OKLAHOMA

SUMMARY

- Oklahoma is in the red zone for cases, indicating 101 or more new cases per 100,000 population last week, with the 10th highest rate in the country. Oklahoma is in the red zone for test positivity, indicating a rate at or above 10.1%, with the 5th highest rate in the country.
- Oklahoma has seen a decrease in new cases and a decrease in test positivity over the last week.
- The following three counties had the highest number of new cases over the last 3 weeks: 1. Oklahoma County, 2. Tulsa County, and 3. Cleveland County. These counties represent 36.8% of new cases in Oklahoma.
- 70% of all counties in Oklahoma have moderate or high levels of community transmission (yellow, orange, or red zones), with 47% having high levels of community transmission (red zone).
- During the week of Sep 21 - Sep 27, 11% of nursing homes had at least one new resident COVID-19 case, 26% had at least one new staff COVID-19 case, and 3% had at least one new resident COVID-19 death.
- Oklahoma had 178 new cases per 100,000 population in the last week, compared to a national average of 90 per 100,000.
- Current staff deployed from the federal government as assets to support the state response are: 3 to support operations activities from FEMA.
- Between Sep 26 - Oct 2, on average, 116 patients with confirmed COVID-19 and 69 patients with suspected COVID-19 were reported as newly admitted each day to hospitals in Oklahoma. An average of 90% of hospitals reported either new confirmed or new suspected COVID patients each day during this period; therefore, this may be an underestimate of the actual total number of COVID-related hospitalizations. Underreporting may lead to a lower allocation of critical supplies.

RECOMMENDATIONS

- Community transmission has remained high across the state for the past month, with many preventable deaths.
- Messaging to communities about effectiveness of masks is critical as many outdoor activities will be moving indoors with colder weather approaching. Masks must be worn indoors in all public settings and group gathering sizes should be limited.
- Work with communities to message how masks work and protect individuals from COVID-19. In high transmission zones, limit indoor dining, bar hours, and expand outdoor dining options.
- Increase contact tracing efforts on college campuses, schools, and other locations where people are beginning to congregate again. Conduct community testing in university towns to rapidly identify positives and isolate them. With cases decreasing in university settings, work with students to keep cases down, particularly with the goal to keep transmission low until Thanksgiving.
- Provide increased outreach and services to Native communities that have been identified as hotspots, including Osage and Mayes counties.
- Keep testing at high levels to rapidly identify cases and support isolation.
- Use findings from nursing homes where staff are positive to as sentinel surveillance indicating spread in the community and work on local mitigation efforts.
- Antivirals and antibodies have the most impact when used early in hospital admissions (within 48 hours). Ensure hospitals are effectively administering these medications to prevent morbidity and mortality.
- Abbott BinaxNOW tests should be used in a sentinel surveillance capacity. Sentinel surveillance among specific populations across Oklahoma will help provide specific information to each community regarding local transmission and where mitigation efforts needed to be enhanced.
- Prioritize these populations for routine sentinel surveillance: K-12 teachers; staff working in nursing homes, assisted living, senior living facilities, and other congregate living settings including correctional facilities; and first responders.
- Tribal Nations: Increase testing; continue to expand culturally-specific public health education, developed with community leaders, especially as tribal social events pick back up. Conduct prompt contact tracing on all cases and provide housing and supplies to support immediate quarantine of contacts and isolation of cases.
- Specific, detailed guidance on community mitigation measures can be found on the CDC website.

COVID-19

COVID-19

OKLAHOMA

STATE REPORT | 10.04.2020

	STATE, LAST WEEK	STATE, % CHANGE FROM PREVIOUS WEEK	FEMA/HHS REGION, LAST WEEK	UNITED STATES, LAST WEEK
NEW COVID-19 CASES (RATE PER 100,000)	7,040 (178)	-11%	48,301 (113)	294,477 (90)
VIRAL (RT-PCR) LAB TEST POSITIVITY RATE	11.0%	-0.8%*	6.0%	4.6%
TOTAL VIRAL (RT-PCR) LAB TESTS (TESTS PER 100,000)	27,195** (687)	-16%**	487,416** (1,141)	6,436,385** (1,961)
COVID-19 DEATHS (RATE PER 100,000)	51 (1.3)	-6%	869 (2.0)	4,935 (1.5)
SNFs WITH ≥1 NEW RESIDENT COVID-19 CASE (≥1 NEW STAFF CASE)	11% (26%)	-1%* (-2%*)	13% (23%)	9% (20%)
SNFs WITH ≥1 NEW RESIDENT COVID-19 DEATH	3%	-2%*	4%	3%

