



DRJ SPRING 2020

March 15-18, Orlando

Are You Ready for a Novel Coronavirus Pandemic?

Lisa M. Koonin, DrPH, MN, MPH
Health Preparedness Partners
LIVE STREAM

****Please subscribe to our YouTube channel if you would like to be notified whenever we are
live from the Events!***

A microscopic view of several coronavirus particles. They are spherical with a yellowish core and a red, spiky outer layer. The background is a soft, out-of-focus pinkish-purple.

What is Coronavirus Disease 2019 (COVID-19)?

- Name of illness is: coronavirus disease 2019 (**COVID-19**).
- Name of virus is: severe acute respiratory syndrome coronavirus 2 (**SARS-CoV-2**).

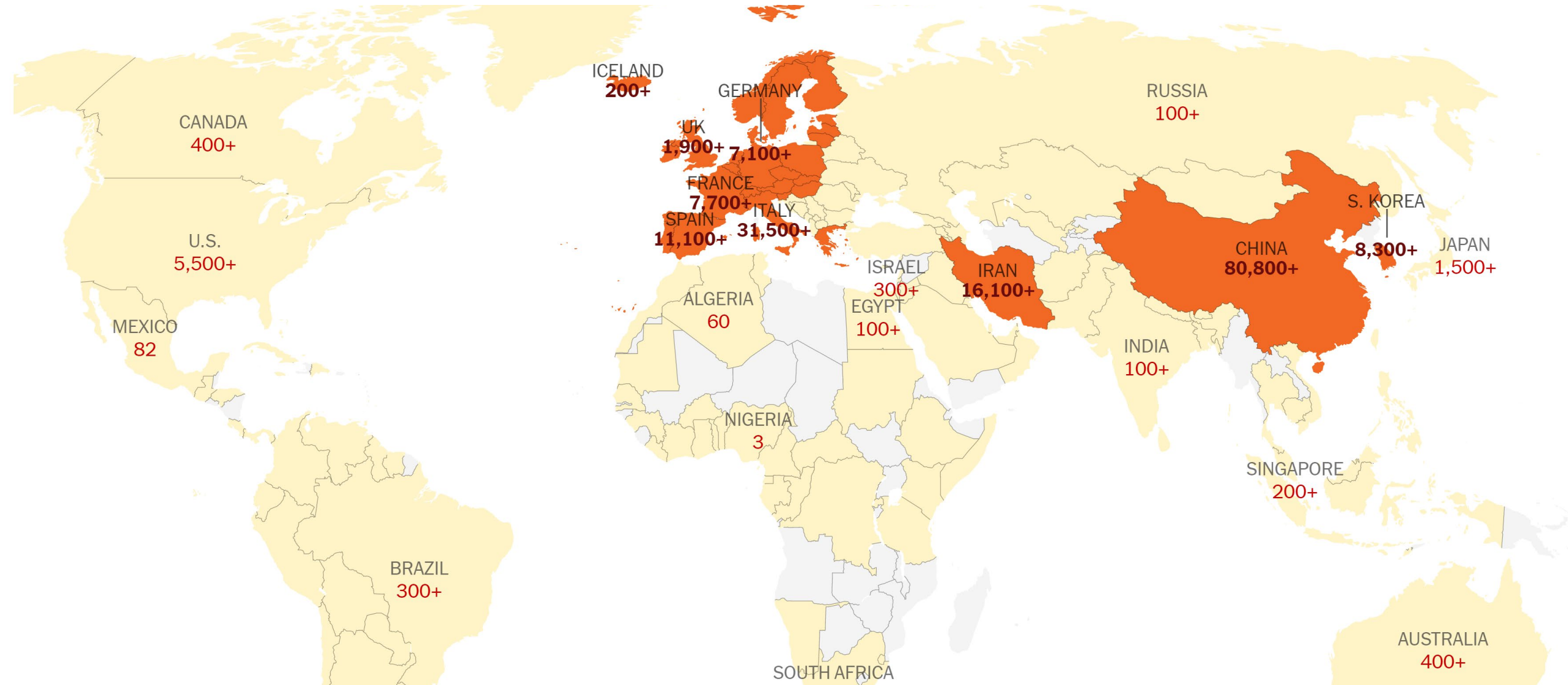




Confirmed cases

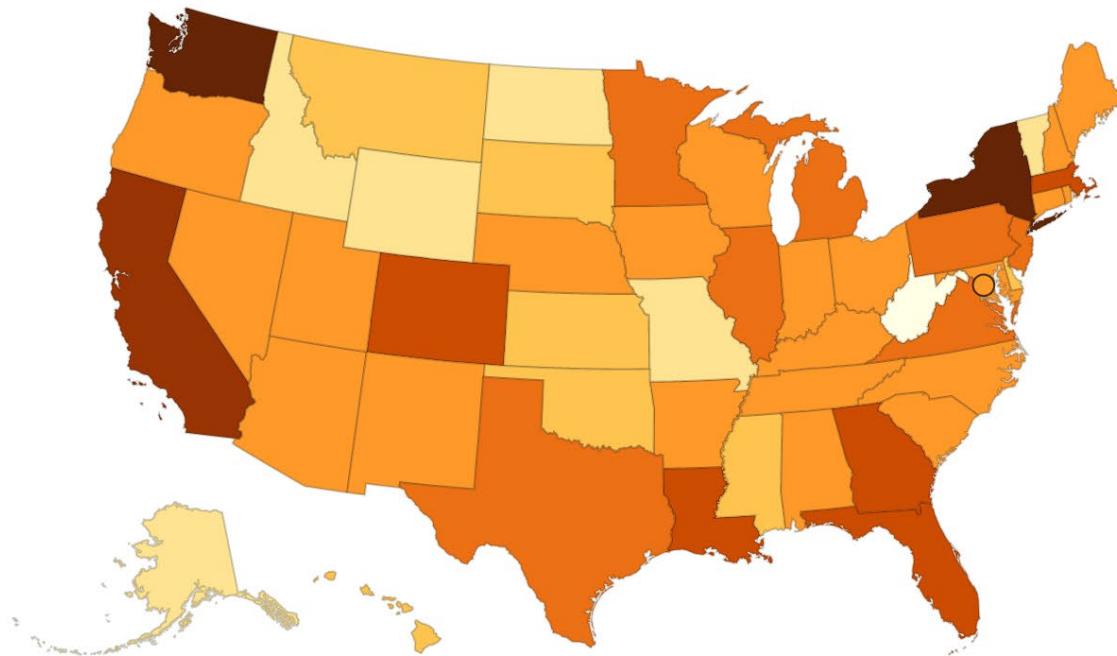


C.D.C. warns against
non-essential travel



COVID-19 Cases in the U.S.

[Cases in U.S.](#) > [Situation Summary](#) >



Territories

AS GU MH FM MP PW PR VI



Reported Cases

(last updated March 17, 2020)

- None
- 1 to 5
- 6 to 10
- 11 to 50
- 51 to 100
- 101 to 200
- 201 to 500
- 501 to 1000

How Does COVID-19 Spread?



Symptoms of COVID-19

- Incubation period ~ 2-14 days (average around 5 days)
- Major symptoms:
 - Fever
 - Cough
 - Shortness of Breath

COVID-19: Clinical Course

- Varies in severity
 - ~80% have had mild disease
- Risk Factors
 - Older adults
 - One-third to one-half of reported patients had underlying medical conditions, including:
 - Diabetes;
 - Hypertension; and
 - Cardiovascular disease
- No medication, no vaccine

