

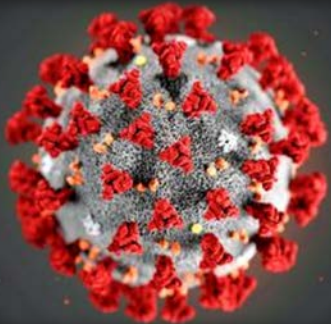


Loudoun County

VIRGINIA

WHERE TRADITION MEETS INNOVATION

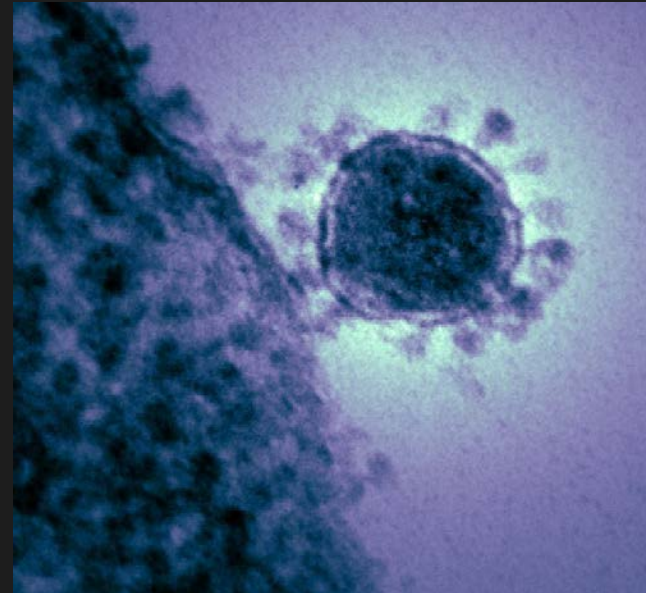
2019 Novel Coronavirus (COVID-19) Briefing



Loudoun County Business Meeting
March 11, 2020

Coronaviruses that Infect People

- 4 cause common cold symptoms
- 2 (SARS and MERS) cause severe lung infection
- Spread through coughing, sneezing or close personal contact
- Symptoms start 2-14 days after exposure



- 2019 Novel Coronavirus – still learning about it

COVID-19 Compared to Past CoV Epidemics

CoV	Origin	Cases	Deaths
COVID-19 (As of 3/11/20*)	Dec 2019 (China)	121,564	4373 CFR = 3.5%
MERS-CoV	2012 (Saudi Arabia)	2,494	858 CFR = 34%
SARS-CoV	2002 (China)	8,098 (None since 2004)	774 CFR = 10%

*Reported by the World Health Organization

How Contagious Is It?

Disease	R_0
MERS-CoV	< 1
Seasonal influenza	1-2
COVID-19	Estimates: 1.4-3.9
SARS-CoV	3
Measles	12-18

When Did the Outbreak Start?

Cluster of 44
Cases of
pneumonia
announced
in Wuhan
12/31/19

First
exported
case from
China
diagnosed
1/13/20

CDC
developed
rRT-
PCR test
1/19/20

1/7/20

Novel
coronavirus
isolated in
China

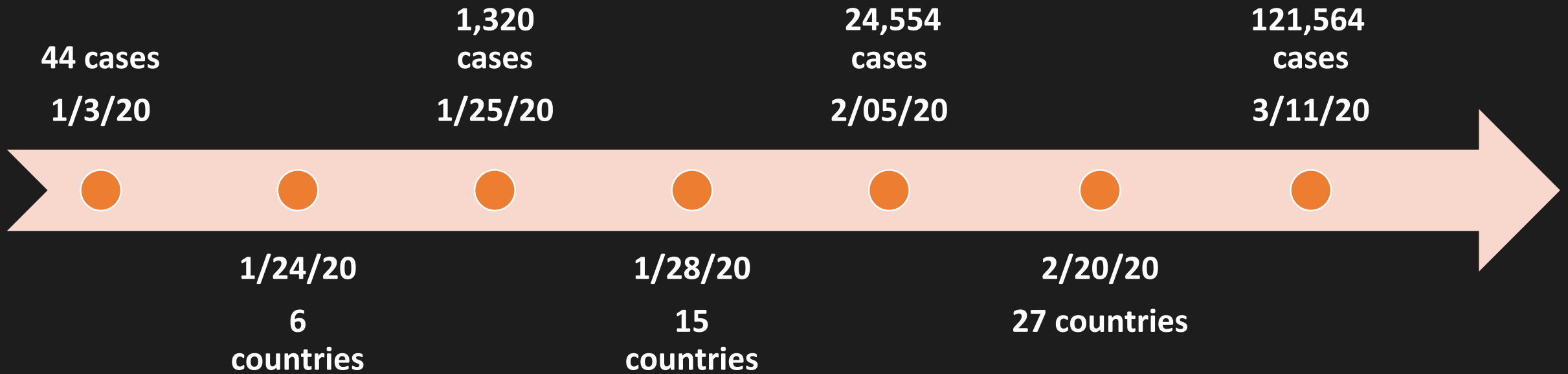
1/17/20

Entry
screening at 3
U.S. airports
began

1/21/20

First U.S.
case
diagnosed

How Many People Are Sick?