MOBILITY ▶
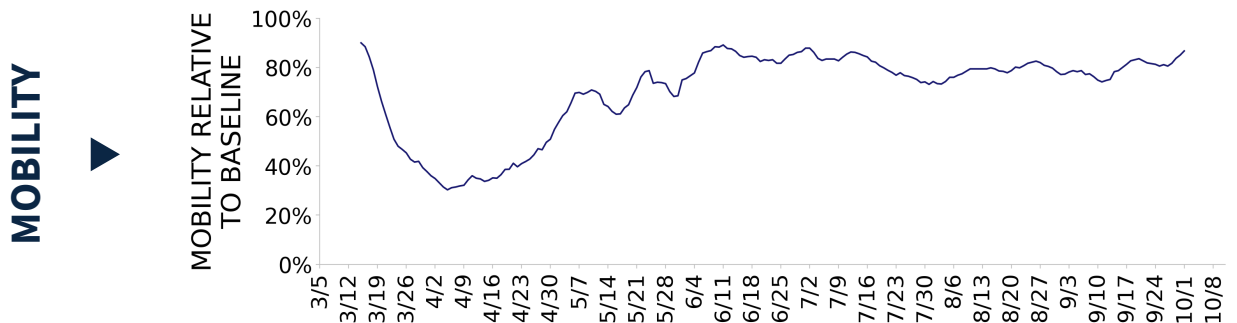
* Indicates absolute change in percentage points.
** Due to delayed reporting, this figure may underestimate total diagnostic tests and week-on-week changes in diagnostic tests.

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 10/2/2020; last week is 9/26 - 10/2, previous week is 9/19 - 9/25.
Testing: CELR (COVID-19 Electronic Lab Reporting) state health department-reported data through 9/30/2020. Last week is 9/24 - 9/30, previous week is 9/17 - 9/23.
Mobility: Descartes Labs. This data depicts the median distance moved across a collection of mobile devices to estimate the level of human mobility within a county. The 100% represents the baseline mobility level prior to the pandemic; lower percent mobility indicates less population movement. Data is anonymized and provided at the county level. Data through 10/1/2020.
SNFs: Skilled nursing facilities. National Healthcare Safety Network. Data are reported separately for cases among residents and staff. Last week is 9/21-9/27, previous week is 9/14-9/20.

OKLAHOMA

STATE REPORT | 10.04.2020

COVID-19 COUNTY AND METRO ALERTS*
Top 12 shown in table (full lists below)

	METRO AREA (CBSA) LAST WEEK		COUNTY LAST WEEK	
LOCALITIES IN RED ZONE	**10**	Tulsa Woodward Stillwater Enid Elk City Muskogee Weatherford Durant Miami Altus	**36**	Tulsa Woodward Canadian Payne Garfield Grady Rogers Beckham Muskogee Osage Le Flore Custer
LOCALITIES IN ORANGE ZONE	**6**	Oklahoma City Shawnee Lawton Fort Smith Duncan Bartlesville	**12**	Oklahoma Cleveland Pottawatomie Comanche Wagoner Stephens Atoka Washington Garvin Washita Noble Nowata
LOCALITIES IN YELLOW ZONE	**5**	Tahlequah McAlester Guymon Ardmore Ada	**6**	Cherokee Pittsburg Texas Pontotoc Marshall Kiowa

All Red Counties: Tulsa, Woodward, Canadian, Payne, Garfield, Grady, Rogers, Beckham, Muskogee, Osage, Le Flore, Custer, Bryan, Craig, Creek, Sequoyah, McClain, Ottawa, Mayes, Caddo, McCurtain, Delaware, Logan, Lincoln, Jackson, Adair, Seminole, Haskell, Kingfisher, Johnston, Choctaw, Love, Alfalfa, Roger Mills, Blaine, Pushmataha

