STATE REPORT
11.08.2020
Issue 21

ILLINOIS

SUMMARY

- Illinois is seeing a continued rapid rise in cases and test positivity over the last five weeks that will continue to lead to increasing hospitalizations and deaths; additional mitigation strategies are needed. The rise in test positivity, hospitalizations, and deaths confirm rapidly increasing disease activity. Illinois is in the red zone for cases, indicating 101 or more new cases per 100,000 population, with the 8th highest rate in the country. Illinois is in the red zone for test positivity, indicating a rate at or above 10.1%, with the 16th highest rate in the country.
- Illinois has seen an increase in new cases and an increase in test positivity. Hospitalizations continue to increase rapidly, reaching a level last seen in mid-May.
- High viral transmission is widely distributed throughout Illinois. The following three counties had the highest number of new cases over the last 3 weeks: 1. Cook County, 2. DuPage County, and 3. Will County. These counties represent 50.4% of new cases in Illinois.
- 96% of all counties in Illinois have moderate or high levels of community transmission (yellow, orange, or red zones), with 74% having high levels of community transmission (red zone). All 11 state health districts will be under increased mitigation measures due to worsening epidemic trends.
- Institutions of higher education (IHE): UIUC reported a further increase to a test positivity of 0.6% in the last week; this followed unsanctioned Halloween parties as well as rapidly increasing disease activity in the surrounding community.
- During the week of Oct 26 - Nov 1, 21% of nursing homes had at least one new resident COVID-19 case, 44% had at least one new staff COVID-19 case, and 7% had at least one new resident COVID-19 death.
- Illinois had 498 new cases per 100,000 population, compared to a national average of 209 per 100,000.
- Current staff deployed from the federal government as assets to support the state response are: 68 to support operations activities from FEMA; 5 to support operations activities from ASPR; 1 to support epidemiology activities from CDC; and 7 to support operations activities from USCG.
- Between Oct 31 - Nov 6, on average, 414 patients with confirmed COVID-19 and 548 patients with suspected COVID-19 were reported as newly admitted each day to hospitals in Illinois. An average of 95% of hospitals reported either new confirmed or new suspected COVID patients each day during this period.

RECOMMENDATIONS

- We share the strong concern of Illinois leaders that the current situation is worsening dramatically and that additional measures are needed to limit further cases and avoid increases in hospitalizations and deaths. The Governor's continued personal guidance on these measures is critical and is commended.
- Illinois has had considerable success in limiting morbidity and mortality using the adaptive adjustment of mitigation measures in response to changes in incidence. Additional measures should include a new asymptomatic surveillance approach to limit silent community spread and augmented communications to reinforce messaging around social gatherings. Maximizing control of transmission will allow for greater resumption of business activity in addition to limiting hospitalizations and deaths.
- The silent community spread that precedes and continues throughout surges can only be identified and interrupted through proactive and increased testing and surveillance, as universities have done with frequent (weekly) required testing.
- This approach can be adapted to communities/counties in the orange or red zone with proactive weekly testing of groups from the community (teachers, community college students, county workers, staff in crowded or congregate settings, all hospital personnel, large private sector employers). These cases should be triangulated with cases among long-term care facility (LTCF) staff to identify geographic areas with high numbers of asymptomatic and pre-symptomatic cases, which should then trigger widespread proactive testing and isolation of positive cases among 18-40 year-old community members. These efforts to identify and reduce asymptomatic transmission should run concurrently with testing of symptomatic persons and contact tracing of cases.
- Expanded, strategic use of point-of-care antigen tests with immediate results will be critical to expanding this model into the community; these tests should be used among all individuals independent of symptoms in orange and red counties. Requiring use only in symptomatic individuals is preventing adequate testing and control of the pandemic.
- Antigen tests perform well in the highly infectious window and will be effective in identification of asymptomatic and pre-symptomatic infectious cases.
    - Antigen tests do not perform well after 8-10 days post infection when nucleic acid cycle times are greater than 30.
    - All antigen results must be reported with both the number of positive results and total tests conducted; positives must be reported as COVID cases.
- Proactive testing must be part of mitigation efforts inclusive of mask wearing, physical distancing, hand hygiene, and immediate isolation, contact tracing, and quarantine. All red and orange counties must begin proactive testing of 18-40 year-old community members.
- Mitigation measures to limit transmission in personal gatherings need continued strengthening. This needs communication from state and community leaders of a clear and shared message asking Illinoisans to wear masks, physically distance, and avoid gatherings in both public and private spaces, especially indoors. Hospital personnel are frequently trusted in the community and have been successfully recruited to amplify these messages locally.
- Ensure all K-12 schools are following CDC guidelines, including mask wearing, and utilize the Abbot BinaxNOW tests to routinely test all teachers as another indicator of the degree of community spread to further increase mitigation efforts.
- Ensure university students continue their mitigation behaviors to ensure no further outbreaks on or off campus. Encourage IHEs to test their student body before they leave campus for Thanksgiving break to mitigate exposure to family and community.
- Specific, detailed guidance on community mitigation measures can be found on the CDC website.

The purpose of this report is to develop a shared understanding of the current status of the pandemic at the national, regional, state and local levels. We recognize that data at the state level may differ from that available at the federal level. Our objective is to use consistent data sources and methods that allow for comparisons to be made across localities. We appreciate your continued support in identifying data discrepancies and improving data completeness and sharing across systems. We look forward to your feedback.

COVID-19

ILLINOIS

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	STATE	STATE, % CHANGE FROM PREVIOUS WEEK	FEMA/HHS REGION	UNITED STATES
NEW COVID-19 CASES (RATE PER 100,000)	63,139 (498)	+65%	207,351 (395)	687,656 (209)
VIRAL (RT-PCR) LAB TEST POSITIVITY RATE	11.4%	+2.4%*	11.4%	8.4%
TOTAL VIRAL (RT-PCR) LAB TESTS (TESTS PER 100,000)	469,373** (3,704**)	+5%**	1,857,759** (3,536**)	7,362,570** (2,243**)
COVID-19 DEATHS (RATE PER 100,000)	369 (2.9)	+26%	1,493 (2.8)	6,542 (2.0)
SNFs WITH ≥1 NEW RESIDENT COVID-19 CASE	21%	+6%*	19%	15%
SNFs WITH ≥1 NEW STAFF COVID-19 CASE	44%	+8%*	39%	29%
SNFs WITH ≥1 NEW RESIDENT COVID-19 DEATH	7%	+1%*	7%	5%

