

CUYAHOGA COUNTY BOARD OF HEALTH

YOUR TRUSTED SOURCE FOR PUBLIC HEALTH INFORMATION

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

ODH Local Health Department Conference Call
COVID-19
March 22, 2020

General Approach

1. Isolation and contact tracing **lab-confirmed cases**
2. Isolation and contact tracing **presumptive cases**
3. Long-term care/skilled nursing facility sentinel surveillance

COVID-19 Case Definitions: Confirmed and Presumptive Cases and Contacts

Confirmed Case: Person with lab-confirmed COVID-19 infection

Presumptive Case: Person with close contact with a confirmed case during the case's symptomatic period who develops COVID-19 compatible symptoms

Case Contact: Person with close contact with a confirmed case during the case's symptomatic period

Presumptive Case Contact: Person with close contact with a presumptive case during the case's symptomatic period

General Approach

4. Cluster Investigations:

- Long-term care/skilled nursing
- Healthcare facilities
- Community clusters
 - Businesses
 - Houses of worship
 - Social groups

Cuyahoga County Board of Health Cluster Investigations

Nursing and Long Term Care Facilities with COVID-19 confirmed cases - **3**

Health Care Facilities with COVID-19 cluster Investigations - **3**

Community Clusters of COVID-19 confirmed cases - **4**

General Approach

5. High-risk cases/families

- High density; isolation/resource challenges
- Home isolation high-risk w/multiple co-morbidities
- Language needs

6. COVID-19 surveillance strategies

- Disease surveillance
- Lab surveillance
- Syndromic surveillance (ambulatory and ED)
- Hospital utilization