A microscopic view of several COVID-19 virus particles. The particles are spherical with a yellowish core and a red, spiky outer layer. They are set against a blurred, pinkish-purple background.

Slowing the Spread of COVID-19

Containment vs. Mitigation

Containment vs. Mitigation

Containment

- Travel warnings and restrictions
- Screening travelers
- Identifying cases
- Isolation and quarantine

CDC Centers for Disease Control and Prevention
CDC 24/7: Saving Lives, Protecting People™

Search

Coronavirus Disease 2019 (COVID-19)

CDC > Coronavirus Disease 2019 (COVID-19)


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Coronavirus Disease 2019 (COVID-19)

- COVID-19 Situation Summary +
- What You Should Know +
- Travel Information** -
- Traveling from China
- Communication Resources
- FAQ for Travelers
- Preventing COVID-19 Spread in Communities +

Coronavirus Disease 2019 Information for Travel

This page includes information about Coronavirus Disease 2019 (COVID-19) for travelers and travel related industries.



[Frequently Asked Questions and Answers for Travelers](#)

PASS

Travelers from China Arriving the United States

Resources for Ships

- [Guidance for Ships](#)
- [Cruise Ship Travel in Asia](#)

Resources for Airlines

- [Guidance for Airlines and Airline Crew](#)

Containment vs. Mitigation

Containment

- Travel warnings and restrictions
- Screening travelers
- Identifying cases
- Isolation and quarantine

Mitigation

- Sick people stay home
- Members of a household with sick persons may also stay home
- Close schools, childcare facilities, and colleges and universities
- Cancellation of mass gatherings
- “Social distancing”

Know the Facts!



