STATE REPORT
09.06.2020

OKLAHOMA

SUMMARY

- Oklahoma is in the red zone for cases, indicating more than 100 new cases per 100,000 population last week, with the 9th highest rate in the country. Oklahoma is in the red zone for test positivity, indicating a rate above 10%, with the 4th highest rate in the country.
- Oklahoma has seen an increase in new cases and an increase in test positivity over the last week.
- The following three counties had the highest number of new cases over the last 3 weeks: 1. Tulsa County, 2. Oklahoma County, and 3. Cleveland County. These counties represent 42.5% of new cases in Oklahoma.
- 65% of all counties in Oklahoma have moderate or high levels of community transmission (yellow or red zone), with 31% having high levels of community transmission (red zone). There is virus in rural and urban counties.
- During the week of Aug 24 – Aug 30, 12% of nursing homes had at least one new resident COVID-19 case, 13% of nursing homes had at least one new staff COVID-19, and 4% of nursing homes had at least one new resident COVID-19 death.
- Oklahoma had 146 new cases per 100,000 population in the last week, compared to a national average of 88 per 100,000.
- Current staff deployed from the federal government as assets to support the state response are: 4 to support operations activities from FEMA; 8 to support epidemiology activities from CDC; 60 to support medical activities from VA; and 1 to support operations activities from VA.
- Between Aug 29 - Sep 04, on average, 89 patients with confirmed COVID-19 and 88 patients with suspected COVID-19 were reported as newly admitted each day to hospitals in Oklahoma. An average of 84% 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

- Require masks in metro areas and counties with COVID-19 cases among students or teachers in K-12 schools.
- In university settings:
    - Increase testing capacity by expanding public-private partnerships; increasing the budget and capacity of public health labs; pooling specimens where appropriate; and utilizing all university, veterinary and research platforms for surveillance and testing of students and, if needed, the surrounding communities.
    - Require all universities and colleges to have a plan for both rapid testing and contact tracing of symptomatic students and periodic surveillance testing of students. Ensure quick turnaround times for results and the rapid isolation of cases and quarantine of contacts. Residential cases and contacts should not be sent home to isolate or quarantine.
    - Recruit college and university students to expand public health messaging and contact tracing capacity and ensure protection of local communities by strict mask wearing and social distancing off campus.
    - Universities and colleges should work with various student leaders and campus media to support compliance with recommendations.
    - Consider utilizing focused wastewater surveillance to detect cases early and to direct diagnostic testing and public health interventions.
- Using the Abbott BinaxNOW, establish weekly surveillance in critical populations to monitor degree of community spread among K-12 teachers; staff working at nursing homes, assisted living, and other congregate living settings; and first responders.
- Bars must be closed, and indoor dining must be restricted to 50% of normal capacity in yellow zone and 25% of normal capacity in red zone counties and metro areas. Expand outdoor dining options.
- Tribal Nations: Continue enforcement of social distancing and masking measures in areas of increased transmission. Continue enhanced testing activities. Increase Abbott ID Now supplies to test individuals in positive households.
- 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.