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

OKLAHOMA
STATE REPORT | 10.04.2020

NEW CASES

Daily COVID-19 Cases (7-day average) — Daily COVID-19 Cases

TESTING

Daily Tests Completed (7-day average) — % Positivity Rate (by result date 7-day average)

TOP COUNTIES

Top counties based on greatest number of new cases in last three weeks (9/12 - 10/2)
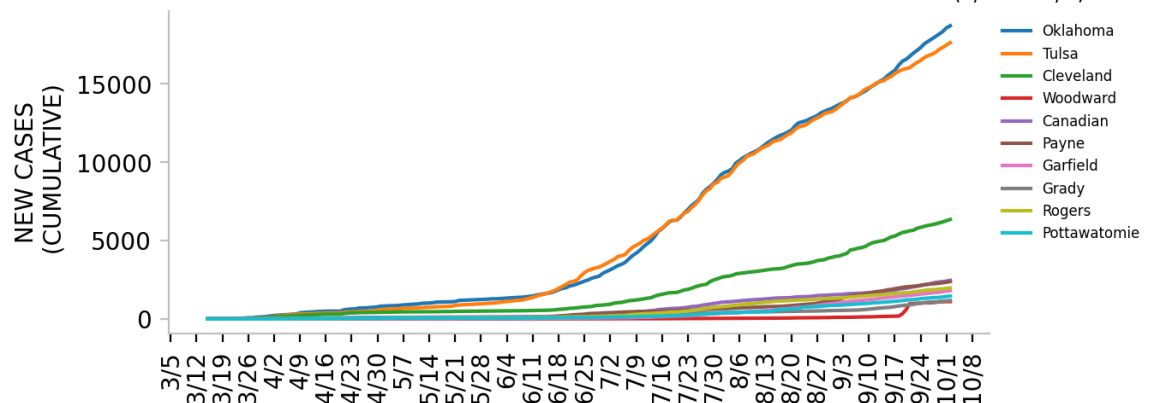
Oklahoma
Tulsa
Cleveland
Woodward
Canadian
Payne
Garfield
Grady
Rogers
Pottawatomie

