Pennsylvania is in the orange zone for cases, indicating between 51 and 100 new cases per 100,000 population last week, with the 38th highest rate in the country. Pennsylvania is in the green zone for test positivity, indicating a rate at or below 4.9%, with the 35th highest rate in the country.

Pennsylvania has seen an increase in new cases and stability in test positivity over the last week, with large variation by county; the largest increases in test positivity and incidence are seen in smaller, more rural counties.

The following three counties had the highest number of new cases over the last 3 weeks: 1. Philadelphia County, 2. Centre County, and 3. Allegheny County. These counties represent 30.3% of new cases in Pennsylvania.

The highest rates of test positivity among 65+ year-olds in counties with adequate testing are Northumberland, Montour, Huntingdon, Lebanon, Blair, Westmoreland, Union, and Snyder counties.

22% of all counties in Pennsylvania have moderate or high levels of community transmission (yellow, orange, or red zones), with none having high levels of community transmission (red zone).

During the week of Sep 28 - Oct 4, 7% of nursing homes had at least one new resident COVID-19 case, 13% had at least one new staff COVID-19 case, and 3% had at least one new resident COVID-19 death; apparent outbreaks in facilities in Orbisonia, Pittsburgh, Danville, New Castle, Greensburg, Muncy, Selinsgrove, Philadelphia, Troy, and Indiana.

Pennsylvania had 63 new cases per 100,000 population in the last week, compared to a national average of 100 per 100,000.

Current staff deployed from the federal government as assets to support the state response are: 59 to support operations activities from FEMA; 8 to support operations activities from ASPR; and 1 to support operations activities from USCG.

Between Oct 3 - Oct 9, on average, 83 patients with confirmed COVID-19 and 363 patients with suspected COVID-19 were reported as newly admitted each day to hospitals in Pennsylvania. 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.

We have included cases, test positivity, and deaths by month in the back of your packet to show the time sequence in Pennsylvania and the country as a whole. These demonstrate the impact of comprehensive mitigation efforts when implemented effectively and that partial or incomplete mitigation leads to prolonged community spread and increased fatalities.

Many rural states that had a protracted period of low test positivity and low incidence, like certain counties in Pennsylvania, were lax with community mitigation and are now being hit hard; it is essential to maintain aggressive community mitigation efforts, like social distancing and face coverings, as cold weather sets in.

Recent data suggest that smaller, more intimate gatherings of family, friends, and neighbors are driving infection, especially as activities move indoors and adherence to face covering and social distancing wanes; educational efforts should focus on this shift and reinvigorate adherence to mitigation recommendations.

Intensify appropriately targeted public health messaging and focused testing of at-risk groups like the elderly, those who live in crowded or multigenerational settings, and those who are resistant to public health mandates.

Adequate surveillance is extremely important as cases rise. Use antigen or other rapid tests. Implement regular surveillance and frequent testing among critical staff, such as teachers, clinic staff and staff working at long-term care facilities (LTCFs) and all other congregate living settings, prisoners and prison staff, public transportation workers, and first responders as more tests become available.

Maintain pressure on institutions of higher education (IHEs) and ensure all are conducting vigorous testing and have sufficient capacity for ongoing surveillance of students and staff on campus, regardless of symptoms; require all IHEs to post testing and result data online.

Continue to closely monitor hospital and ICU utilization, resources, and capacity at the local level and put data on local websites; ensure hospital capacity remains sufficient and all staff are trained on current treatment protocols, including early use of antiviral and antibody therapies, especially in rural areas and counties with high test positivity among the elderly.

Any nursing homes with 3 or more cases of COVID among staff and/or residents per week over any of the past 3 weeks (see list of facility locations above) should have immediate facility-wide testing and inspection surveys with support for corrective action to ensure COVID-19 safety guidance and considerations are being diligently implemented.

Specific, detailed guidance on community mitigation measures can be found on the [CDC website](https://www.cdc.gov).
## 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 10/9/2020; last week is 10/3-10/9, previous week is 9/26-9/30.
- **Testing:** CELR (COVID-19 Electronic Lab Reporting) state health department-reported data through 10/7/2020. Last week is 10/1-10/7, previous week is 9/24-9/30.
- **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 10/7/2020.
- **SNFs:** Skilled nursing facilities. National Healthcare Safety Network. Data are reported separately for cases among residents and staff. Last week is 9/28-10/4, previous week is 9/21-9/27.