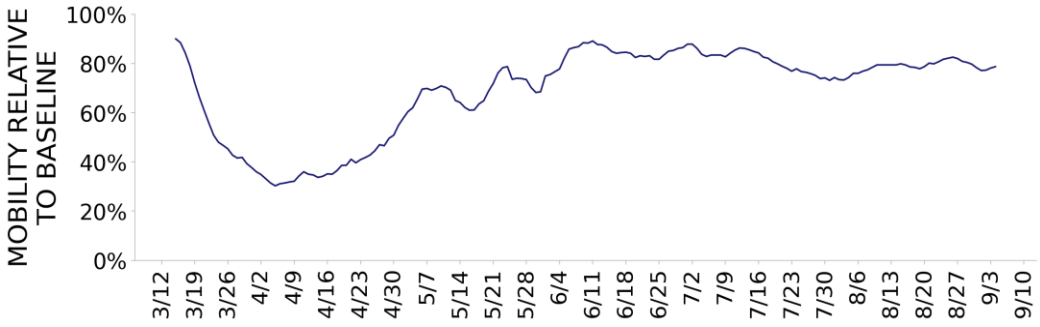
COVID-19

OKLAHOMA

STATE REPORT | 09.06.2020

	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)	5,776 (146)	+28.0%	45,924 (108)	290,363 (88)
VIRAL (RT-PCR) LAB TEST POSITIVITY RATE	11.3%	+2.0%*	8.7%	5.2%
TOTAL VIRAL (RT-PCR) LAB TESTS (TESTS PER 100,000)	26,574** (672)	+7.0%**	326,348** (764)	5,652,360** (1,722)
COVID-19 DEATHS (RATE PER 100,000)	60 (2)	-15.5%	1,270 (3)	5,963 (2)
SNFs WITH ≥1 NEW RESIDENT COVID-19 CASE (≥1 NEW STAFF CASE)	12% (13%)	+2%* (+0%*)	14% (18%)	10% (17%)
SNFs WITH ≥1 NEW RESIDENT COVID-19 DEATH	4%	-1%*	7%	5%

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 9/4/2020; last week is 8/29 - 9/4, previous week is 8/22 - 8/28.

Testing: CELR (COVID-19 Electronic Lab Reporting) state health department-reported data through 9/2/2020. Last week is 8/27 - 9/2, previous week is 8/20 - 8/26.

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 9/4/2020.

SNFs: Skilled nursing facilities. National Healthcare Safety Network. Data are reported separately for cases among residents and staff. Last week is 8/24-8/30, previous week is 8/17-8/23.

OKLAHOMA

STATE REPORT | 09.06.2020

COVID-19 COUNTY AND METRO ALERTS*

Top 12 shown in table (full lists below)

	LOCALITIES IN RED ZONE		LOCALITIES IN YELLOW ZONE	
METRO AREA (CBSA) LAST WEEK	**7**	Tulsa Muskogee Stillwater Enid Fort Smith McAlester Guymon	**10**	Oklahoma City Lawton Shawnee Tahlequah Miami Bartlesville Durant Weatherford Altus Elk City
COUNTY LAST WEEK	**24**	Tulsa Muskogee Payne Garfield Le Flore Wagoner Osage Pittsburg Creek McCurtain Okmulgee Texas	**26**	Oklahoma Cleveland Pottawatomie Comanche Canadian Rogers Cherokee Sequoyah Ottawa Washington Bryan Caddo

All Red Counties: Tulsa, Muskogee, Payne, Garfield, Le Flore, Wagoner, Osage, Pittsburg, Creek, McCurtain, Okmulgee, Texas, Adair, McClain, Haskell, Seminole, Atoka, Craig, Johnston, Choctaw, Nowata, Cotton, Major, Coal

All Yellow Counties: Oklahoma, Cleveland, Pottawatomie, Comanche, Canadian, Rogers, Cherokee, Sequoyah, Ottawa, Washington, Bryan, Caddo, Custer, Kingfisher, Delaware, Lincoln, Logan, Jackson, Mayes, Pawnee, Beckham, Love, McIntosh, Blaine, Okfuskee, Noble

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

Red Zone: Those core-based statistical areas (CBSAs) and counties that during the last week reported both new cases above 100 per 100,000 population, and lab test positivity result above 10%.

Yellow Zone: Those CBSAs and counties that during the last week reported both new cases between 10-100 per 100,000 population, and a lab test positivity result between 5-10%, or one of those two conditions and one condition qualifying as being in the “Red Zone.”

Note: Lists of red 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

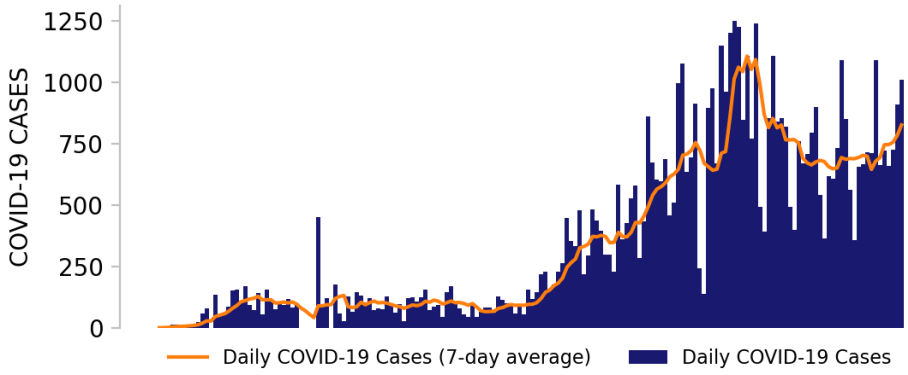
Cases and Deaths: State values are calculated by aggregating county-level data from USAFacts; therefore, the values may not match those reported directly by the state. Data is through 9/4/2020; last week is 8/29 - 9/4, three weeks is 8/15 - 9/4.