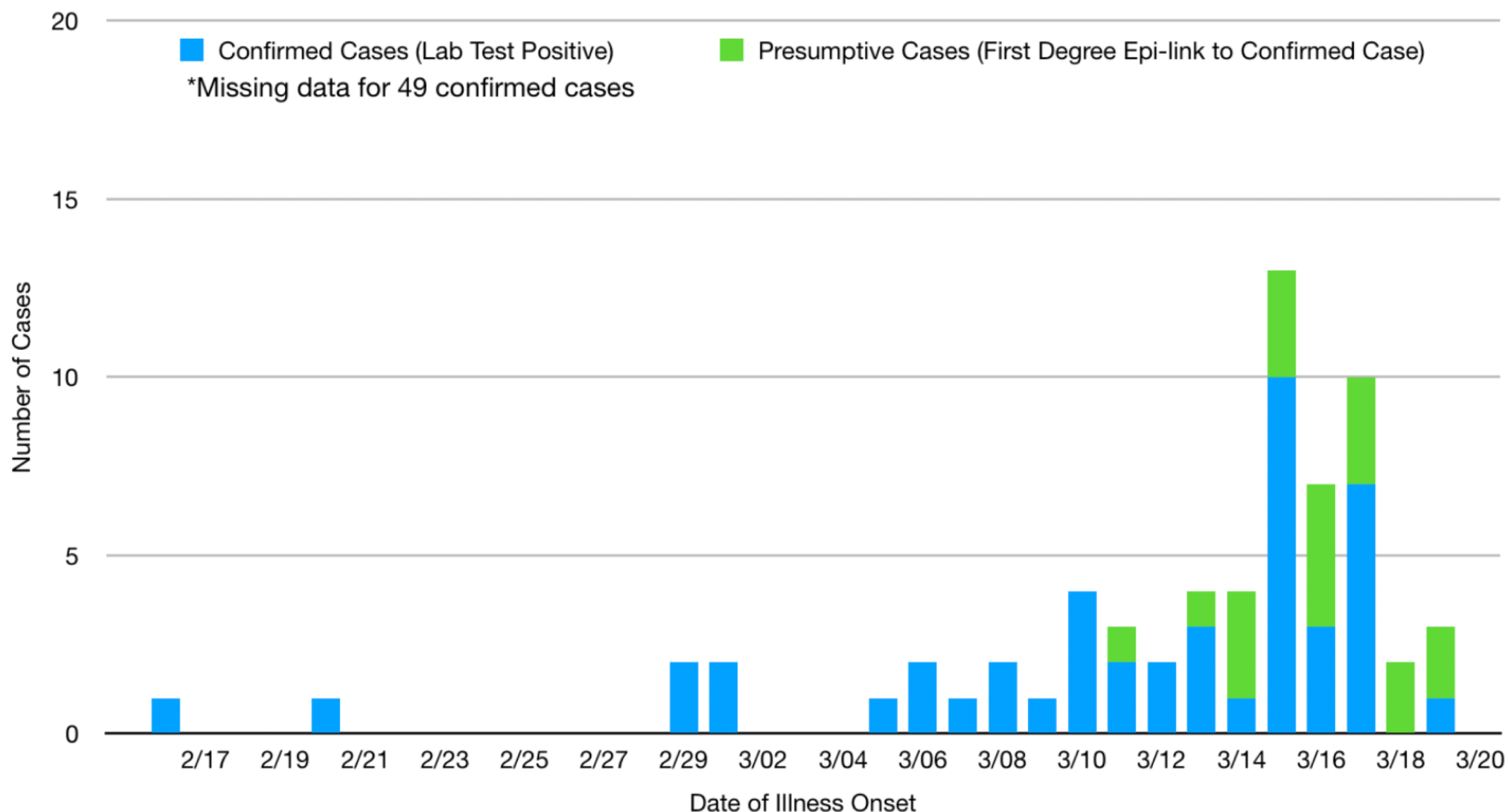
Community Limited Testing Strategy

- Testing in clinically stable possible cases within