

# COVID-19

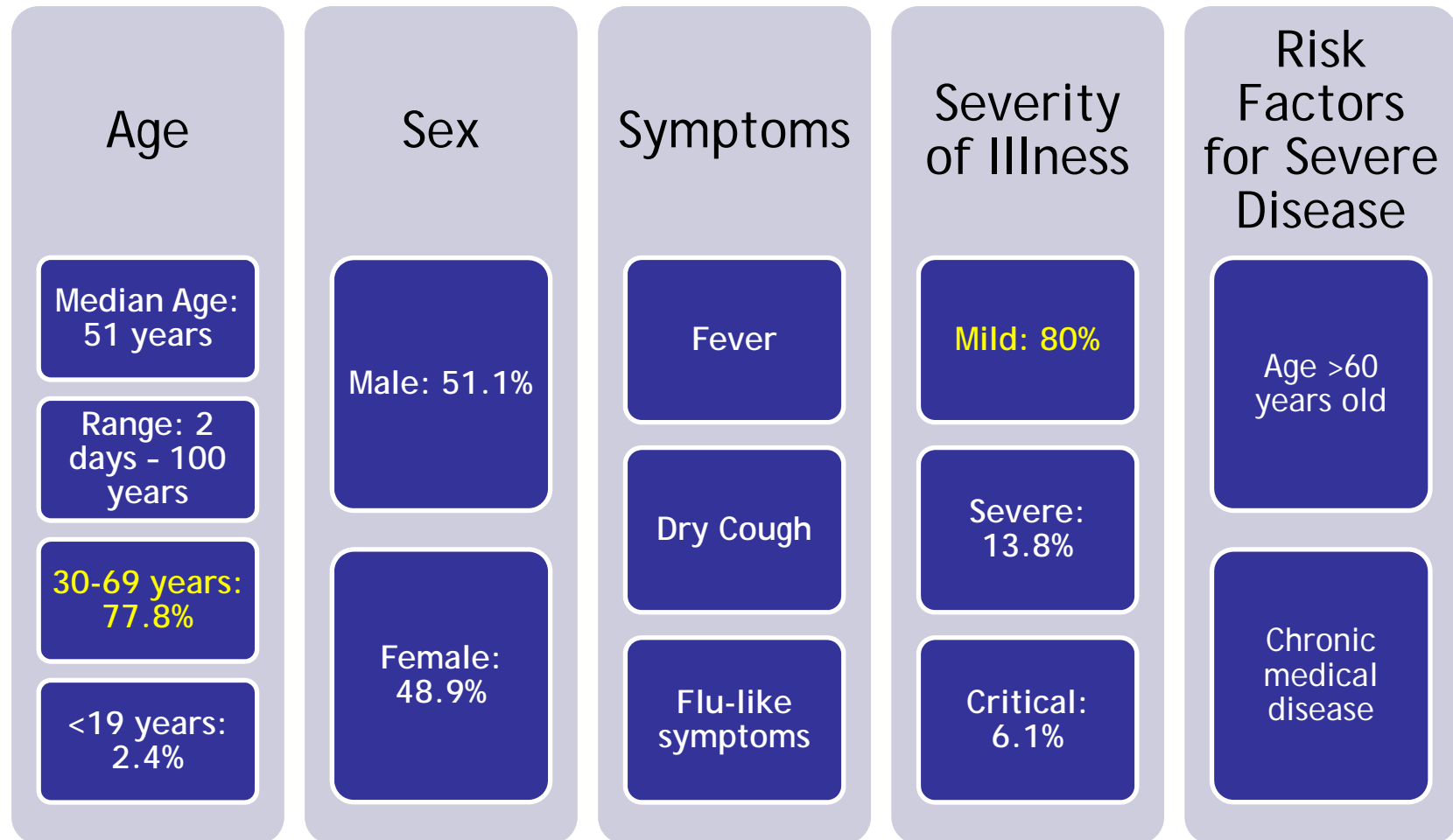
## Partner Agency Update

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State Epidemiologist  
Virginia Department of Health

March 6, 2020

# Epidemiology of China's COVID-19 Outbreak

(As of 2/20/20)



