US COVID ATLAS: EXPLORING DATA TO MOVE TO ACTION

County Health Rankings & Roadmaps

countyhealthrankings.org
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WHY WE DO WHAT WE DO

Improve Health Outcomes
WHY WE DO WHAT WE DO

Increase Health Equity
JOIN US FOR MORE DISCUSSION — TODAY!

▶ **When:** Immediately following the webinar
▶ **What:** Interactive learning experience, opportunity to share ideas and ask questions
▶ **How:** Videoconference and/or phone via Zoom
▶ **Why:** Deepen the webinar learning, allow further exploration
The COVID Challenge

- Lack of publicly available county-level data COVID surveillance
- Existing tools generally only offer static maps with recent data (i.e., limited interaction or access to historical records or trends)
- Not all groups can access sophisticated spatial analytic software
- Multiple datasets of differing quality; no authoritative source
State vs County

Confirmed COVID Cases by 10,000 persons on June 1 2020 USAFacts
State vs County

Confirmed COVID Cases by 10,000 persons on June 1 2020 USAFacts
Confirmed COVID Cases by 10,000 persons on June 1 2020 USAFacts
Our Response:
The US COVID Atlas
The Atlas Allows Users to:

- Identify regional hotspots for mitigation
- Track patterns to better plan ahead
- Interact and forecast viral spread at state and county levels
- Make visible vulnerable communities
- Identify emerging risk
The Research Coalition

Wisconsin University of Wisconsin-Madison

University of Chicago

Berkeley University of California

County Health Rankings & Roadmaps
Building a Culture of Health, County by County

A Robert Wood Johnson Foundation program

CSI Solutions
## Who Uses the Atlas?

### Healthcare Professionals
- National network of Rural Healthcare Practitioners
- Division of Provider Services and Quality Assurance (DHS) in Arkansas
- Pediatrics Researcher, Children's Hospital in Bronx
- Cincinnati Children's Hospital
- UTexas Medical School
- Stanford Medicine

### Businesses
- Food Corporation executive managing multiple factories in Tennessee
- Multiple businesses within Dallas, TX area

### The Public
- 65,000+ users

### Journalists
Identified Vulnerability in Rural Areas

- 93% increase since end of May in rural vs 62% in urban
- Population-adjusted measures highlight rurality vuln. since March/April
- Less hospital infrastructure and generally more vulnerable groups on average

<table>
<thead>
<tr>
<th>County Indicators</th>
<th>URBAN</th>
<th>RURAL</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>COVID</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>% Change in Cases Per 10K Persons from end of May to July 6</td>
<td>62</td>
<td>93</td>
</tr>
<tr>
<td><strong>Length &amp; Quality of Life</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Life Expectancy</td>
<td>78</td>
<td>77</td>
</tr>
<tr>
<td>Average number of years a person can expect to live</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Self-rated health %</td>
<td>17</td>
<td>18</td>
</tr>
<tr>
<td>Percentage of adults reporting fair or poor health</td>
<td></td>
<td></td>
</tr>
<tr>
<td>People ages 65 and over %</td>
<td>16</td>
<td>18</td>
</tr>
<tr>
<td>Adult Obesity %</td>
<td>32</td>
<td>34</td>
</tr>
<tr>
<td>Percentage of the adults age 20 &amp; above that report a body mass index (BMI) &gt; 30 kg/m²</td>
<td></td>
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<tr>
<td>Diabetes prevalence %</td>
<td>11</td>
<td>13</td>
</tr>
<tr>
<td>Percentage of adults aged 20 &amp; above with diagnosed diabetes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adult smoking %</td>
<td>17</td>
<td>18</td>
</tr>
<tr>
<td>Percentage of adults who are current smokers</td>
<td></td>
<td></td>
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<tr>
<td>Excessive drinking %</td>
<td>18</td>
<td>17</td>
</tr>
<tr>
<td>Percentage of adults reporting binge or heavy drinking</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drug overdose deaths</td>
<td>22</td>
<td>24</td>
</tr>
<tr>
<td>Number of drug poisoning deaths per 100,000 population</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Children in poverty %</td>
<td>19</td>
<td>23</td>
</tr>
<tr>
<td>Percentage of children under age 18 living in poverty</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Median household income</td>
<td>$58,414</td>
<td>$48,853</td>
</tr>
<tr>
<td>Uninsured %</td>
<td>10</td>
<td>11</td>
</tr>
<tr>
<td>Percentage of people under age 65 without insurance</td>
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</tbody>
</table>

Counties with more than 50% population living in Rural Areas as per the County Rurality Level 2010 report from 2010 Census are classified as rural.
Uncovered Vulnerable Communities

Persistent & Growing Hotspots in the Black Belt of the Southern U.S.
Track Emerging Trends & Unexpected Hotspots

Each hotspot has its own story:

- funeral,
- church,
- meatpacking plant,
- essential worker commuting patterns,
- response to varying policies between states
- etc.

Use confirmed COVID case rate & 7-day average new case rate via choropleth + hotspots to explore.

COVID is a national story with a local experience.
The inequities we are seeing in COVID are long-standing, unfair patterns.

CHRR, Census, City Health Dashboard and other data platforms help understand the context of your community.

It’s an important first step, but the work does not stop there.
COMPLETING THE DATA STORY

- Local, real-time data is invaluable – and stories and lived experiences are data, too!
- Who in your community can you engage in order to better understand or track how COVID is affecting your community?
- Center equity in the data collection process
Welcome to the U.S. COVID-19 Atlas Community
The US COVID Atlas is a county-level visualization tool that enables interactive exploration of COVID case data and community indicators across the United States from multiple sources, from the beginning of the pandemic to today. In a quickly changing pandemic landscape, access to county-level data and regional insights is crucial to understanding needs and supporting planning and intervention efforts.

Click on the map to view the Atlas

COVID-19 Atlas Forum

Recent Posts

COVID Atlas • What does the Pandemic Severity Index tell me on the Atlas? What does the Pandemic Severity Index tell me on the Atlas? Statistics: Posted by gwolverton@preadinnovati on.com — Jul 2020 Read more

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https://covidatlas.healthcarecommunities.org/
DIG IN: ACTION LEARNING GUIDES

Blend of guidance, tools, and hands-on practice to help you get started and support community change

Topics include:
- Understanding and using data
- Promoting health and equity
- Focusing on factors that influence health
QUESTIONS?
WE WANT TO HEAR FROM YOU!

Click the link to answer a few questions about today’s webinar.
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Health Equity and Social Solidarity in the Time of Pandemic: Strategies for COVID-19 Response and Recovery

Webinars will highlight challenges communities are facing as they respond to COVID-19 and offer insights from local and national leaders as we work toward a more inclusive and equitable recovery for all.

Exploring Guaranteed Income as a Strategy to Address Income Inequality
Watch on-demand

COVID-19: Disproportionate Impact on Tribal Nations
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COVID-19: Disproportionate Impact on Black Communities
Watch on-demand

Responding to Crisis in the LatinX Population with an Equity Lens
Tuesday, August 13 | 3:00 – 3:30pm ET

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