# PENNSYLVANIA

STATE REPORT | 07.14.2020

## SUMMARY

- Pennsylvania is in the yellow zone for cases, indicating between 10 to 100 new cases per 100,000 population last week, and the green zone for test positivity, indicating a rate below 5%.
- Pennsylvania has seen an increase in new cases and stability in testing positivity over the past week.
- The following three counties had the highest number of new cases over the past 3 weeks: 1. Allegheny County, 2. Philadelphia County, and 3. Lancaster County. These counties represent 42.8 percent of new cases in Pennsylvania.
- Pennsylvania had 40 new cases per 100,000 population in the past week, compared to a national average of 119 per 100,000.
- The federal government has deployed the following staff as assets to support the state response: 67 to support leadership, administrative, operations, and logistics activities from HHS, FEMA, and USCG; 6 to support medical activities from HHS and VA; 1 to support COVID-19 testing activities from HHS; and 3 to support epidemiology activities from CDC.

## RECOMMENDATIONS

- Continue weekly testing of all workers in assisted living and long-term care facilities and require masks and social distancing for all visitors.
- Increase messaging of the risk of serious disease in all age groups with preexisting medical conditions, including obesity, hypertension and diabetes mellitus.
- Careful monitoring in Pittsburgh of changes in percent COVID positive is critical. Keep an eye on activities in bars and restaurants.
- Increase testing in the 25-49 age group.
- Stress the importance of testing and 14-day isolation for those who test positive for COVID-19.
- Implement rigorous testing, contact tracing, and community mitigation programs in counties with increasing case trends. Temporarily close bars, limit indoor dining, and require usage of cloth masks in areas with high caseload and percent positivity until cases significantly decline.
- 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.*

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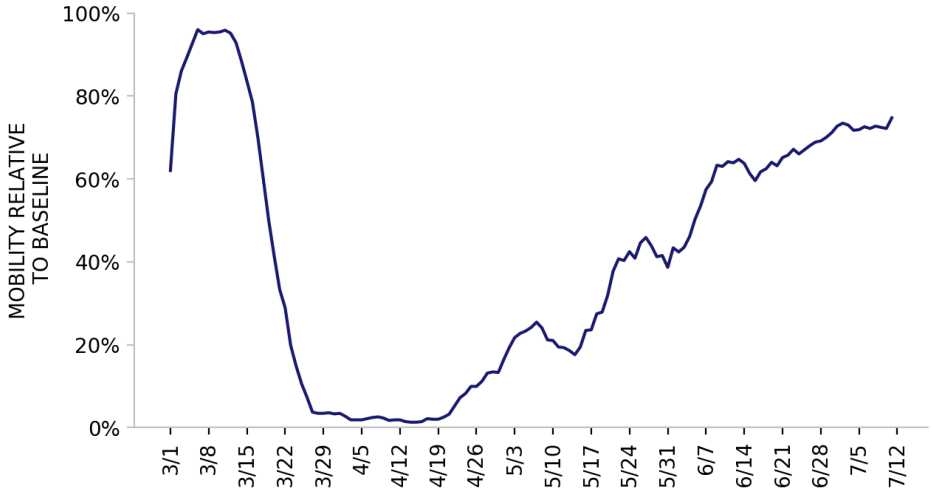
| | STATE, LAST WEEK | STATE, % CHANGE FROM PREVIOUS WEEK | FEMA/HHS REGION, LAST WEEK | UNITED STATES, LAST WEEK |
|---|---|---|---|---|
| NEW CASES (RATE PER 100,000) | 5,137 (40) | +17.6% | 15,398 (50) | 389,358 (119) |
| DIAGNOSTIC TEST POSITIVITY RATE | 4.8% | +0.2%* | 6.0% | 9.6% |
| TOTAL DIAGNOSTIC TESTS (TESTS PER 100,000) | 129,894 (1,014) | +2.4% | 341,768 (1,108) | 3,833,229 (1,172) |
| COVID DEATHS (RATE PER 100,000) | 135 (1) | -19.2% | 358 (1) | 4,616 (1) |

MOBILITY




* Indicates absolute change in percentage points

**DATA SOURCES**

**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 7/10/2020; last week is 7/4 - 7/10, previous week is 6/27 - 7/3.

**Testing:** State-level values calculated by using 7-day rolling averages of reported tests. Regional- and national-level values calculated by using a 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 7/8/2020. Last week is 7/2 - 7/8, previous week is 6/25 - 7/1.