cluster investigations
- Others case by case

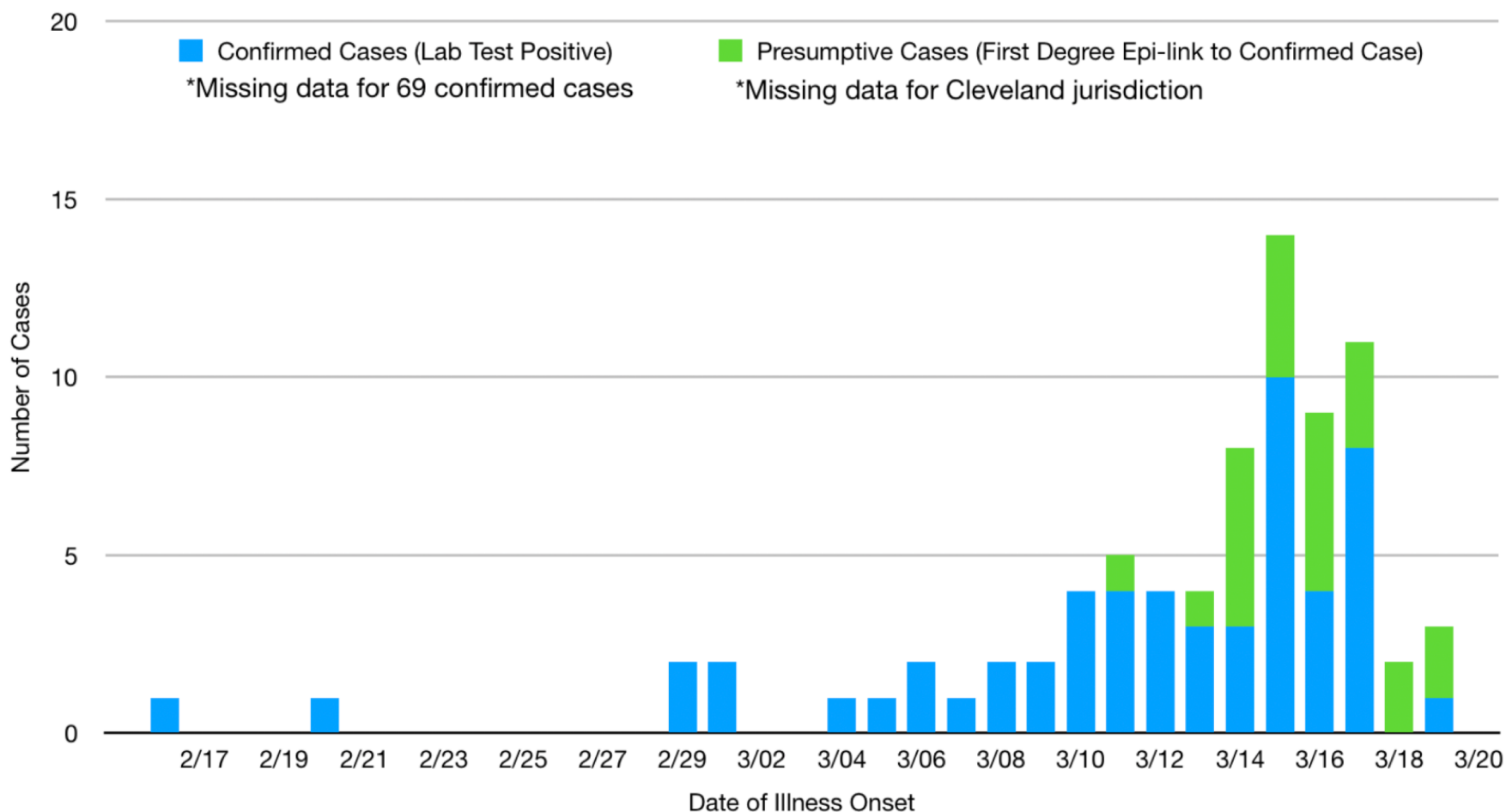
Workflow for Contacts Across Jurisdictions