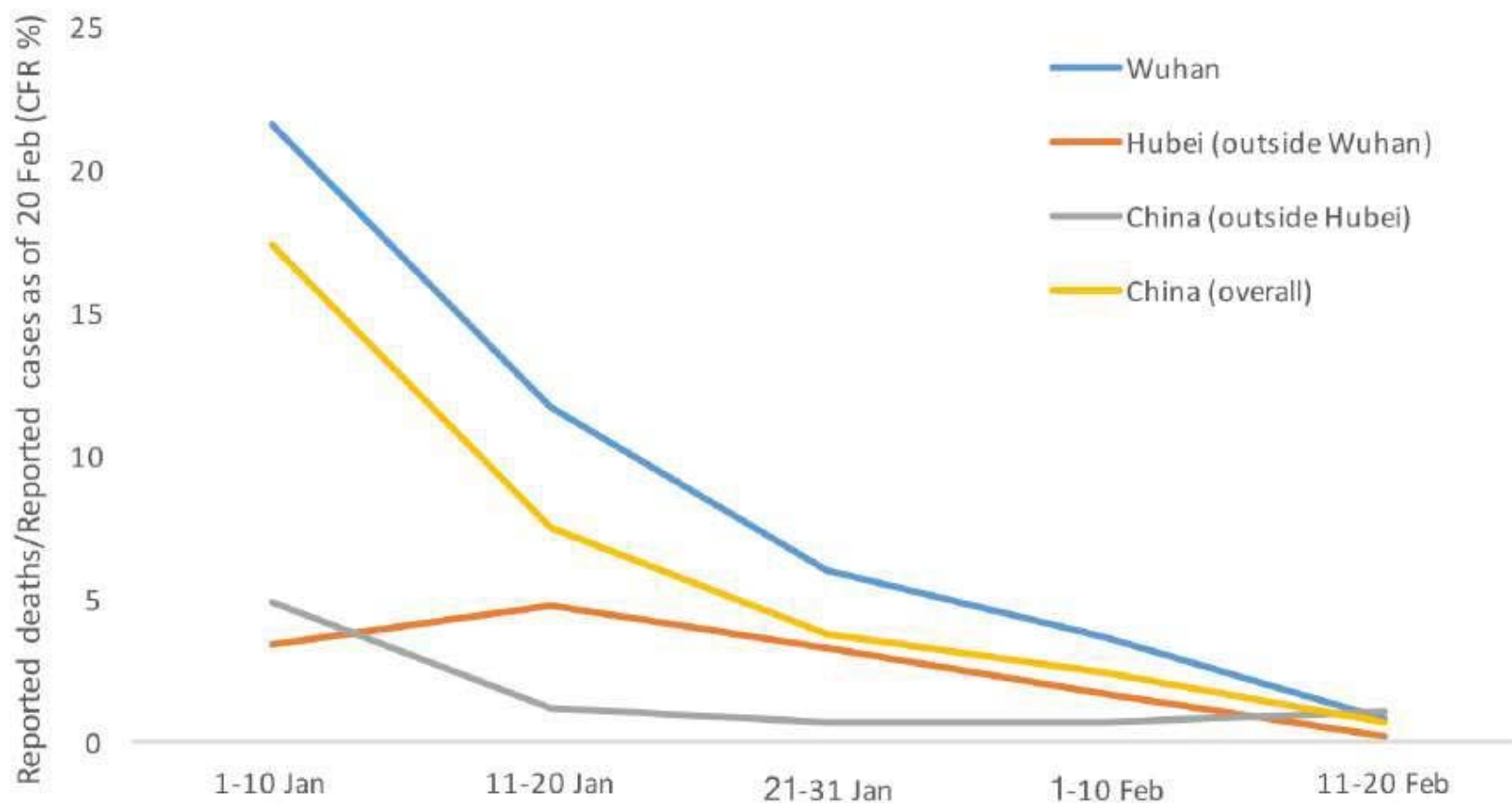
$R_0 = 2-2.5$  in absence of interventions

# China's Response

- Public information and targeted education
- Identified, isolated and provide medical care for cases
- Identified and quarantined contacts of cases
- Tracked cases and contacts
- Expanded healthcare staffing and hospital bed capacity
- Cancelled mass gatherings
- Closed wet markets and wildlife markets
- Banned travel in and out of Wuhan and surrounding jurisdiction
- Controlled transportation