There are simple things you can do to help keep yourself and others healthy.

- Wash your hands often with soap and water for at least 20 seconds, especially after blowing your nose, coughing, or sneezing; going to the bathroom; and before eating or preparing food.
- Avoid touching your eyes, nose, and mouth with unwashed hands.
- Stay home when you are sick.
- Cover your cough or sneeze with a tissue, then throw the tissue in the trash.

A microscopic view of several coronavirus particles, which are spherical with a yellowish core and a red, spiky outer layer. They are set against a blurred, pinkish-purple background.

How will this look going forward for a business?

Supply Chain Interruptions

THE WALL STREET JOURNAL.

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BUSINESS

Coronavirus Is Different. Almost No Company Is Safe.

Fast-spreading disease snarls factories, business travel; White House vows epidemic is 'not going to sink the U.S. economy'

By [Thomas Gryta](#) and [Russell Adams](#)

Updated March 1, 2020 2:22 pm ET

 PRINT  TEXT

150 

Companies have endured financial meltdowns, civil wars and natural disasters. But nothing in modern memory has dented both demand and supply so quickly for so many industries as

[News > Reuters Health Information](#)

FDA Identified 20 Drugs With Shortage Risks Due to Coronavirus Outbreak

By Reuters Staff
February 26, 2020



 ADD TO EMAIL ALERTS



NEW YORK (Reuters) - The U.S. Food and Drug Administration has contacted producers of about 20 drugs that either source all of their main ingredients from or are finished in China to gauge if they will face shortages due to the coronavirus outbreak.



**Harvard
Business
Review**

OPERATIONS MANAGEMENT

How Coronavirus Could Impact the Global Supply Chain by Mid-March

by [Pierre Haren](#) and [David Simchi-Levi](#)

February 28, 2020

WSJ | MARKETS



Source: Dow Jones Market Data

The Week That Wiped \$3.6 Trillion Off the Stock Market

U.S. stocks were at record levels just last week, seemingly unaffected by fears that the coronavirus could dent the global economy. Then reality took hold. 619

- Heard on the Street: Tech's Workarounds Have Limits
- How Epidemic Is Hitting Businesses Around the World
- Streetwise: Ask Yourself if Now Is the Time to Buy

The New York Times

New York Times Company

NEW YORK, SATURDAY, FEBRUARY 29, 2020

Late Edition

Today, periodic clouds and sunshine, breezy, cold, high 37. Tonight, partly cloudy, low 26. Tomorrow, plenty of sunshine, a bit more seasonable, high 43. Weather map, Page A28.

\$3.00

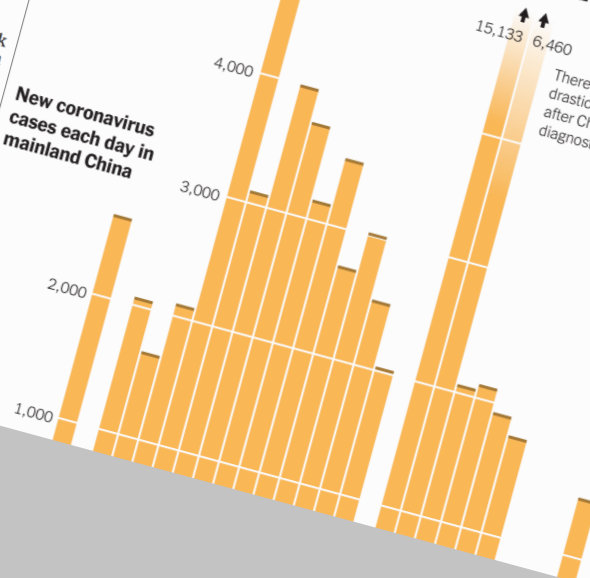
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WALL ST. SUFFERS ITS WORST WEEK SINCE 2008 AS VIRUS ANGST GROWS

New coronavirus cases each day in mainland China



Fed Signals It Is Ready to Step In to 'Support the Economy'

By MICHAEL CORKERY

Investors, fearing that the spread of the coronavirus is tipping the global economy into a recession, handed the stock market its largest weekly loss since the 2008 financial crisis on Friday amid worries that one of the longest economic expansions in history may be coming to an end. With the virus now detected in at least 56 countries, companies are readjusting their annual profit expectations, economists are lowering their forecasts for global growth and policymakers have signaled that they are ready, if needed, to act to stabilize the economy. As the stock market dropped

Potential Impact on Your Business

- Disruptive absenteeism
- Supply chain interruptions
- Increased expenses
- Delay or discontinue some services
- Products not wanted/surged
- Transportation disruptions
- Customer dissatisfaction
- Harm to brand/reputation
- Harm to bottom line



What is the Payoff of Planning NOW?