- Northeast Region 3/19/2020
- Jurisdiction of lab-confirmed case handles contacts regardless of residence
 - Initial call and guidance on quarantine
 - Quarantine letter sent
- Contact's LHD jurisdiction notified if:
 1. Contact becomes symptomatic
 2. Refuses to quarantine
 3. Identifies a mass gathering
 4. Is employed in health care or as first responder
 5. Identifies resource needs

Cuyahoga County Board of Health Jurisdiction Only
COVID-19 Confirmed and Presumptive Cases
for which Date of Illness Onset is Available as of March 22 (n=114)*

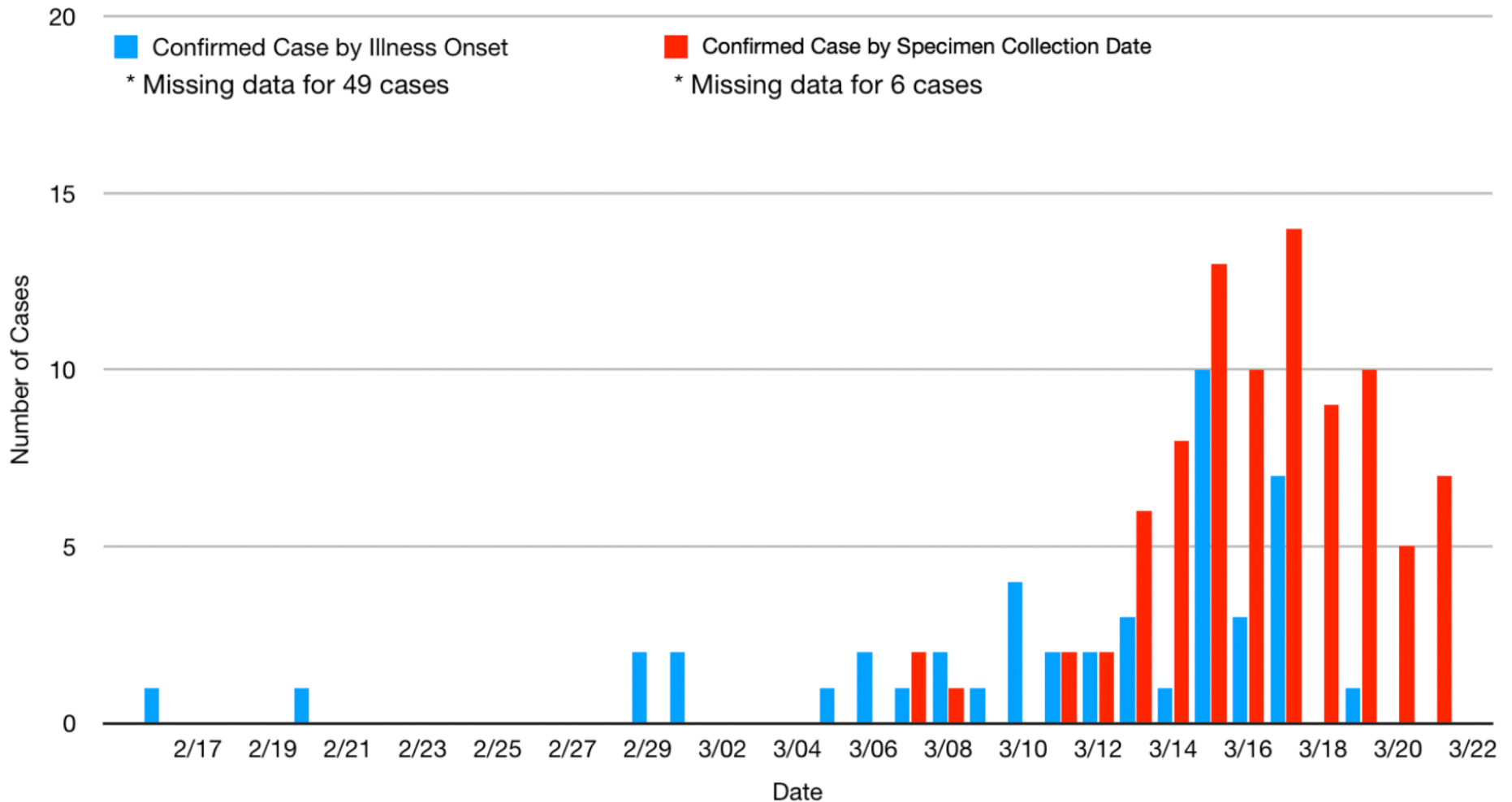


Cuyahoga County (CCBH and Cleveland) COVID-19 Confirmed and Presumptive Cases for which Date of Illness Onset is Available as of March 22 (n=148)*



