Overview of COVID-19 and CDC’s Response to the Pandemic with a Highlight of Federal COVID-19 Resources

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Coronavirus (CoV) Background

- Large family of viruses that cause respiratory illness
  - Belongs to *Coronaviridae* family
- First isolated in the 1960s
- Named for the crown-like spikes on surface
  - 4 subgroupings (alpha, beta, gamma, delta)
- Some can spread between among animals and people (zoonotic)
Severe Acute Respiratory Syndrome (SARS-CoV)

- November 2002 - Guangdong, China
- Countries: 29
- Cases worldwide: 8,000+ (2002–03)
- Deaths: 774 deaths
- Significant person-to-person spread
- No known human cases since 2004
Middle East Respiratory Syndrome (MERS-CoV)

- November 2012 – Saudi Arabia
- Countries: 27
- Cases worldwide: 2,400+, (10/2019)
- Deaths: 850+
- Limited person-to-person spread
- 2 US cases in 2014 among healthcare professionals

CDC Public Health Image Library; National Institute of Allergy and Infectious Diseases (NIAID)
COVID-19: Emergence

- Identified in Wuhan, China in December 2019
- Caused by the virus SARS-CoV-2
- Early on, many patients were reported to have a link to a large seafood and live animal market
- Later patients did not have exposure to animal markets
  - Indicated person-to-person spread
- Travel-related exportation of cases reported
  - First U.S. case: January 21, 2020
Cases & Deaths by State

This map shows COVID-19 cases and deaths reported by U.S. states, the District of Columbia, and other U.S.-affiliated jurisdictions. Each jurisdiction's health department reports how much the virus has spread in their community.

20 states report more than 10,000 cases of COVID-19.

Reported Cases

- 0 to 100
- 101 to 1,000
- 1,001 to 5,000
- 5,001 to 10,000
- 10,001 to 15,000
- 15,001 to 20,000
- 20,001 to 25,000
- 25,001 or more

May 2, 2020

New Cases by Day
The following chart shows the number of new cases of COVID-19 reported by day in the U.S. since the beginning of the outbreak.

[Graph showing new cases by day with a peak on 04/07/2020]

COVID-19: How It Spreads

- Mainly from person to person
  - Between people who are in close contact with one another (within about 6 feet)
  - By respiratory droplets an infected person coughs or sneezes

- May be spread by people who are not showing symptoms
  - Asymptomatic
  - Presymptomatic (48-72 hours)
How long can SARS-CoV-2 survive in the environment?

- Under controlled conditions...
  - Air < 3 hours
  - Copper 4 hours
  - Cardboard 24 hours
  - Plastic 2-3 days
  - Stainless Steel 2-3 days

- Exposure to sunlight, heat, or cold may affect these survival times.

COVID-19: Symptoms & Complications

Symptoms may include
- Fever
- Cough
- Shortness of breath
- Shaking chills
- Muscle ache
- Headache
- Sore throat
- Loss of taste or smell

Estimated incubation period
- 2 to 14 days

Wide range of illness severity
- Mild to severe illness
- Can result in death

Complications may include
- Pneumonia
- Respiratory failure
- Multisystem organ failure
People at Higher Risk for Severe Illness

- People 65 years and older
- People who live in a nursing home or long-term care facility
- People of all ages with underlying medical conditions, particularly if not well controlled, including:
  - chronic lung disease or moderate to severe asthma
  - serious heart conditions
  - immunocompromise
  - severe obesity (body mass index [BMI] of 40 or higher)
  - diabetes
  - chronic kidney disease undergoing dialysis
  - liver disease
1 in 4 hospitalized COVID-19 patients in Georgia did not have a high-risk condition.

It may be hard to know if you are at risk | Social distancing protects everyone.
- 1,482 laboratory-confirmed COVID-19–associated hospitalizations reported through COVID-NET.
- Race/ethnicity data was available for 580 patients.

[https://www.cdc.gov/mmwr/volumes/69/wr/mm6915e3.htm?s_cid=mm6915e3_e](https://www.cdc.gov/mmwr/volumes/69/wr/mm6915e3.htm?s_cid=mm6915e3_e)
Consult local public health authorities’ websites for local testing information.
COVID-19: Prevention & Treatment

Everyday preventive actions for respiratory illnesses

- Avoid touching your eyes, nose, and mouth.
- Avoid close contact with people who are sick.
- Stay home when you are sick.
- Cover your cough or sneeze.
- Clean and disinfect frequently touched objects and surfaces.
- Wash your hands often with soap and water for at least 20 seconds.
  - Use an alcohol-based hand sanitizer with at least 60% alcohol if soap and water are not readily available.