**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; 100% represents the baseline mobility level. Data is anonymized and provided at the county level. Data through 7/11/2020.

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| | LOCALITIES IN RED ZONE | | LOCALITIES IN YELLOW ZONE | |
|---|---|---|---|---|
| **METRO AREA (CBSA) LAST WEEK** | **0** | N/A | **4** | Pittsburgh<br>York-Hanover<br>Lebanon<br>New Castle |
| **COUNTY LAST WEEK** | **0** | N/A | **13**<br>**Top 12 shown** | Allegheny<br>Philadelphia<br>York<br>Dauphin<br>Westmoreland<br>Washington<br>Lebanon<br>Beaver<br>Butler<br>Lawrence<br>Greene<br>Clarion |

**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 a diagnostic test positivity result above 10%.
**Yellow Zone:** Those core-based statistical areas (CBSAs) and counties that during the last week reported both new cases between 10-100 per 100,000 population, and a diagnostic test positivity result between 5-10%, or one of those two conditions and one condition qualifying as being in the "Red Zone."

**Note:** Top 12 locations are selected based on the highest number of new cases in the last three weeks.

**DATA SOURCES**
**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 7/10/2020; last week is 7/4 - 7/10, three weeks is 6/20 - 7/10.
**Testing:** CELR (COVID-19 Electronic Lab Reporting) state health department-reported data through 7/8/2020. Last week is 7/2 - 7/8.

## POLICY RECOMMENDATIONS FOR COUNTIES IN THE RED ZONE

**Public Messaging**

- Wear a mask at all times outside the home and maintain physical distance
- Limit social gatherings to 10 people or fewer
- Do not go to bars, nightclubs, or gyms
- Use take out or eat outdoors socially distanced
- Protect anyone with serious medical conditions at home by social distancing at home and using high levels of personal hygiene, including handwashing and cleaning surfaces
- Reduce your public interactions and activities to 25% of your normal activity

**Public Officials**

- Close bars and gyms, and create outdoor dining opportunities with pedestrian areas
- Limit social gatherings to 10 people or fewer
- Institute routine weekly testing of all workers in assisted living and long-term care facilities. Require masks for all staff and prohibit visitors
- Ensure that all business retailers and personal services require masks and can safely social distance
- Increase messaging on the risk of serious disease for individuals in all age groups with preexisting obesity, hypertension, and diabetes mellitus, and recommend to shelter in place
- Work with local community groups to provide targeted, tailored messaging to communities with high case rates, and increase community level testing
- Recruit more contact tracers as community outreach workers to ensure all cases are contacted and all positive households are individually tested within 24 hours
- Provide isolation facilities outside of households if COVID-positive individuals can't quarantine successfully

**Testing**

- Move to community-led neighborhood testing and work with local community groups to increase access to testing
- Surge testing and contact tracing resources to neighborhoods and zip codes with highest case rates
- **Diagnostic pooling**: laboratories should use pooling of samples to increase testing access and reduce turnaround times to under 12 hours. Consider pools of 2-3 individuals in high incidence settings and 5:1 pools in setting where test positivity is under 10%
- **Surveillance pooling**: For family and cohabitating households, screen entire households in a single test by pooling specimens of all members into single collection device

## POLICY RECOMMENDATIONS FOR COUNTIES IN THE YELLOW ZONE IN ORDER TO PREEMPT EXPONENTIAL COMMUNITY SPREAD

**Public Messaging**

- Wear a mask at all times outside the home and maintain physical distance
- Limit social gatherings to 25 people or fewer
- Do not go to bars or nightclubs
- Use take out, outdoor dining or indoor dining when strict social distancing can be maintained
- Protect anyone with serious medical conditions at home by social distancing at home and using high levels of personal hygiene
- Reduce your public interactions and activities to 50% of your normal activity

