COVID-19 Dashboard by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins University

Total Confirmed: 1,040,488

Confirmed Cases by Country/Region/Sovereignty:
- 1,040,488 US
- 236,899 Spain
- 203,591 Italy
- 166,628 France
- 166,441 United Kingdom
- 161,552 Germany
- 117,589 Turkey

Lancet Inf Dis Article: [Here](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7510589/). Mobile Version: [Here](https://coronavirus.jhu.edu/). Lead by JHU CSSE. Automation Support: [Esri Living Atlas team](https://livingatlas.esri.com/) and JHU.
Daily confirmed new cases (5-day moving average)

Outbreak evolution for the current 10 most affected countries

Click any country below to hide/show from the graph:
- US
- Italy
- United Kingdom
- Belgium
- Spain
- France
- Germany
- Iran
- Brazil
- China

Source: CSSE COVID Dashboard, Johns Hopkins
Many Areas in U.S. Still Seeing Rising Cases
What’s New This Week

A Larger Toll?
Evidence emerges of twice as many excess deaths as were attributed to the coronavirus in early weeks.

For Mayors
Important to encourage people to seek medical attention for other life-threatening illnesses. Also: childhood vaccinations.
What’s New This Week

Positive Signs on Immunity

Survivors can make “neutralizing antibodies.” Convalescent serum well tolerated. At least 3 efforts aim to have results on effectiveness by the fall.

For Mayors

Our understanding about coronavirus is advancing. Every day we each do our part is another day for science to move forward. Studies will distinguish between hope and reality.
COVID-19
Addressing Racial and Ethnic Disparities in Infections, Treatment, and Deaths

APRIL 30, 2020  |  LISA A. COOPER, MD, MPH
Vulnerable Populations and Groups with Health Disparities in U.S.

- People of Color
- Persons with Low Income
- Immigrants
  - Women
  - Children
  - Older Adults
  - Homeless or housing insecure
  - Persons with chronic conditions
- LGBTQ
  - Individuals with Special Needs
  - Rural and Urban Residents
  - Persons with Low Literacy and Numeracy
  - Persons in correctional institutions
  - Residents of nursing homes and assisted living facilities

Sources


Follow the Data – and Question It

Frequency of COVID-19 Diagnoses for African Americans Relative to Percentage of the Population in Four States

Additional Places Where Black People are Being Disproportionately Affected by COVID-19

STATES
Alabama, Illinois, Louisiana, Mississippi, Missouri

CITIES AND COUNTIES
Albany County, Georgia
Baltimore, Maryland
Chicago, Illinois
Milwaukee County, Wisconsin
Richmond, Virginia

Source: https://www.brookings.edu/blog/fixgov/2020/04/09/why-are-blacks-dying-at-higher-rates-from-covid-19/

Spotlight on Communities at Risk

People of Color
African Americans, Hispanics, Native Americans, and Immigrants

Essential Workers
Persons who work in transportation, government, health care support services, caregiver, custodial clearing services, and food supply services
Challenges Magnified for Vulnerable Populations During COVID-19 Outbreak

- Lack of access to basic resources such as food, water, shelter, and transportation
- Suboptimal housing conditions
- Employment in essential jobs with limited protections
- Lack of access to healthcare services
- Mistrust of institutions due to discriminatory experiences
COVID-19: Who Are the Essential Workers?

Less than one in five black workers and roughly one in six Hispanic workers are able to work from home
Share of workers who can telework, by race and ethnicity, 2017–2018

<table>
<thead>
<tr>
<th>Race</th>
<th>Ethnicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>29.9%</td>
</tr>
<tr>
<td>Black or African American</td>
<td>19.7%</td>
</tr>
<tr>
<td>Asian</td>
<td>37.0%</td>
</tr>
<tr>
<td>Hispanic or Latino</td>
<td>16.2%</td>
</tr>
<tr>
<td>Non-Hispanic or Latino</td>
<td>31.4%</td>
</tr>
</tbody>
</table>


Higher-wage workers are six times as likely to be able to work from home as lower-wage workers
Share of workers who can telework, by wage level, 2017–2018

<table>
<thead>
<tr>
<th>Wage Level</th>
<th>Share</th>
</tr>
</thead>
<tbody>
<tr>
<td>Earnings greater than the 75th percentile</td>
<td>61.5%</td>
</tr>
<tr>
<td>Earnings from 50th to 75th percentiles</td>
<td>37.3%</td>
</tr>
<tr>
<td>Earnings from 25th to 50th percentiles</td>
<td>20.1%</td>
</tr>
<tr>
<td>Earnings less than or equal to the 25th percentile</td>
<td>9.2%</td>
</tr>
</tbody>
</table>


https://www.epi.org/blog/black-and-hispanic-workers-are-much-less-likely-to-be-able-to-work-from-home/
A Game Plan to Help the Most Vulnerable

1. Track data on COVID-19 cases by race, ethnicity, and geography
2. Communicate and build trust with communities of color
3. Enhance access to testing and health care
4. Protect essential and low wage workers
5. Provide social services to keep vulnerable groups safe

What Mayors Can Do to Help

1

Track Data on COVID-19 Cases by Race, Ethnicity, and Geography

City leaders need to understand who is at risk and what factors could be contributing to the increased risk and spread of infection.

GOAL

- Learn which groups are most affected
- Decide where to invest resources such as testing, personal protective equipment, and social services

ACTION

Establish a data dashboard or work with county to report on COVID diagnoses broken down by race, ethnicity, and neighborhood
What Mayors Can Do to Help

2 Communicate and Build Trust with Communities of Color

Communities of color should be kept up-to-date about the impact of the pandemic on their communities and given opportunities to discuss their needs.

GOAL

- Strengthen relationships with community leaders and residents
- Create opportunities for communication and collaboration with communities

ACTION

Convene an advisory committee that includes trusted community leaders who can serve as messengers
COVID-19 has worsened access to care for persons who are uninsured and those with other barriers to care. This can worsen existing health disparities.

**What Mayors Can Do to Help**

**Enhance Access to Testing and Health Care**

**GOAL**
- Improve access to screening and referrals for testing
- Improve access to care for chronic conditions and acute problems

**ACTIONS**
- Establish a call center and coordinated plan for testing and clinical care with health care partners or work with county to collaborate on access and awareness
What Mayors Can Do to Help

4

Protect Essential and Low Wage Workers

Access to testing and medical supplies combined with protective policies are essential to prevent illness and spread to family members and community.

GOAL

• Protect essential workers from getting sick
• Provide paid sick leave and access to testing and care for essential workers

ACTION

Work with employers to provide supplies such as masks, gloves, and sanitizer and to establish sick leave and testing policies
People of color, immigrants, and persons with low income may not be able to practice social distancing because they need to shop for food often, live in crowded homes, and use public transportation.

What Mayors Can Do to Help

5

Provide Social Services to Keep Vulnerable Groups Safe

GOAL

Provide services to meet basic needs such as food, shelter, and transportation

ACTION

Create an interagency team to assess community need and coordinate support for communities of color, immigrants, and low-income communities
QUESTIONS?

Joshua Sharfstein, MD
Lisa A. Cooper, MD, MPH