* Indicates absolute change in percentage points.
** Due to delayed reporting, this figure may underestimate total diagnostic tests and week-on-week changes in diagnostic tests.
DATA SOURCES – Additional data details available under METHODS
Note: Some dates may have incomplete data due to delays in reporting. Data may be backfilled over time, resulting in week-to-week changes.
Cases and Deaths: State values are calculated by aggregating county-level data from USAFacts; therefore, the values may not match those reported directly by the state. Data is through 11/6/2020; previous week is 10/24 - 10/30. USAFacts began reporting probable cases on 11/6.
Testing: CELR (COVID-19 Electronic Lab Reporting) state health department-reported data through 11/4/2020. Previous week is 10/22 - 10/28.
SNFs: Skilled nursing facilities. National Healthcare Safety Network. Data are reported separately for cases among residents and staff. Data is through 11/1/2020, previous week is 10/19-10/25. Facilities that are undergoing reporting quality review are not included in the table, but may be included in other NHSN analyses.

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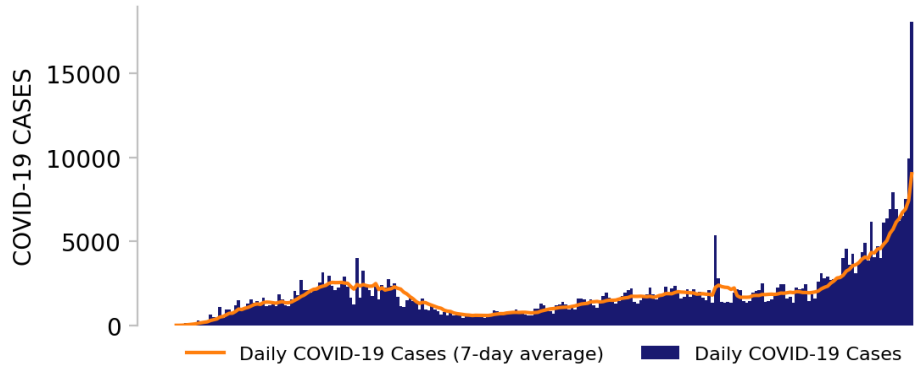
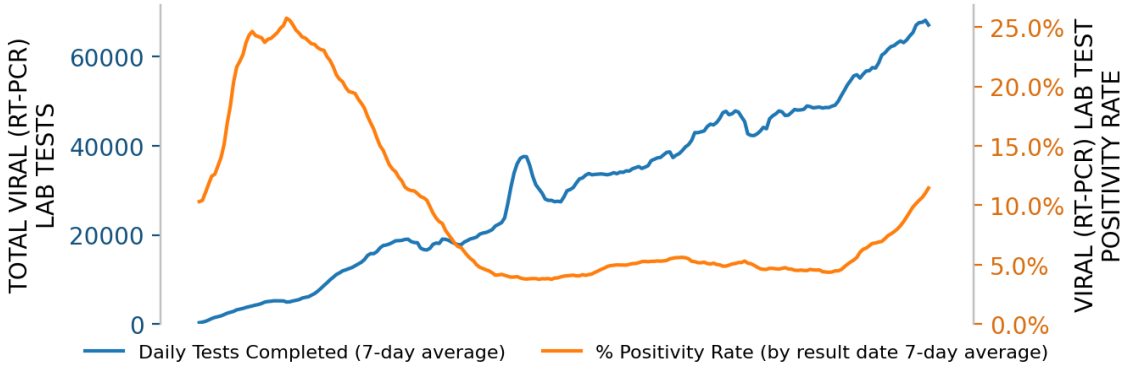
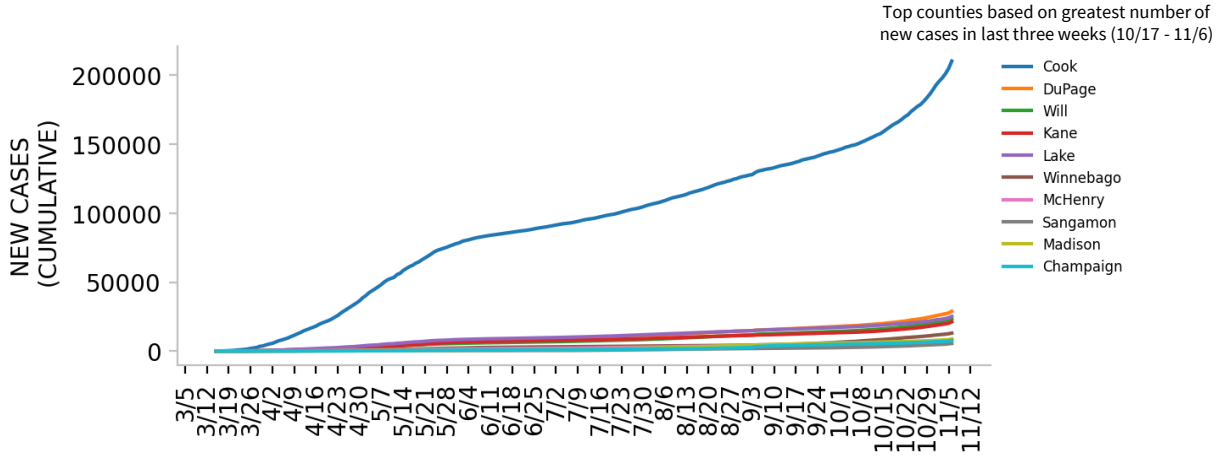
NEW CASES



TESTING



TOP COUNTIES



DATA SOURCES – Additional data details available under METHODS

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Cases: State values are calculated by aggregating county-level data from USAFacts; therefore, the values may not match those reported directly by the state. Data is through 11/6/2020. USAFacts began reporting probable cases on 11/6.

Testing: CELR (COVID-19 Electronic Lab Reporting) state health department-reported data through 11/4/2020.