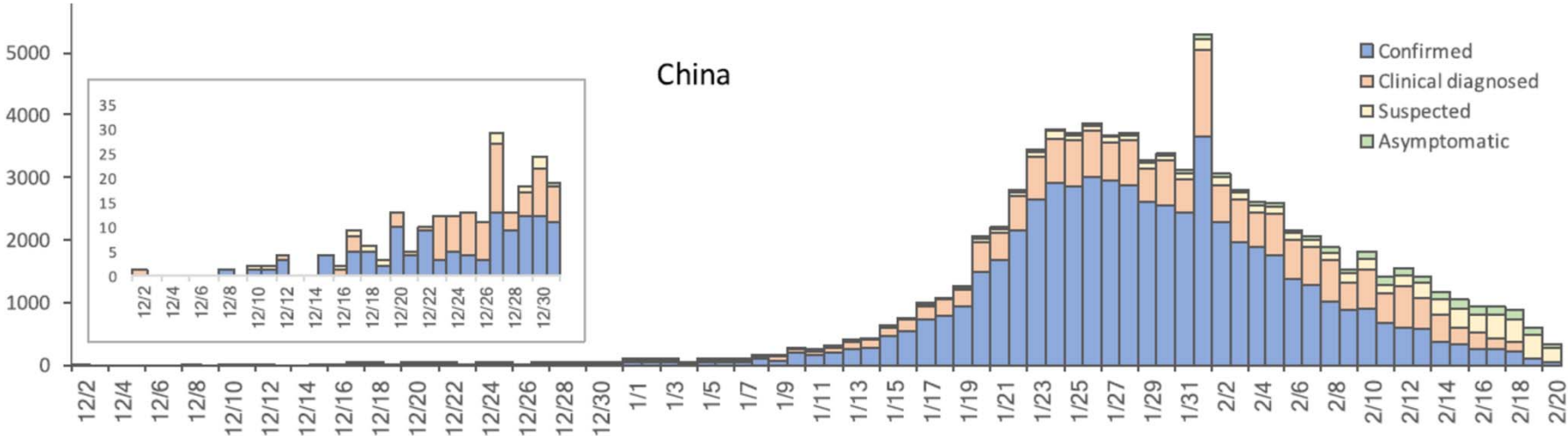
# Case Fatality Ratio

(Reported Deaths among Total Cases)



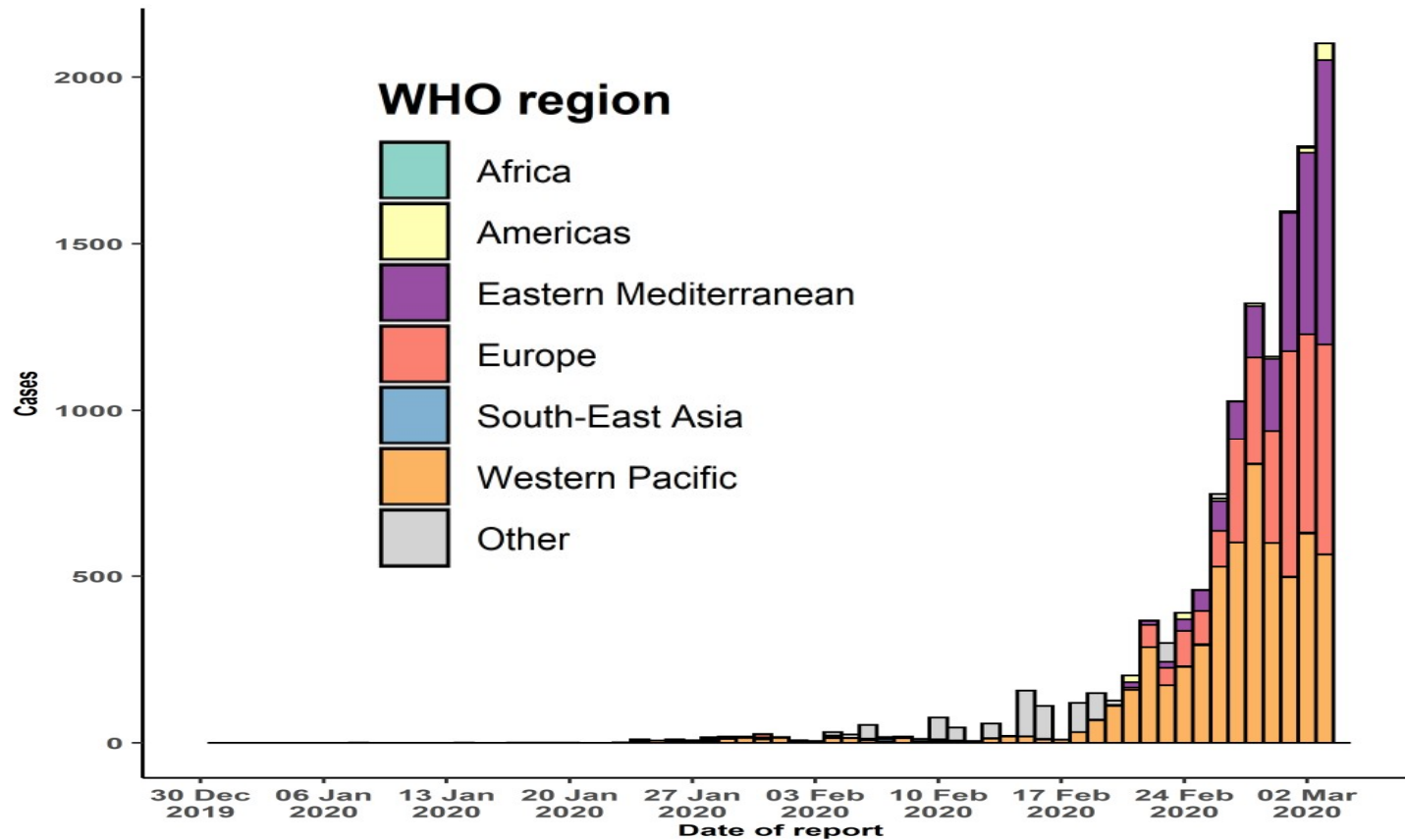
**Case fatality ratio for COVID-19 in China over time and by location, as of 20 February 2020**