### Pennsylvania State Report | 10.11.2020

<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>8,113 (63)</td>
<td>+15%</td>
<td>21,728 (70)</td>
<td>327,190 (100)</td>
</tr>
<tr>
<td>(Rate per 100,000)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Viral (RT-PCR) Lab Test Positivity Rate</strong></td>
<td>3.9%</td>
<td>+0.1%*</td>
<td>4.1%</td>
<td>5.8%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total Viral (RT-PCR) Lab Tests (Tests per 100,000)</strong></td>
<td>224,773** (1,756)</td>
<td>+9%**</td>
<td>621,944** (2,016)</td>
<td>6,936,223** (2,113)</td>
</tr>
<tr>
<td><strong>COVID-19 Deaths</strong></td>
<td>134 (1.0)</td>
<td>+35%</td>
<td>303 (1.0)</td>
<td>4,908 (1.5)</td>
</tr>
<tr>
<td>(Rate per 100,000)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SNFs with ≥1 New Resident COVID-19 Case</strong></td>
<td>7% (13%)</td>
<td>+0%*</td>
<td>8% (15%)</td>
<td>10% (21%)</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>3%</td>
<td>+0%*</td>
<td>3%</td>
<td>4%</td>
</tr>
</tbody>
</table>

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### State Report
- **Pennsylvania**
- **COVID-19**
- **State Report | 10.11.2020**
- **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 10/9/2020; last week is 10/3-10/9, previous week is 9/26-9/30.
- **Testing:** CELR (COVID-19 Electronic Lab Reporting) state health department-reported data through 10/7/2020. Last week is 10/1-10/7, previous week is 9/24-9/30.
- **Mobility:** 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 10/7/2020.
- **SNFs:** Skilled nursing facilities. National Healthcare Safety Network. Data are reported separately for cases among residents and staff. Last week is 9/28-10/4, previous week is 9/21-9/27.
PENNSYLVANIA
STATE REPORT | 10.11.2020
COVID-19 COUNTY AND METRO ALERTS*
Top 12 shown in table (full lists below)

<table>
<thead>
<tr>
<th>METRO AREA (CBSA) LAST WEEK</th>
<th>COUNTY LAST WEEK</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOCALITIES IN RED ZONE</td>
<td>LOCALITIES IN ORANGE ZONE</td>
</tr>
<tr>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>■ (+0)</td>
<td>▼ (-2)</td>
</tr>
<tr>
<td>N/A</td>
<td>Lebanon</td>
</tr>
</tbody>
</table>

LOCALITIES IN ORANGE ZONE
1 ▼ (-2) Lebanon

LOCALITIES IN YELLOW ZONE
9 ▲ (+3) State College Reading Harrisburg-Carlisle Sunbury Pottsville Indiana Sayre Huntingdon New Castle
14 ▲ (+5) Centre Berks Westmoreland Lackawanna Dauphin Northumberland Schuylkill Indiana Bradford Huntingdon Lawrence Montour

Change from previous week’s alerts: ▲ Increase ■ Stable ▼ Decrease

All Yellow Counties: Centre, Berks, Westmoreland, Lackawanna, Dauphin, Northumberland, Schuylkill, Indiana, Bradford, Huntingdon, Lawrence, Montour, Perry, Clarion

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

Note: Lists of red, orange, 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 10/9/2020; last week is 10/3 - 10/9, three weeks is 9/19 - 10/9.

Testing: CELR (COVID-19 Electronic Lab Reporting) state health department-reported data through 10/7/2020. Last week is 10/1 - 10/7.
NEW CASES

COVID-19 CASES

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

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 10/9/2020.
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 10/9/2020. Last 3 weeks is 9/19 - 10/9.
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 100,000

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 10/9/2020. Last week is 10/3 - 10/9, previous week is 9/26 - 10/2.

Testing: CELR (COVID-19 Electronic Lab Reporting) state health department-reported data through 10/7/2020. Last week is 10/1 - 10/7, previous week is 9/24 - 9/30.
**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 10/9/2020. Last week is 10/3 - 10/9; the week one month before is 9/5 - 9/11; the week two months before is 8/8 - 8/14; the week three months before is 7/11 - 7/17.
National Picture

VIRAL (RT-PCR) LAB TEST POSITIVITY LAST WEEK

Date: 10/11/2020

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

NATIONAL RANKING OF TEST POSITIVITY LAST WEEK

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

VIRAL (RT-PCR) LAB TEST POSITIVITY IN THE WEEK:

ONE MONTH BEFORE

TWO MONTHS BEFORE

THREE MONTHS 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 10/7/2020. Last week is 10/1 - 10/7; the week one month before is 9/3 - 9/9; the week two months before is 8/6 - 8/12; the week three months before is 7/9 - 7/15.
National Picture

NEW DEATHS PER 100,000 LAST WEEK

NATIONAL RANKING OF NEW DEATHS PER 100,000 LAST WEEK

NEW DEATHS PER 100,000 IN THE WEEK:

ONE MONTH BEFORE

TWO MONTHS BEFORE

THREE MONTHS 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.