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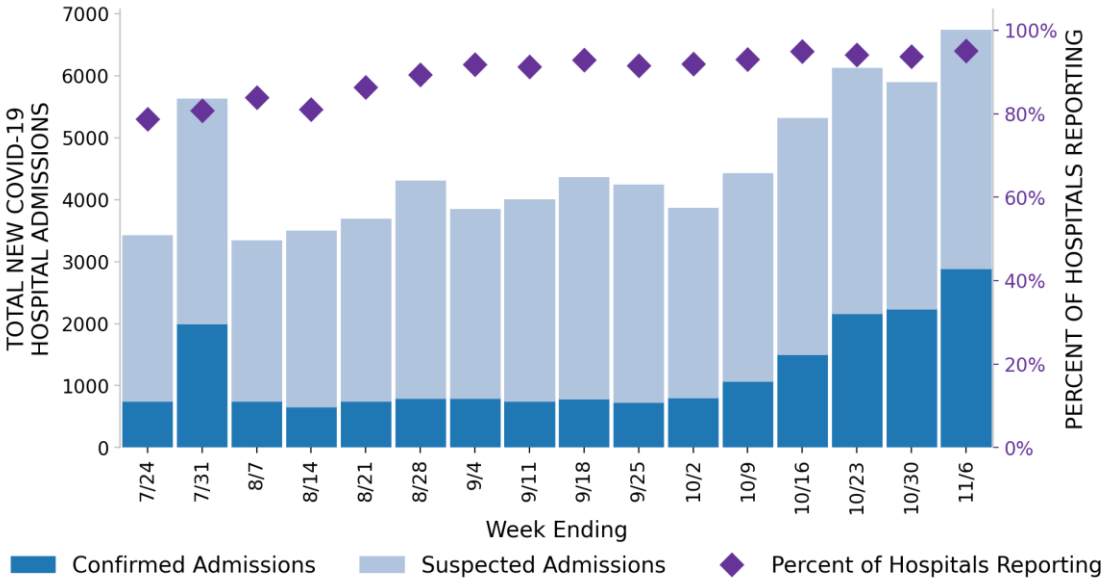
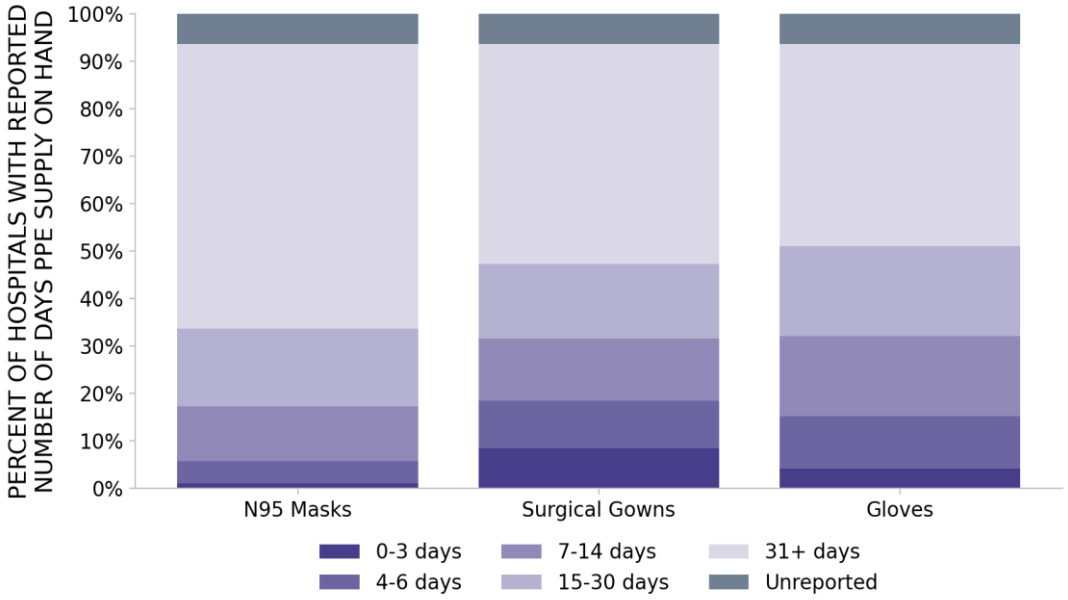
190 hospitals are expected to report in Illinois

HOSPITAL ADMISSIONS



HOSPITAL PPE SUPPLIES



DATA SOURCES – Additional data details available under METHODS

Hospitalizations: Unified hospitalization dataset in HHS Protect. These data exclude psychiatric, rehabilitation, and religious non-medical hospitals. In addition, hospitals explicitly identified by states/regions as those from which we should not expect reports were excluded from the percent reporting figure.

PPE: Unified hospitalization dataset in HHS Protect. These data exclude psychiatric, rehabilitation, and religious non-medical hospitals. In addition, hospitals explicitly identified by states/regions as those from which we should not expect reports were excluded from the percent reporting figure. Values presented show the latest reports from hospitals in the week ending 11/4/2020.

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COVID-19 COUNTY AND METRO ALERTS*

Top 12 shown in table (full lists below)

	METRO AREA (CBSA)		COUNTIES	
LOCALITIES IN RED ZONE	27 ▲ (+7)	Chicago-Naperville-Elgin St. Louis Rockford Davenport-Moline-Rock Island Springfield Decatur Ottawa Kankakee Carbondale-Marion Quincy Sterling Charleston-Mattoon	75 ▲ (+26)	Cook DuPage Will Kane Lake Winnebago McHenry Sangamon Madison Macon Rock Island Kankakee
LOCALITIES IN ORANGE ZONE	2 ▼ (-5)	Peoria Mount Vernon	9 ▼ (-13)	St. Clair Peoria Henry Woodford Jefferson Jersey Moultrie Richland Stark
LOCALITIES IN YELLOW ZONE	2 ▼ (-2)	Bloomington Centralia	14 ▼ (-5)	McLean Marion Edgar Montgomery Wayne Ford Piatt Union Crawford Lawrence White Marshall

Change from previous week's alerts: ▲ Increase ■ Stable ▼ Decrease

All Red CBSAs: Chicago-Naperville-Elgin, St. Louis, Rockford, Davenport-Moline-Rock Island, Springfield, Decatur, Ottawa, Kankakee, Carbondale-Marion, Quincy, Sterling, Charleston-Mattoon, Danville, Freeport, Rochelle, Galesburg, Effingham, Dixon, Jacksonville, Pontiac, Macomb, Taylorville, Lincoln, Fort Madison-Keokuk, Paducah, Burlington, Cape Girardeau