# Epidemic Curve of COVID-19 Cases in China



**Epidemic curve of COVID-19 cases reported in China by date of onset of illness, as of 20 February 2020**

# Epidemic Curve of COVID-19 Cases Outside of China by Date and WHO Region



As of March 3, 2020

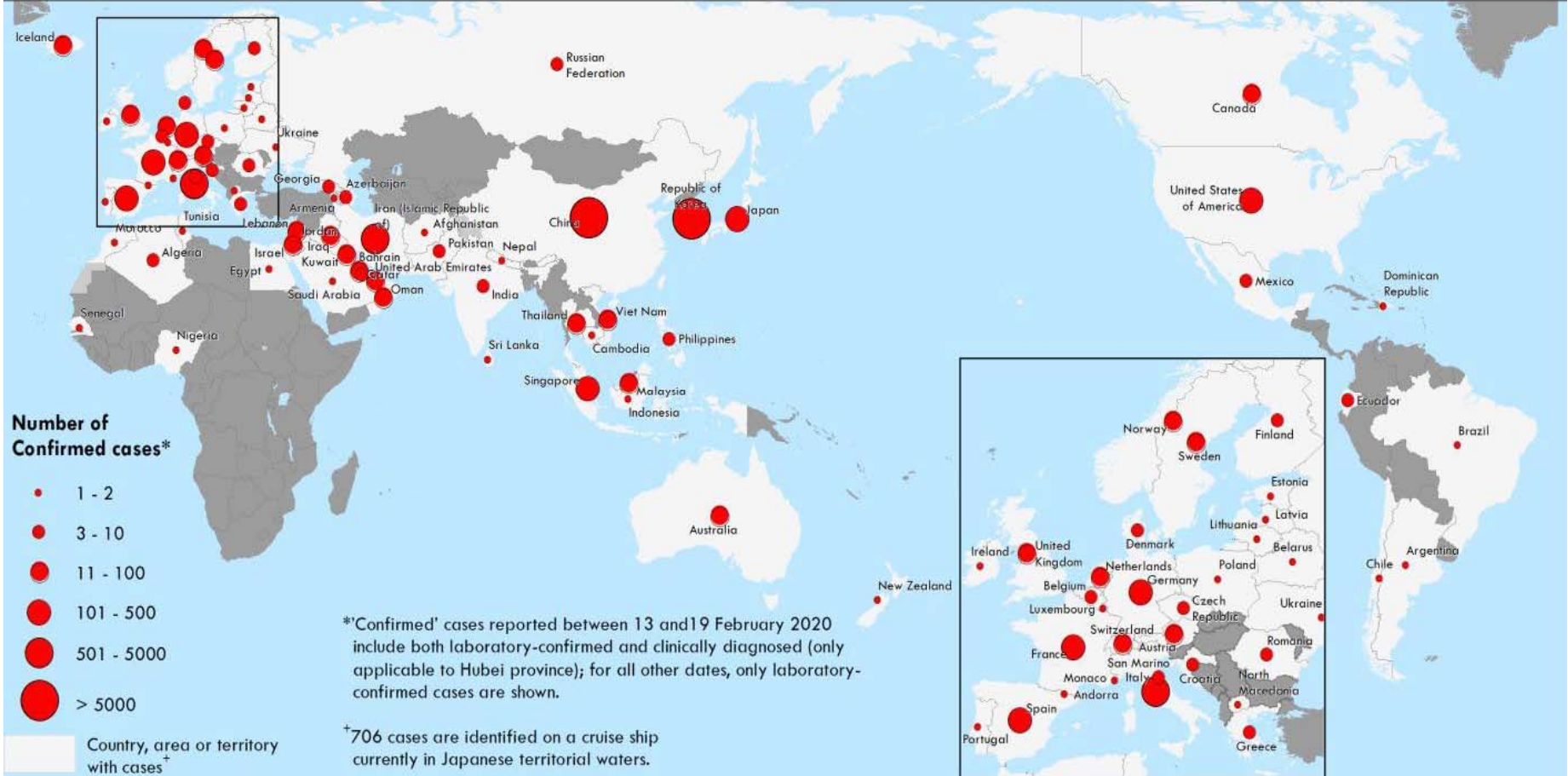
# Total Confirmed Cases

As of 3/4/20

## Reported by the World Health Organization

Total	93,090 cases
China	80,422 cases <i>2,984 deaths</i>
Outside of China 76 countries	12,668 cases <i>214 deaths</i>