Confirmed Cases as of 3/11/20 Reported by the World Health Organization	
Total	121,564 known cases; 4,2373 deaths
China	80,969 known cases; 3,162 deaths
United States	1,050 known cases; 29 deaths
Virginia	9 cases; (60 PUIs ruled out)

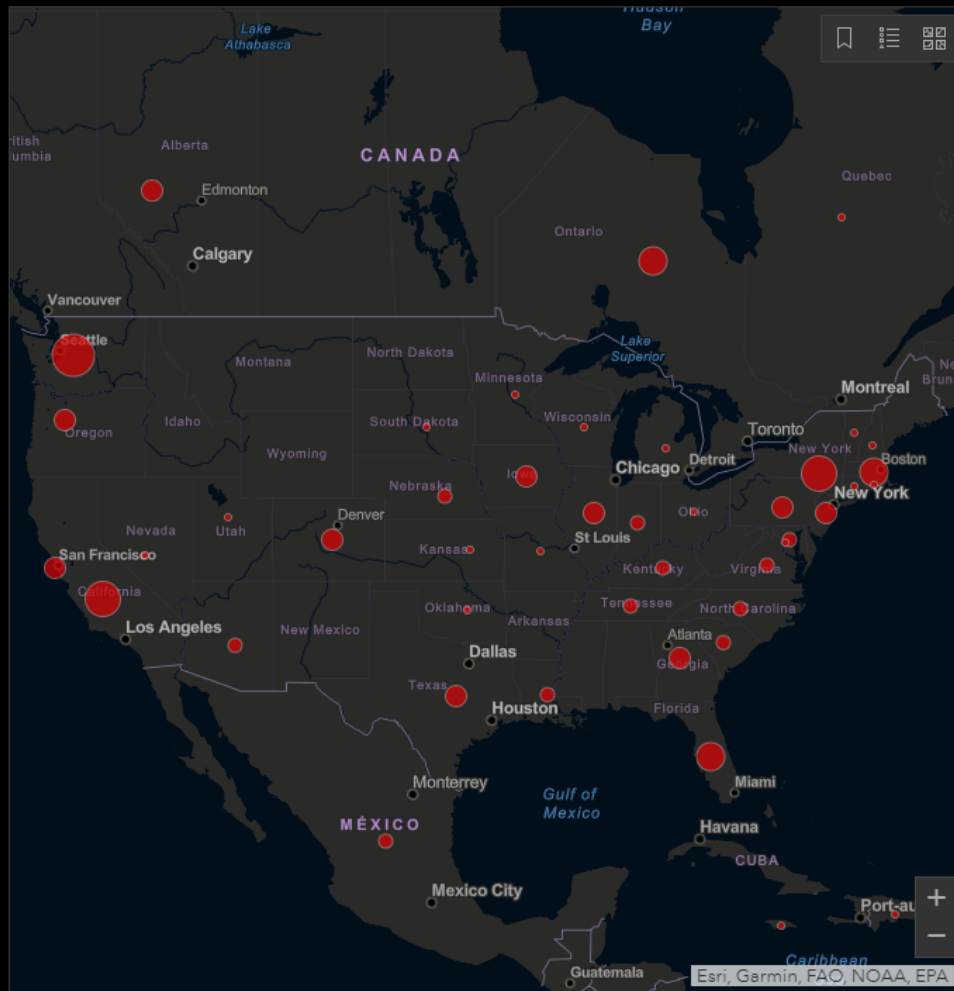
WHO Frequency Map

Total Confirmed
1,050

Confirmed Cases by
Country/Region

- 80,969 China
- 10,149 Italy
- 9,000 Iran (Islamic Republic of)
- 7,755 Republic of Korea
- 2,174 Spain
- 1,784 France
- 1,629 Germany
- 1,050 US**
- 696 Others
- 613 Switzerland
- 581 Japan
- 503 Netherlands
- 477 Sweden
- 440 Norway
- 382 UK
- 340 Denmark

Last Updated at (M/D/YYYY)
3/11/2020, 10:33:04 AM



Cumulative Confirmed Cases | Active Cases

118
countries/regions

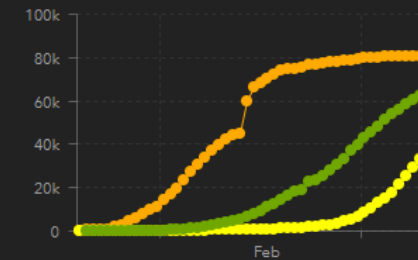
Lancet Inf Dis Article: [Here](#). Mobile Version: [Here](#). Visualization: JHU CSSE. Automation Support: [Esri Living Atlas team](#) and [JHU APL](#). Data sources: [WHO](#), [CDC](#), [ECDC](#), [NHC](#) and [DXY](#) and local media reports. Read more in this [blog](#). [Contact US](#). Downloadable database: [GitHub](#): [Here](#). Feature layer: [Here](#).