**Public Officials**

- Limit gyms to 25% occupancy and close bars until percent positive rates are under 3%; create outdoor dining opportunities with pedestrian areas
- Limit social gatherings to 25 people or fewer
- Institute routine weekly testing of all workers in assisted living and long-term care facilities. Require masks for all staff and prohibit visitors
- Ensure that all business retailers and personal services require masks and can safely social distance
- Increase messaging on the risk of serious disease for individuals in all age groups with preexisting obesity, hypertension, and diabetes mellitus, and recommend to shelter in place
- Work with local community groups to provide targeted, tailored messaging to communities with high case rates, and increase community level testing
- Recruit more contact tracers as community outreach workers to ensure all cases are contacted and all positive households are individually tested within 24 hours
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**Testing**

- Move to community-led neighborhood testing and work with local community groups to increase access to testing
- Surge testing and contact tracing resources to neighborhoods and zip codes with highest case rates
- **Diagnostic pooling**: laboratories should use pooling of samples to increase testing access and reduce turnaround times to under 12 hours. Consider pools of 3-5 individuals
- **Surveillance pooling**: For family and cohabitating households, screen entire households in a single test by pooling specimens of all members into single collection device

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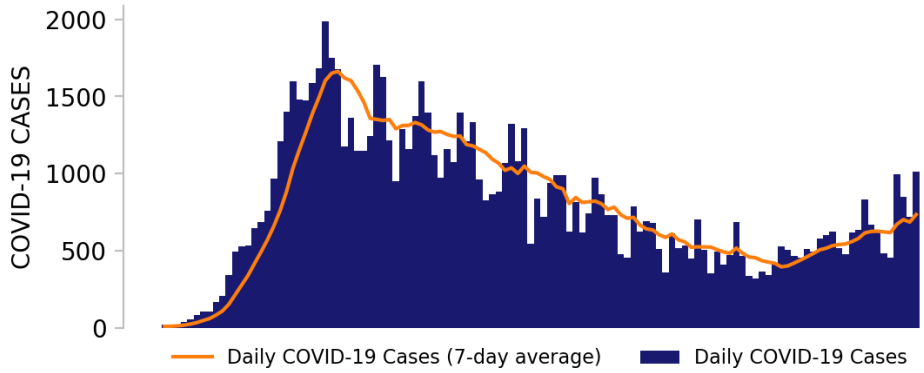
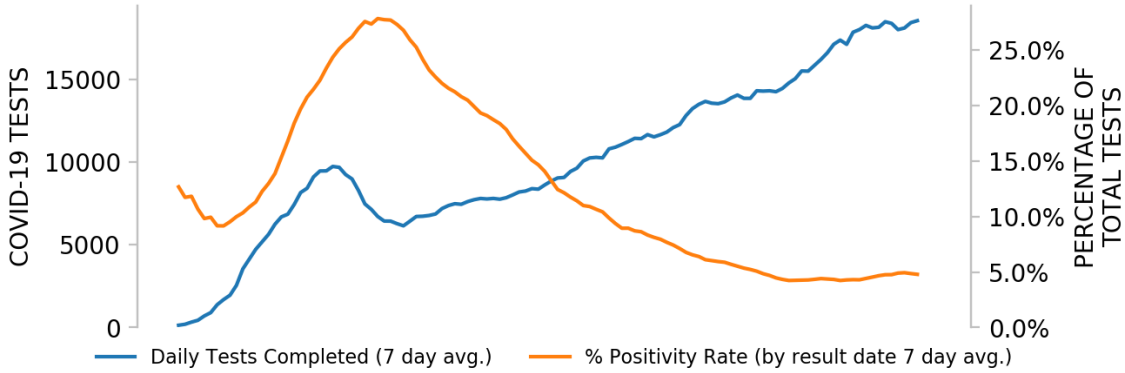
## NEW CASES

