim U.S. Guidance for Risk Assessment and Public Health Management of Healthcare Personnel with Potential Exposure in a Healthcare Setting to Patients with COVID-19](#).

<sup>4</sup>Documentation of laboratory-confirmation of COVID-19 may not be possible for travelers or persons caring for COVID-19 patients in other countries.

<sup>5</sup>Affected areas are defined as geographic regions where sustained community transmission has been identified. Relevant affected areas will be defined as a country with at least a CDC Level 2 Travel Health Notice. See all [COVID-19 Travel Health Notices](#).

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Person Under Investigation (PUI)/Case Report Form Cover Sheet**

**The completed PUI/Case Report form with intact cover sheet (with patient identifiers below) should be uploaded to the Michigan Disease Surveillance System (MDSS).**

**Patient Information:**

First name: \_\_\_\_\_ Last name: \_\_\_\_\_

nCoV ID#: MI-\_\_\_\_\_

(Note: An nCoV ID # must be assigned prior to specimens being submitted from the healthcare facility to the MDHHS BOL for COVID-19 testing)

MDSS ID number (MDHHS/LHD use): \_\_\_\_\_

Date of birth: \_\_\_\_/\_\_\_\_/\_\_\_\_ Age: \_\_\_\_ Sex:  Female  Male

Patient residence street address: \_\_\_\_\_ City: \_\_\_\_\_

County: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Patient phone number(s): \_\_\_\_\_/\_\_\_\_\_

Patient hospital ID (Medical Record) number: \_\_\_\_\_

Reporting healthcare facility: \_\_\_\_\_

Reporting healthcare facility contact name and title: \_\_\_\_\_

Healthcare facility contact phone number: \_\_\_\_\_

Please provide reason for testing:

Close contact with a laboratory confirmed COVID-19 patient within 14 days of symptom onset

History of travel from a country with a CDC Health Travel Alert Level 2 or higher within 14 days of symptom onset

History of travel from a U.S. State with confirmed cases of COVID-19 within 14 days of symptom onset

Severe acute lower respiratory illness (e.g., pneumonia, ARDS) requiring hospitalization and without alternative explanatory diagnosis (e.g., influenza)

Other (please specify): \_\_\_\_\_

For additional information about 2019 Novel Coronavirus (COVID-19), please see:

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

<https://www.michigan.gov/coronavirus>

.....PATIENT IDENTIFIER INFORMATION IS NOT TRANSMITTED TO CDC.....

Patient first name \_\_\_\_\_ Patient last name \_\_\_\_\_ Date of birth (MM/DD/YYYY): \_\_\_\_/\_\_\_\_/\_\_\_\_

.....PATIENT IDENTIFIER INFORMATION IS NOT TRANSMITTED TO CDC.....



# Human Infection with 2019 Novel Coronavirus Person Under Investigation (PUI) and Case Report Form

Reporting jurisdiction: \_\_\_\_\_ Case state/local ID: \_\_\_\_\_  
Reporting health department: \_\_\_\_\_ CDC 2019-nCoV ID: \_\_\_\_\_  
Contact ID <sup>a</sup>: \_\_\_\_\_ NNDSS loc. rec. ID/Case ID <sup>b</sup>: \_\_\_\_\_

a. Only complete if case-patient is a known contact of prior source case-patient. Assign Contact ID using CDC 2019-nCoV ID and sequential contact ID, e.g., Confirmed case CA102034567 has contacts CA102034567 -01 and CA102034567 -02. <sup>b</sup>For NNDSS reporters, use GenV2 or NETSS patient identifier.