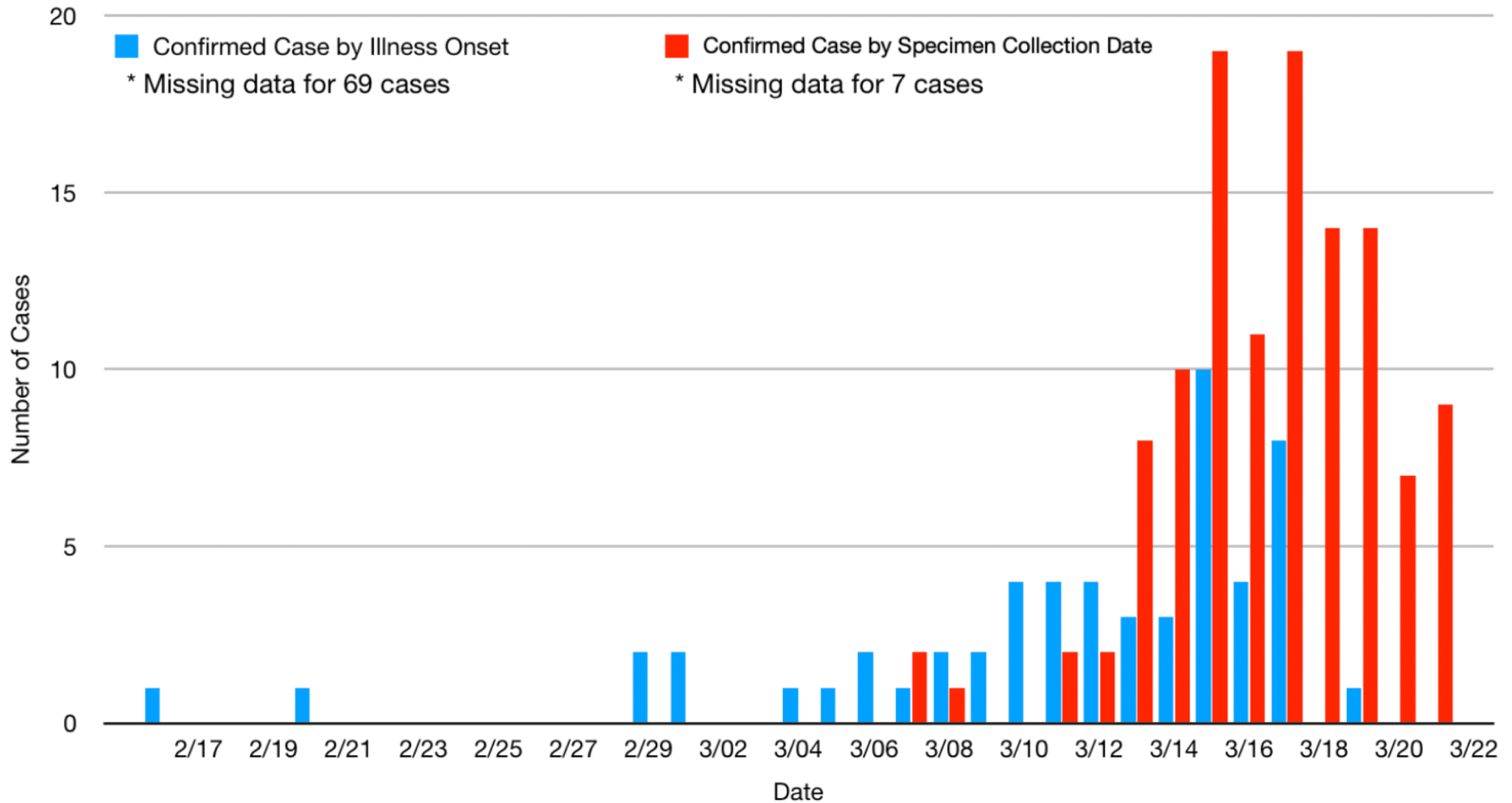
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Cuyahoga County Board of Health Jurisdiction Only COVID-19 Confirmed Cases Only by Illness Onset Date and Specimen Collection Date as of March 22 (n=95)*



Cuyahoga County (CCBH and Cleveland)

COVID-19 Confirmed Cases Only by Illness Onset Date and Specimen Collection Date as of March 22 (n=125)*



Laboratory Testing Data for Cuyahoga County Respiratory Viruses

Estimates based on incomplete data for patients tested in Cuyahoga County health facilities:

Prior to imposition of testing restrictions during the past week

Influenza test positive - **20%** of samples tested

COVID-19 positive - **3-4%** of samples tested

After imposition of testing restrictions targeting health care workers, high risk, ED and inpatients

Influenza test positive - **20%** of samples tested

COVID-19 positive - **5%** of samples tested

Clinical Illness Presentation of COVID-19 Infection

Our current case and contact investigation tools do not allow us to document the temporal trajectory of the clinical presentation. Our current data reflects the frequency of symptoms at any time during the course of the illness. Case investigators have noted an emerging pattern when attempting to discern the date of onset of illness. Cases were often prompted to seek care and testing for COVID-19 when more severe respiratory symptoms of fever, cough and shortness of breath developed. However, a more thorough history of these cases' illness seemed to suggest a prodromal syndrome as described below:

Week 1: Intermittent dry cough OR diarrhea. The mild respiratory OR GI symptoms were sometimes coupled with constitutional symptoms of fatigue or myalgias. The absence of fever and the lack of specificity of symptoms prompted the eventual lab-confirmed cases to not identify the symptoms as COVID-related and therefore these cases frequently continued normal activities during this prodromal period.

Week 2: The cases noted a significant worsening of symptoms converging into a presentation of fever and more severe respiratory symptoms irrespective of the predominance of respiratory or GI symptoms during the prodromal period.

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