Total Deaths
29

- 23 deaths
Washington US
- 2 deaths
California US
- 2 deaths
Florida US
- 1 deaths
New Jersey US
- 1 deaths
South Dakota US

Total Recovered
8

- 2 recovered
California US
- 2 recovered
Illinois US
- 1 recovered
Arizona US
- 1 recovered
Massachusetts US
- 1 recovered
Washington US
- 1 recovered
Wisconsin US



● Mainland China ● Other Locations
● Total Recovered

Actual | Logarithmic | Daily Cases

Containment Phase

- Goal is to prevent the spread of infection
- Involves voluntary quarantine and isolation of people with recent travel to mainland China and Iran
- Evidence of containment failure
 - South Korea, Italy, Iran
- Local efforts underway in 38 states and the District of Columbia

Testing & Public Health Monitoring Data

COVID-19 Testing and Public Health Monitoring Data

Information as of: 3/10/2020

COVID-19 Testing and Confirmed Case Counts in Virginia

Number of Negative COVID-19 Tests: 60

Number of Presumptive Positive or Confirmed Cases: 9

- Central - 1
- Eastern - 2
- Northern - 5
- Northwest - 1
- Southwest - 0

An updated report is under development and will be available soon.

Quarantine and Isolation

	High Risk	Medium Risk	Low Risk	No identifiable risk
Actions for people without symptoms consistent with COVID-19	Remain under quarantine authority; no public activities; daily active monitoring; controlled travel	Stay home; active monitoring or self-monitoring with public health supervision; recommend to not travel	Self observation	None
Actions for people with symptoms consistent with COVID-19	Immediate isolation; medical evaluation guided by PUI definition; pre-notify healthcare services; controlled travel	Immediate isolation; medical evaluation guided by PUI definition; pre-notify healthcare services; controlled travel	Stay home from work or school, avoid contact with others, don't travel. Seek health advice	None; routine medical care

These examples may not cover all potential exposures to laboratory confirmed case of COVID-19. If you are concerned about an exposure that does not align with these categories, please contact the CDC Emergency Operations Center at 1-800-232-4636

- 1-2 times each day, Loudoun County receives lists of individuals in Loudoun County who may be at Medium or Low risk
- The Health Department attempts to interview everyone on that list to identify risk and have voluntary agreements signed, if appropriate
- A nursing on call schedule was started so people can be contacted 7 days a week and they can contact us 24/7

Mitigation Phase

- Containment efforts are ongoing
- Comprehensive community education
 - General public
 - Healthcare community
 - Government/critical infrastructure
 - High risk populations
 - Hard to reach populations
 - Business community
- Responding to questions and concerns from the public
- Preparing for community impact

What Can People Do Now?

Stop the Spread of Germs:

- Wash your hands often with soap and water for at least 20 seconds. Use an alcohol-based hand sanitizer that contains at least 60% alcohol if soap and water are not available.
- Avoid touching your eyes, nose & mouth with unwashed hands.
- Avoid close contact with people who are sick.
- Stay home when you are sick.
- Cover your cough or sneeze with a tissue, then throw the tissue in the trash; or cough or sneeze into the sleeve of your shirt.
- Clean and disinfect frequently-touched objects and surfaces.
- CDC does not recommend that people who are well wear a facemask to protect themselves from respiratory diseases, including COVID-19. Facemasks should be used by people who show symptoms of COVID-19 to help prevent the spread of the disease to others, and by health workers.



What Can People Do Now?

- Notify your doctor if you are sick
 - As always, if you feel sick, contact your doctor
 - Even though there is no treatment for COVID-19, the flu and other treatable infections are still here
 - Testing for COVID-19 is now more widely available, including through private testing labs
- Do not go to the emergency room just for testing
 - Your doctor should be able to see you if you are sick
 - Doctors' offices can submit specimens for testing the same way the hospital does

Emergency Management Activities

- County's responsibilities, as they relate to quarantine, were a result of a collaborative, multi-discipline initiative
- Developed a planning approach to deal with anyone who met the criteria of high risk, identified by the CDC
 - Established a core planning team and others
 - Activated the Emergency Operations Center (EOC) to promote and foster focused coordination and collaboration
 - Public information and outreach
 - Situational awareness
 - Reviewing and enhancing plans
 - Identifying trends
 - Projecting anticipated actions

Stay Informed

- Sign up to receive regular email and text from Loudoun County:

- Visit Loudoun.gov/coronavirus

- Text **LCCOVID19** to **888777**



Resources

Loudoun County

- Website: [Loudoun.gov/coronavirus](https://loudoun.gov/coronavirus)
- Email: health@Loudoun.gov
- LCPS: lcps.org/Page/227421
- Hotline: 703-737-8300

Virginia Department of Health (VDH)

- www.vdh.virginia.gov/coronavirus

Centers for Disease Control and Prevention (CDC)

- www.cdc.gov/coronavirus/2019-nCoV

World Health Organization (WHO)

- www.who.int/emergencies/diseases/novel-coronavirus-2019