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: 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 10/2/2020.
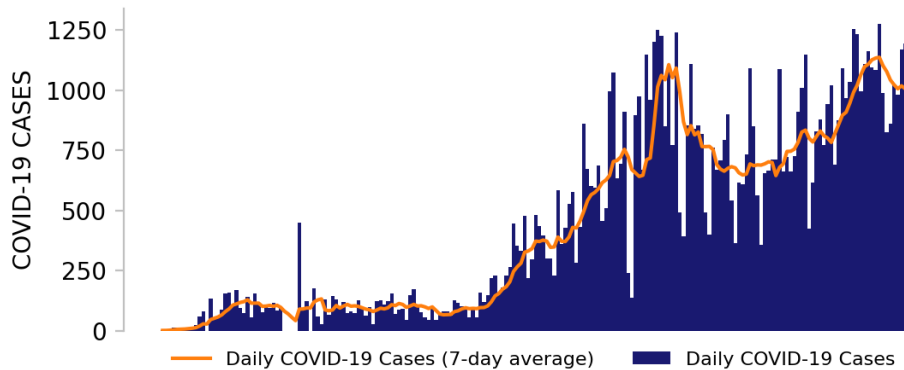**Testing:** HHS Protect laboratory data (provided directly to Federal Government from public health labs, hospital labs, and commercial labs) through 9/30/2020.
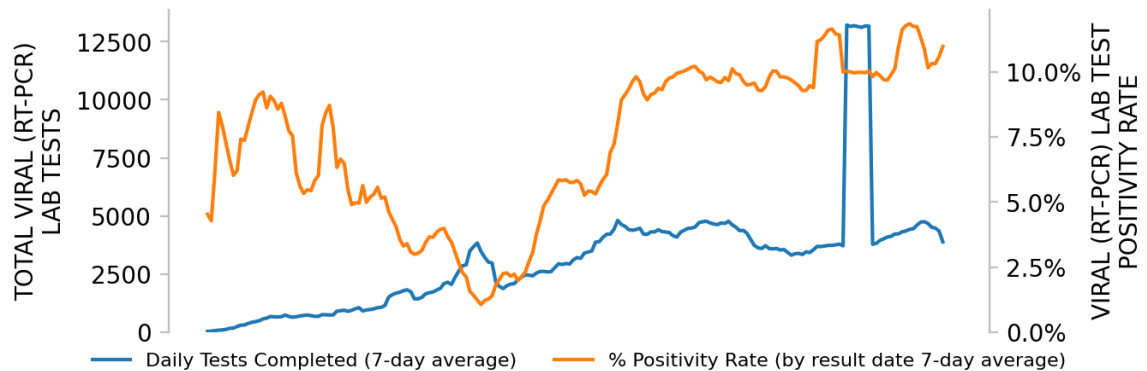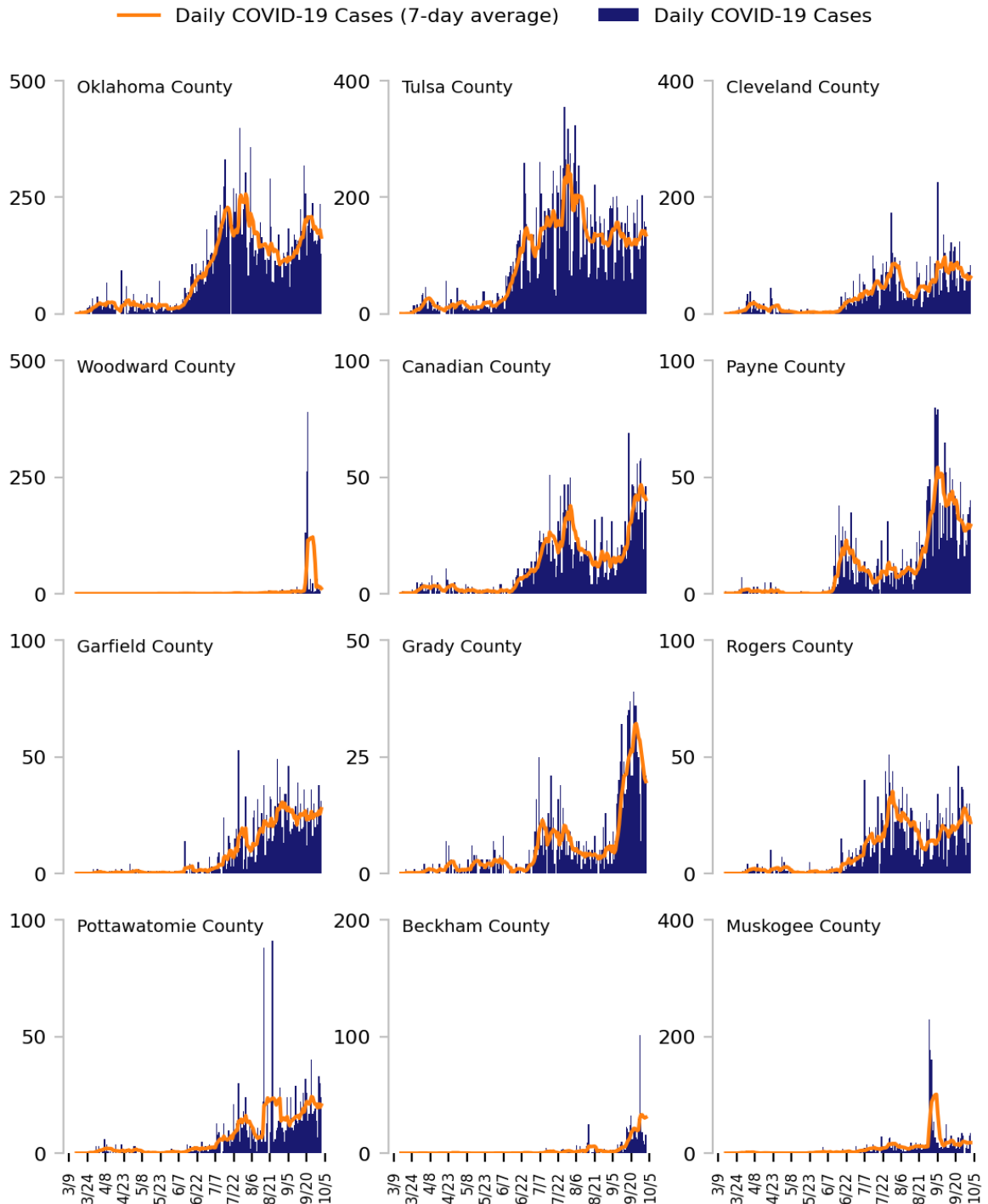
Top 12 counties based on number of new cases in the last 3 weeks

