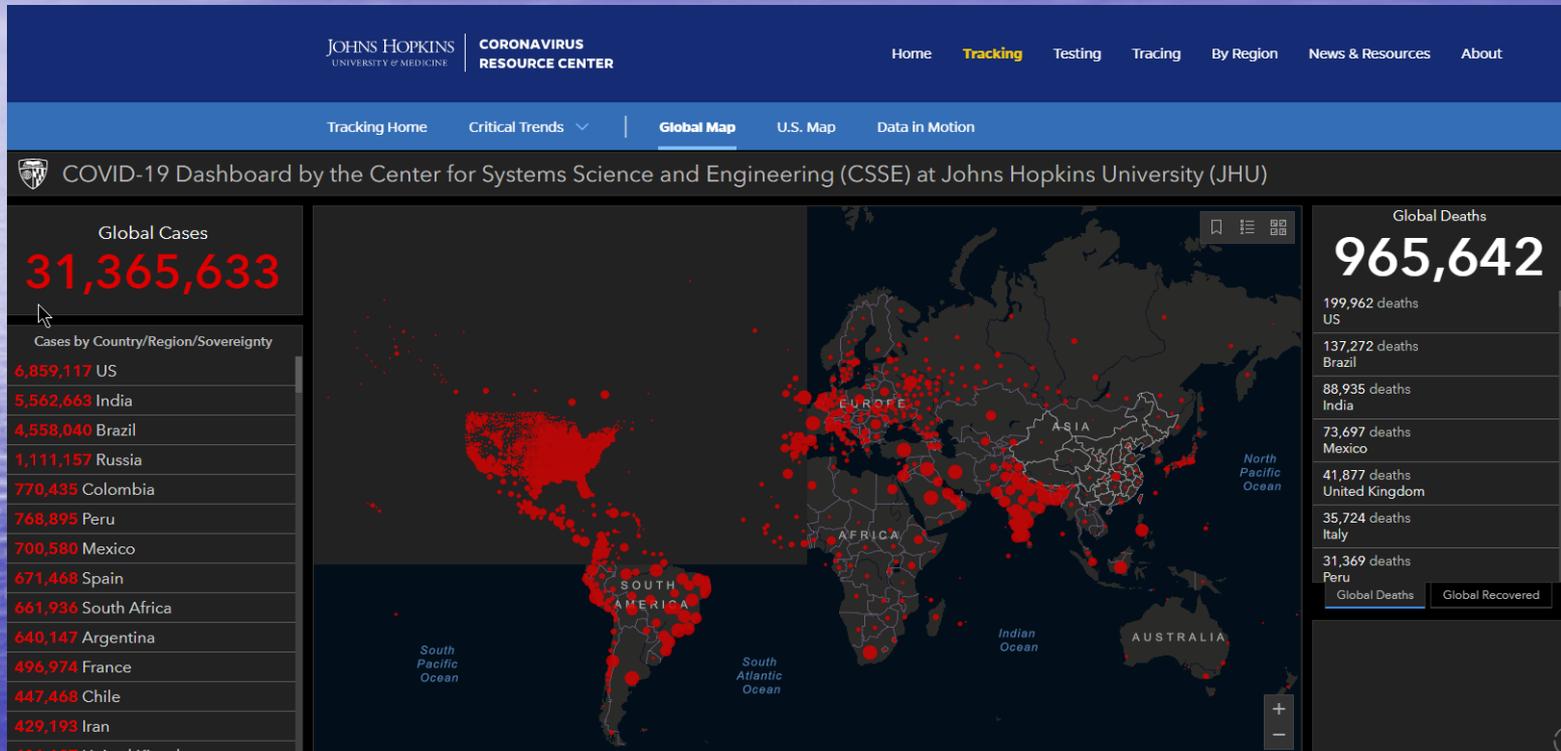


Tracking the Media Tracking the Coronavirus: Re-Opening and Herd Immunity

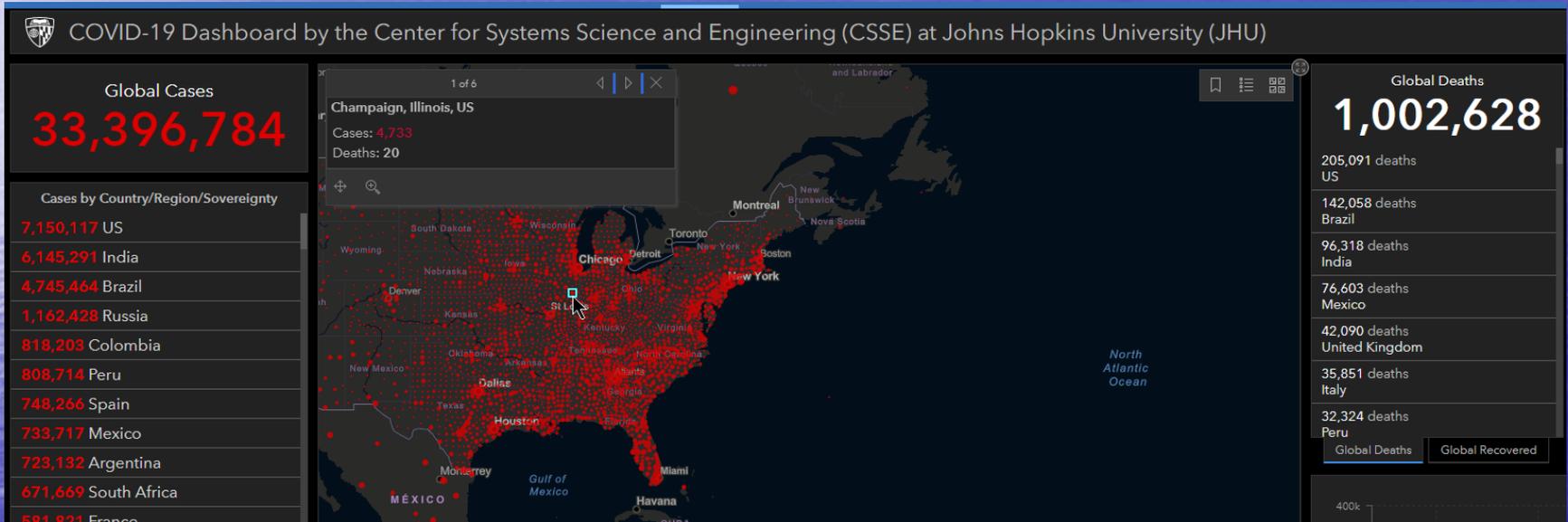
Brant Houston
Knight Chair in Investigative Reporting
University of Illinois
brant.houston@gmail.com

Johns Hopkins Covid Map Sept 22



<https://coronavirus.jhu.edu/map.html>

Johns Hopkins Covid Map Sept 29



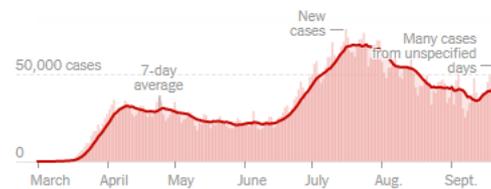
NY Times Covid-19 Sept. 22

WORLD COUNTRIES | U.S.A. STATES COLLEGES

Covid in the U.S.: Latest Map and Case Count

By The New York Times Updated September 22, 2020, 8:01 A.M. E.T.

Leer en español



	TOTAL REPORTED	ON SEPT. 21	14-DAY CHANGE
Cases	6.8 million+	54,874	+7% ↗
Deaths	199,789	428	-4% ↘

■ Day with data reporting anomaly.
Includes confirmed and probable cases where available. 14-day change trends use 7-day averages.

Map

Cases by state

Hot spots

Clusters

Latest news »

At least 428 new coronavirus deaths and 54,874 new cases were reported in the United States on Sept. 21. Over the past week, there have been an average of 41,812 cases per day, an increase of 7 percent from the average two weeks earlier.

