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.

PENNSYLVANIA

SUMMARY

• Pennsylvania is in the yellow zone for cases, indicating between 10 and 100 new cases per 100,000 population last week, with the 39th highest rate in the country. Pennsylvania is in the green zone for test positivity, indicating a rate below 5%, with the 31st highest rate in the country.
• Pennsylvania has seen stability in new cases and stability in test positivity over the last week.
• The following three counties had the highest number of new cases over the last 3 weeks: 1. Philadelphia County, 2. Allegheny County, and 3. York County. These counties represent 29.0% of new cases in Pennsylvania.
• 24% of all counties in Pennsylvania have moderate levels of community transmission (yellow zone), with none having high levels of community transmission (red zone).
• During the week of Aug 31 - Sep 6, 8% of nursing homes had at least one new resident COVID-19 case, 11% had at least one new staff COVID-19 case, and 2% had at least one new resident COVID-19 death.
• Pennsylvania had 41 new cases per 100,000 population in the last week, compared to a national average of 74 per 100,000.
• Current staff deployed from the federal government as assets to support the state response are: 63 to support operations activities from FEMA; 12 to support operations activities from ASPR; and 1 to support operations activities from USCG.
• Between Sep 5 - Sep 11, on average, 50 patients with confirmed COVID-19 and 323 patients with suspected COVID-19 were reported as newly admitted each day to hospitals in Pennsylvania. An average of 88% 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

• As the recent rise in case rates are related to opening of institutes of higher education (IHE), it will be critical to work closely with all IHE to develop adequately responsive public health interventions.
• Expansion of testing is the key to epidemic control and should be expanded in all counties with IHE and in smaller counties where testing is inadequate and the epidemic has been spreading.
• Require all IHE to have a plan for surge testing and isolation facilities for campus outbreaks (surge testing of 50-100% of the student body over 14 days with structured surveillance thereafter and surge capacity to isolate up to 5-10% of student body). Case management services should ensure safe isolation on campus or safe release to family quarantine.
• Encourage or require strong mitigation efforts on campus, including masks and social distancing; de-densification of residences and classrooms; maximum ventilation adjustments in all buildings; creation of sheltered outside study and dining areas; and proactive and adaptive limits on bar patronage and student gatherings on and off campus.
• Local health departments should continue to work with IHE, student leaders, and campus media to support compliance with recommendations; repercussions for non-compliance should be clarified, widely promulgated, and enforced.
• Continue outreach to restaurant and bar owners in college communities to enforce masking and limitations on occupancy.
• Explore use of focused wastewater surveillance to detect cases early and to direct diagnostic testing and public health interventions; consider using at a facility or residence hall level to support surveillance-to-testing algorithms.
• Recruit college and university students and under-employed residents in affected communities to expand public health messaging and contact tracing capacity.
• Continue to ensure all long-term care facilities (LTCFs) have expanded testing capacity in all towns with university students so staff can be tested at least weekly to prevent spread from IHE to residents through staff; enforce use of face masks by all staff at all times.
• Ensure that all inspection surveys have been conducted in all LTCFs with an initial case or 3 or more cases in the last week and ensure prompt corrective actions were taken.
• Develop a plan for increased surveillance for silent community spread by using the Abbott BinaxNOW or antigen tests. Establish weekly surveillance among critical populations to monitor degree of community spread among K-12 teachers; staff working at nursing homes, assisted living, and other congregate living settings; prison staff; and first responders as tests become available.
• Specific, detailed guidance on community mitigation measures can be found on the CDC website.
### Pennsylvania State Report | 09.13.2020

<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 COVID-19 Cases</strong></td>
<td>5,223 (41)</td>
<td>-8.0%</td>
<td>18,225 (59)</td>
<td>243,676 (74)</td>
</tr>
<tr>
<td><strong>(Rate per 100,000)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Viral (RT-PCR) Lab Test Positivity Rate</strong></td>
<td>4.3%</td>
<td>+0.2%*</td>
<td>5.6%</td>
<td>4.8%</td>
</tr>
<tr>
<td><strong>Total Viral (RT-PCR) Lab Tests (Tests per 100,000)</strong></td>
<td>151,748** (1,185)</td>
<td>-13.0%**</td>
<td>454,039** (1,472)</td>
<td>4,966,365** (1,513)</td>
</tr>
<tr>
<td><strong>COVID-19 Deaths</strong></td>
<td>95 (1)</td>
<td>+6.7%</td>
<td>221 (1)</td>
<td>5,180 (2)</td>
</tr>
<tr>
<td><strong>(Rate per 100,000)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SNFs with ≥1 New Resident COVID-19 Case</strong></td>
<td>8% (11%)</td>
<td>+1%*</td>
<td>9% (14%)</td>
<td>9% (18%)</td>
</tr>
<tr>
<td>(≥1 New Staff Case)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SNFs with ≥1 New Resident COVID-19 Death</strong></td>
<td>2%</td>
<td>-1%*</td>
<td>4%</td>
<td>4%</td>
</tr>
</tbody>
</table>

* 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-on-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 9/11/2020; last week is 9/5 - 9/11, previous week is 8/29 - 9/4.