Testing: HHS Protect laboratory data (provided directly to Federal Government from public health labs, hospital labs, and commercial labs) through 9/2/2020. Last week is 8/27 - 9/2.

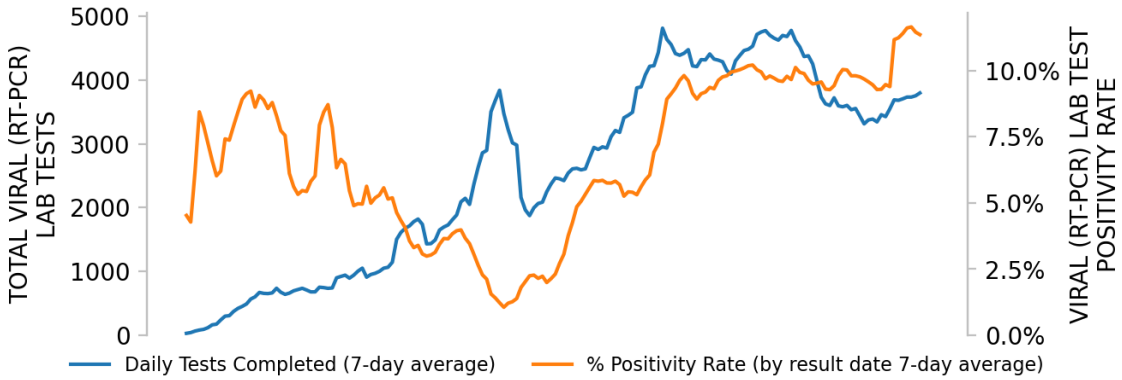
OKLAHOMA

STATE REPORT | 09.06.2020

NEW CASES

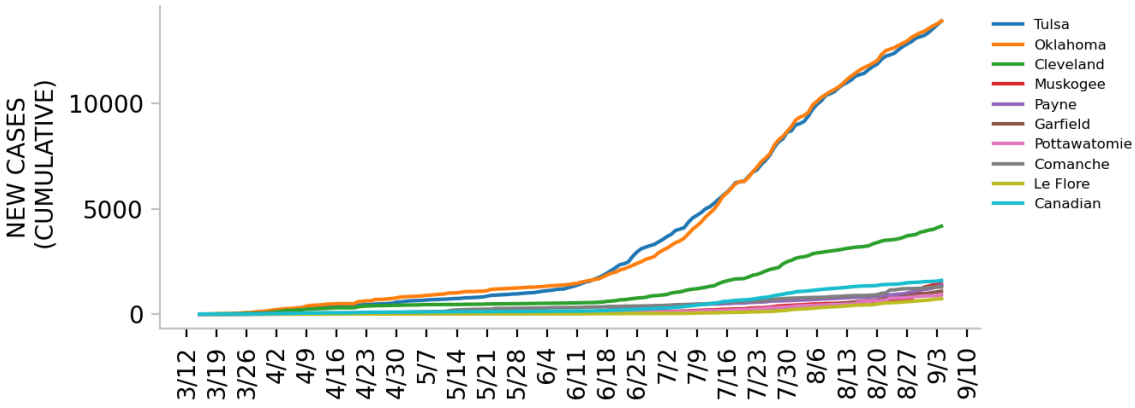


TESTING



TOP COUNTIES

Top counties based on greatest number of new cases in last three weeks (8/15 - 9/4)