# Distribution of COVID-19 cases as of 04 March 2020



Data Source: World Health Organization, National Health Commission of the People's Republic of China  
 Map Production: WHO Health Emergencies Programme

0 2,500 5,000 km  
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The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

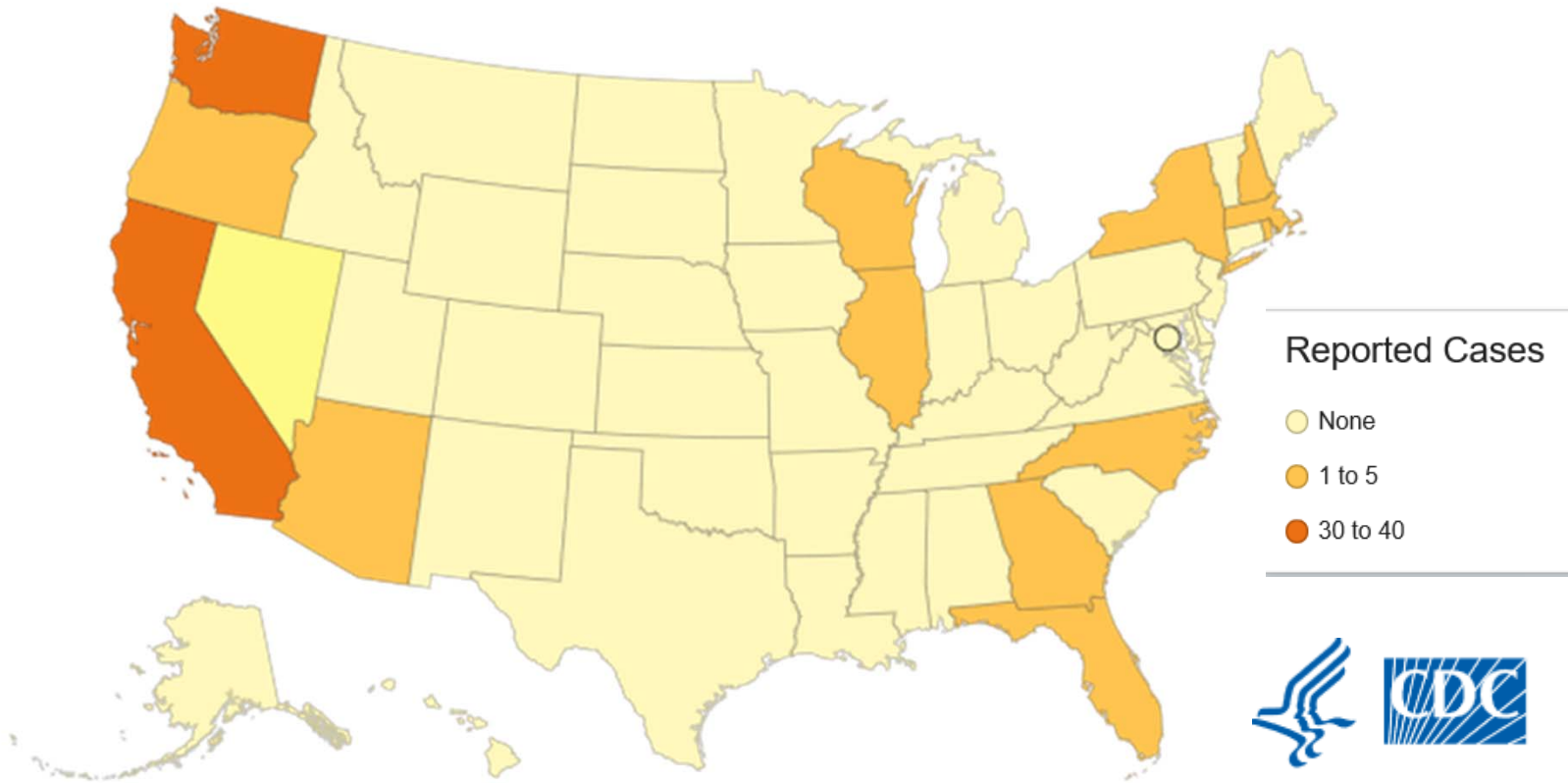


# Cases in the United States

As of 3/5/20

Cases Identified in the United States	
Travel-related	30
Person-to-person from known case	20
Under investigation	49
<b>Total as of 3/5/20</b>	<b>99</b>
<b>Total Deaths</b>	<b>10</b>

# States Reporting Cases of COVID-19 to CDC As of 3/5/20



# UPDATES ON VIRGINIA'S RESPONSE

# Number of Virginians Tested for COVID-19

(As of 3/5/20)