All Red Counties: Cook, DuPage, Will, Kane, Lake, Winnebago, McHenry, Sangamon, Madison, Macon, Rock Island, Kankakee, LaSalle, Kendall, DeKalb, Tazewell, Adams, Whiteside, Boone, Vermilion, Stephenson, Ogle, Coles, Knox, Williamson, Clinton, Grundy, Effingham, Lee, Douglas, Livingston, Franklin, Fulton, Morgan, Randolph, Jackson, Bureau, Pike, Monroe, McDonough, Iroquois, Christian, Macoupin, Fayette, Carroll, Shelby, Logan, Jo Daviess, Saline, Warren, Clark, Mercer, Hancock, Greene, Bond, Perry, De Witt, Jasper, Mason, Johnson, Cumberland, Clay, Washington, Wabash, Hamilton, Brown, Massac, Henderson, Alexander, Pulaski, Calhoun, Putnam, Schuyler, Edwards, Gallatin

All Yellow Counties: McLean, Marion, Edgar, Montgomery, Wayne, Ford, Piatt, Union, Crawford, Lawrence, White, Marshall, Menard, Scott

*** Localities with fewer than 10 cases last week have been excluded from these alerts.**

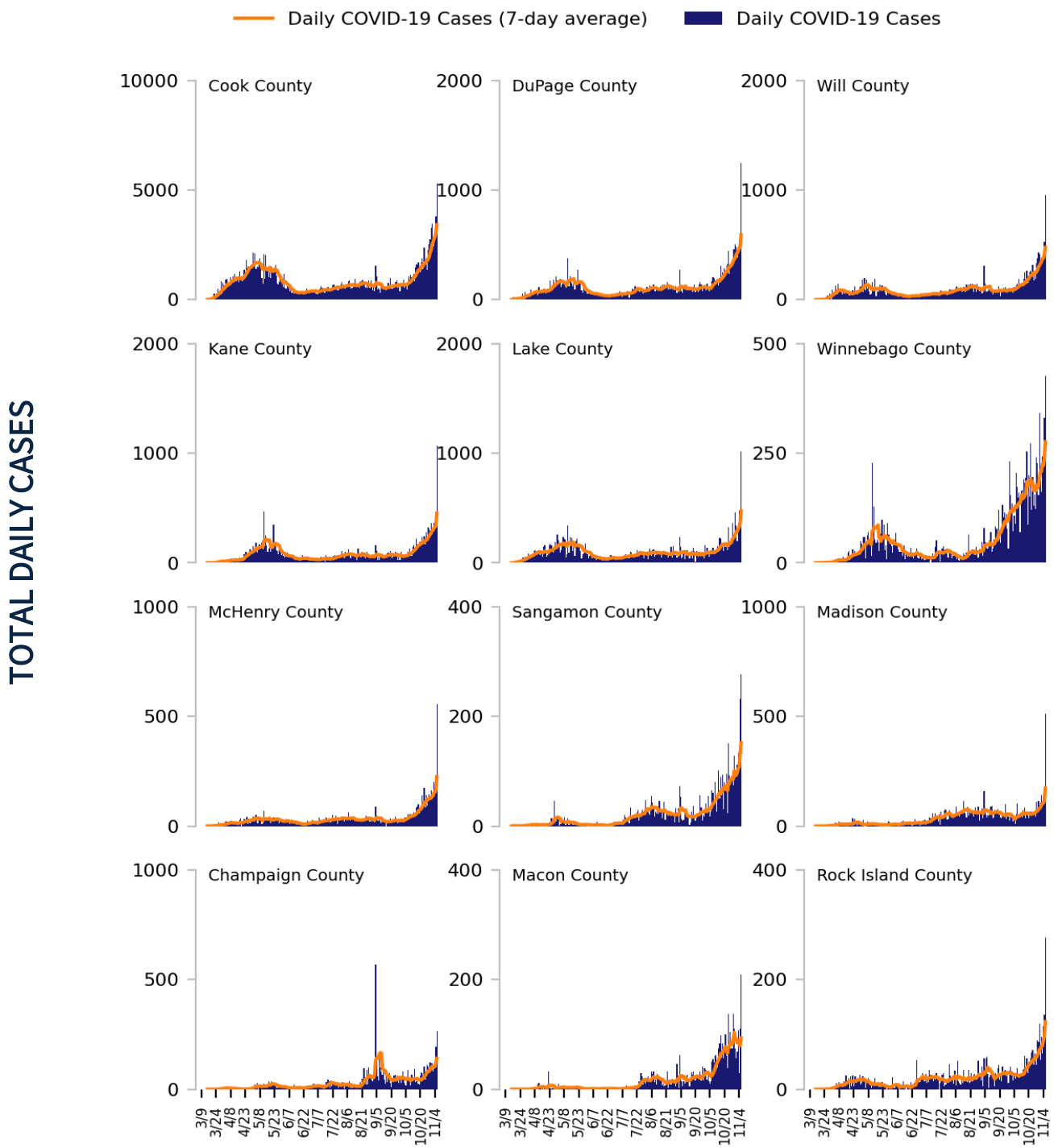
Note: Lists of red, orange, and yellow localities are sorted by the number of new cases in the last 3 weeks, from highest to lowest. Some dates may have incomplete data due to delays in reporting. Data may be backfilled over time, resulting in week-to-week changes.

DATA SOURCES – Additional data details available under METHODS

Cases and Deaths: State values are calculated by aggregating county-level data from USAFacts; therefore, the values may not match those reported directly by the state. Data is through 11/6/2020. USAFacts began reporting probable cases on 11/6.

Testing: CELR (COVID-19 Electronic Lab Reporting) state health department-reported data through 11/4/2020.

Top 12 counties based on number of new cases in the last 3 weeks



DATA SOURCES – Additional data details available under METHODS

Cases: State values are calculated by aggregating county-level data from USAFacts; therefore, the values may not match those reported directly by the state. Data is through 11/6/2020. Last 3 weeks is 10/17 - 11/6. USAFacts began reporting probable cases on 11/6.