<https://www.nytimes.com/interactive/2020/us/coronavirus-us-cases.html>

NY Times Covid-19 – Sept 29

The New York Times

WORLD COUNTRIES | U.S.A. STATES COLLEGES

Covid in the U.S.: Latest Map and Case Count

By The New York Times Updated September 29, 2020, 12:07 A.M. E.T.
[Leer en español](#)

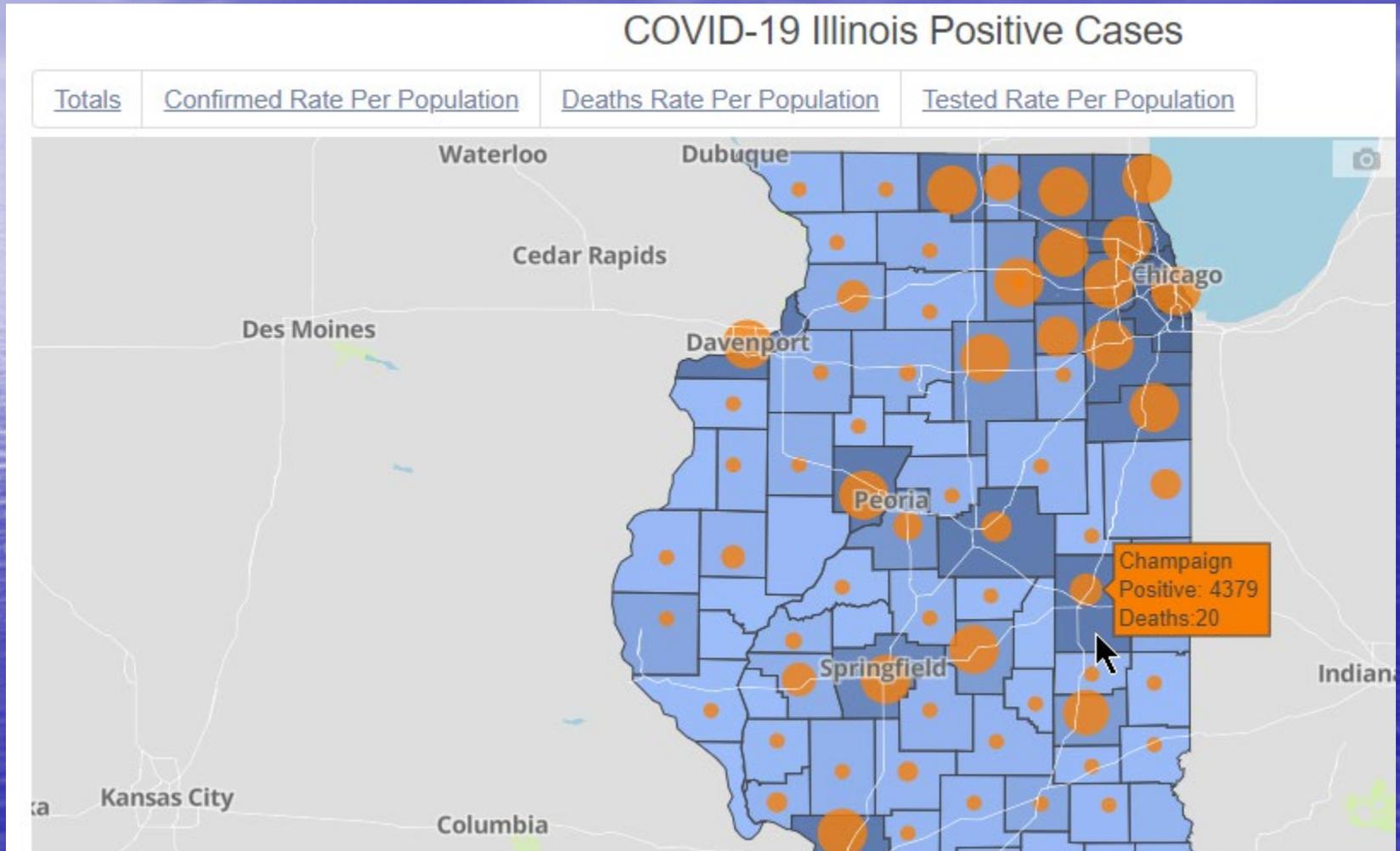
	TOTAL REPORTED	ON SEPT. 28	14-DAY CHANGE
Cases	7.1 million+	37,234	+15% →
Deaths	204,941	344	-3% ↩

■ Day with data reporting anomaly.
Includes confirmed and probable cases where available. 14-day change trends use 7-day averages.

Map Cases by state Hot spots Clusters Latest news »

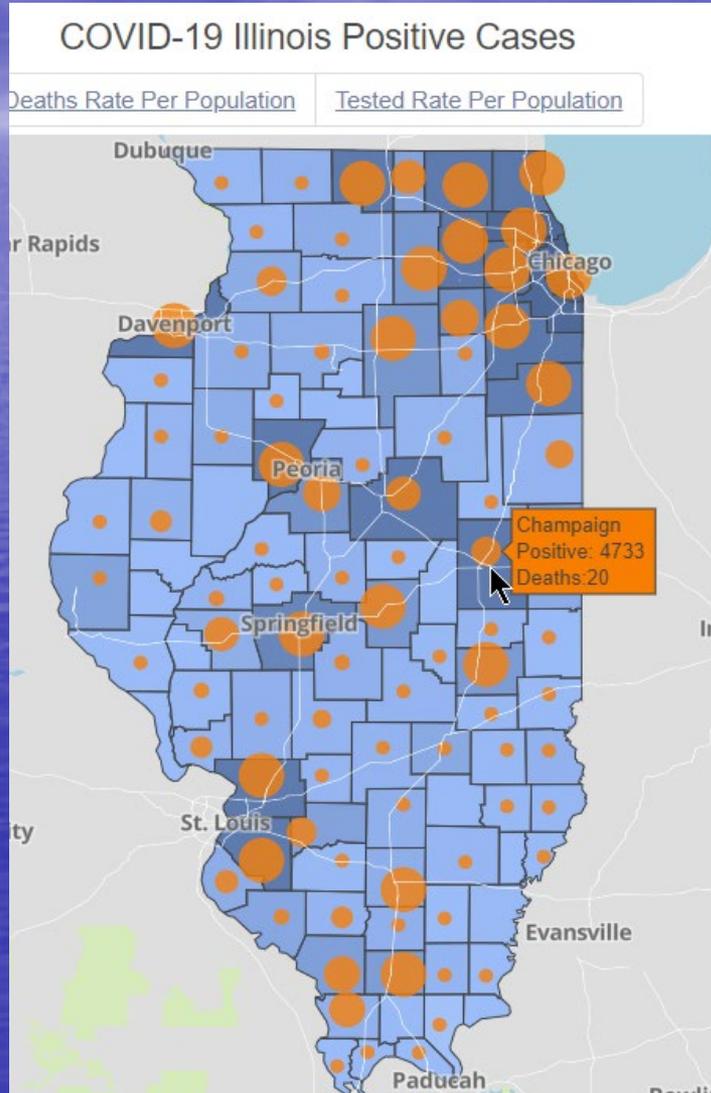
At least 344 new coronavirus deaths and 37,234 new cases were reported in the United States on Sept. 28. Over the past week, there have been an average of 42,271 cases per day, an increase of 15 percent from the average two weeks earlier.