—— Daily COVID-19 Cases (7-day average) ■ Daily COVID-19 Cases

TOTAL DAILY CASES

Oklahoma County

Tulsa County

Cleveland County

Woodward County

Canadian County

Payne County

Garfield County

Grady County

Rogers County

Pottawatomie County

Beckham County

Muskogee County

OKLAHOMA

STATE REPORT | 10.04.2020

CASE RATES AND VIRAL LAB TEST POSITIVITY DURING THE LAST WEEK

NEW CASES PER 100,000 DURING THE LAST WEEK

Date: 10/4/2020

Cases per 100K
- ≤ 20 Cases in Last 14 Days
- 0 to 4
- 5 to 9
- 10 to 50
- 51 to 100
- 101 to 199
- 200 to 499
- 500 or More

VIRAL (RT-PCR) LABORATORY TEST POSITIVITY DURING THE LAST WEEK

Date: 10/4/2020

Test Positivity
- ≤ 20 Cases in Last 14 Days
- 0.0% to 2.9%
- 3.0% to 4.9%
- 5.0% to 7.9%
- 8.0% to 10.0%
- 10.1% to 19.9%
- 20% or More

WEEKLY CHANGE IN NEW CASES PER 100,000

Date: 10/4/2020

Percent Change in Cases per 100K
- ≤ 20 Cases in Last 14 Days
- -26% or Less
- -25% to -11%
- -10% to 0%
- 1% to 10%
- 11% to 99%
- 100% to 999%
- 1,000% or More
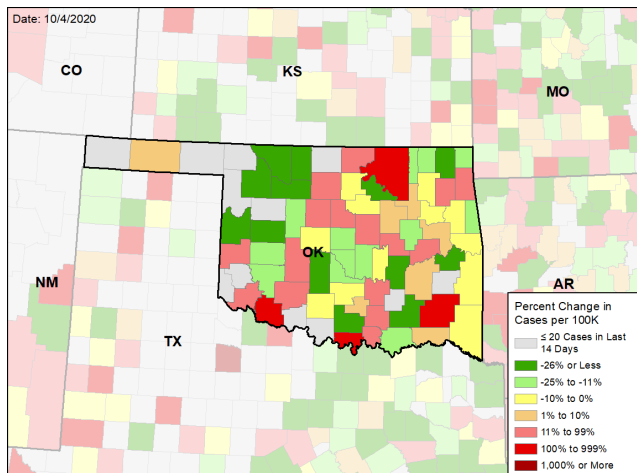
WEEKLY CHANGE IN VIRAL (RT-PCR) LABORATORY TEST POSITIVITY

Date: 10/4/2020

Absolute Change in Test Positivity
- ≤ 20 Cases in Last 14 Days
- -2.1% or Less
- -2.0% to -0.6%
- -0.5% to 0.0%
- 0.1% to 0.5%
- 0.6% to 2.0%
- 2.1% or More

