



## IOWA

STATE REPORT

11.01.2020

Issue 20

### SUMMARY

- Iowa is in the red zone for cases, indicating 101 or more new cases per 100,000 population, with the 6th highest rate in the country. Iowa is in the red zone for test positivity, indicating a rate at or above 10.1%, with the 5th highest rate in the country.
- Iowa has seen an increase in new cases and an increase in test positivity.
- The following three counties had the highest number of new cases over the last 3 weeks: 1. Polk County, 2. Dubuque County, and 3. Linn County. These counties represent 22.8% of new cases in Iowa.
- 99% of all counties in Iowa have moderate or high levels of community transmission (yellow, orange, or red zones), with 83% having high levels of community transmission (red zone).
- During the week of Oct 19 - Oct 25, 12% of nursing homes had at least one new resident COVID-19 case, 33% had at least one new staff COVID-19 case, and 5% had at least one new resident COVID-19 death.
- Iowa had 380 new cases per 100,000 population, compared to a national average of 165 per 100,000.
- Between Oct 24 - Oct 30, on average, 94 patients with confirmed COVID-19 and 32 patients with suspected COVID-19 were reported as newly admitted each day to hospitals in Iowa. An average of greater than 95% of hospitals reported either new confirmed or new suspected COVID patients each day during this period.

### RECOMMENDATIONS

- As you can see from the time sequence of maps at the back of your packet, there is a continued increase in cases, hospitalizations, and fatalities nationally, spreading southward from the coldest climates as the population moves indoors and cases increase exponentially. These maps demonstrate the previous impact of comprehensive mitigation efforts when implemented effectively in many areas and that partial or incomplete mitigation leads to prolonged community spread, hospitalizations, and increased fatalities.
- Testing results from the state dashboard show that there is minimal asymptomatic testing; must change testing strategy to find asymptomatic individuals who are unknowingly spreading the virus.
- With daily new hospital admissions doubling over the last month, there must be clear messaging to Iowans to act now:
  - Do not gather without a mask with individuals living outside of your household.
  - Always wear a mask in public places.
  - Stop gatherings beyond immediate household until cases and test positivity decrease significantly.
- Effective practices to decrease transmission in public spaces include limiting restaurant indoor capacity to less than 50% and restricting hours until cases and test positivity decrease.
- Behaviors seem to be eroding in university towns with increasing cases and test positivity. Review testing at universities; if they have not been testing all students (on and off campus) weekly, then work with them to implement weekly testing protocols.
- Prioritize the use of Abbot BinaxNOW:
  - Implement weekly sentinel surveillance among specific populations to provide detailed trend data on where the virus is and direct mitigation efforts. Target populations should include healthcare workers, K-12 teachers, prison staff, and first responders.
  - Find asymptomatic cases to stop the source of spread; primarily test those younger than 40 years old.
- In areas with low positivity, confirm positives with RT-PCR testing. Realign contact tracing staff to support new testing approaches. Visualize integrated surveillance data on dashboard so community can see local virus changes.
- In accordance with CDC guidelines, masks must be worn by students and teachers in K-12 schools.
- Work with hospitals, chambers of commerce, and others to create and communicate PSAs on taking smart actions to stay open, including targeted messages to rural communities.
- Ensure all hospitals, including rural hospitals, have access to antivirals, antibodies, and ventilators.
- Tribal Nations: Provide Abbot BinaxNOW tests to Tribal Nations to conduct weekly testing among all of those who live or work on the reservation. Weekly testing will immediately identify positives (asymptomatic and symptomatic), who will isolate and prevent further transmission to the community.
- 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



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	STATE	STATE, % CHANGE FROM PREVIOUS WEEK	FEMA/HHS REGION	UNITED STATES
<b>NEW COVID-19 CASES (RATE PER 100,000)</b>	<b>11,979 (380)</b>	<b>+50%</b>	<b>43,731 (309)</b>	<b>542,805 (165)</b>
<b>VIRAL (RT-PCR) LAB TEST POSITIVITY RATE</b>	<b>14.4%</b>	<b>+4.0%*</b>	<b>13.9%</b>	<b>6.7%</b>
<b>TOTAL VIRAL (RT-PCR) LAB TESTS (TESTS PER 100,000)</b>	<b>79,119** (2,508**)</b>	<b>-2%**</b>	<b>234,460** (1,658**)</b>	<b>7,430,977** (2,264**)</b>
<b>COVID-19 DEATHS (RATE PER 100,000)</b>	<b>88 (2.8)</b>	<b>-8%</b>	<b>429 (3.0)</b>	<b>5,623 (1.7)</b>
<b>SNFs WITH ≥1 NEW RESIDENT COVID-19 CASE</b>	<b>12%</b>	<b>-3%*</b>	<b>17%</b>	<b>13%</b>
<b>SNFs WITH ≥1 NEW STAFF COVID-19 CASE</b>	<b>33%</b>	<b>+0%*</b>	<b>35%</b>	<b>26%</b>
<b>SNFs WITH ≥1 NEW RESIDENT COVID-19 DEATH</b>	<b>5%</b>	<b>+1%*</b>	<b>6%</b>	<b>4%</b>

\* 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 10/30/2020; previous week is 10/17 - 10/23.