Treatment

- No specific antiviral treatment licensed for COVID-19
- May 1, 2020: Remdesivir, antiviral, to treat adults and children hospitalized with severe disease.
- Supportive care
  - Relieve symptoms
  - Manage pneumonia and respiratory failure
COVID-19: Social Distancing

- Also called “physical distancing”; keep space between yourself and others
- Can help slow ongoing spread of respiratory illnesses, like COVID-19
- This can include:
  - Personal protective measures
    - Maintain 6 ft. from others in public
    - Stay home if exposed or sick
  - Community measures
    - Postpone or cancel mass gatherings
    - Dismissal of schools
    - Encourage telework
Your cloth face covering protects them.
Their cloth face covering protects you.
COVID-19: What To Do if You Are Sick

- Stay home. Most people recover at home without needing medical care.
- Stay away from people as much as possible.
- Keep your distance and cover your coughs and sneezes if you must be around other people.
- Clean your hands often.
- Avoid sharing personal household items.
- Clean and disinfect frequently touched objects and surfaces.
- Monitor your symptoms for emergency warning signs, including trouble breathing.
- Get medical care quickly, but call ahead.

Discontinue home isolation

New, May 4, 2020
For most people:
- 10 days after illness onset and at least 3 days (72 hours) after recovery
- Recovery is resolution of fever without the use of fever-reducing medications with progressive improvement or resolution of other symptoms.
Information about the COVID-19 pandemic and CDC’s public health emergency response changes rapidly. Please check the CDC website frequently for new information and updates.
Overview of Federal COVID-19 Resources

Martha Knuth, MLIS

cdc.gov/coronavirus
Tidal Wave of Information

- Plethora of new information being created and updated daily
- How do we find:
  - The best information
  - The latest information
CDC’s COVID-19 Website

Symptoms & Testing

Watch for Symptoms
Common symptoms of COVID-19 include fever and cough. Learn more

Self-Checker
A guide to help you make decisions and seek appropriate medical care

Get Email Updates
To receive email updates about COVID-19, enter your email address:

Spanish Communication Resources

Content source: National Center for Immunization and Respiratory Diseases (NCIRD), Division of Viral Diseases
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<th>Other Frequently Asked Questions and Answers About:</th>
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Lost on a website?

- Google Search command site:
CDC’s Cases, Data, and Surveillance

COVIDView
A Weekly Surveillance Summary of U.S. COVID-19 Activity

CDC reports daily COVID-19 confirmed and probable infections and deaths in the U.S.

Mortality Reporting
CDC provides provisional death counts for COVID-19 and pneumonia based on death certificates with updates Monday – Friday.

Hospitalization Rates and Demographics
CDC monitors lab-confirmed COVID-19 hospitalizations, risk factors, and outcomes of those hospitalized each week.

Hospital Capacity
CDC enables hospitals to report current use and availability of hospital beds and mechanical ventilators, healthcare worker staffing, and PPE supplies.

Forecasts
CDC’s COVID Data Tracker

United States COVID-19 Cases
Reported to the CDC since January 21, 2020

Social Impact

Social Impact COVID-19 Events
CDC’s Communication Resources

CDC offers free resources including video, fact sheets, and posters. Below are links to current communication tools and resources available for use and distribution.

- **Guidance Documents**
- **Print Resources**
- **Videos**
- **Resources for Travelers**
- **Public Service Announcements (PSAs)**

**Public Health Image Library (PHIL)**

Public Health Image Library (PHIL) - The Public Health Image Library, or PHIL, was designed to share CDC public health images. CDC welcomes public health professionals, the media, laboratory scientists, educators, students, and the public to use this material for reference, teaching, presentations, and public health messages.
CDC’s Microsite

Coronavirus Disease 2019

Symptoms & Testing

Embed Code

Note: To see the results of the options you select, you can view them on the Preview tab.

Embed Options

Color: Blue

Your Location

Continent*
North America
Country*
United States
State/Province*
Select a State/Province

Embed Code (click to select all)
Filter by Audience

Guidance Documents

Found 101 items.

CDC's Laboratory Outreach Communication System
CDC’s gateway to interact with U.S. clinical laboratories. Current updates and answer questions from clinical laboratories through programs, and state public health laboratories.