Illinois Public Health 4,379 – 9/22

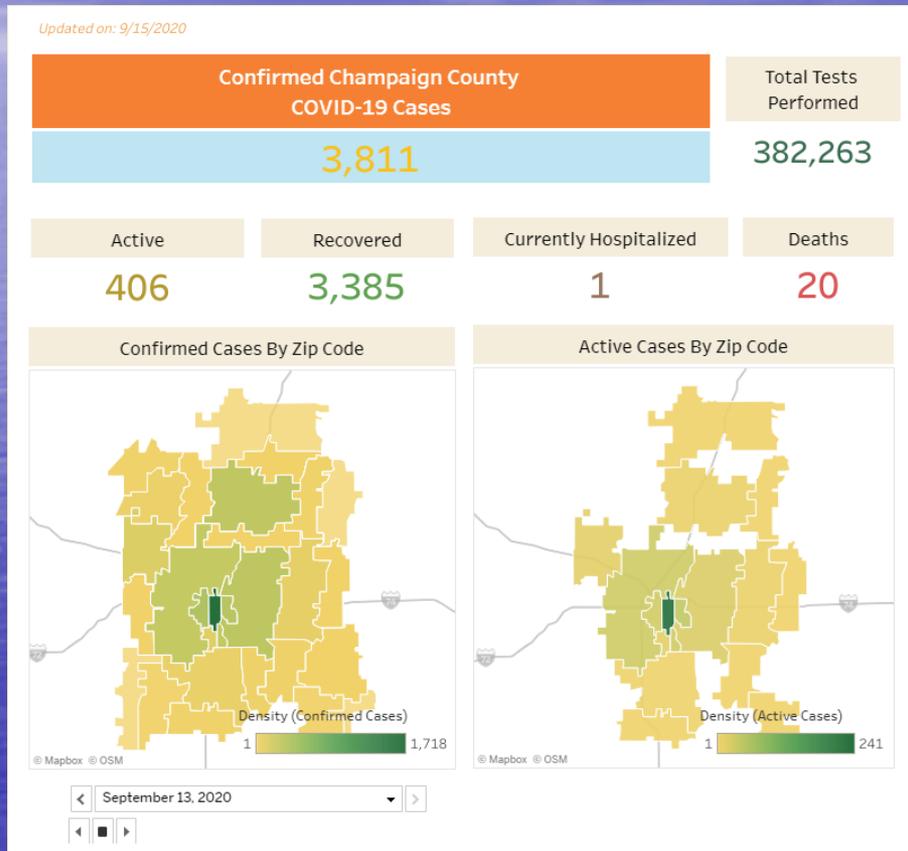


<https://www.dph.illinois.gov/covid19>

Illinois Public Health 4,733 – 9/22



County Dashboard – Sept 14



<https://www.c-uphd.org/champaign-urbana-illinois-coronavirus-information.html>

CUPHD – Sept. 22

Updated on: 9/22/2020

Confirmed Champaign County
COVID-19 Cases

4,336

Total Tests
Performed

446,570

Active

327

Recovered

3,989

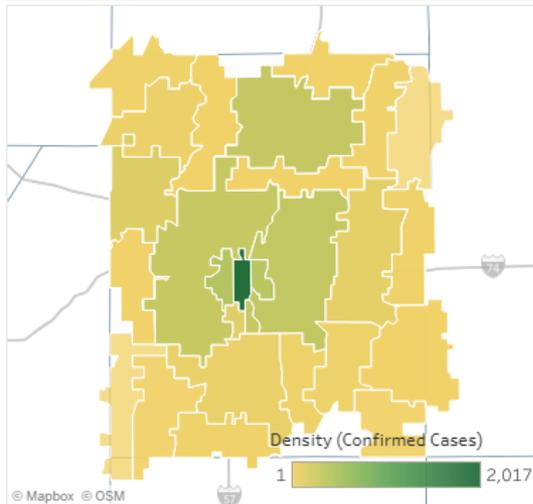
Currently Hospitalized

4

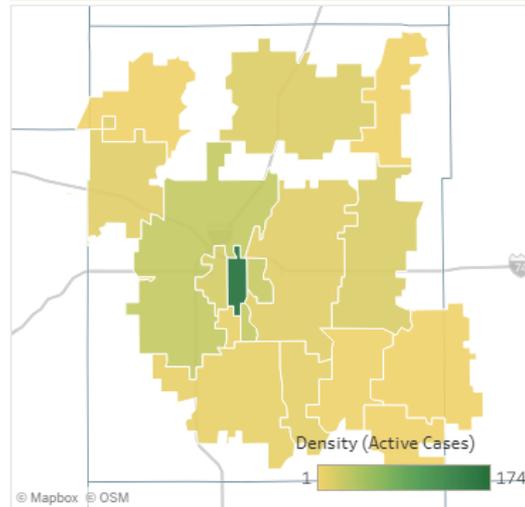
Deaths

20

Confirmed Cases By Zip Code



Active Cases By Zip Code



CUPHD – Sept. 29

Updated on: 9/29/2020

Confirmed Champaign County
COVID-19 Cases

4,691

Total Tests
Performed

515,105

Active

356

Recovered

4,315

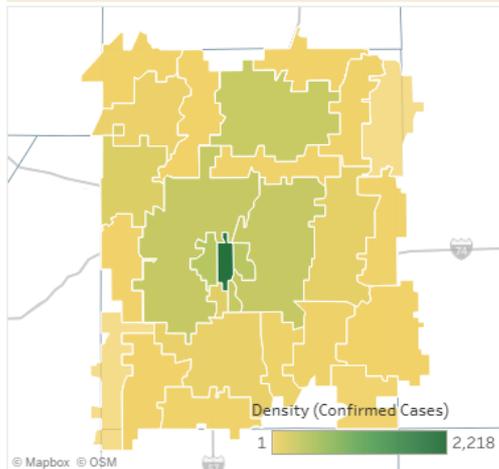
Currently Hospitalized

8

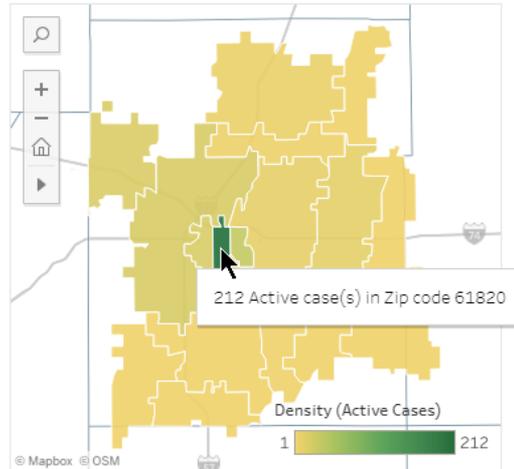
Deaths

20

Confirmed Cases By Zip Code



Active Cases By Zip Code



< September 27, 2020 >



University of Illinois

Shield Testing Data

Results for University of Illinois, Urbana-Champaign.

Direct linking to this site will not work. To share please use <https://go.illinois.edu/COVIDTestingData>

View this webpage for more explanation of the data displayed in the dashboard, <https://covid19.illinois.edu/on-campus-covid-19-testing-data-dashboard/>

Total Test Results

352,819

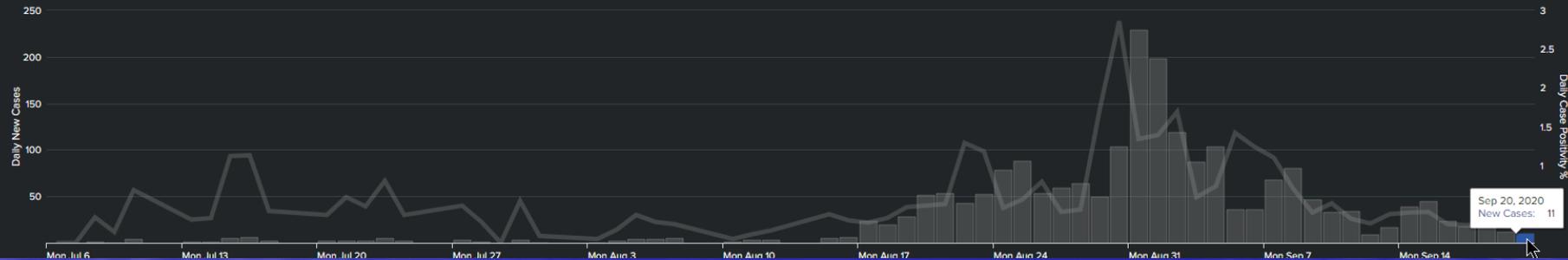
Past 7-Day Case Positivity Rate

0.31 %

Case positivity is unique new cases/total number of test results.

Unique New Cases

Unique New Cases are the first time an individual is detected COVID-19 positive by the SHIELD saliva test



University of Illinois

Shield Testing Data

Results for University of Illinois, Urbana-Champaign.
Direct linking to this site will not work. To share please use <https://go.illinois.edu/COVIDTestingData>
View this webpage for more explanation of the data displayed in the dashboard. <https://covid19.illinois.edu/on-campus-covid-19-testing-data-dashboard/>

Total Test Results

412,470

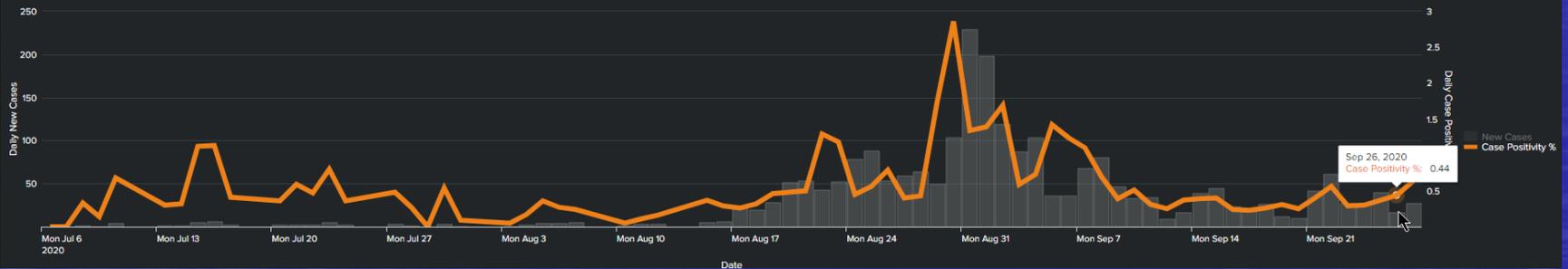
Past 7-Day Case Positivity Rate

0.41 %

Case positivity is unique new cases/total number of test results.