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: 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 10/2/2020. Last week is 9/26 - 10/2, previous week is 9/19 - 9/25.
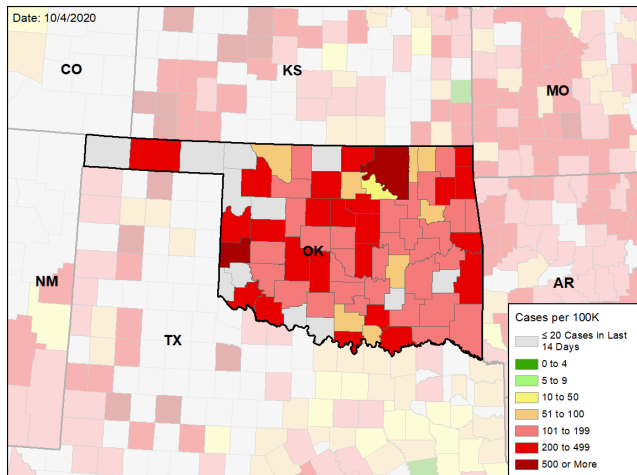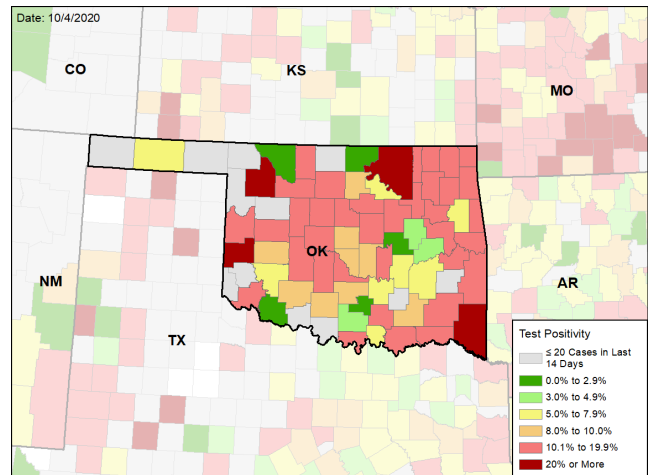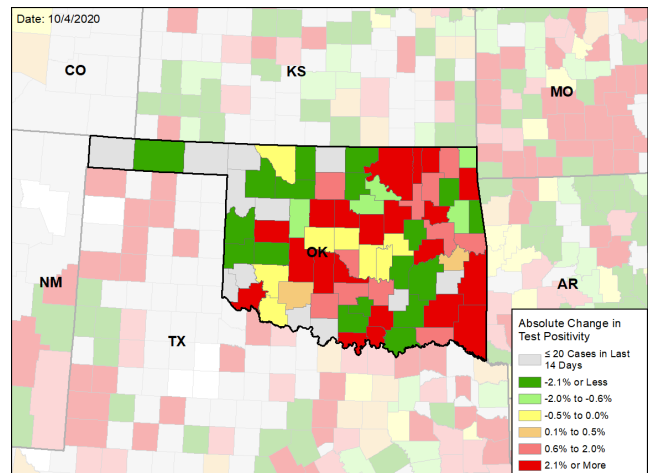**Testing:** HHS Protect laboratory data (provided directly to Federal Government from public health labs, hospital labs, and commercial labs) through 9/30/2020. Last week is 9/24 - 9/30, previous week is 9/17 - 9/23.