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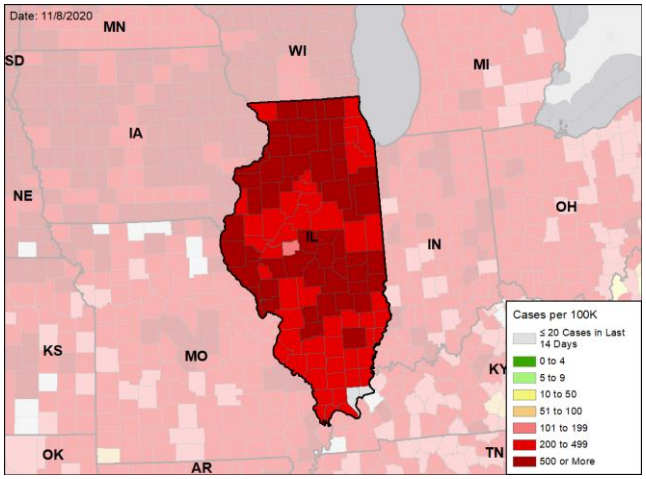
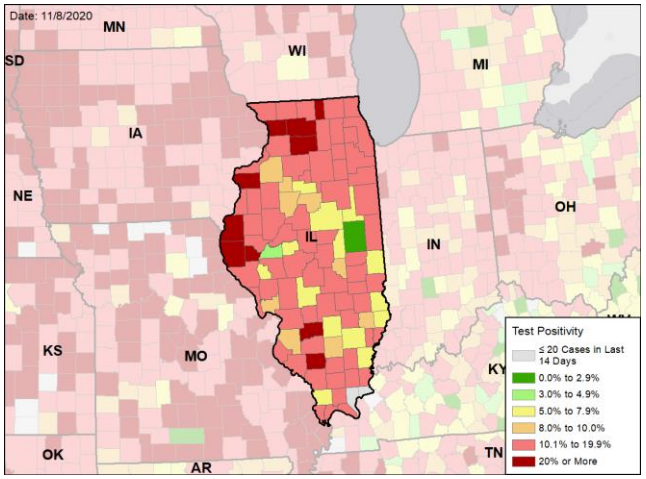
CASE RATES AND VIRAL LAB TEST POSITIVITY

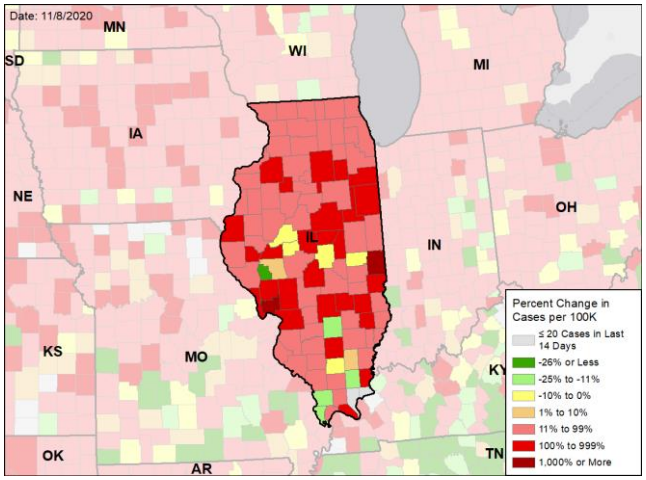
NEW CASES PER 100,000



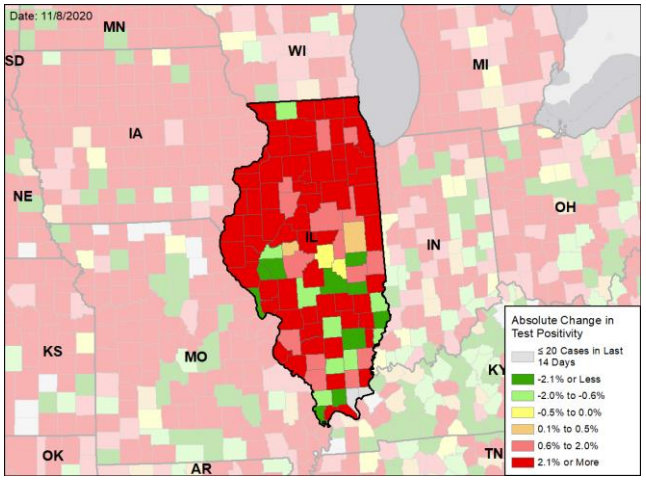
VIRAL (RT-PCR) LABORATORY TEST POSITIVITY



WEEKLY CHANGE IN NEW CASES PER 100,000



WEEKLY CHANGE IN VIRAL (RT-PCR) LABORATORY TEST POSITIVITY



DATA SOURCES – Additional data details available under METHODS

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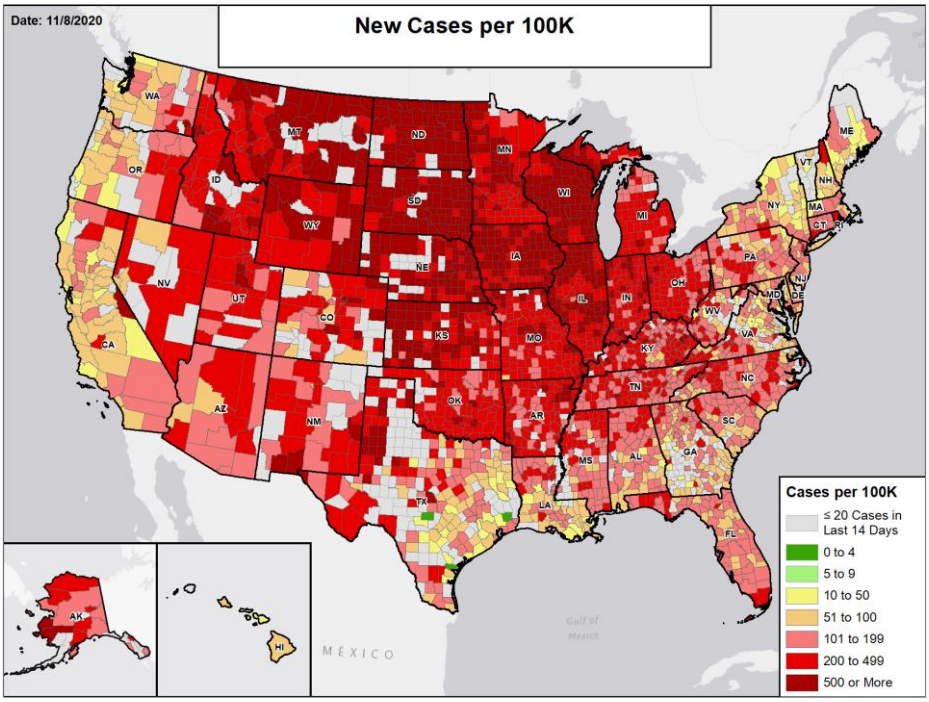
Cases: State values are calculated by aggregating county-level data from USAFacts; therefore, the values may not match those reported directly by the state. Data is through 11/6/2020. Previous week is 10/24 - 10/30. USAFacts began reporting probable cases on 11/6.

