



Briefing on COVID-19

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Minnesota Department of Health**

PROTECTING, MAINTAINING AND IMPROVING THE HEALTH OF ALL MINNESOTANS

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Situation to Date

Spread of Coronavirus:

- **89,197 cases and (3,048 deaths) as of March 2**
- 80,026 cases & 2,803 deaths in China
- Cases confirmed in multiple other countries
- **COVID-19 Confirmed Cases in US:**
 - 86 confirmed and presumptive cases
- **COVID-19 Cases among Persons Repatriated to the United States:**
 - 50 Positive tests
 - 3 Wuhan, China
 - 47 Diamond Princess Cruise Ship

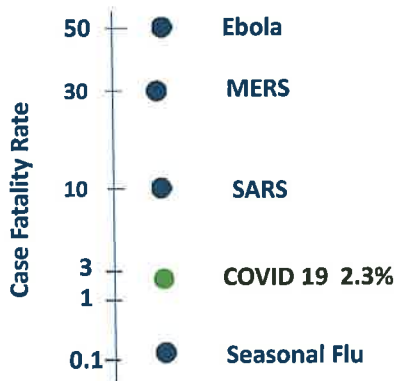
Locations with Confirmed COVID-19 Cases

As of February 29, 2020



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How lethal is COVID 19 compared to other diseases?



- Estimated case fatality for COVID-19 is 2.3% *
- Seasonal flu 0.1%
- SARS 10%
- MERS 30%
- Ebola 50%

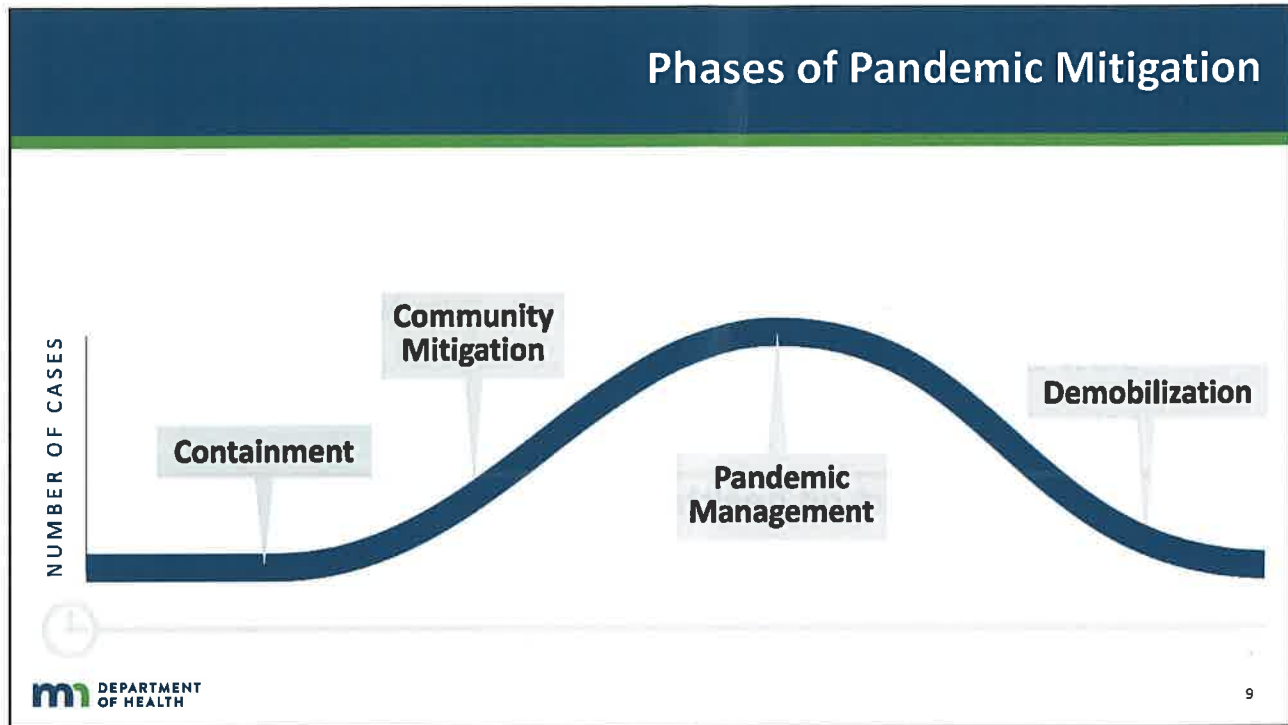
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COVID 19 Characteristics-China CDC Summary

- Spectrum of illness:
 - 81% of cases Mild (non-pneumonia and mild pneumonia)
 - 14% of cases Severe (difficulty breathing, rapid respirations, lower oxygenation saturation levels, and rapidly developing lung infiltrates)
 - 5% of patients admitted to ICU
 - Overall 2.3% mortality rate*
 - Higher mortality in elderly and those with underlying health conditions




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Phases of Pandemic Mitigation

- **Containment** (handful of cases)
 - When a first case is identified in MN, we will focus on isolation, contact identification, and quarantine.
- **Community mitigation** (multiple cases from different areas/exposures)
 - Consider temporary school closings, postpone large community events, promote virtual/video faith services, etc.
- **Pandemic management** (widespread transmission – hundreds to thousands of cases from across the state)
 - Provide oversight and management of scarce resources, continue to encourage self-isolation



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Minnesota Responds

- MDH working on containment and expanding to mitigation
 - Working with clinicians to identify/evaluate patients who may have COVID-19 based on clinical and epidemiological data
 - Public Health Laboratory testing now online
 - Working closely with Minnesota Hospital Association and clinicians
 - Community mitigation planning has started and will provide recommendations about public gatherings

Minnesota Responds

- Legal review
 - Quarantine and isolation protocols
 - Public Health Emergency Response Fund
 - Public Health Emergency Authority



Minnesota Responds

- Ongoing stakeholder connections/outreach
 - Long-term care (Leading Age, Care Providers)
 - Schools (MDE, superintendents, nurses)
 - Hospitals and health care sector
 - Community groups
 - Other state and local government agencies
 - Elected officials



Protective Recommendations for Public

- Standard guidance for avoiding respiratory infections also applies for COVID-19:
 - Stay home when sick with cold/flu-like symptoms
 - Cover your cough
 - Wash your hands well
 - Avoid touching your face – especially eyes, nose and mouth

