TENNESSEE
STATE REPORT | 07.14.2020

SUMMARY

• Tennessee is in the red zone for cases, indicating more than 100 new cases per 100,000 population last week, and the yellow zone for test positivity, indicating a rate between 5% to 10%.
• Tennessee has seen an increase in new cases and a decrease in testing positivity over the past week.
• The following three counties had the highest number of new cases over the past 3 weeks: 1. Shelby County, 2. Davidson County, and 3. Rutherford County. These counties represent 50.0 percent of new cases in Tennessee.
• Tennessee had 195 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: 3 to support leadership, administrative, operations, and logistics activities from FEMA; and 2 to support medical activities from VA.

RECOMMENDATIONS

• Continue weekly testing of all workers in assisted living and long-term care facilities and require masks and social distancing for all visitors.
• Mandate public use of masks in all current and evolving hot spots.
• Close bars and gyms in hot spot counties.
• Move to outdoor dining and limit indoor dining to less than 25%; decrease gathering limits to 10.
• Encourage individuals that have participated in large social gatherings to get tested.
• Increase messaging of the risk of serious disease in all age groups with preexisting medical conditions, including obesity, hypertension and diabetes mellitus.
• Continue the scale-up of testing, moving to community led neighborhood testing and pooled household testing in the Memphis, Knoxville, Nashville and other red zone metro areas.
• Test households in one tube with rapid turnaround testing. For households that test positive, isolate and conduct follow-up individual tests.
• Work with local communities to provide clear guidance for households that test positive, including individual isolation.
• Continue to enhance contact tracing and ensure the ability of cases and contacts to quarantine or isolate safely. Monitor testing data to identify additional sites of increased transmission and focus public health resources on them.
• Expand testing capacity in Public Health labs, adding shifts and weekend shifts to decrease turnaround times. Institute 2:1 pooling of test specimens.
• 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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<table>
<thead>
<tr>
<th></th>
<th>State, Last Week</th>
<th>State, % Change from Previous Week</th>
<th>FEMA/HHS Region, Last Week</th>
<th>United States, Last Week</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>New Cases</strong>&lt;br&gt;(rate per 100,000)</td>
<td>10,510 (155)</td>
<td>+17.2%</td>
<td>135,129 (204)</td>
<td>389,358 (119)</td>
</tr>
<tr>
<td><strong>Diagnostic Test Positivity Rate</strong></td>
<td>9.7%</td>
<td>-0.5%*</td>
<td>15.7%</td>
<td>9.6%</td>
</tr>
<tr>
<td><strong>Total Diagnostic Tests</strong>&lt;br&gt;(tests per 100,000)</td>
<td>38,307 (566)</td>
<td>-10.6%</td>
<td>738,971 (1,113)</td>
<td>3,833,229 (1,172)</td>
</tr>
<tr>
<td><strong>COVID Deaths</strong>&lt;br&gt;(rate per 100,000)</td>
<td>88 (1)</td>
<td>+54.4%</td>
<td>1,114 (2)</td>
<td>4,616 (1)</td>
</tr>
</tbody>
</table>

* 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

**METRO AREA (CBSA) LAST WEEK**

- 6
- Nashville-Davidson--Murfreesboro--Franklin
- Cleveland
- Sevierville
- Shelbyville
- Dyersburg
- Brownsville

**COUNTY LAST WEEK**

- 19
- Top 12 shown
- Davidson
- Rutherford
- Sumner
- Bradley
- Sevier
- Hamblen
- Macon
- Robertson
- Bedford
- Dyer
- Lauderdale
- Smith

## LOCALITIES IN YELLOW ZONE

**13 Top 12 shown**

- Memphis
- Knoxville
- Chattanooga
- Morristown
- Cookeville
- Clarksville
- Jackson
- Kingsport-Bristol
- Lawrenceburg
- Newport
- Tullahoma-Manchester
- Greeneville

- 44 Top 12 shown

- Shelby
- Hamilton
- Williamson
- Knox
- Wilson
- Putnam
- Maury
- Fayette
- Madison
- Lawrence
- Hardeman
- Tipton

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**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:** 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.
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 25 people or fewer
• Do not go to bars or nightclubs
• Use take out or outdoor 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, including handwashing and cleaning surfaces
• Reduce your public interactions and activities to 50% of your normal activity

Public Officials
• Close bars and gyms, and 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
• 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
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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
**NEW CASES**

COVID-19 CASES

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

**TESTING**

COVID-19 TESTS

- Daily Tests Completed (7 day avg.)
- % Positivity Rate (by result date 7 day avg.)

**TOP COUNTIES**

NEW CASES (CUMULATIVE)

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

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**Testing:** HHS Protect laboratory data (provided directly to Federal Government from public health labs, hospital labs, and commercial labs) 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 POSEITIVITY 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: 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.