Unique New Cases

Unique New Cases are the first time an individual is detected COVID-19 positive by the SHIELD saliva test



Cumulative Cases in the County



Public Health Housing Justice Education Public Funds Apps, Maps and Visualization Freedom of Information Guides

COVID-19 TIPS

Champaign County as of Sept. 21 while county health department reports 4,299 on Sept 21, 80 fewer cases than the state because of lag time in county investigatic

Champaign County Covid-19 Cases at 4,379 on 9-21-2020



This is based on initial reports and numbers released by the Illinois Department of Public Health and the Champaign-Urbana Public Health Department. Numbers sometimes vary because of lag time in county reporting.

Chart: Brant Houston • Source: CU-CitizenAccess.org • [Get the data](#) • Created with [Datawrapper](#)

Cumulative Cases in the County

COVID-19 UPDATES

Covid cases in Champaign County as of Sept. 28 while county health department reports 4,649 on Sept 28, 84 fewer cases than the state because of lag time in c

Champaign County Covid-19 Cases at 4,733 on 9-28-2020



This is based on initial reports and numbers released by the Illinois Department of Public Health and the Champaign Urbana Public Health Department. Numbers sometimes vary because of lag time in county reporting.

Chart: Brant Houston • Source: CU-CitizenAccess.org • [Get the data](#) • Created with [Datavrapper](#)

Positivity Rates

NEW COVID-19 CASES

This number shows unique, new cases per day, defined as the first time an individual is detected COVID-19 positive with an on-campus test.

<https://covid19.illinois.edu/on-campus-covid-19-testing-data-dashboard/>

Positivity Rates

Please note: Before August 31, we were showing the number of positive COVID-19 tests per day. The university decided to **shift to unique, new cases in order to eliminate counting multiple tests by an individual** and to eliminate counting individuals who continue to test COVID-19 positive, even though they have been medically cleared as not contagious and able to participate in on-campus activities.

Positivity Rates

CASE POSITIVITY RATE

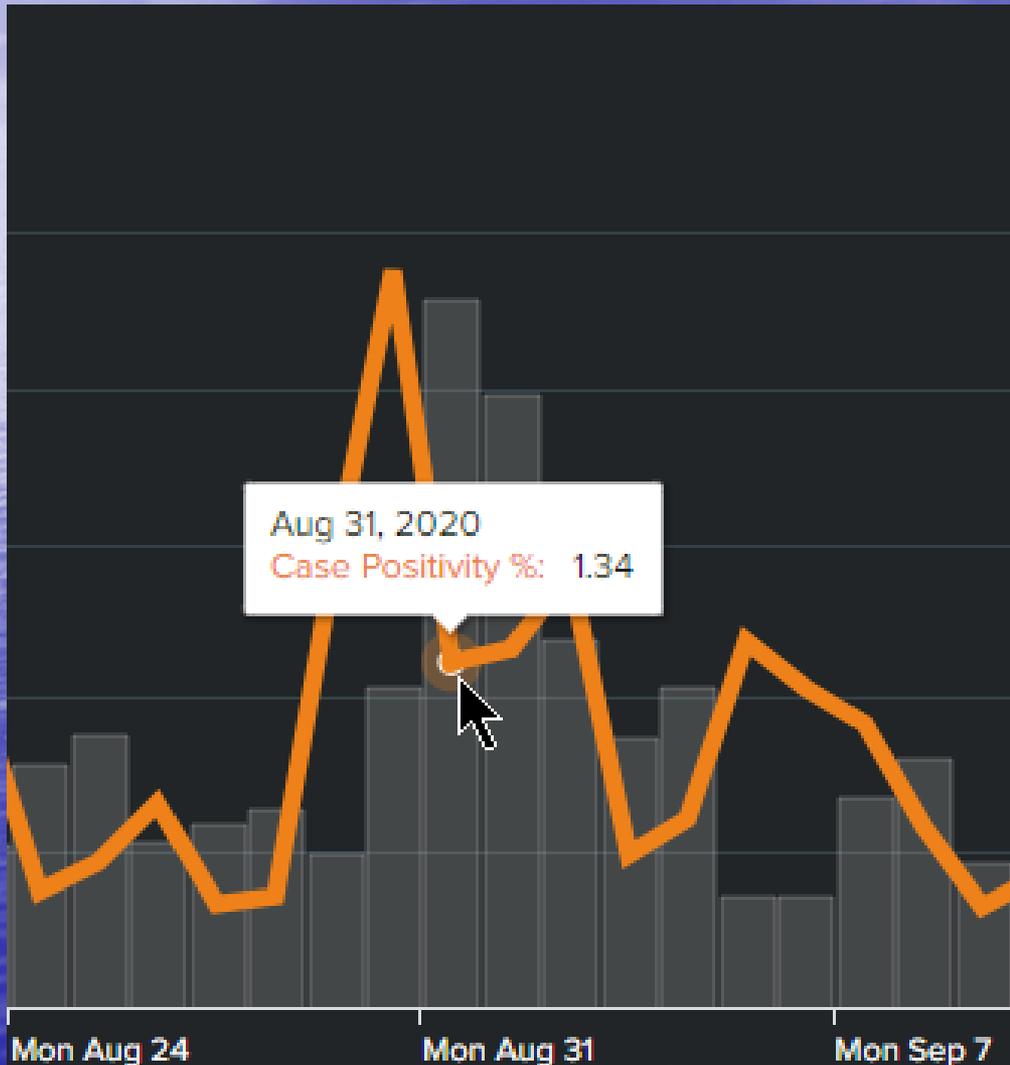
We calculate positivity rates by taking the number of unique, new cases for a given day divided by the number of total tests performed on that day.

Positivity Rates

CASE POSITIVITY RATE

We calculate positivity rates by taking the number of unique, new cases for a given day divided by the number of total tests performed on that day.