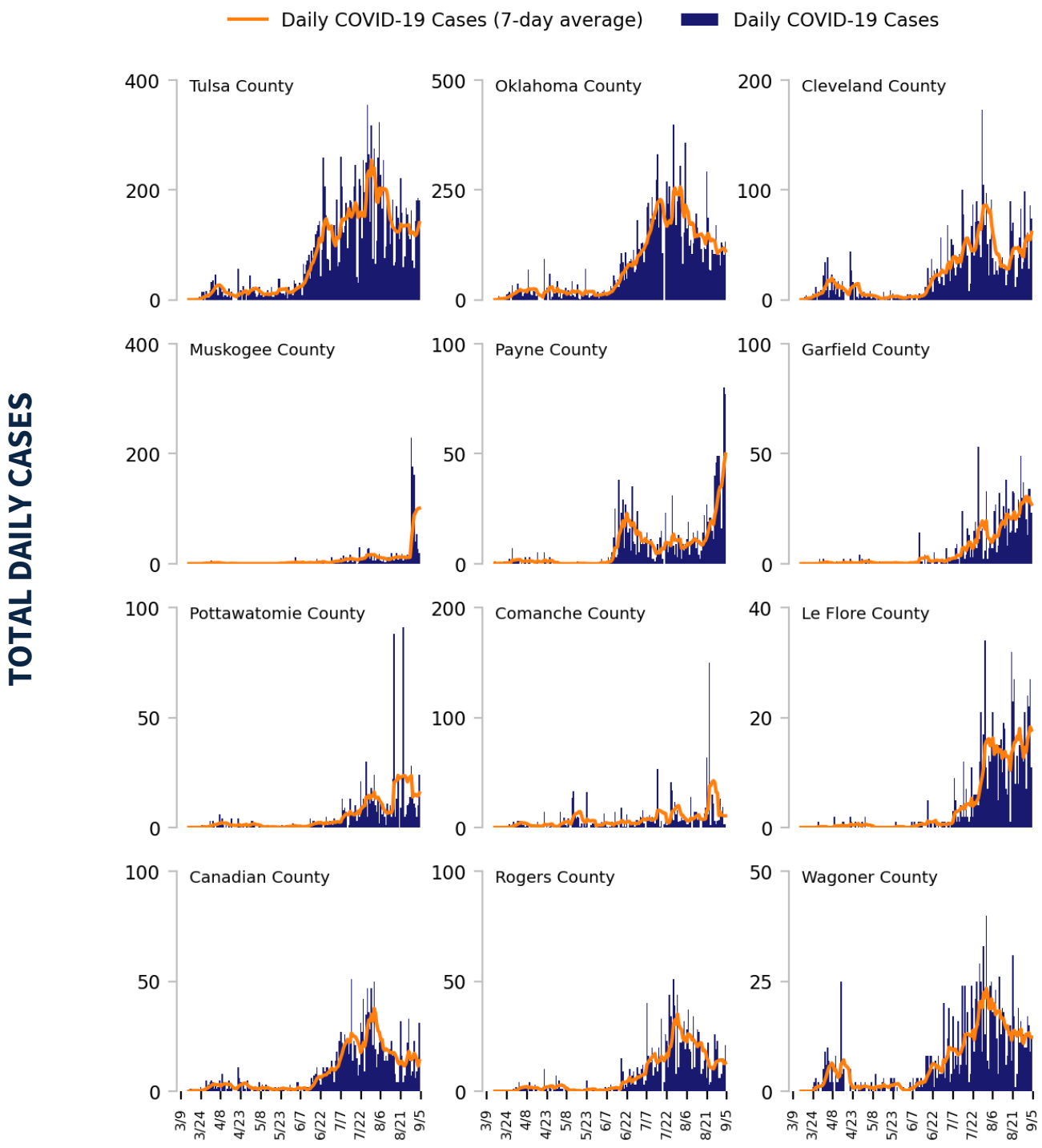
DATA SOURCES – Additional data details available under METHODS

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 9/4/2020.

Testing: HHS Protect laboratory data (provided directly to Federal Government from public health labs, hospital labs, and commercial labs) through 9/2/2020.

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



DATA SOURCES – Additional data details available under METHODS

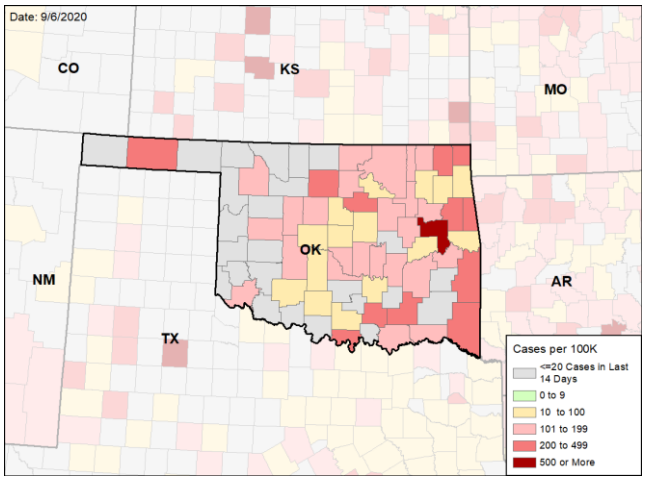
Cases: State values are calculated by aggregating county-level data from USAFacts; therefore, the values may not match those reported directly by the state. Data is through 9/4/2020. Last 3 weeks is 8/15 - 9/4.