National Picture

NEW CASES PER 100,000 LAST WEEK

NEW CASES PER 100,000 IN THE WEEK ONE MONTH BEFORE

NATIONAL RANKING OF NEW CASES PER 100,000 LAST WEEK

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

DATA SOURCES
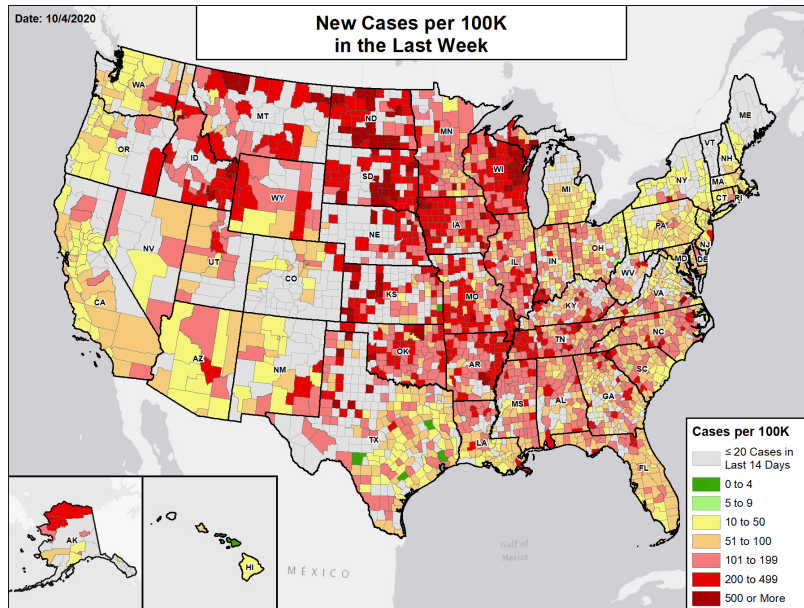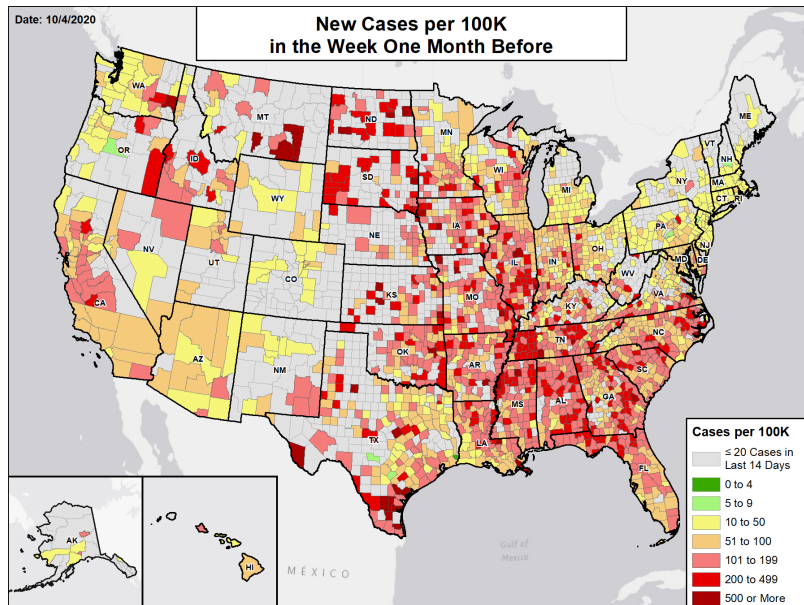**Note:** Some dates may have incomplete data due to delays in reporting. Data may be backfilled over time, resulting in week-to-week changes.
Cases: County-level data from USAFacts through 10/2/2020. Last week is 9/26 - 10/2; the week one month before is 8/29 - 9/4.

National Picture

VIRAL (RT-PCR) LAB TEST POSITIVITY LAST WEEK

Date: 10/4/2020

Viral (RT-PCR) Lab Test Positivity in the Last Week

Test Positivity
- ≤ 20 Cases in Last 14 Days
- 0.0% to 2.9%
- 3.0% to 4.9%
- 5.0% to 7.9%
- 8.0% to 10.0%
- 10.1% to 19.9%
- 20% or More

VIRAL (RT-PCR) LAB TEST POSITIVITY IN THE WEEK ONE MONTH BEFORE

Date: 10/4/2020

Viral (RT-PCR) Lab Test Positivity in the Week One Month Before

Test Positivity
- ≤ 20 Cases in Last 14 Days
- 0.0% to 2.9%
- 3.0% to 4.9%
- 5.0% to 7.9%
- 8.0% to 10.0%
- 10.1% to 19.9%
- 20% or More