Effects of calculation



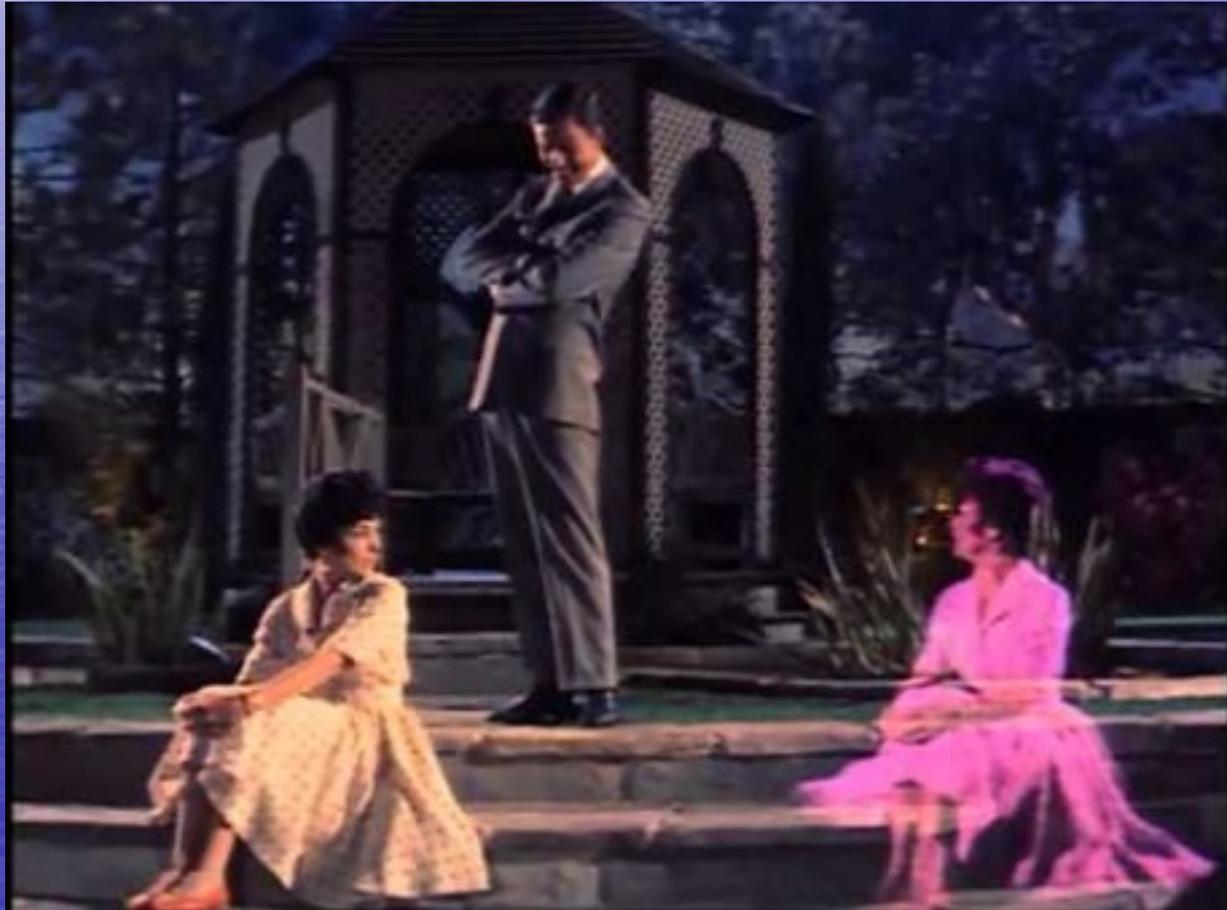
Positivity Rates

BREAKING

Monday's coronavirus updates: 10 hospitalized, 2 preschoolers among 17 new cases in Vermilion County; Seven-day rates remain low on campus (0.4%), in Champaign County (0.5%)

14 hrs ago

Looking up?



College Covid Tracker

The New York Times

Tracking Covid at U.S. Colleges and Universities

By The New York Times Updated Sept. 25, 2020

130,000+

Cases

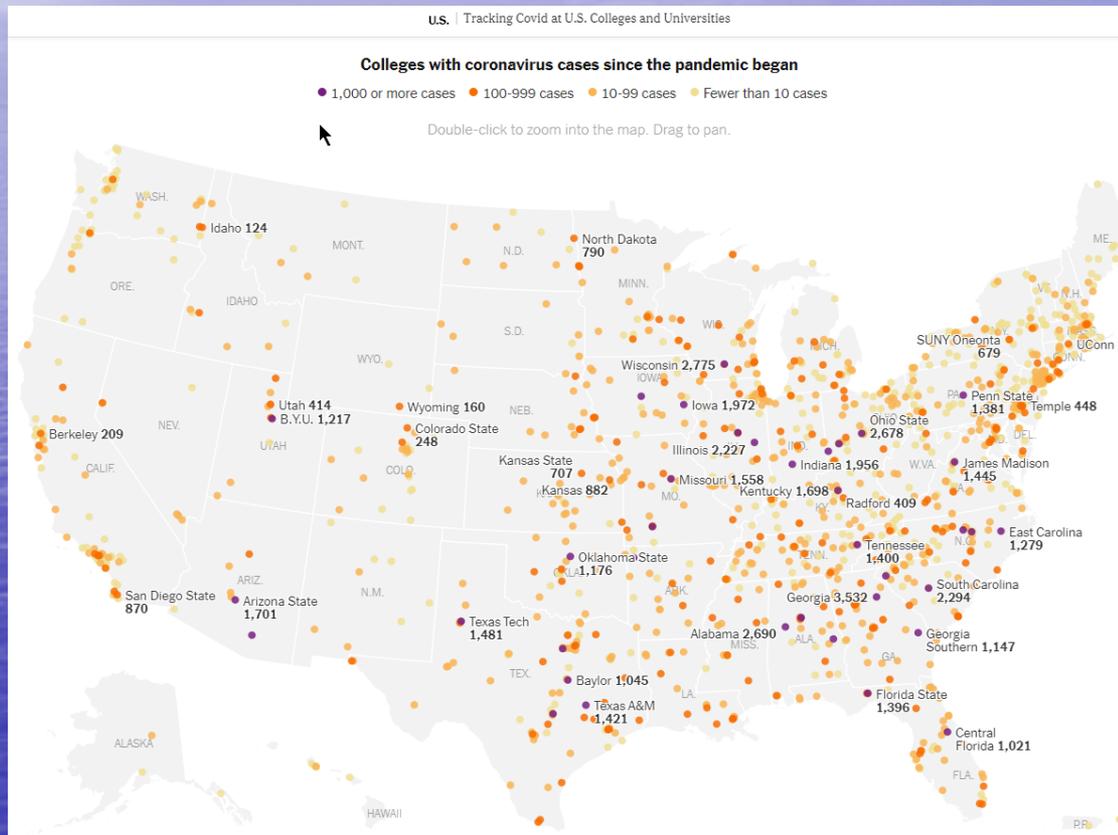
1,300+

Colleges

The New York Times is tracking coronavirus cases on campuses through a rolling survey. This page will be updated periodically and was last updated Sept. 25.

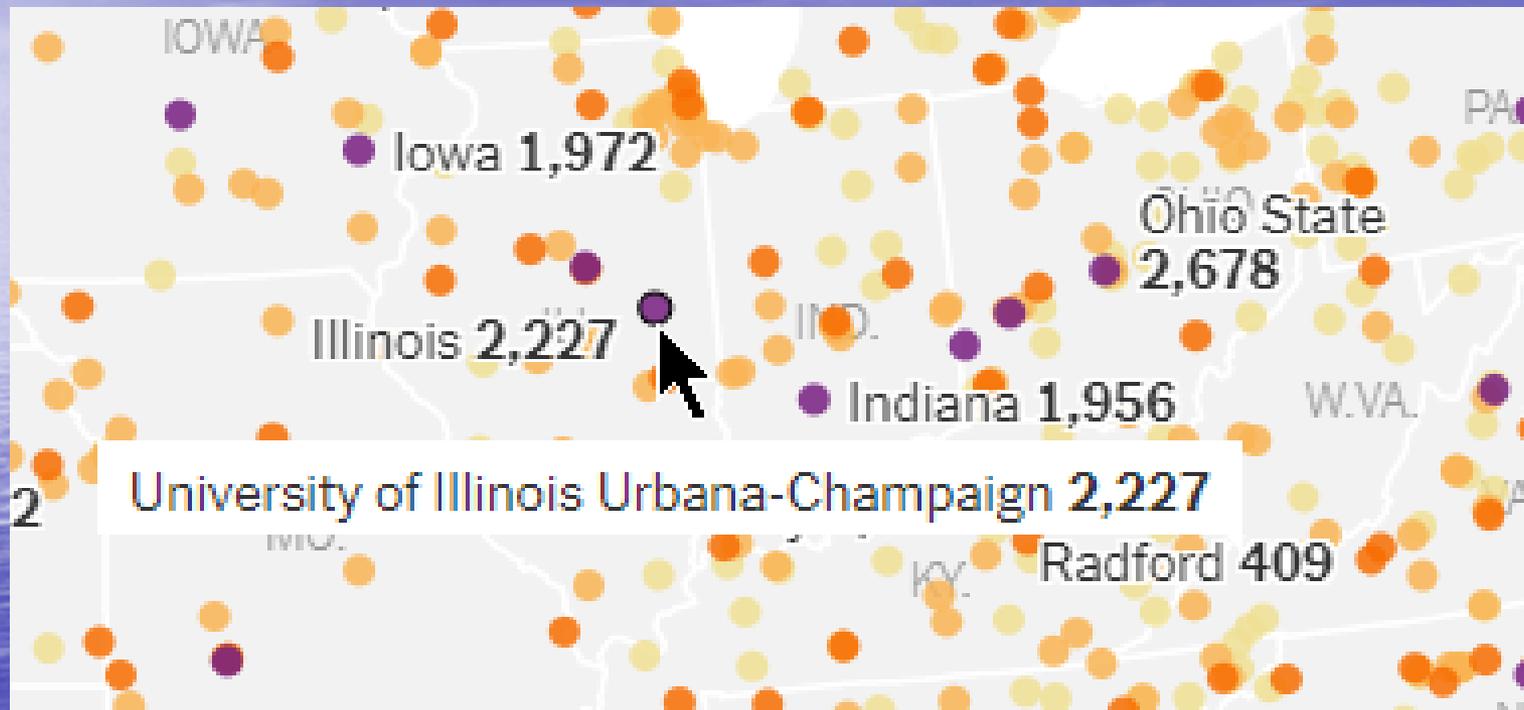
<https://www.nytimes.com/interactive/2020/us/covid-college-cases-tracker.html>