Total Number of People Tested for COVID-19, by Region and Testing Status				
	Negative	Pending*	Positive	Total^
Central	8	1	0	9
Eastern	2	2	0	4
Northern	6	0	0	6
Northwest	0	0	0	0
Southwest	2	0	0	2
Total	18	3	0	21

# Interim COVID-19 Testing through Virginia Public Health Lab (DCLS)

Clinical Features		Epidemiologic Risk
Fever <sup>1</sup> OR signs/symptoms of lower respiratory illness (e.g. cough or shortness of breath)	AND	Any person, including health care personnel <sup>2</sup> , who has had close contact <sup>3</sup> with a laboratory-confirmed <sup>4</sup> COVID-19 patient within 14 days of symptom onset
Fever <sup>1</sup> AND signs/symptoms of lower respiratory illness (e.g. cough or shortness of breath) AND tested negative for influenza <sup>5</sup>	AND	A history of travel to a country with a <a href="#">Level 2 or 3 Travel Advisory</a> OR an area with confirmed ongoing community transmission, within 14 days of symptom onset
Fever <sup>1</sup> OR signs/symptoms of lower respiratory illness (e.g. cough or shortness of breath) AND tested negative for influenza <sup>5</sup> AND a respiratory virus panel negative for all pathogens AND without an alternative explanatory diagnosis	AND	A history of residing in a nursing home or long-term care facility within 14 days of symptom onset

# Travel Notices and Restrictions

(As of 3/5/20)

WARNING LEVEL 3	ALERT LEVEL 2	WATCH LEVEL 1
<b>RECOMMENDATION</b> Avoid Nonessential Travel	<b>RECOMMENDATION</b> Practice Enhanced Precautions	<b>RECOMMENDATION</b> Practice Usual Precautions
<b>AFFECTING</b> China, South Korea, Iran, Italy	<b>AFFECTING</b> Japan	<b>AFFECTING</b> Hong Kong

- Reconsider cruise ship voyages to or within Asia

Entry of foreign nationals suspended in U.S. from:

- China
- Iran

# Travelers Under Public Health Monitoring in Virginia

(As of 3/5/20)

**Total Number of People under Public Health Monitoring, by Monitoring Status**

	Low Risk**	Medium Risk†	High Risk	Total^^
Currently under Monitoring	13	95	0	108
Completed Monitoring without further Public ..	15	216	0	231
Became a PUI	0	0	0	0
Total	28	311	0	339

# Communications Updates

- Governor's press conference - 3/4/20
- VDH twice weekly media briefings - T/Th
- Call center operational - 1-877-ASK-VDH3
- Developing a comprehensive communications plan for print, broadcast, social media, etc.



# Targeted Education: Webinars

## Completed this week

- Colleges and universities - March 4
- Local government - March 6
- K-12 public schools - March 6

