

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

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

Flatten the Curve Approach
COVID-19
Updated March 30, 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
- **Case Contact:** Person with close contact with a confirmed case during the case's symptomatic period
- **Possible Case:** Person with symptoms highly suggestive of a COVID-19 infection in the absence of lab confirmed COVID-19 testing
- **Presumptive Case:** Person with symptoms known to have had close contact with a lab-confirmed case during the case's symptomatic period who has not been tested
- **Presumptive Case Contact:** Person with close contact with a presumptive case during the presumptive case's symptomatic period

**Note: CDC case presumptive case definitions (as noted on the updated PUI from released 3/29/20) relate to testing and differ from the above working definitions which are necessary for the local health department field response.*



General Approach

4. Cluster Investigations:

- Long-term care/skilled nursing
- Healthcare facilities
- Community clusters
 - Businesses
 - Houses of worship
 - Social groups
 - Congregate living
 - Vulnerable populations
- Physician lead for each cluster



General Approach

5. High-risk cases/families – registries; frequent physician contact

- High density; isolation/resource challenges
- Home isolation high-risk w/multiple co-morbidities
- Language needs
- Obstetrics
 - Proactive delivery room planning
 - Surveillance – NP/OP swab of newborn at birth
 - Research – samples at delivery for IgG testing
- Cohort on long-term hydroxychloroquine
- Possible cases in Jan/Feb before testing available

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General Approach

6. COVID-19 surveillance strategies

- Disease surveillance
- Lab surveillance
- Syndromic surveillance (ambulatory and ED)
- Hospital utilization, including LOS data
- Link to modeling for predictions guided by real-time public health data
- Partnership with researchers working on serologies

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Community Limited Testing Strategy

- Testing in clinically stable possible cases within cluster investigations
- Others case by case
- Guided by testing priorities and availability as set forth by CDC and ODH
- Unexplained deaths (coordination w ME) where high index of suspicion for COVID-19

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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

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