OKLAHOMA

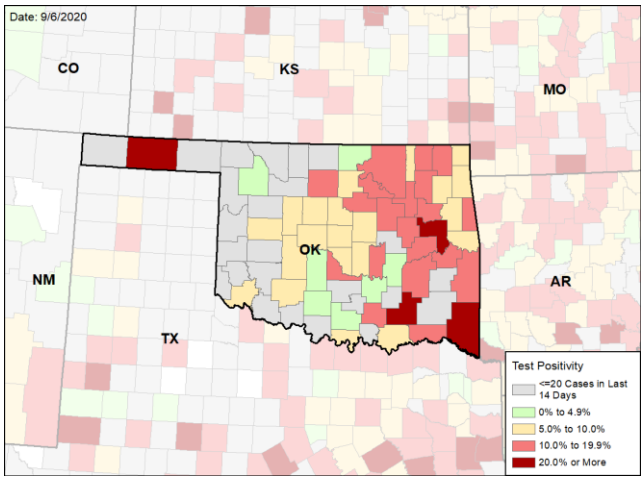
STATE REPORT | 09.06.2020

CASE RATES AND VIRAL LAB TEST POSITIVITY DURING THE LAST WEEK

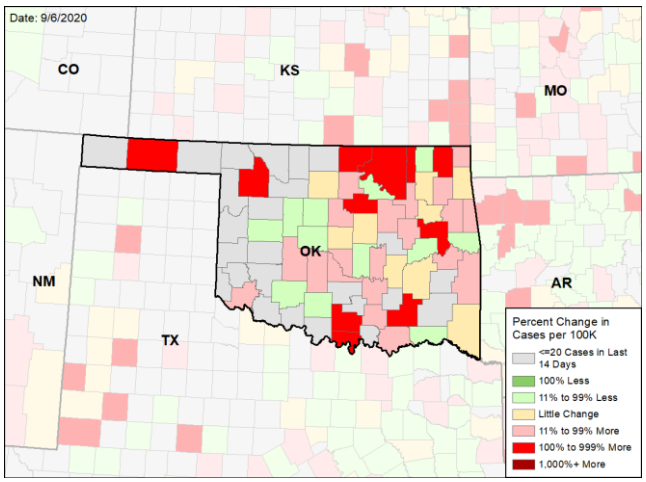
NEW CASES PER 100,000 DURING THE LAST WEEK