NATIONAL RANKING OF TEST POSITIVITY LAST WEEK

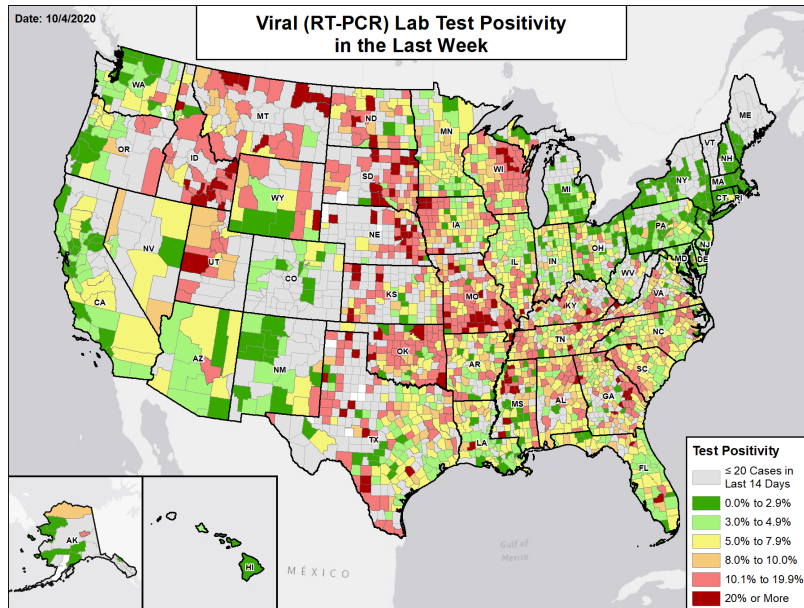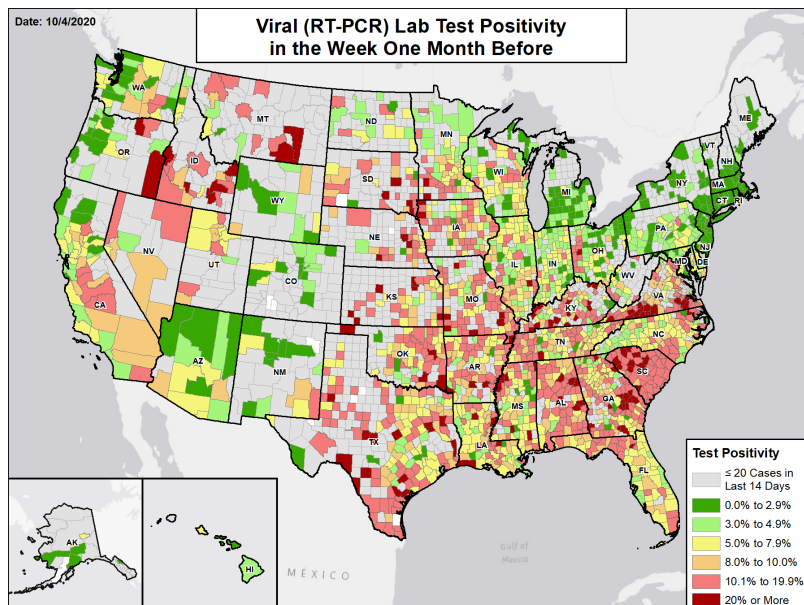| National Rank	State
1	MT
2	UT
3	ID
4	SD
5	OK
6	NE
7	WI
8	MO
9	NV
10	KY
11	AL
12	IA
13	KS
14	SC
15	ND
16	MS
17	TN
18	TX
19	AR
20	VA
21	GA
22	OR
23	IN
24	NC
25	MN
26	WY
27	FL
28	IL
29	LA
30	DE
31	WV
32	AZ
33	AK
34	PA
35	HI
36	MI
37	MD
38	CO
39	CA
40	WA
41	NM
42	OH
43	NJ
44	CT
45	NH
46	RI
47	NY
48	MA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

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 9/30/2020. Last week is 9/24 - 9/30; the week one month before is 8/27 - 9/2.

METHODS

STATE REPORT | 10.04.2020

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	≤0.1	0.2 – 0.4	0.5 – 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 16:56 EDT on 10/04/2020. 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 9/26 to 10/2; previous week data are from 9/19 to 9/25; the week one month before data are from 8/29 to 9/4.
- **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 9/24 to 9/30; previous week data are from 9/17 to 9/23; the week one month before data are from 8/27 to 9/2. HHS Protect data is recent as of 11:17 EDT on 10/04/2020. Testing data are inclusive of everything received and processed by the CELR system as of 19:00 EDT on 10/03/2020.
- **Mobility:** Descartes Labs. These data depict the median distance moved across a collection of mobile devices to estimate the level of human mobility within a locality. The 100% represents the baseline mobility level prior to the pandemic; lower percent mobility indicates less population movement. Data is anonymized and provided at the locality level. Data is recent as of 16:47 EDT on 10/04/2020 and is through 10/1/2020.
- **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 18:09 EDT on 10/04/2020.
- **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 9/21-9/27, previous week is 9/14-9/20.
- **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."