College Covid Tracker



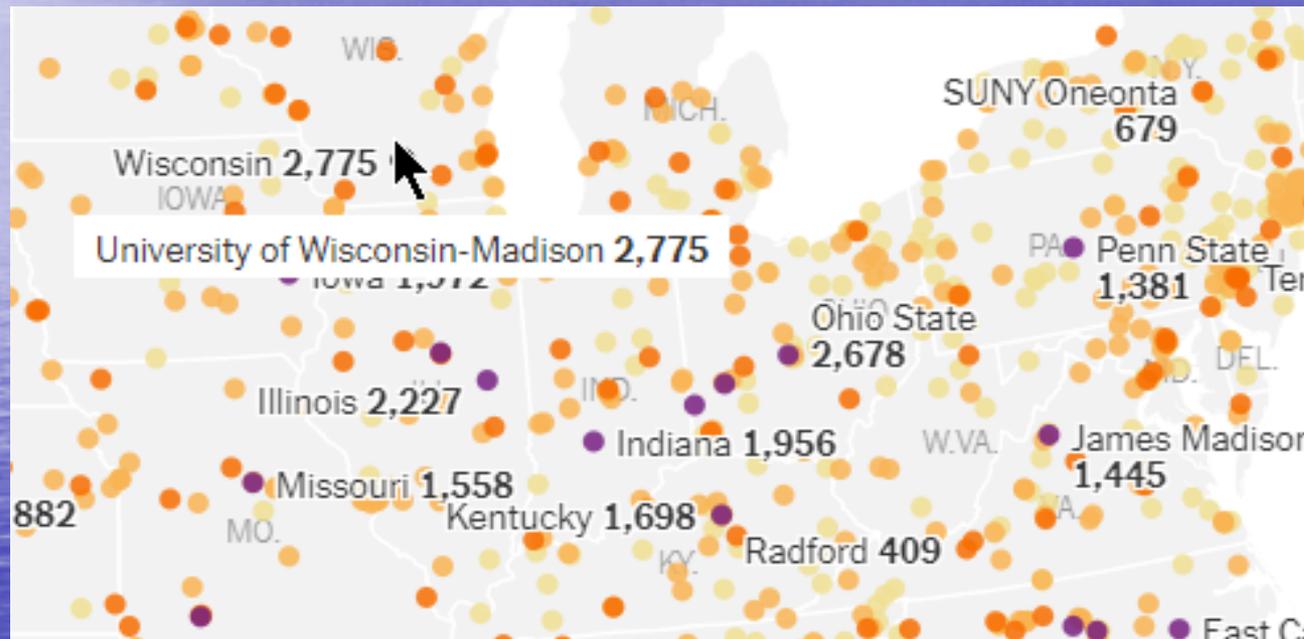
<https://www.nytimes.com/interactive/2020/us/covid-college-cases-tracker.html>

College Covid Tracker



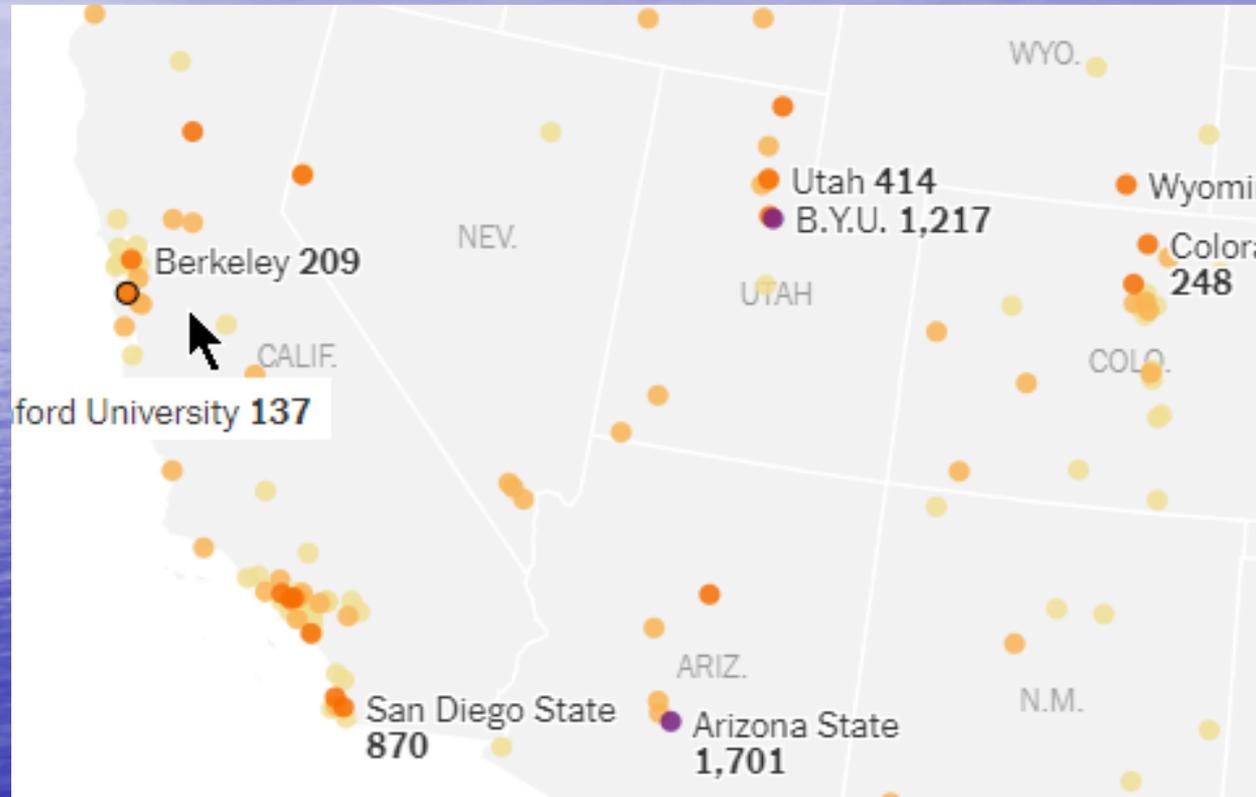
<https://www.nytimes.com/interactive/2020/us/covid-college-cases-tracker.html>

College Covid Tracker



<https://www.nytimes.com/interactive/2020/us/covid-college-cases-tracker.html>

College Covid Tracker



<https://www.nytimes.com/interactive/2020/us/covid-college-cases-tracker.html>

College Covid Tracker

U.S. | Tracking Covid at U.S. Colleges and Universities

Search for a school

The table includes more than 1,600 colleges and lists case totals where available. A few schools report only positive test results, which can include multiple tests for the same person. Others were not clear about whether they counted positive test results or unique cases.

CLICK STATE TO SEE LIST OF SCHOOLS	CASES
+ Alabama	7,481 cases at 26 schools
+ Alaska	49 cases at 3 schools
+ Arizona	4,118 cases at 7 schools
+ Arkansas	2,487 cases at 19 schools
+ California	3,311 cases at 63 schools
+ Colorado	1,450 cases at 24 schools
+ Connecticut	689 cases at 17 schools
+ Delaware	304 cases at 6 schools
+ Florida	5,801 cases at 43 schools
+ Georgia	8,733 cases at 35 schools
+ Hawaii	26 cases at 5 schools
+ Idaho	403 cases at 9 schools
+ Illinois	5,558 cases at 48 schools
+ Indiana	5,201 cases at 30 schools
+ Iowa	3,836 cases at 21 schools

<https://www.nytimes.com/interactive/2020/us/covid-college-cases-tracker.html>

College Covid Tracker

A University Had a Great Coronavirus Plan, but Students Partied On

An unexpected upswing in positive tests at the University of Illinois at Urbana-Champaign showed how even the most comprehensive approaches to limiting the virus's spread can break down.



<https://www.nytimes.com/2020/09/10/health/university-illinois-covid.html>

College Covid Tracker



CU-CitizenAccess

Public Health Housing Justice Education Public Funds Apps, Maps and Visualization Freedom of Information Guides

CU-COVID19

Champaign-Urbana emergency orders fall short of researchers' recommendations

By Samantha Boyle/For CU-CitizenAccess August 23, 2020 [Edit This Post](#)

<https://www.cu-citizenaccess.org/2020/08/23/champaign-urbana-emergency-orders-fall-short-of-researchers-recommendations/>

College Covid Tracker

The university reported 1,754 new cases from Aug. 15 when students started coming back to campus, through Sept. 8, although a team of researchers working directly for the university administration had projected only 500 to 700 cases by Thanksgiving.

<https://www.cu-citizenaccess.org/2020/09/11/university-of-illinois-covid-19-cases-surge-past-expert-predictions/>

College Covid Tracker

- Sept. 25 – 2,227 cases
- Last recent full week = 245 cases (35 average)
- 20 a day for 50 days = 1,000 (more cases)
- 35 a day for 50 days = 1,750 (more cases)
- Nov. 21 – Fall Break = ?