Date: 4/27/20
Audience: Laboratory

Meat and Poultry Processing Workers and Employers
Guidance for Meat and Poultry Processing Workers and Employers

Date: 4/26/20
Audience: Businesses, High-Risk Populations
CDC’s Morbidity and Mortality Weekly Report (MMWR)

CORONAVIRUS DISEASE 2019 (COVID-19)

Read the latest reports from MMWR

cdc.gov/COVID19

COVID-19 Reports

- Public Health Response to the Initiation and Spread of Pandemic COVID-19 in the United States: February 24–April 21, 2020
- COVID-19 Among Workers in Meat and Poultry Processing Facilities — 19 States, April 2020
- Characteristics and Clinical Outcomes of Adult Patients Hospitalized with COVID-19 — Georgia, March 2020

To slow the spread of COVID-19 in meat and poultry processing facilities:

- Screen workers for symptoms
- Increase space between workers
- Enhance cleaning and disinfection
- Provide multilingual education/training

More>
CDC-INFO is experiencing a very high number of calls and emails. Wait times for inquiries on all topics are longer than usual.

If you are a healthcare provider with an urgent inquiry, or a member of the general public with an urgent information need, please call instead of sending your inquiry through the webform.

Due to the extremely high volume of inquiries, CDC is working to assist those with the most urgent information needs. Many general public inquiries submitted via the webform may not receive a reply from CDC-INFO, including inquiries submitted before April 9, 2020. If you submitted an inquiry and still need a response, please resubmit your inquiry through the webform or call CDC-INFO. CDC is working to increase our capacity to respond to inquiries. We appreciate your patience.

- If you have general questions about COVID-19, please see the CDC’s Coronavirus Disease 2019 FAQ page for timely information instead of submitting an email. This is an evolving situation, and CDC will provide information on our website as it becomes available.
- Try CDC’s online Coronavirus Self-Checker tool by clicking on the Self-Checker icon. This tool can help you make decisions about seeking appropriate medical care if you or someone you’re caring for may be sick with COVID-19.
- You can also visit the CDC website for answers to questions on several other health topics.

Contact Form
CDC’s COVID-19 Research Guide

This guide provides resources for researching COVID-19. In this guide you can find the following:

- **NEW: Research articles downloadable database**
  - The Stephen B. Thacker CDC Library is systematically searching the literature and compiling a downloadable database of research articles and grey literature on COVID-19 for researchers. Updates are posted daily Monday through Friday.

- **Databases and journals**
  - Selected scholarly literature databases and journals available to help you find research about COVID-19.

- **Search Alerts**
  - Search alerts notify you when new research is published on COVID-19.
  - Search alerts available for Ovid, PubMed, Scopus, and News sources.

- **Secondary Data and Statistics**
  - Selected sources for secondary data and statistics on COVID-19.

- **Websites**
  - Selected websites and organizations where you can find more information on COVID-19.
CDC’s Research Article Downloadable Database

- Searchable database of over 20,000 COVID-19 research articles
- Updates daily, Monday through Friday
- Posted in Excel and citation management software compatible file format (ris)
  - Free citation management software
    - https://www.mendeley.com/
    - https://www.zotero.org/
- Search strategy included
Need Access to the Scholarly Literature?

- Most publishers are making COVID-19 materials Open Access
- Don’t have access?
  - Interlibrary loan
  - Consortium sharing
  - Bookmarklets
    - [https://openaccessbutton.org/](https://openaccessbutton.org/)
    - [http://unpaywall.org/](http://unpaywall.org/)
  - Google command filetype:pdf
Overview of Other Federal Resources

- To check out even more, please visit https://www.usa.gov/coronavirus and https://www.coronavirus.gov/
Health and Safety

- Health and Human Services

- CARES Act Provider Relief Fund
  The CARES Act Provider Relief Fund provides $100 billion in direct funds to hospitals and other healthcare providers on the front lines of the COVID-19 response.

- Telehealth
  Learn how the new HHS Telehealth Toolkit makes telehealth services easier to implement and access during the COVID-19 public health emergency.

- Mental Health and Coping
  Learn how you can cope with stress and other impacts to your mental health during the COVID-19 outbreak.

- Grant Opportunities and Guidance
  Find information on funding opportunities and resources for HHS grants to community during the COVID-19 pandemic.

- COVID-19 News
  Get the latest coronavirus news from throughout the Department of Health and Human Services.

- Optimizing Ventilators
  Learn about the work we have been doing with partners to develop clinical standards of care strategies for ventilator support as their resources are limited.