**Testing**: CELR (COVID-19 Electronic Lab Reporting) state health department-reported data through 9/9/2020. Last week is 9/3 - 9/9, previous week is 8/27 - 9/2.

**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 9/11/2020.

**SNFs**: Skilled nursing facilities. National Healthcare Safety Network. Data are reported separately for cases among residents and staff. Last week is 8/31-9/6, previous week is 8/24-8/30.
PENNSYLVANIA
STATE REPORT | 09.13.2020

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

LOCALITIES IN RED ZONE

<table>
<thead>
<tr>
<th>METRO AREA (CBSA) LAST WEEK</th>
<th>COUNTY LAST WEEK</th>
<th>LOCALITIES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td><strong>0</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>N/A</td>
</tr>
</tbody>
</table>

LOCALITIES IN YELLOW ZONE

<table>
<thead>
<tr>
<th>METRO AREA (CBSA) LAST WEEK</th>
<th>COUNTY LAST WEEK</th>
<th>LOCALITIES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td><strong>8</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>York-Hanover, Lancaster, Harrisburg-Carlisle, State College, Bloomsburg-Berwick, Chambersburg-Waynesboro, Indiana, Lewisburg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>METRO AREA (CBSA) LAST WEEK</th>
<th>COUNTY LAST WEEK</th>
<th>LOCALITIES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td><strong>16</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>York, Lancaster, Chester, Bucks, Centre, Dauphin, Columbia, Beaver, Luzerne, Franklin, Indiana, Armstrong</td>
</tr>
</tbody>
</table>

All Yellow Counties: York, Lancaster, Chester, Bucks, Centre, Dauphin, Columbia, Beaver, Luzerne, Franklin, Indiana, Armstrong, Mercer, Union, Montour, Juniata

* 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 9/11/2020; last week is 9/5 - 9/11, three weeks is 8/22 - 9/11.

**Testing:** CELR (COVID-19 Electronic Lab Reporting) state health department-reported data through 9/9/2020. Last week is 9/3 - 9/9.
NEW CASES

COVID-19 CASES

0 500 1000 1500 2000

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

TESTING

TOTAL VIRAL (RT-PCR) LAB TESTS

0 5000 10000 15000 20000 25000

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

Top counties based on greatest number of new cases in last three weeks (8/22 - 9/11)

TOP COUNTIES

NEW CASES (CUMULATIVE)

0 10000 20000 30000

03/15 03/22 03/29 04/05 04/12 04/19 04/26 05/03 05/10 05/17 05/24 06/07 06/14 06/21 06/28 07/05 07/12 07/19 08/02 08/09 08/16 08/23 08/30 09/06 09/13 09/20

Philadelphia Allegheny York Montgomery Delaware Lancaster Chester Berks Bucks Centre

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 9/11/2020.

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

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 9/11/2020. Last 3 weeks is 8/22 - 9/11.

**DATA SOURCES** – Additional data details available under METHODS
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 9/11/2020. Last week is 9/5 - 9/11, previous week is 8/29 - 9/4.
COVID-19

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 9/11/2020. Last week is 9/5 - 9/11; the week one month before is 8/8 - 8/14.
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 9/9/2020. Last week is 9/3 - 9/9; the week one month before is 8/6 - 8/12.
## METHODS

### 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)

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

### 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 21:00 EDT on 09/13/2020. 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 9/5 to 9/11; previous week data are from 8/29 to 9/4; the week one month before data are from 8/8 to 8/14.

- **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 9/3 to 9/9; previous week data are from 8/29 to 9/4; the week one month before data are from 8/6 to 8/12. HHS Protect data is recent as of 12:00 EDT on 09/13/2020. Testing data are inclusive of everything received and processed by the CELR system as of 19:00 EDT on 09/12/2020.

- **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. 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 12:00 EDT on 09/13/2020 and is through 9/11/2020.

- **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 20:00 EDT on 09/13/2020.

- **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 8/31-9/6, previous week is 8/24-8/30.