Indiana University

HEALTHCARE & PHARMACEUTICALS SEPTEMBER 3, 2020 / 12:57 PM / UPDATED 25 DAYS AGO

Indiana University sees 'alarming' spike in COVID-19 at frat, sorority houses

By Maria Caspani, Dan Whitcomb

4 MIN READ



(Reuters) - Indiana University at Bloomington on Thursday urged students living in fraternity and sorority houses to move out, citing an “alarming” rate of positive COVID-19 tests that marked the latest outbreak in the U.S. Midwest and at a college campus.

<https://www.reuters.com/article/us-health-coronavirus-usa-idUSKBN25U2SI>

Indiana University

At IU Bloomington the week of September 13:

The positivity rate among the 809 test results from communal living (Greek houses) was 3.3% (14.6% the week prior).

The positivity rate among the 6,379 test results from residence halls was 2.2% (2.4% the week prior).

The positivity rate among the 181 test results from Greek-affiliated students who don't live in their organization's house was 5% (5.5% the week prior).

The positivity rate of the 1,960 test results from all other off-campus students was 1.8% (2.9% the week prior).

<https://fall2020.iu.edu/dashboards/>

Indiana University

'Where's your mask?': Indiana University

At Indiana University in Bloomington, more than 40 fraternity, sorority and communal living houses have had to suspend organizational activity because of positive COVID-19 tests and most of the Greek chapter houses were ordered to quarantine.

Officials asked privately owned and operated Greek houses to close for the semester, but the governing organizations resisted.

<https://www.usatoday.com/in-depth/news/education/2020/09/08/covid-cases-college-parties-labor-day-weekend-fall-2020/5710934002/>

4:09 p.m. Eastern, 9/28/2020

U. of Iowa Fields Over 450 Complaints of Covid-19 Safety Violations

The University of Iowa has received more than 450 complaints regarding violations of its Covid-19 student-safety protocols, *The Gazette* [reports](#). The news follows a weekend in which the Iowa City police reported several parties that appeared to involve fraternities and Iowa students, according to the newspaper. The 452 new reports of safety violations — made through an online form set up by the university — come on top of 256 that had been received by the institution as of September 11. —*Andy Thomason*

4:00 p.m. Eastern, 9/28/2020

All On-Campus Students at Cal State-Long Beach Face 2-Week Quarantine

All 328 students studying on campus at California State University at Long Beach are under a two-week quarantine as of this weekend, *The Orange County Register* [reports](#). The move followed news that five students who had gathered off campus had tested positive for Covid-19. In-person instruction has also been suspended for two weeks. All Cal State campuses are operating at limited in-person capacity this semester, with only a small fraction of students living and studying on campus. —*Andy Thomason*

Illinois university quarantines entire student body due to coronavirus outbreak

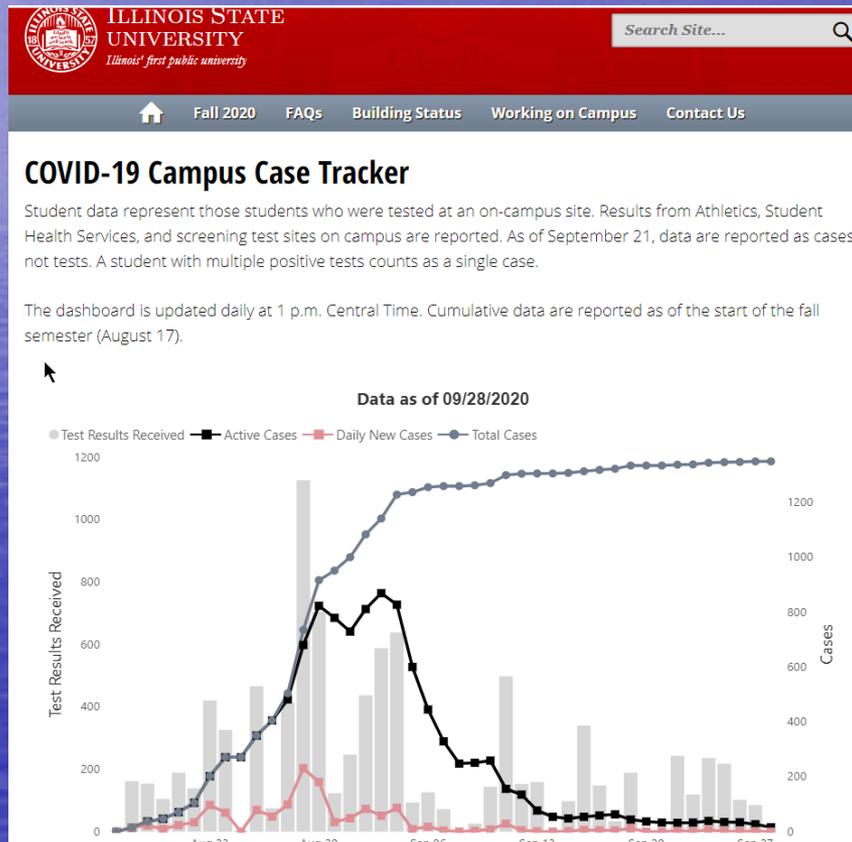
SEPTEMBER 9, 2020 / 7:34 AM / CBS/AP



Peoria, Illinois — Bradley University in central Illinois is requiring its entire student body to quarantine for two weeks because of clusters of COVID-19 on campus and is reverting to remote learning, officials announced Tuesday.

<https://www.cbsnews.com/news/bradley-university-quarantines-entire-student-body-coronavirus-outbreak-peoria-illinois/>

Illinois State Tracker



<https://coronavirus.illinoisstate.edu/dashboard/>

Herd Immunity

CORONAVIRUS

Sweden beating coronavirus with herd immunity, expert claims



A packed street in Stockholm at the weekend. Britain has 69 cases per 100,000 people compared to just 28 for every 100,000 in Sweden which did not implement a stringent lockdown

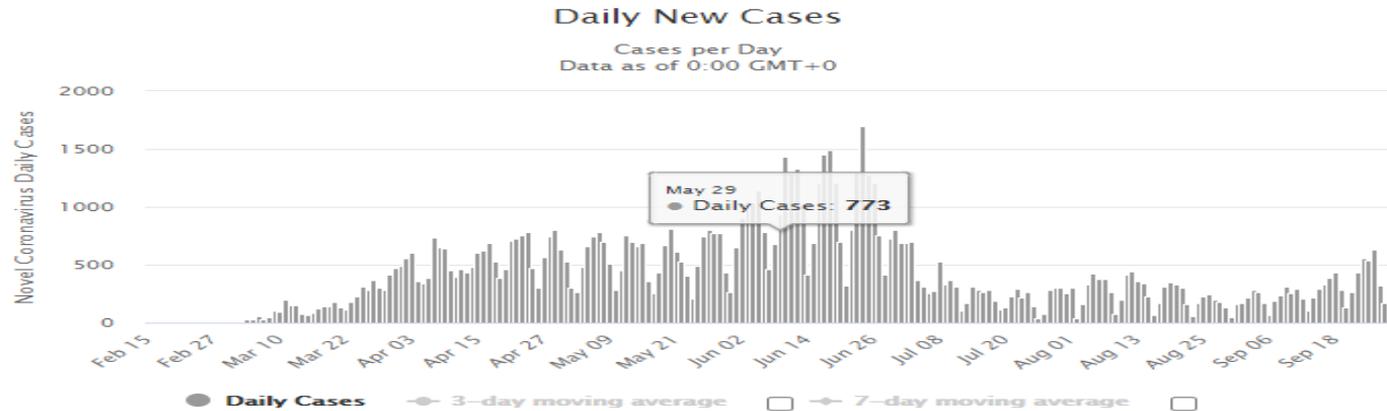
JONATHAN NACKSTRAND/AFP/GETTY IMAGES

Evidence is mounting that Sweden has beaten the coronavirus epidemic with herd immunity rather than lockdowns, according to a renowned expert on the spread of disease.

<https://www.thetimes.co.uk/article/sweden-beating-coronavirus-with-herd-immunity-expert-claims-pmmww8b7k>

Herd Immunity

Daily New Cases in Sweden



Total Coronavirus Deaths in Sweden



<https://www.worldometers.info/coronavirus/country/sweden/>

Herd Immunity

The New York Times

Vilified Early Over Lax Virus Strategy, Sweden Seems to Have Scourge Controlled

After having weathered high death rates when it resisted a lockdown in the spring, Sweden now has one of Europe's lowest rates of daily new cases. Whether that is an aberration remains to be seen.