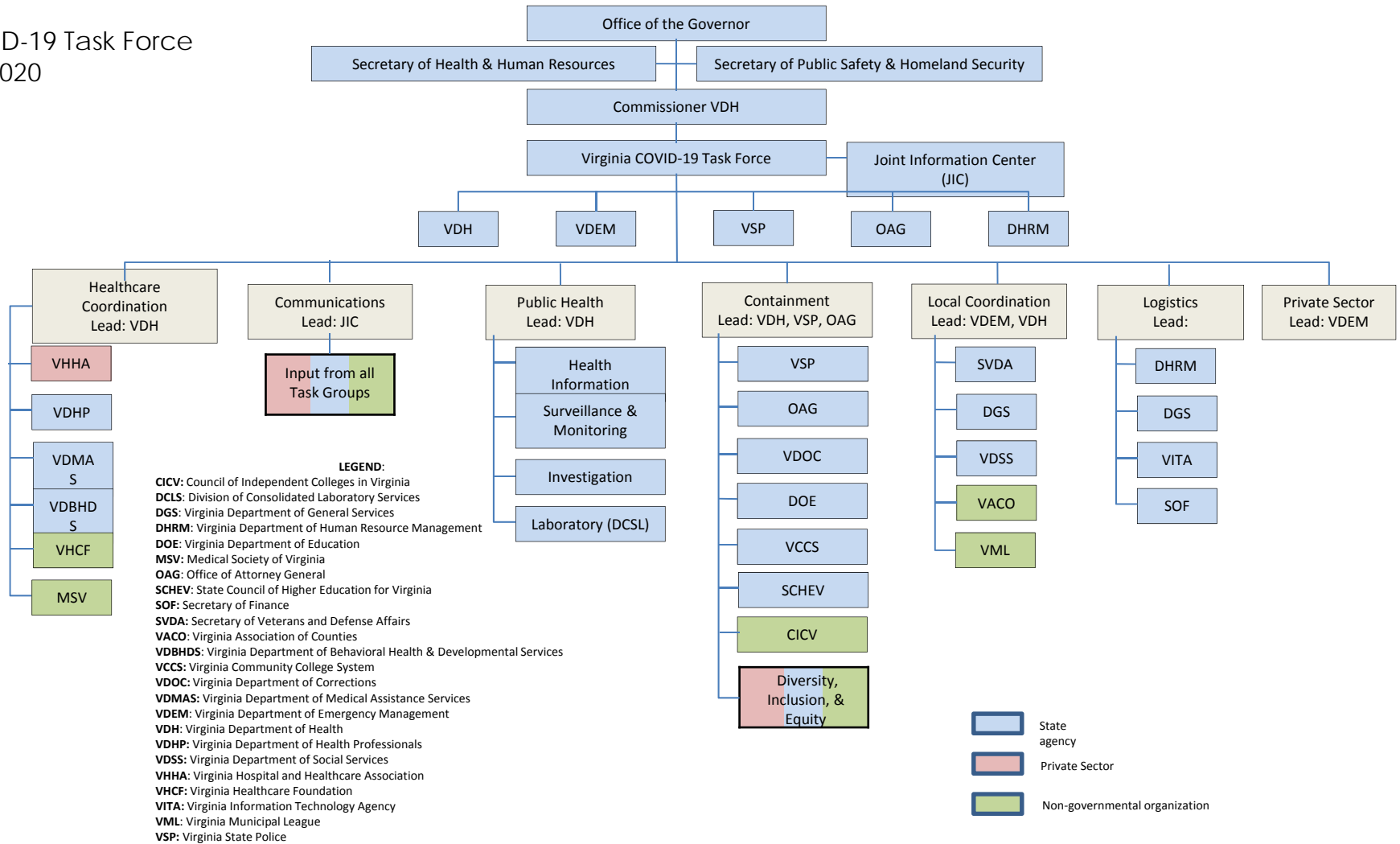
## Upcoming

- Physicians (MSV) - March 20
- K-12 private schools - TBD
- Nursing homes and long-term care facilities - TBD
- EMS - TBD

# Planning

- Established Incident Management Team in January
  - Incident Action Plans - 2 week operational periods
  - Daily command meetings
  - Sit Reps M,W,F - wide distribution
- Coordination
  - Daily coordination between local, state, and federal public health
  - Weekly operational briefings with local health districts
  - Ongoing collaboration with regional health care coalitions
  - Partner briefings
  - Virginia COVID-19 Task Force - “whole of government” response

COVID-19 Task Force  
3/5/2020



# Planning

- Review emergency operations plan, pan flu plan, and continuity of operations plan
  - Be prepared to support Emergency Support Function (ESF-8) at the state or local level
- Work closely with local health district or VDH central office to implement COVID-19 containment strategies and to plan for mitigation strategies should they be needed in the future.
  - Review CDC guidance on [Preventing COVID-19 Spread in Communities](#)
- Maintain situational awareness through trusted sources
- Direct Virginians to [www.vdh.virginia.gov/coronavirus](http://www.vdh.virginia.gov/coronavirus) or 1-877-ASK-VDH3

# Considerations

- VDH Ongoing Battle Rhythm
- Multi Agency Battle Rhythm
  - SitReps
  - IAPs
  - Meetings
  - Calls
- JIC Management
- Essential Elements of Information (EEI)
- Section Leads
  - Additional Partners
- Consistency and Division of Effort between MA TF and VDH  
IMT
- COOP / COG

# EEI

## Healthcare Facilities

1. The total number of hospital beds occupied by patients with flu-like symptoms (breakdown by age)?
2. Of the total for question 1, the number of critical care beds occupied by patients with COVID-19 symptoms?
3. The number of new hospital admissions with flu-like symptoms within the past 24 hours?
4. The number of deaths due to flu-like illness within the past 7 days?
5. Has there been, or are there, any planned reductions in elective procedures due to pressures associated with COVID-19? If yes, provide a description.
6. The number of urgent elective admission/procedure(s) canceled or rescheduled due to pandemic flu?
7. PPE Supplies on Hand (i.e. gloves, gowns, goggles, etc). – Adequate or Inadequate? (If Inadequate – add comments)
8. Number and type of **ventilators**, on hand?
9. Number of **respirators**, N95, or great, on hand?