Testing: CELR (COVID-19 Electronic Lab Reporting) state health department-reported data through 11/4/2020. Previous week is 10/22 - 10/28.

National Picture

NEW CASES PER 100,000

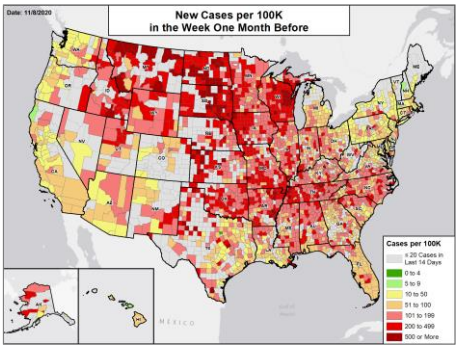


NATIONAL RANKING OF NEW CASES PER 100,000

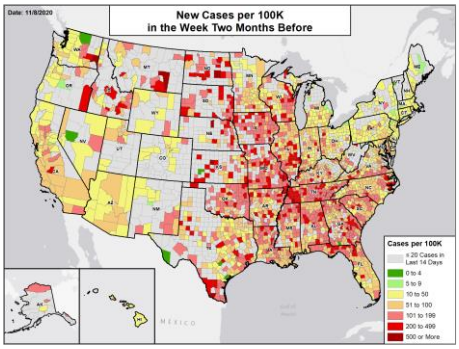
National Rank	State	National Rank	State
1	ND	27	MS
2	SD	28	TX
3	WI	29	WV
4	IA	30	NC
5	WY	31	FL
6	NE	32	AZ
7	MT	33	AL
8	IL	34	NJ
9	UT	35	PA
10	MN	36	MA
11	KS	37	SC
12	ID	38	DE
13	AK	39	MD
14	IN	40	GA
15	CO	41	VA
16	MO	42	WA
17	RI	43	OR
18	NM	44	LA
19	MI	45	DC
20	AR	46	CA
21	KY	47	NY
22	OK	48	NH
23	OH	49	ME
24	NV	50	HI
25	TN	51	VT
26	CT		

NEW CASES PER 100,000 IN THE WEEK:

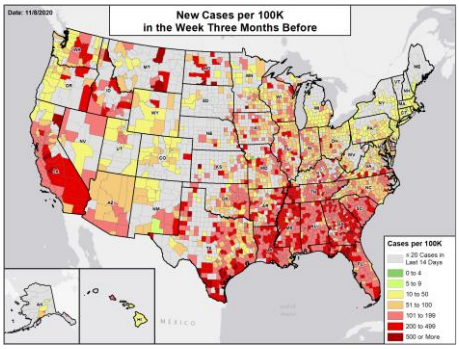
ONE MONTH BEFORE



TWO MONTHS BEFORE



THREE MONTHS BEFORE



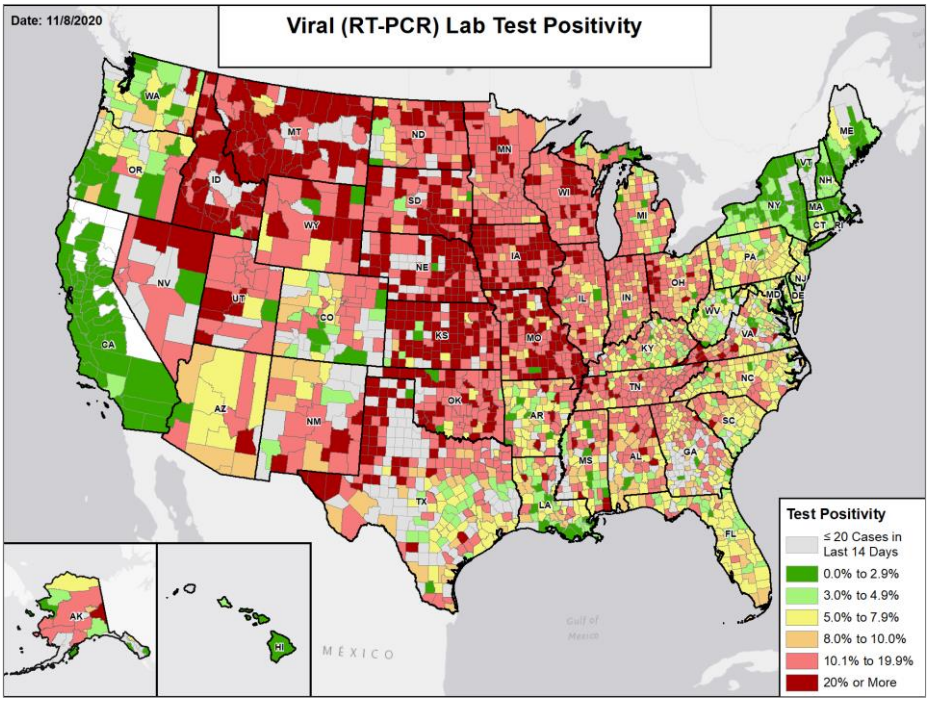
DATA SOURCES

Note: Some dates may have incomplete data due to delays in reporting. Data may be backfilled over time, resulting in week-to-week changes.

Cases: County-level data from USAFacts through 11/6/2020. The week one month before is 10/3 - 10/9; the week two months before is 9/5 - 9/11; the week three months before is 8/8 - 8/14.

National Picture

VIRAL (RT-PCR) LAB TEST POSITIVITY



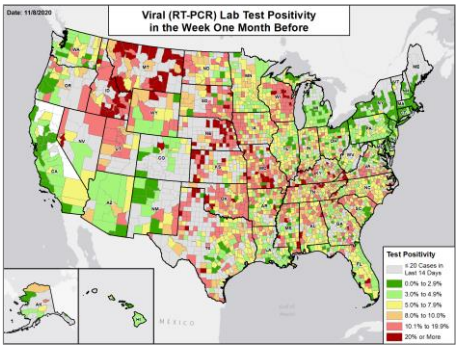
NATIONAL RANKING OF TEST POSITIVITY

National Rank	State
1	MT
2	ID
3	SD
4	IA
5	KS
6	NE
7	ND
8	MO
9	UT
10	WI
11	OK
12	MN
13	NV
14	NM
15	IN
16	IL
17	TN
18	TX
19	CO
20	MS
21	AL
22	MI
23	WY
24	KY
25	AK
26	SC