<https://www.nytimes.com/2020/09/29/world/europe/sweden-coronavirus-strategy.html>

Herd Immunity

Has Sweden achieved herd immunity?

Sweden's authorities never said achieving herd immunity was their goal, but they did argue that by keeping more of society open, Swedes would be more likely to develop a resistance to Covid-19.

Five months into Europe's pandemic and only 6% of the population here is known to have antibodies, according to Swedish Public Health Agency research.

However, Anders Tegnell believes the true figure is "definitely a lot higher", as immunity "has proven to be surprisingly difficult to measure".

<https://www.bbc.com/news/world-europe-53498133>

Herd Immunity

Coronavirus outbreak

Herd immunity: will the UK's coronavirus strategy work?

Ministers look to have given up on containment in favour of a novel approach some experts are wary of

● **Coronavirus: latest updates**

Sarah Boseley

Fri 13 Mar 2020 14.23 EDT



5,981



▲ Coronavirus: Johnson warns 'many more families are going to lose loved ones' - video

Herd immunity is a phrase normally used when large numbers of children have been vaccinated against a disease like measles, reducing the chances that others will get it. As a tactic in fighting a pandemic for which there is no vaccine, it is novel - and some say alarming.

It relies on people getting the disease - in this case Covid-19 - and becoming immune as a result. Generally it is thought that those who recover will be immune, at least for now, so they won't get it twice.

<https://www.theguardian.com/world/2020/mar/13/herd-immunity-will-the-uks-coronavirus-strategy-work>

Herd Immunity



<https://www.youtube.com/watch?v=sUVk0JQXQwY>

Herd Immunity

Trump says the UK's coronavirus plan for 'herd immunity' would have been 'catastrophic' and caused 'a lot of death'

Thomas Colson Apr 1, 2020, 7:16 AM



Donald Trump and Boris Johnson Getty

- The UK's original plan to deal with the coronavirus by achieving "herd immunity" within the population, would have been "catastrophic" and caused "a lot of death," President Donald Trump has said.



PRESIDENTIAL
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TONIGHT 8PM ET

MSNBC

<https://www.theguardian.com/world/2020/mar/13/herd-immunity-will-the-uks-coronavirus-strategy-work>

Herd Immunity

New Trump pandemic adviser pushes controversial 'herd immunity' strategy, worrying public health officials



Scott Atlas, neuroradiologist and fellow at Stanford's conservative Hoover Institution, made controversial statements about lockdowns and school reopenings. (Jhaan Elker/The Washington Post)

By **Yasmeen Abutaleb** and **Josh Dawsey**

August 31, 2020 at 2:56 p.m. CDT

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https://www.washingtonpost.com/politics/trump-coronavirus-scott-atlas-herd-immunity/2020/08/30/925e68fe-e93b-11ea-970a-64c73a1c2392_story.html

Herd Immunity

Estimates for the share of a population that would need to be infected have ranged from 20 percent to 70 percent. Soumya Swaminathan, the World Health Organization's chief scientist, said that given the transmissibility of the novel coronavirus, it is likely that about 65 to 70 percent of a population would need to become infected to achieve herd immunity.

In the United States, with a population of 328 million, reaching a 65 percent threshold for herd immunity may require 2.13 million deaths, assuming the virus has a 1 percent fatality rate, according to an analysis by The Post.

https://www.washingtonpost.com/politics/trump-coronavirus-scott-atlas-herd-immunity/2020/08/30/925e68fe-e93b-11ea-970a-64c73a1c2392_story.html

Herd Immunity



<https://youtu.be/40SellHfhgs>

Herd Immunity

Cases and mortality by country

COUNTRY	CONFIRMED	DEATHS	CASE-FATALITY	DEATHS/100K POP.
San Marino	727	42	5.8%	124.32
Peru	805,302	32,262	4.0%	100.85
Belgium	115,353	9,987	8.7%	87.44
Bolivia	134,223	7,900	5.9%	69.58
Andorra	1,966	53	2.7%	68.83
Brazil	4,745,464	142,058	3.0%	67.82
Chile	459,671	12,698	2.8%	67.80
Spain	748,266	31,411	4.2%	67.23
Ecuador	134,965	11,280	8.4%	66.03
United Kingdom	441,573	42,090	9.5%	63.30
US	7,148,045	205,072	2.9%	62.68
Mexico	733,717	76,603	10.4%	60.70
Italy	311,364	35,851	11.5%	59.33
Sweden	90,923	5,880	6.5%	57.74
Panama	111,277	2,348	2.1%	56.21
Colombia	818,203	25,641	3.1%	51.64
France	577,980	31,744	5.5%	47.39

<https://coronavirus.jhu.edu/data/mortality>

Herd Immunity

Even if infection with the COVID-19 virus creates long-lasting immunity, a large number of people would have to become infected to reach the herd immunity threshold. Experts estimate that in the U.S., 70% of the population — more than 200 million people — would have to recover from COVID-19 to halt the epidemic. If many people become sick with COVID-19 at once, the health care system could quickly become overwhelmed. This amount of infection could also lead to serious complications and millions of deaths, especially among older people and those who have chronic conditions.

<https://www.mayoclinic.org/diseases-conditions/coronavirus/in-depth/herd-immunity-and-coronavirus/art-20486808>

CDC Back Tracks

CDC Backtracks On '3 Month Window Of Immunity' Claim



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Unlim
Unlim

Stream, text
out for \$39*

Check it out

TRENDING

1. Buy-now, pa
booming
2. 'Ripped it in
personal fin
3. 7 bank disco
that make li
4. 'It's time to c

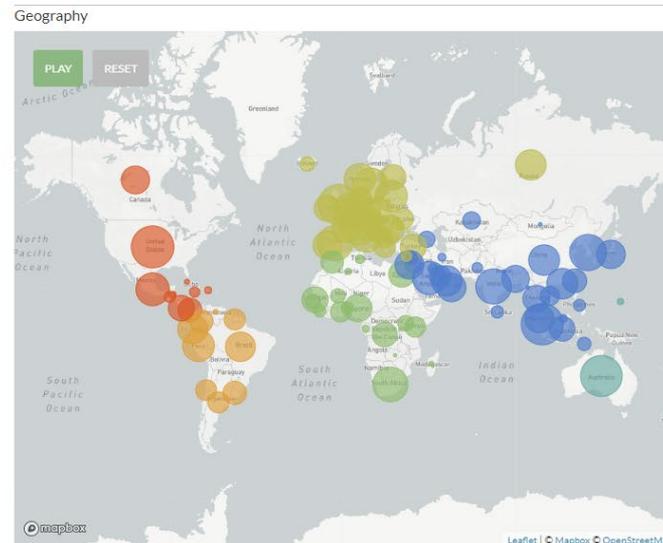
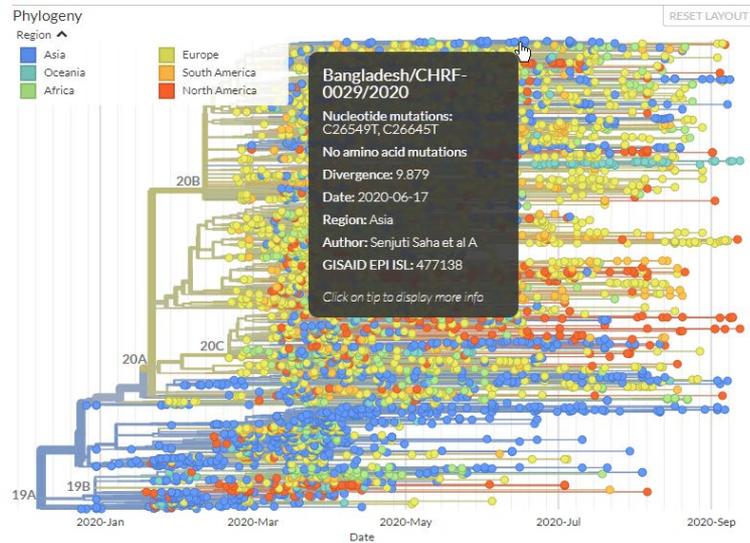
<https://money.yahoo.com/cdc-says-covid-19-survivors-132320747.html>

Nextstrain.org

Genomic epidemiology of novel coronavirus - Global subsampling

Maintained by the Nextstrain team. Enabled by data from **GISAID**

Showing 4678 of 4678 genomes sampled between Dec 2019 and Sep 2020.



<https://nextstrain.org/ncov/global?c=region>