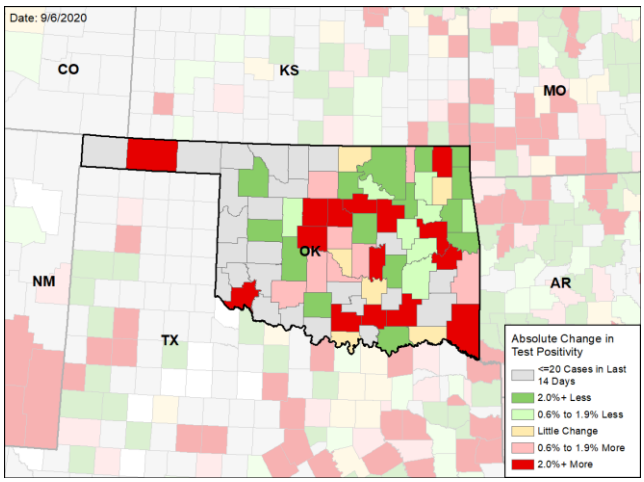
VIRAL (RT-PCR) LABORATORY TEST POSITIVITY DURING THE LAST WEEK



WEEKLY CHANGE IN NEW CASES PER 100K



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



DATA SOURCES – Additional data details available under METHODS

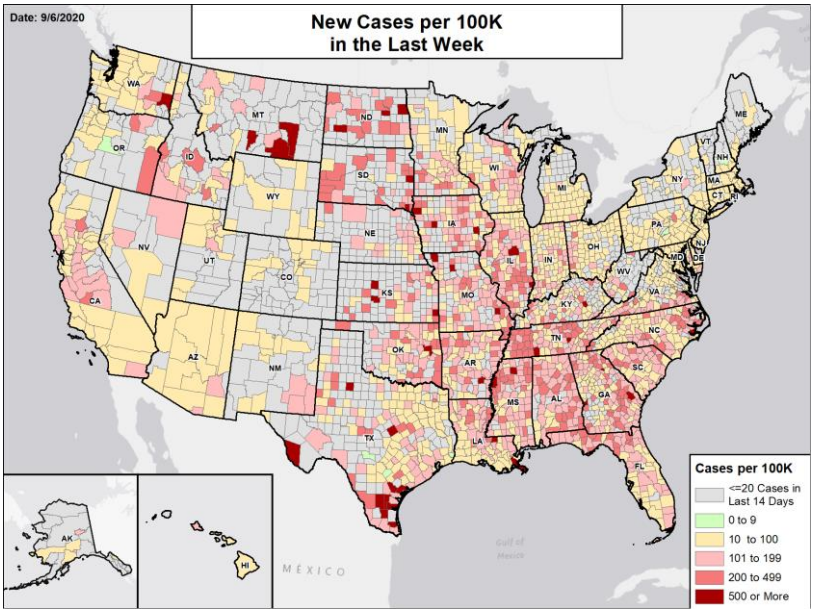
Note: Some dates may have incomplete data due to delays in reporting. Data may be backfilled over time, resulting in week-to-week changes.

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 9/4/2020. Last week is 8/29 - 9/4, previous week is 8/22 - 8/28.

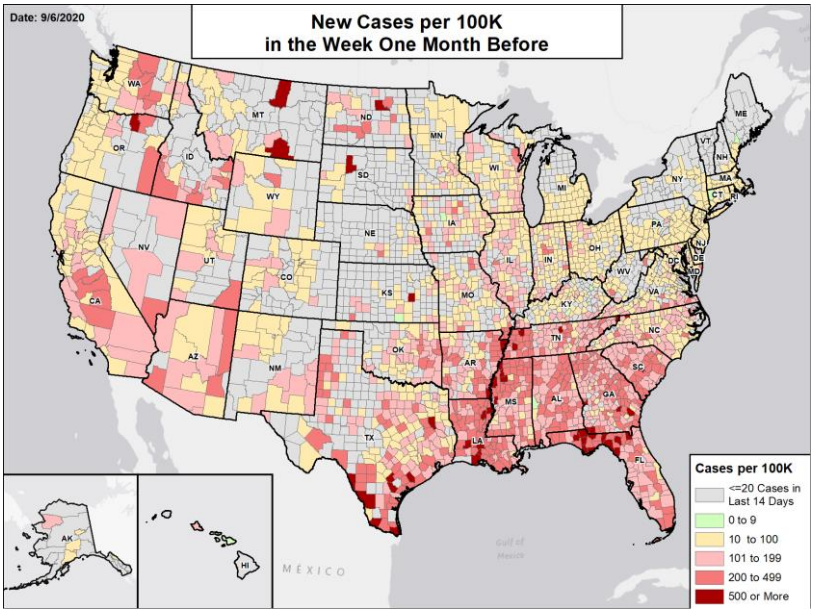
Testing: HHS Protect laboratory data (provided directly to Federal Government from public health labs, hospital labs, and commercial labs) through 9/2/2020. Last week is 8/27 - 9/2, previous week is 8/20 - 8/26.