## Public Health

1. MRC Volunteers **currently** utilized
2. Other organizations used to support efforts (EMS, School Nurses, etc.)
3. Anticipated staffing shortage
4. PPE Supplies on Hand (i.e. gloves, gowns, goggles, respirators, etc) – Adequate or Inadequate? (If Inadequate – add comments)
5. Localities within the District with local Emergency Declarations (Provide total number and list localities)
6. Local EOCs open (virtual or physical) with ESF-8 staffing (Provide total number and list localities)
7. Health District Operations Center (HDOC) Status (i.e., Open, Closed, Full Staffing, Minimal Staffing, Virtual)
8. Do you have pre-identified quarantine site/locations within your district?
9. School Closures in effect
10. Government operational status (open/close)
11. Community Events Canceled
12. Other Community Impacts

# Convening New COVID-19 Planning Workgroups

- Healthcare Coordination
  - Develop recommendations on the management, and mitigation of, medical surge in acute care facilities, outpatient care settings, and residential care facilities
  - Develop guidance for Crisis Standards of Care
- Containment
  - Guidance on planning for events
  - Planning for mitigation strategies

# What Can Partners Do?

- Review emergency operations plan, pan flu plan, and continuity of operations plan
- Support COVID-19 Task Force/Emergency Support Function (ESF-8) at the state or local level
- Work closely with local health district or VDH central office to implement COVID-19 containment strategies and to plan for mitigation strategies should they be needed in the future.
  - Review CDC guidance on [Preventing COVID-19 Spread in Communities](#)
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# Take Home Messages

- Currently, there are no cases in Virginia
- More U.S. cases are expected
- An effective response requires a whole-of-community approach
- Everyone has a role to play in preparing for the possibility of COVID-19 in the community

# General COVID-19 Resources

## Virginia Department of Health (VDH)

- [35 Local Health Districts](#)
- [www.vdh.virginia.gov/coronavirus](http://www.vdh.virginia.gov/coronavirus)

## Centers for Disease Control and Prevention (CDC)

- COVID-19 Website: [www.cdc.gov/coronavirus/2019-nCoV](http://www.cdc.gov/coronavirus/2019-nCoV)
- Health Alert Network (HAN):  
<https://emergency.cdc.gov/han/2020.asp>

## World Health Organization (WHO)

- [www.who.int/emergencies/diseases/novel-coronavirus-2019](http://www.who.int/emergencies/diseases/novel-coronavirus-2019)

# Nonpharmaceutical Interventions: Resources

- CDC Community Mitigation Guidelines to Prevent Pandemic Influenza-United States, 2017  
[www.cdc.gov/mmwr/volumes/66/rr/rr6601a1.htm#suggestedcitation](http://www.cdc.gov/mmwr/volumes/66/rr/rr6601a1.htm#suggestedcitation)
- CDC pandemic flu educational and planning materials by setting [www.cdc.gov/nonpharmaceutical-interventions](http://www.cdc.gov/nonpharmaceutical-interventions)



Thank you!

Please send questions to:

[respiratory@vdh.virginia.gov](mailto:respiratory@vdh.virginia.gov)

## Extra Slide(s)

- **Maryland:** Governor Hogan confirmed three Montgomery County residents tested positive for COVID-19. The patients, who contracted the virus while traveling overseas, are in good condition. [Link](#)
- **Maryland:** Governor Hogan declared a state of emergency to ramp up a statewide coordinated response across all levels of government. [Link](#)  
– & CA,FL,HI,OR,WA
- **Nationwide:** The Environmental Protection Agency released a list of approved disinfectants to use against COVID-19. [Link](#)

Virginia Medical Reserve Corps COVID-19 Status Report - data provided as of March 5, 2020		
Total number of deployable Medical Reserve Corps volunteers	7,633	
# of volunteers who have indicated availability to support COVID-19 response efforts from activation alerts sent (Feb 27 - March 5)	237	Chesterfield (49), Loudoun (156), Henrico-Chick (12), Three Rivers (18)
# of MRC volunteers assigned to COVID-19 Response Teams	12	Alexandria (9), Norfolk (1), Western Tidewater (1)
Health districts providing training related to COVID-19 to MRC Volunteers (Feb 27 - March 5)	2	Rappahannock, Central Virginia
Health districts with volunteers providing COVID-19 Epidemiology support (Feb 27 - March 5)	0	
Health districts with volunteers providing COVID-19 Public Information Support (Feb 27 - March 5)	1	Henrico (1)
Health districts with MRC volunteers supporting COVID-19 outreach and education efforts (Feb 27 - March 5)	0	
# of new VVHS accounts created (Feb 27 - March 5)	355	
COVID-19 MRC Activities (as reported in VVHS at the time of data report)		
Retired MD assisted the epidemiologist in returning and answering phone calls about COVID-19 from providers and the general public	3/5/2020	Henrico
Volunteers provide programmatic support to Travelers Monitoring Team.	2/11/2020	Fairfax
Communicable Disease Program Support (COVID-19)	2/10-2/14	Arlington
Communicable Disease Program Support (COVID-19)	2/8/2020	Arlington