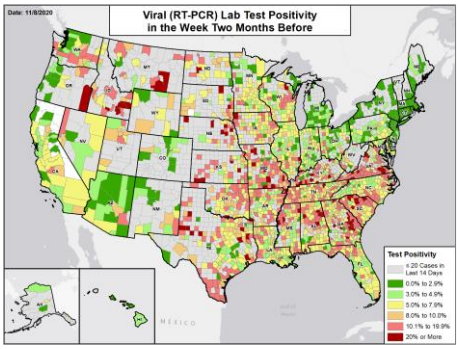
National Rank	State
27	AR
28	VA
29	AZ
30	GA
31	OH
32	NC
33	PA
34	FL
35	OR
36	NJ
37	CT
38	WV
39	MD
40	WA
41	LA
42	DE
43	RI
44	NH
45	CA
46	HI
47	ME
48	NY
49	DC
50	MA
51	VT

VIRAL (RT-PCR) LAB TEST POSITIVITY IN THE WEEK:

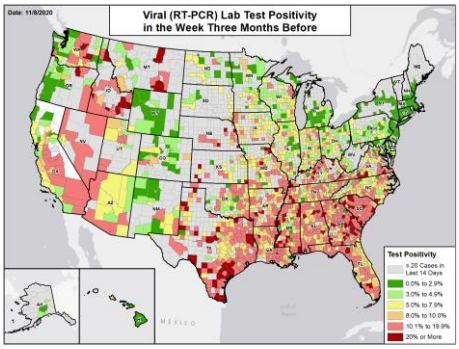
ONE MONTH BEFORE



TWO MONTHS BEFORE



THREE MONTHS BEFORE



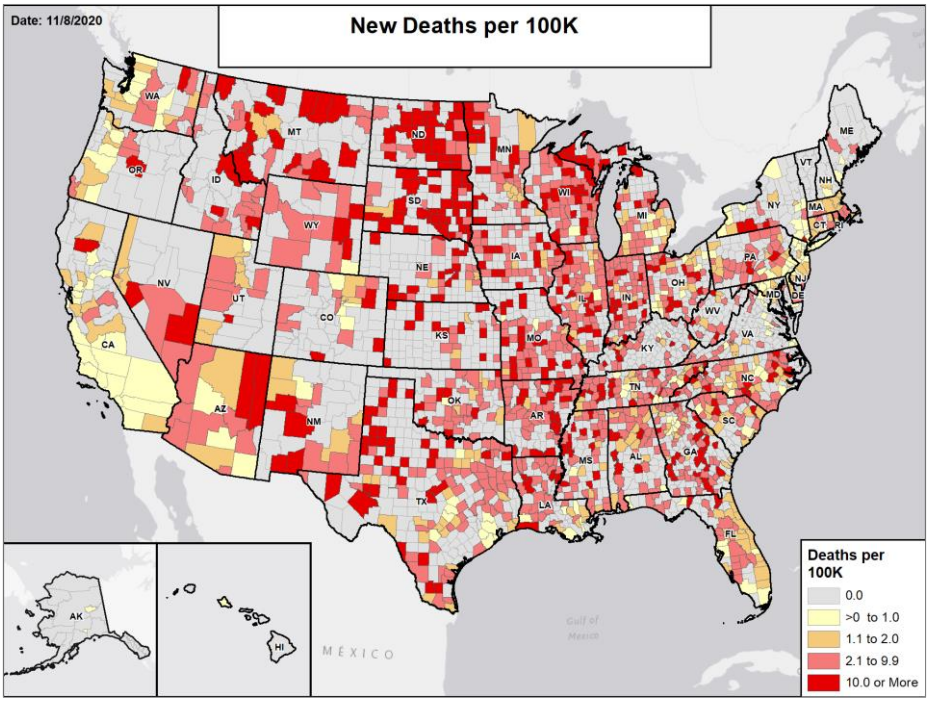
DATA SOURCES

Note: Some dates may have incomplete data due to delays in reporting. Data may be backfilled over time, resulting in week-to-week changes.

Testing: Combination of CELR (COVID-19 Electronic Lab Reporting) state health department-reported data and HHS Protect laboratory data (provided directly to Federal Government from public health labs, hospital labs, and commercial labs) through 11/4/2020. Tthe week one month before is 10/1 - 10/7; the week two months before is 9/3 - 9/9; the week three months before is 8/6 - 8/12.

National Picture

NEW DEATHS PER 100,000



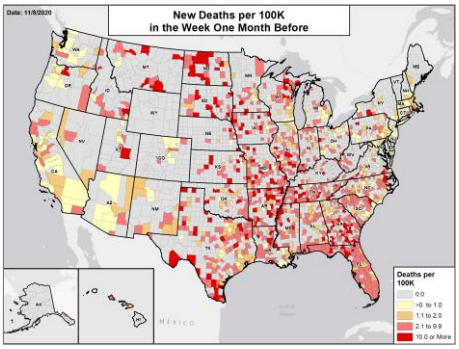
NATIONAL RANKING OF NEW DEATHS PER 100,000

National Rank	State
1	ND
2	SD
3	AR
4	MT
5	WI
6	KS
7	IN
8	NM
9	IA
10	MO
11	WY
12	MS
13	ID
14	TN
15	IL
16	NE
17	MN
18	OK
19	AZ
20	AL
21	NC
22	TX
23	WV
24	NV
25	MI
26	RI

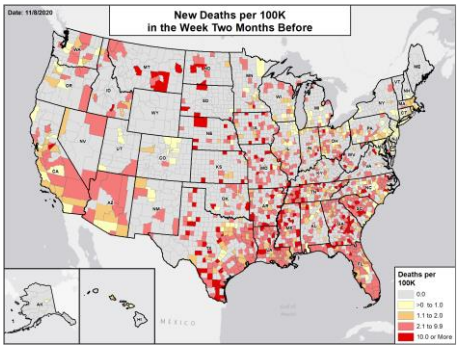
National Rank	State
27	SC
28	GA
29	MA
30	LA
31	OH
32	CO
33	NY
34	CT
35	KY
36	UT
37	PA
38	FL
39	DE
40	OR
41	WA
42	MD
43	NJ
44	DC
45	CA
46	VA
47	NH
48	AK
49	ME
50	HI
51	VT

NEW DEATHS PER 100,000 IN THE WEEK:

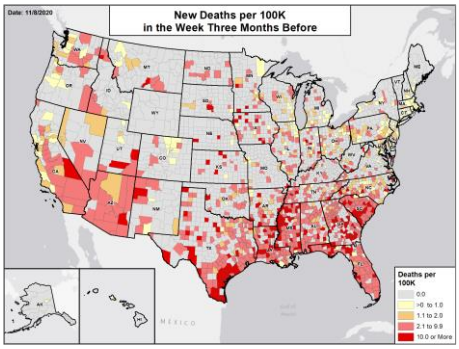
ONE MONTH BEFORE



TWO MONTHS BEFORE



THREE MONTHS BEFORE



DATA SOURCES

Note: Some dates may have incomplete data due to delays in reporting. Data may be backfilled over time, resulting in week-to-week changes.