## Interviewer information

Name of interviewer: Last \_\_\_\_\_ First \_\_\_\_\_

Affiliation/Organization: \_\_\_\_\_ Telephone \_\_\_\_\_ Email \_\_\_\_\_

## Basic information

What is the current status of this person? <input type="checkbox"/> PUI, testing pending* <input type="checkbox"/> PUI, tested negative* <input type="checkbox"/> Presumptive case (positive local test), confirmatory testing pending† <input type="checkbox"/> Presumptive case (positive local test), confirmatory tested negative† <input type="checkbox"/> Laboratory-confirmed case† *Testing performed by state, local, or CDC lab. †At this time, all confirmatory testing occurs at CDC  Report date of PUI to CDC (MM/DD/YYYY): ____/____/____  Report date of case to CDC (MM/DD/YYYY): ____/____/____  County of residence: _____ State of residence: _____		Ethnicity: <input type="checkbox"/> Hispanic/Latino <input type="checkbox"/> Non-Hispanic/Latino <input type="checkbox"/> Not specified  Sex: <input type="checkbox"/> Male <input type="checkbox"/> Female <input type="checkbox"/> Unknown <input type="checkbox"/> Other	Date of first positive specimen collection (MM/DD/YYYY): ____/____/____ <input type="checkbox"/> Unknown <input type="checkbox"/> N/A  Did the patient develop pneumonia? <input type="checkbox"/> Yes <input type="checkbox"/> Unknown <input type="checkbox"/> No  Did the patient have acute respiratory distress syndrome? <input type="checkbox"/> Yes <input type="checkbox"/> Unknown <input type="checkbox"/> No  Did the patient have another diagnosis/etiology for their illness? <input type="checkbox"/> Yes <input type="checkbox"/> Unknown <input type="checkbox"/> No  Did the patient have an abnormal chest X-ray? <input type="checkbox"/> Yes <input type="checkbox"/> Unknown <input type="checkbox"/> No	Was the patient hospitalized? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown  If yes, admission date 1 ____/____/____ (MM/DD/YYYY) If yes, discharge date 1 ____/____/____ (MM/DD/YYYY)  Was the patient admitted to an intensive care unit (ICU)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown  Did the patient receive mechanical ventilation (MV)/intubation? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, total days with MV (days) _____  Did the patient receive ECMO? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown  Did the patient die as a result of this illness? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown  Date of death (MM/DD/YYYY): ____/____/____ <input type="checkbox"/> Unknown date of death
Race (check all that apply): <input type="checkbox"/> Asian <input type="checkbox"/> American Indian/Alaska Native <input type="checkbox"/> Black <input type="checkbox"/> Native Hawaiian/Other Pacific Islander <input type="checkbox"/> White <input type="checkbox"/> Unknown <input type="checkbox"/> Other, specify: _____		Date of birth (MM/DD/YYYY): ____/____/____ Age: _____ Age units(yr/mo/day): _____		
Symptoms present during course of illness: <input type="checkbox"/> Symptomatic <input type="checkbox"/> Asymptomatic <input type="checkbox"/> Unknown	If symptomatic, onset date (MM/DD/YYYY): ____/____/____ <input type="checkbox"/> Unknown	If symptomatic, date of symptom resolution (MM/DD/YYYY): ____/____/____ <input type="checkbox"/> Still symptomatic <input type="checkbox"/> Unknown symptom status <input type="checkbox"/> Symptoms resolved, unknown date		
Is the patient a health care worker in the United States? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown Does the patient have a history of being in a healthcare facility (as a patient, worker or visitor) in China? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown In the 14 days prior to illness onset, did the patient have any of the following exposures (check all that apply): <input type="checkbox"/> Travel to Wuhan <input type="checkbox"/> Community contact with another lab-confirmed COVID-19 case-patient <input type="checkbox"/> Exposure to a cluster of patients with severe acute lower respiratory distress of unknown etiology <input type="checkbox"/> Travel to Hubei <input type="checkbox"/> Any healthcare contact with another lab-confirmed COVID-19 case-patient <input type="checkbox"/> Other, specify: _____ <input type="checkbox"/> Travel to mainland China <input type="checkbox"/> Patient <input type="checkbox"/> Visitor <input type="checkbox"/> HCW <input type="checkbox"/> Unknown <input type="checkbox"/> Travel to other non-US country specify: _____ <input type="checkbox"/> Household contact with another lab-confirmed COVID-19 case-patient <input type="checkbox"/> Animal exposure				
If the patient had contact with another COVID-19 case, was this person a U.S. case? <input type="checkbox"/> Yes, nCoV ID of source case: _____ <input type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> N/A				
Under what process was the PUI or case first identified? (check all that apply): <input type="checkbox"/> Clinical evaluation leading to PUI determination <input type="checkbox"/> Contact tracing of case patient <input type="checkbox"/> Routine surveillance <input type="checkbox"/> EpiX notification of travelers; if checked, DGMQID _____ <input type="checkbox"/> Unknown <input type="checkbox"/> Other, specify: _____				



CDC 2019-nCoV ID:

Form Approved: OMB: 0920-1011 Exp. 4/23/2020

## Human Infection with 2019 Novel Coronavirus Person Under Investigation (PUI) and Case Report Form

### Symptoms, clinical course, past medical history and social history

Collected from (check all that apply):  Patient interview     Medical record review

During this illness, did the patient experience any of the following symptoms?	Symptom Present?		
Fever >100.4F (38C) <sup>c</sup>	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unk
Subjective fever (felt feverish)	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unk
Chills	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unk
Muscle aches (myalgia)	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unk
Runny nose (rhinorrhea)	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unk
Sore throat	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unk
Cough (new onset or worsening of chronic cough)	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unk
Shortness of breath (dyspnea)	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unk
Nausea or vomiting	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unk
Headache	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unk
Abdominal pain	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unk
Diarrhea (≥3 loose/looser than normal stools/24hr period)	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unk
Other, specify: _____			

Pre-existing medical conditions?

Yes    No    Unknown

Chronic Lung Disease (asthma/emphysema/COPD)	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown	
Diabetes Mellitus	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown	
Cardiovascular disease	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown	
Chronic Renal disease	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown	
Chronic Liver disease	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown	
Immunocompromised Condition	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown	
Neurologic/neurodevelopmental/intellectual disability	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown	(If YES, specify) _____
Other chronic diseases	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown	(If YES, specify) _____
If female, currently pregnant	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown	
Current smoker	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown	
Former smoker	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown	

#### Respiratory Diagnostic Testing

Test	Pos	Neg	Pend.	Not done
Influenza rapid Ag <input type="checkbox"/> A <input type="checkbox"/> B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Influenza PCR <input type="checkbox"/> A <input type="checkbox"/> B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
RSV	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
H. metapneumovirus	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Parainfluenza (1-4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Adenovirus	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rhinovirus/enterovirus	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coronavirus (OC43, 229E, HKU1, NL63)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
M. pneumoniae	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C. pneumoniae	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other, Specify: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

#### Specimens for COVID-19 Testing

Specimen Type	Specimen ID	Date Collected	State Lab Tested	State Lab Result	Sent to CDC	CDC Lab Result
NP Swab			<input type="checkbox"/>		<input type="checkbox"/>	
OP Swab			<input type="checkbox"/>		<input type="checkbox"/>	
Sputum			<input type="checkbox"/>		<input type="checkbox"/>	
Other, Specify: _____			<input type="checkbox"/>		<input type="checkbox"/>	

Additional State/local Specimen IDs: \_\_\_\_\_