- Slow the Spread of Coronavirus
  Follow these steps to slow the spread of COVID-19 and keep America safe.

- Slide 9

- Substance Abuse and Mental Health Services Administration (SAMHSA)
Health and Safety

- Many of these sites have unique toolkits and/or custom resources associated with their focus areas
- Remember the site: Google trick!

Coronavirus (COVID-19) Partner Toolkit

The Centers for Medicare & Medicaid Services (CMS) is taking action to protect the health and safety of our nation’s patients and providers in the wake of the 2019 Coronavirus (COVID-19) outbreak.

CMS has developed this toolkit to help you stay informed on CMS and HHS materials available on the COVID-19. Please share these materials, bookmark the page, and check back often for the most up-to-date information.

To listen to the audio files and read the transcripts for the COVID-19 Stakeholder calls, visit the Podcats and Transcripts page.

To keep up with the important work CMS is doing in response to COVID-19, please visit the Current Emergencies Website.

CDC Homepage

Coronavirus.gov

USA.gov

USA.gov (Spanish)

FEMA.gov

White House Coronavirus Task Force: Keeping Workplaces, Homes, Schools, or Commercial Establishments Safe.

- Families First Coronavirus Response Act
- Workplace, School and Home Guidance
- A Framework for Mitigation
Health and Safety
United States Census Bureau

- COVID-19 Data Hub
- Assistance for completing the 2020 Census
Health and Safety

- Homeland Security Digital Library
National Library of Medicine

- SARS COV2 data hub
- LitCovid
- ClinicalTrials.gov
- Disaster Information Management Research Center
Financial Relief, Benefits, and Grants
Travel, Immigration, and Transportation

- **CDC COVID-19 Travel Information**
- **US Citizenship and Immigration Services**
- **Federal Aviation Administration**
- **Federal Transit Administration**
Scams and Fraud

Here are 5 things you can do to avoid a Coronavirus scam:

1. Ignore offers for vaccinations and home test kits. Scammers are selling products to treat or prevent COVID-19 without proof that they work.

2. Hang up on robocalls. Scammers use illegal sales calls to get your money and your personal information.

3. Watch out for phishing emails and text messages. Don’t click on links in emails or texts you didn’t expect.

4. Research before you donate. Don’t let anyone rush you into making a donation. Get tips on donating wisely at ftc.gov/charity.

5. Stay in the know. Go to ftc.gov/coronavirus for the latest information on scams. Sign up to get FTC’s alerts at ftc.gov/subscribe.
Law Librarians of Congress

- **Resource Guide**
  - Legislation
  - Presidential Actions
  - Congressional Research Service Reports
  - Global Law Library Articles
Freedom of Information Act (FOIA) Requests

- **FOIA Resources Blog Post**
  - The Reporters Committee for Freedom of the Press’ Public Records and Open Meetings Measures Related to COVID-19

- **CDC FOIA Requests**

During the COVID-19 response, the CDC FOIA Office cannot receive any FOIA-related correspondence by USPS, FedEx or UPS.

Starting May 1, we will no longer be accepting requests via E-mail or fax. Requesters can submit a FOIA request using one of the options below:

1. FOIA Public Access Link (PAL)
2. Submit a request via [FOIA.gov](https://www.foia.gov)

Institute of Museum and Library Services

- COVID-19 Updates
- Grant Information
- Resources for libraries and museums
  - Long list of associations and their resource guides
Institute of Museum and Library Services

- **Mitigating COVID-19 When Managing Paper-Based, Circulating, and Other Types of Collections**
- More videos: [https://www.ncptt.nps.gov/blog/category/videos/](https://www.ncptt.nps.gov/blog/category/videos/)
FDLP Toolkit

COVID-19 Toolkit: Federal Depository Library Program

Details
Last Updated: April 20 2020
Published: April 13 2020

As Federal depository library staff and patrons are dealing with library closures, virtual work environments, and virtual service environments related to the COVID-19 pandemic, finding all of the information you need, and finding reliable information can be daunting.

From this toolkit, you can access:

- Information for Federal depository library staff on FDLP operations during the pandemic.
- Reliable U.S. Government information resources for FDLP patrons.
- Downloadable images you can use for your library website to link patrons to your COVID-19 information pages or research guides.