Deaths: County-level data from USAFacts through 11/6/2020. The week one month before is 10/3 - 10/9; the week two months before is 9/5 - 9/11; the week three months before is 8/8 - 8/14.

METHODS

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COLOR THRESHOLDS: Results for each indicator should be taken in context of the findings for related indicators (e.g., changes in case incidence and testing volume). Values are rounded before color classification.

Metric	Dark Green	Light Green	Yellow	Orange	Red
New cases per 100,000 population per week	≤4	5 – 9	10 – 50	51 – 100	≥101
Percent change in new cases per 100,000 population	≤-26%	-25% – -11%	-10% – 0%	1% – 10%	≥11%
Diagnostic test result positivity rate	≤2.9%	3.0% – 4.9%	5.0% – 7.9%	8.0% – 10.0%	≥10.1%
Change in test positivity	≤-2.1%	-2.0% – -0.6%	-0.5% – 0.0%	0.1% – 0.5%	≥0.6%
Total diagnostic tests resulted per 100,000 population per week	≥2001	1001 – 2000	750 – 1000	500 – 749	≤499
Percent change in tests per 100,000 population	≥26%	11% – 25%	1% – 10%	-10% – 0%	≤-11%
COVID-19 deaths per 100,000 population per week	0.0		0.1 – 1.0	1.1 – 2.0	≥2.1
Percent change in deaths per 100,000 population	≤-26%	-25% – -11%	-10% – 0%	1% – 10%	≥11%
Skilled Nursing Facilities with at least one resident COVID-19 case, death	0%		1% – 5%		≥6%
Change in SNFs with at least one resident COVID-19 case, death	≤-2%		-1% – 1%		≥2%

DATA NOTES

- Some dates may have incomplete data due to delays in reporting. Data may be backfilled over time, resulting in week-to-week changes. It is critical that states provide as up-to-date data as possible.
- **Cases and deaths:** County-level data from USAFacts as of 22:13 EST on 11/08/2020. State values are calculated by aggregating county-level data from USAFacts; therefore, values may not match those reported directly by the state. Data are reviewed on a daily basis against internal and verified external sources and, if needed, adjusted. Last week data are from 10/31 to 11/6; previous week data are from 10/24 to 10/30; the week one month before data are from 10/3 to 10/9.
- **Testing:** The data presented represent viral COVID-19 laboratory diagnostic and screening test (reverse transcription polymerase chain reaction, RT-PCR) results—not individual people—and exclude antibody and antigen tests, unless stated otherwise. CELR (COVID-19 Electronic Lab Reporting) state health department-reported data are used to describe county-level viral COVID-19 laboratory test (RT-PCR) result totals when information is available on patients' county of residence or healthcare providers' practice location. HHS Protect laboratory data (provided directly to Federal Government from public health labs, hospital labs, and commercial labs) are used otherwise. Some states did not report on certain days, which may affect the total number of tests resulted and positivity rate values. Because the data are deidentified, total viral (RT-PCR) laboratory tests are the number of tests performed, not the number of individuals tested. Viral (RT-PCR) laboratory test positivity rate is the number of positive tests divided by the number of tests performed and resulted. Resulted tests are assigned to a timeframe based on this hierarchy of test-related dates: 1. test date; 2. result date; 3. specimen received date; 4. specimen collection date. Resulted tests are assigned to a county based on a hierarchy of test-related locations: 1. patient residency; 2. provider facility location; 3. ordering facility location; 4. performing organization location. States may calculate test positivity other using other methods. Last week data are from 10/29 to 11/4; previous week data are from 10/22 to 10/28; the week one month before data are from 10/1 to 10/7. HHS Protect data is recent as of 11:59 EST on 11/08/2020. Testing data are inclusive of everything received and processed by the CELR system as of 19:00 EST on 11/07/2020.
- **Hospitalizations:** Unified hospitalization dataset in HHS Protect. This figure may differ from state data due to differences in hospital lists and reporting between federal and state systems. These data exclude psychiatric, rehabilitation, and religious non-medical hospitals. In addition, hospitals explicitly identified by states/regions as those from which we should not expect reports were excluded from the percent reporting figure. The data presented represents raw data provided; we are working diligently with state liaisons to improve reporting consistency. Data is recent as of 22:28 EST on 11/08/2020.
- **Hospital PPE:** Unified hospitalization dataset in HHS Protect. This figure may differ from state data due to differences in hospital lists and reporting between federal and state systems. These data exclude psychiatric, rehabilitation, and religious non-medical hospitals. In addition, hospitals explicitly identified by states/regions as those from which we should not expect reports were excluded from the percent reporting figure. Data is recent as of 17:24 EST on 11/07/2020.
- **Skilled Nursing Facilities:** National Healthcare Safety Network (NHSN). Data report resident and staff cases independently. Quality checks are performed on data submitted to the NHSN. Data that fail these quality checks or appear inconsistent with surveillance protocols may be excluded from analyses. Data presented in this report are more recent than data publicly posted by CMS. Last week is 10/26-11/1, previous week is 10/19-10/25. Facilities that are undergoing reporting quality review are not included in the table, but may be included in other NHSN analyses.
- **County and Metro Area Color Categorizations**
  - **Red Zone:** Those core-based statistical areas (CBSAs) and counties that during the last week reported both new cases at or above 101 per 100,000 population, and a lab test positivity result at or above 10.1%.
  - **Orange Zone:** Those CBSAs and counties that during the last week reported both new cases between 51–100 per 100,000 population, and a lab test positivity result between 8.0–10.0%, or one of those two conditions and one condition qualifying as being in the "Red Zone."
  - **Yellow Zone:** Those CBSAs and counties that during the last week reported both new cases between 10–50 per 100,000 population, and a lab test positivity result between 5.0–7.9%, or one of those two conditions and one condition qualifying as being in the "Orange Zone" or "Red Zone."