Deaths: County-level data from USAFacts through 10/9/2020. Last week is 10/3 - 10/9; the week one month before is 9/5 - 9/11; the week two months before is 8/8 - 8/14; the week three months before is 7/11 - 7/17.
### 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). Values are rounded before color classification.

<table>
<thead>
<tr>
<th>Metric</th>
<th>Dark Green</th>
<th>Light Green</th>
<th>Yellow</th>
<th>Orange</th>
<th>Red</th>
</tr>
</thead>
<tbody>
<tr>
<td>New cases per 100,000 population per week</td>
<td>≤4</td>
<td>5 – 9</td>
<td>10 – 50</td>
<td>51 – 100</td>
<td>≥101</td>
</tr>
<tr>
<td>Percent change in new cases per 100,000 population</td>
<td>≤-26%</td>
<td>-25% – -11%</td>
<td>-10% – 0%</td>
<td>1% – 10%</td>
<td>≥11%</td>
</tr>
<tr>
<td>Diagnostic test result positivity rate</td>
<td>≤2.9%</td>
<td>3.0% – 4.9%</td>
<td>5.0% – 7.9%</td>
<td>8.0% – 10.0%</td>
<td>≥10.1%</td>
</tr>
<tr>
<td>Change in test positivity</td>
<td>≤-2.1%</td>
<td>-2.0% – -0.6%</td>
<td>-0.5% – 0.0%</td>
<td>0.1% – 0.5%</td>
<td>≥0.6%</td>
</tr>
<tr>
<td>Total diagnostic tests resulted per 100,000 population per week</td>
<td>≥2001</td>
<td>1001 – 2000</td>
<td>750 – 1000</td>
<td>500 – 749</td>
<td>≤499</td>
</tr>
<tr>
<td>Percent change in tests per 100,000 population</td>
<td>≥26%</td>
<td>11% – 25%</td>
<td>1% – 10%</td>
<td>-10% – 0%</td>
<td>≤-11%</td>
</tr>
<tr>
<td>COVID-19 deaths per 100,000 population per week</td>
<td>≤0.1</td>
<td>0.2 – 0.4</td>
<td>0.5 – 1.0</td>
<td>1.1 – 2.0</td>
<td>≥2.1</td>
</tr>
<tr>
<td>Percent change in deaths per 100,000 population</td>
<td>≤-26%</td>
<td>-25% – -11%</td>
<td>-10% – 0%</td>
<td>1% – 10%</td>
<td>≥11%</td>
</tr>
<tr>
<td>Skilled Nursing Facilities with at least one resident COVID-19 case, death</td>
<td>0%</td>
<td>1% – 5%</td>
<td>1% – 5%</td>
<td>1% – 5%</td>
<td>≥6%</td>
</tr>
<tr>
<td>Change in SNFs with at least one resident COVID-19 case, death</td>
<td>≤-2%</td>
<td>-1% – 1%</td>
<td>-1% – 1%</td>
<td>-1% – 1%</td>
<td>≥2%</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 17:35 EDT on 10/11/2020. 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 10/3 to 10/9; previous week data are from 9/26 to 10/2; the week one month before data are from 9/5 to 9/11.
- **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 10/1 to 10/7; previous week data are from 9/24 to 9/30; the week one month before data are from 9/3 to 9/9. HHS Protect data is recent as of 13:41 EDT on 10/11/2020. Testing data are inclusive of everything received and processed by the CELR system as of 19:00 EDT on 10/10/2020.
- **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 17:33 EDT on 10/11/2020 and is through 10/7/2020.
- **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 18:19 EDT on 10/11/2020.
- **Skilled Nursing Facilities:** National Healthcare Safety Network (NHSN). Data report resident and staff cases independently. Quality checks are performed or related indicators (e.g., changes in resident and staff cases). National Healthcare Safety Network (NHSN). Data report resident and staff cases independently. Quality checks are performed or related indicators (e.g., changes in resident and staff cases). Data are anonymized and provided at the locality level. Data is recent as of 17:33 EDT on 10/11/2020 and is through 10/7/2020.
- **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.”