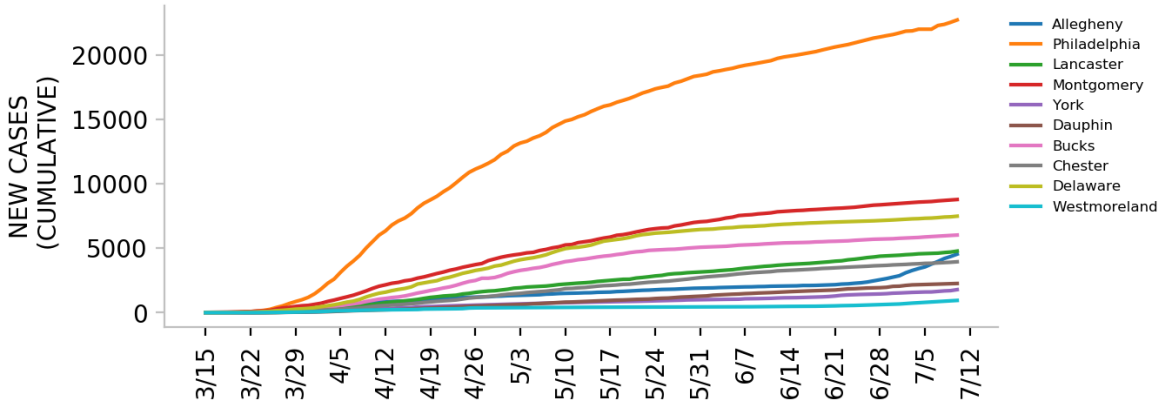



## TESTING




## TOP COUNTIES

Top counties based on greatest number of new cases in last three weeks (6/20 - 7/10)