- Gives a “starting point” for a response
- Reduces spread of illness in workplace
- Help maintain continuity
- Preserves community essential services



How should we prepare?

Business Continuity Plan

**ANNEX:
Infectious
Disease/
Pandemic
Plan**



Four “C’s” for Planning



Four “C’s” for Planning



CONTINUITY

- Create a plan to monitor absenteeism
- Cross-train staff
- Extend working hours/shifts
- Support telework/remote operations
 - Streamline administrative procedures
 - Ensure IT support

Four “C’s” for Planning



CONTINUITY

- Prepare for school closures and cancellation of community gatherings
- Establish alternative supply chains
- Identify priority services
- Prepare for financial impacts
- Discuss with insurance carriers

Four “C’s” for Planning



WORKFORCE

- Protect health of staff
 - Sick people stay home!
 - Develop emergency sick & other leave policies
 - Increase social distancing (telework)
 - Some employees may be at high risk
 - Discuss with health insurance carriers

Four “C’s” for Planning



WORKFORCE

- Communicate plans to increase social distancing
 - Telework
 - Virtual meetings
 - Reduce non-critical travel
- Communicate with and educate staff
- Engage in-house occupational health
- Environmental cleaning
- Plan to provide employee assistance

Four “C’s” for Planning



CUSTOMERS

- Consider alternative ways of delivering goods/services
- Create ways to minimize close contact between customers and employees
- Be prepared to educate

Four “C’s” for Planning



CUSTOMERS

- Telephone messaging and signage
 - Use signage asking sick persons not enter (unless healthcare facility)
- Be ready for fear/anxiety, misinformation, and community disruption

Four “C’s” for Planning

COMMUNITY



- Reach out to Public Health & Emergency Mgt.
 - Identify credible sources of information
 - Collaborate on planning
 - Create trusted connections in advance
- Explore access to community resources for response and recovery

Test Your Plan!

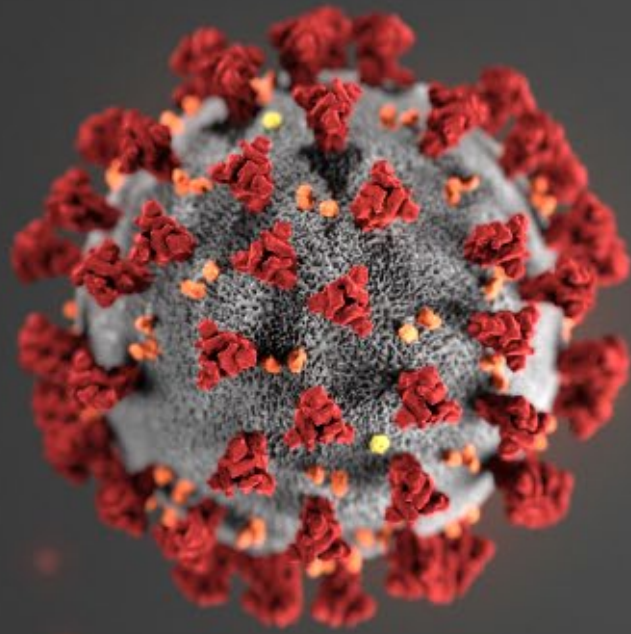


Source: FEMA HSEEP Exercise Cycle. https://www.fema.gov/media-library-data/20130726-1914-25045-8890/hseep_apr13_.pdf

Fighting Corona Virus: A Layered Approach

- Multiple Strategies
- Leadership
- Communication
- Flexibility





For more information, contact CDC
1-800-CDC-INFO (232-4636)
TTY: 1-888-232-6348 www.cdc.gov

[https://www.cdc.gov/coronavirus/
2019-nCoV/index.html](https://www.cdc.gov/coronavirus/2019-nCoV/index.html)

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.



SEASONAL FLU

Deaths
12,000 –
79,000

Hospitalizations
140,000 – 960,000

Influenza Cases
9,300,000 – 49,000,000



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