COVID-19 Guidance for Federal Depository Library Staff

- FDLP Claims: Materials Being Held at GPO Distribution Facility
- FDLP Shipments: Suspension Extended
- FDLP Academy Continuing Education During COVID-19 Pandemic
- FDLP eXchange Review Periods Increased
- Temporary Closures and Changing Library Operations
- FDLP Shipments Temporarily Suspended
- Additional Guidance for FDLS
- Guidance for FDLS
- Mitigating COVID-19 When Managing Paper-Based, Circulating, and Other Types of Collections (IMLS/CDC webinar)

Disclaimer: Materials listed in these slides are selected to provide awareness of quality public health literature and resources. A material’s inclusion does not necessarily represent the views of the U.S. Department of Health and Human Services (HHS), the Public Health Service (PHS), or the Centers for Disease Control and Prevention (CDC), nor does it imply endorsement of the material’s methods or findings. HHS, PHS, and CDC assume no responsibility for the factual accuracy of the items presented. The selection, omission, or content of items does not imply any endorsement or other position taken by HHS, PHS, and CDC. Opinion, findings, and conclusions expressed by the original authors of items included in these materials, or persons quoted therein, are strictly their own and are in no way meant to represent the opinion or views of HHS, PHS, or CDC. References to publications, news sources, and non-CDC Websites are provided solely for informational purposes and do not imply endorsement by HHS, PHS, or CDC.
Links mentioned

- Centers for Disease Control and Prevention
  - https://www.cdc.gov/mmwr/index.html
  - https://www.cdc.gov/cdc-info/index.html
Links mentioned

- Other Federal resources
  - General
    - https://www.usa.gov/coronavirus
    - https://www.coronavirus.gov/
  - Health and Safety
    - https://www.nih.gov/health-information/coronavirus
    - https://www.hrsa.gov/
    - https://www.samhsa.gov/coronavirus
    - https://acl.gov/COVID-19
    - https://www.ihs.gov/coronavirus/?CFID=179184448&CFTOKEN=13541830
Links mentioned

- Other Federal resources
  - Health and Safety (continued)
    - https://www.epa.gov/coronavirus
    - https://www.usda.gov/coronavirus
    - https://www.osha.gov/SLTC/covid-19/
    - https://www.cpsc.gov/Safety-Education/Safety-Education-Centers/covid-19-home-
    - Safety
    - https://www.fema.gov/
    - https://www.publichealth.va.gov/n-coronavirus/
    - https://covid19.census.gov/?
    - https://www.census.gov/programs-surveys/surveyhelp.html
    - https://www.hsdl.org/c/
Links mentioned

- Other Federal resources
  - Financial Relief, Benefits, and Grants
    - [https://www.dol.gov/coronavirus](https://www.dol.gov/coronavirus)
    - [https://www.studentaid.gov/announcements-events/coronavirus](https://www.studentaid.gov/announcements-events/coronavirus)
    - [https://www.usajobs.gov/](https://www.usajobs.gov/)
    - [https://www.arts.gov/covid-19-resources-for-artists-and-arts-organizations](https://www.arts.gov/covid-19-resources-for-artists-and-arts-organizations)
    - [https://www.grants.gov/](https://www.grants.gov/)
  - Travel, Immigration, and Transportation
    - [https://www.faa.gov/coronavirus/](https://www.faa.gov/coronavirus/)
Links mentioned

- Other Federal resources
  - Scams and Fraud
    - [https://www.ftc.gov/coronavirus/scams-consumer-advice](https://www.ftc.gov/coronavirus/scams-consumer-advice)
    - [https://www.fbi.gov/coronavirus](https://www.fbi.gov/coronavirus)
    - [https://www.usa.gov/coronavirus](https://www.usa.gov/coronavirus)
  - Legislation
  - Freedom of Information Act Requests
    - [https://docs.google.com/spreadsheets/d/e/2PACX-1vTyXolXI2whyl9akO7WT5tL9dzUdwOfJZC9K-DHu1C7JhmD-R5QM4EMe2k9gmBrY5c3-P08qhs8ijW/pubhtml?urp=gmail_link](https://docs.google.com/spreadsheets/d/e/2PACX-1vTyXolXI2whyl9akO7WT5tL9dzUdwOfJZC9K-DHu1C7JhmD-R5QM4EMe2k9gmBrY5c3-P08qhs8ijW/pubhtml?urp=gmail_link)
    - [https://www.cdc.gov/od/foia/index.htm/](https://www.cdc.gov/od/foia/index.htm/)
Links mentioned

- Other Federal resources
  - Institute of Museum and Library Services
    - https://www.ncptt.nps.gov/blog/category/videos/
  - Federal Depository Library Program toolkit
Questions?

Thank you for attending this presentation and for everything that you do!
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.