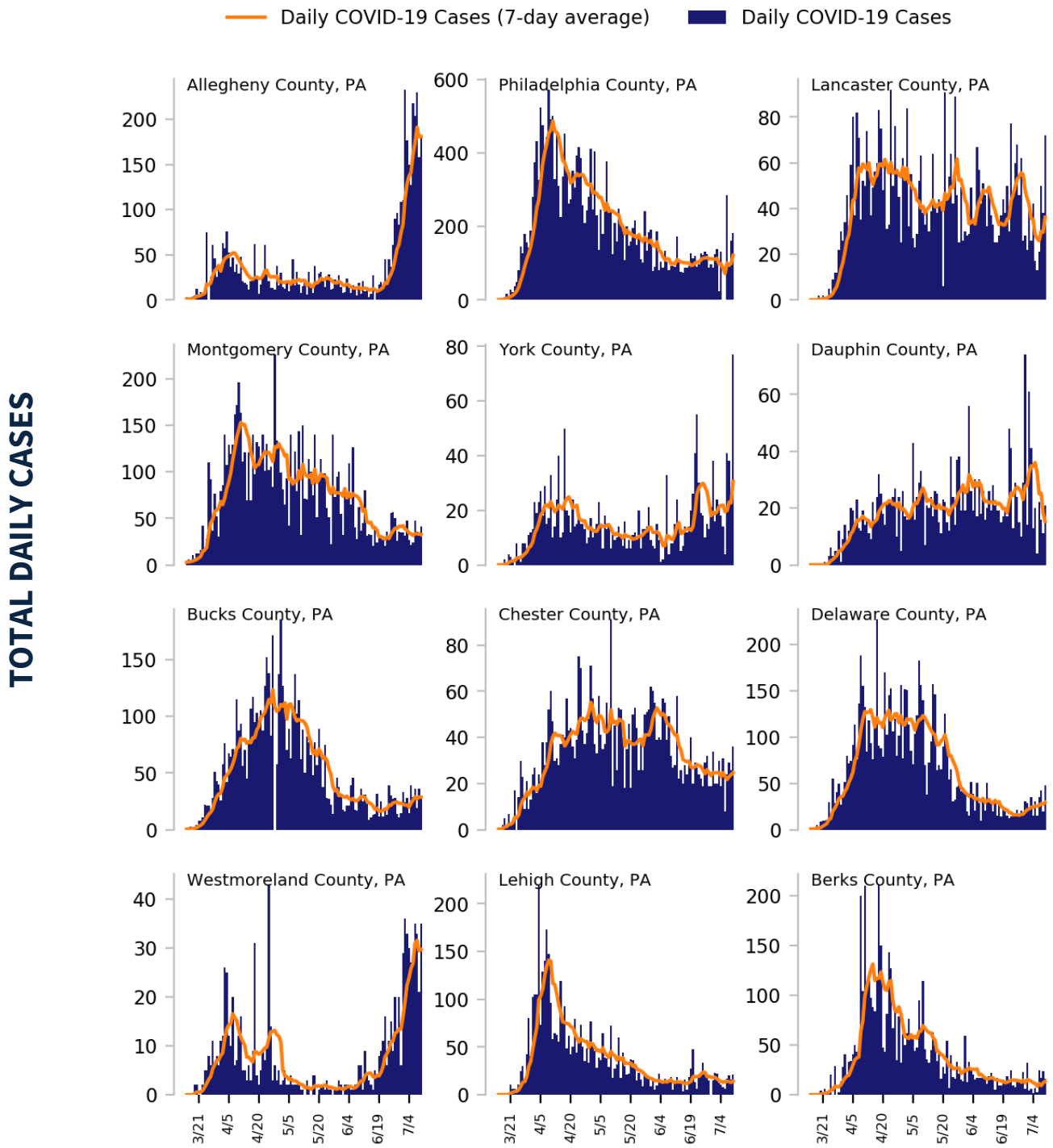



**DATA SOURCES**

**Cases:** County-level data from USAFacts. 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 7/10/2020.

**Testing:** CELR (COVID-19 Electronic Lab Reporting) state health department-reported data through 7/8/2020.

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




**DATA SOURCES**

**Cases:** County-level data from USAFacts through 7/10/2020. Last 3 weeks is 6/20 - 7/10.

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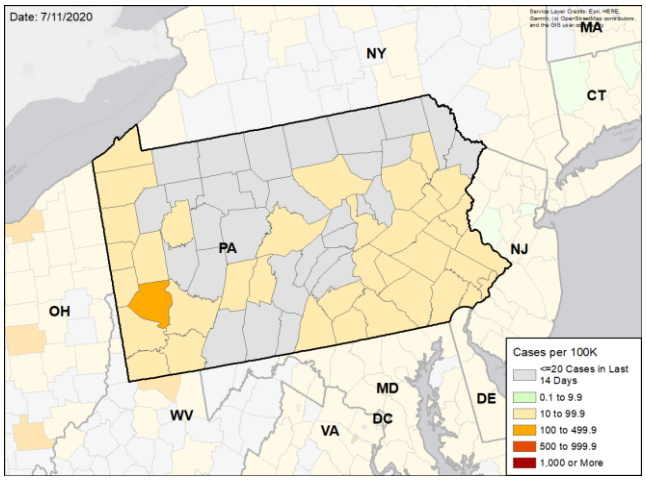
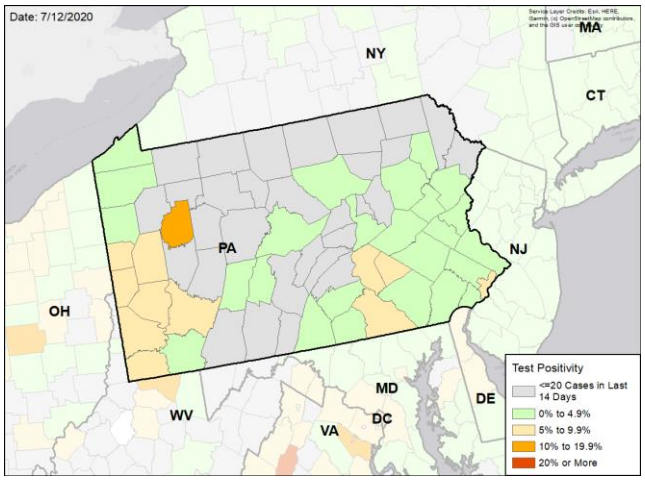
## CASE RATES AND DIAGNOSTIC TEST POSITIVITY DURING THE LAST WEEK