National Picture

NEW CASES PER 100,000 LAST WEEK



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



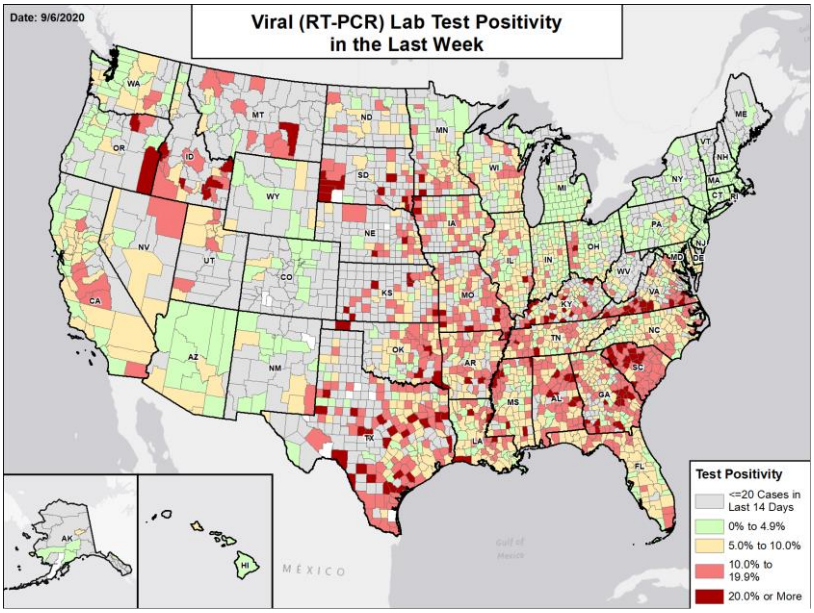
DATA SOURCES

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

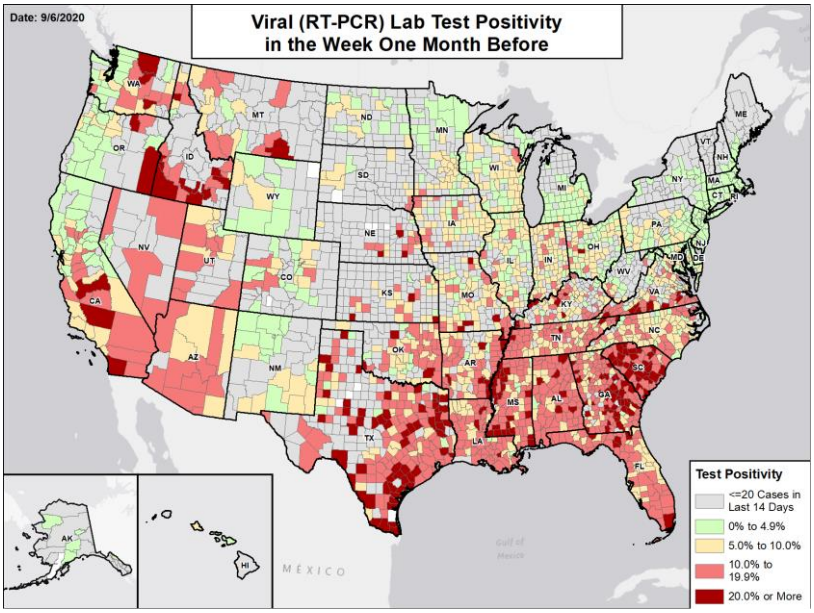
Cases: County-level data from USAFacts through 9/4/2020. Last week is 8/29 - 9/4; the week one month before is 8/1 - 8/7.

National Picture

VIRAL (RT-PCR) LAB TEST POSITIVITY LAST WEEK



VIRAL (RT-PCR) LAB TEST POSITIVITY IN THE WEEK ONE MONTH 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 9/2/2020. Last week is 8/27 - 9/2; the week one month before is 7/30 - 8/5.

METHODS

STATE REPORT | 09.06.2020

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)

Metric	Green	Yellow	Red
New cases per 100,000 population per week	<10	10-100	>100
Percent change in new cases per 100,000 population	<-10%	-10% - 10%	>10%
Diagnostic test result positivity rate	<5%	5%-10%	>10%
Change in test positivity	<-0.5%	-0.5%-0.5%	>0.5%
Total diagnostic tests resulted per 100,000 population per week	>1000	500-1000	<500
Percent change in tests per 100,000 population	>10%	-10% - 10%	<-10%
COVID-19 deaths per 100,000 population per week	<1	1-2	>2
Percent change in deaths per 100,000 population	<-10%	-10% - 10%	>10%
Skilled Nursing Facilities with at least one resident COVID-19 case, death	<1%	1%-5%	>5%
Change in SNFs with at least one resident COVID-19 case, death	<-1%	-1%-1%	>1%

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 22:00 EDT on 09/06/2020. 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 8/29 to 9/4; previous week data are from 8/22 to 8/28; the week one month before data are from 8/1 to 8/7.
- **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. 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 8/27 to 9/2; previous week data are from 8/20 to 8/26; the week one month before data are from 7/30 to 8/5. HHS Protect data is recent as of 11:30 EDT on 09/06/2020. Testing data are inclusive of everything received and processed by the CELR system as of 19:00 EDT on 09/05/2020.
- **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 13:00 EDT on 09/06/2020 and is through 9/4/2020.
- **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 15:00 EDT on 09/06/2020.
- **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 8/17-8/23, previous week is 8/24-8/30.