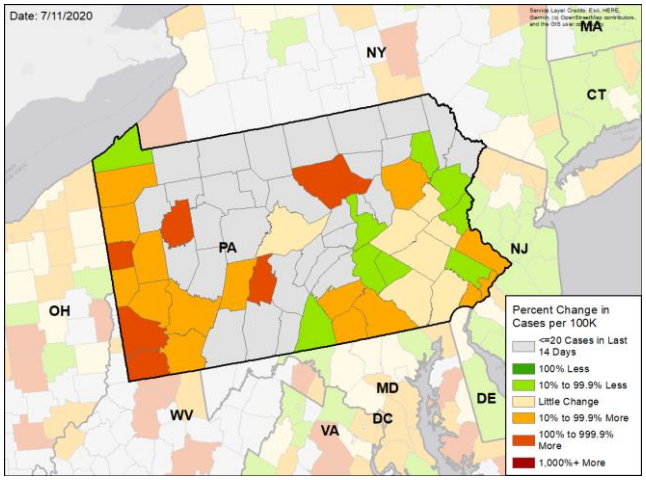
### NEW CASES PER 100,000 DURING LAST WEEK



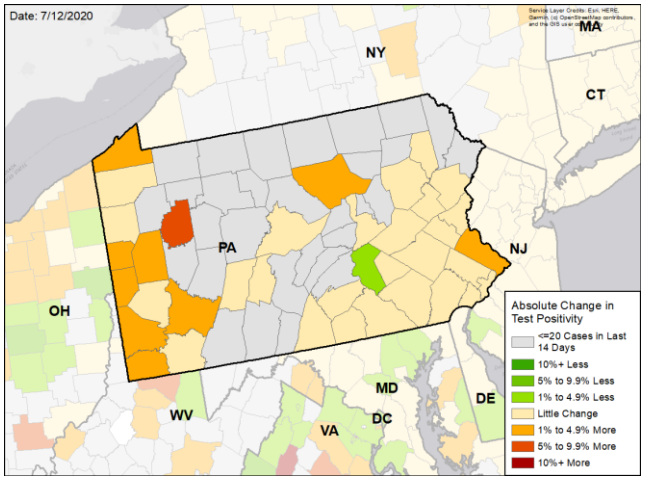

### TEST POSITIVITY DURING LAST WEEK




### WEEKLY % CHANGE IN NEW CASES PER 100K




### WEEKLY CHANGE IN TEST POSITIVITY



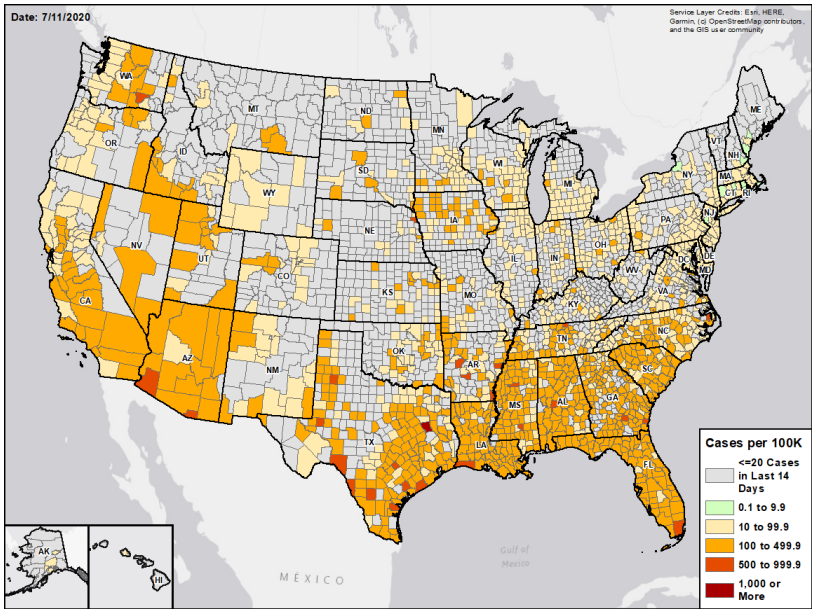

**DATA SOURCES**

**Cases:** County-level data from USAFacts through 7/10/2020. Last week is 7/4 - 7/10, previous week is 6/27 - 7/3

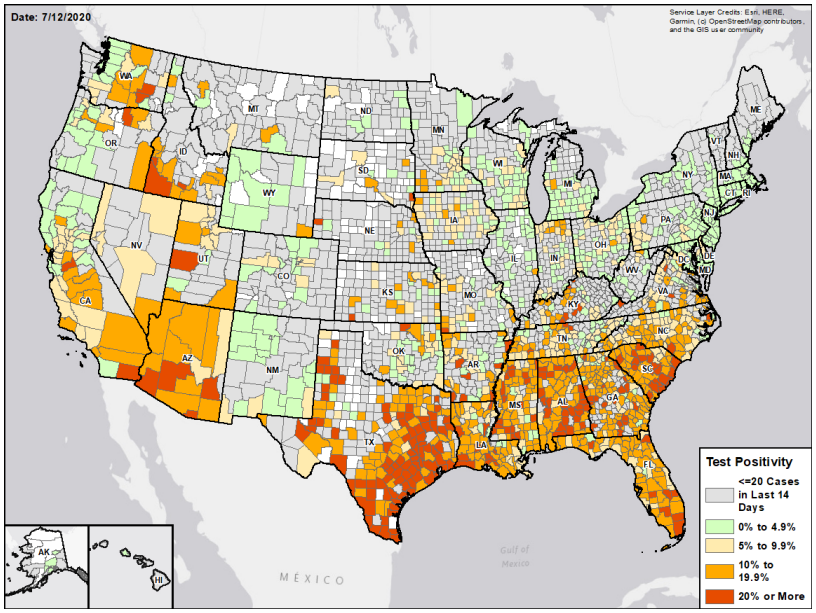
**Testing:** CELR (COVID-19 Electronic Lab Reporting) state health department-reported data through 7/8/2020. Last week is 7/2 - 7/8, previous week is 6/25 - 7/1.

# National Picture

NEW CASES PER 100,000 LAST WEEK




TEST POSITIVITY LAST WEEK




**DATA SOURCES**

**Cases:** County-level data from USAFacts through 7/10/2020. Last week is 7/4 - 7/10

**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 7/8/2020. Last week is 7/2 - 7/8.

# 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)

| 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 | <0.5 | 0.5-2 | >2 |
| Percent change in deaths per 100,000 population | <-10% | -10% - 10% | >10% |

**DATA NOTES**

- **Cases and deaths:** County-level data from USAFacts as of 13:00 EST on 07/11/2020. 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 7/4 to 7/10; previous week data are from 6/27 to 7/3.
- **Testing:** CELR (COVID-19 Electronic Lab Reporting) state health department-reported data are used to describe state-level totals when able to be disaggregated from serology test results and to describe county-level 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. Total diagnostic tests are the number of tests performed, not the number of individuals tested. Diagnostic test positivity rate is the number of positive tests divided by the number of tests performed and resulted. Last week data are from 7/2 to 7/8; previous week data are from 6/25 to 7/1. CELR data is recent as of 00:30 EST on 07/12/2020; HHS Protect data as of 00:30 EST on 07/12/2020.
- **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; 100% represents the baseline mobility level. Data is recent as of 13:00 EST on 07/11/2020 and through 7/11/2020.