**Testing:** CELR (COVID-19 Electronic Lab Reporting) state health department-reported data through 10/28/2020. Previous week is 10/15 - 10/21.

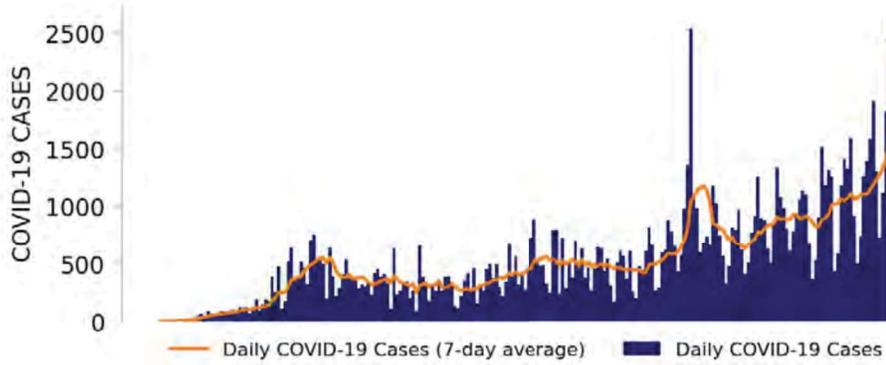
**SNFs:** Skilled nursing facilities. National Healthcare Safety Network. Data are reported separately for cases among residents and staff. Data is through 10/25/2020, previous week is 10/12-10/18. Facilities that are undergoing reporting quality review are not included in the table, but may be included in other NHSN analyses.



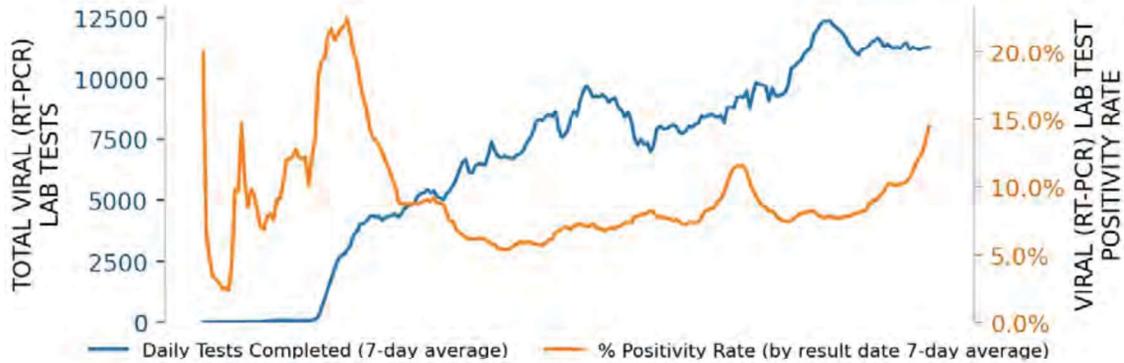
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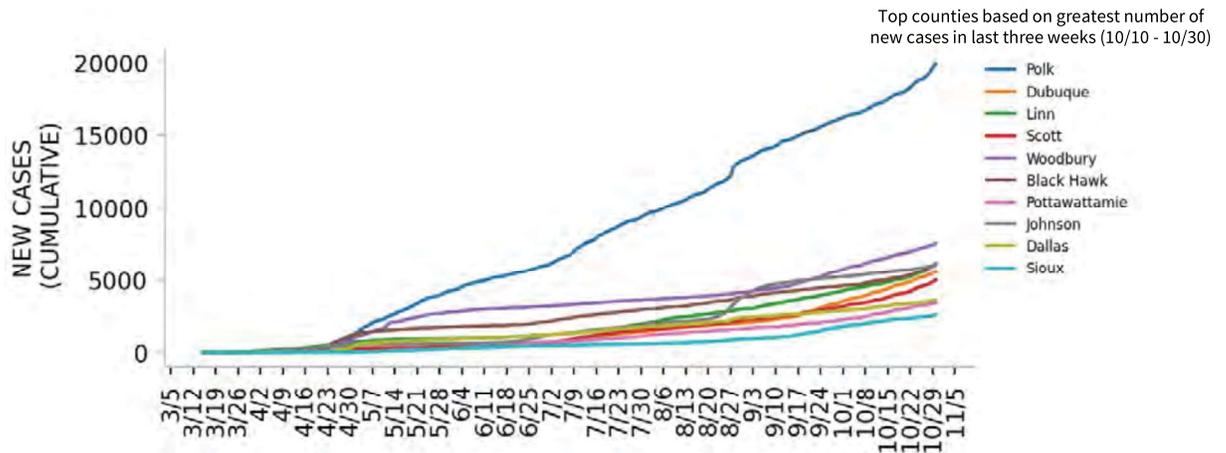
## NEW CASES



## TESTING



## TOP COUNTIES



### 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 10/30/2020.

**Testing:** CELR (COVID-19 Electronic Lab Reporting) state health department-reported data through 10/28/2020.



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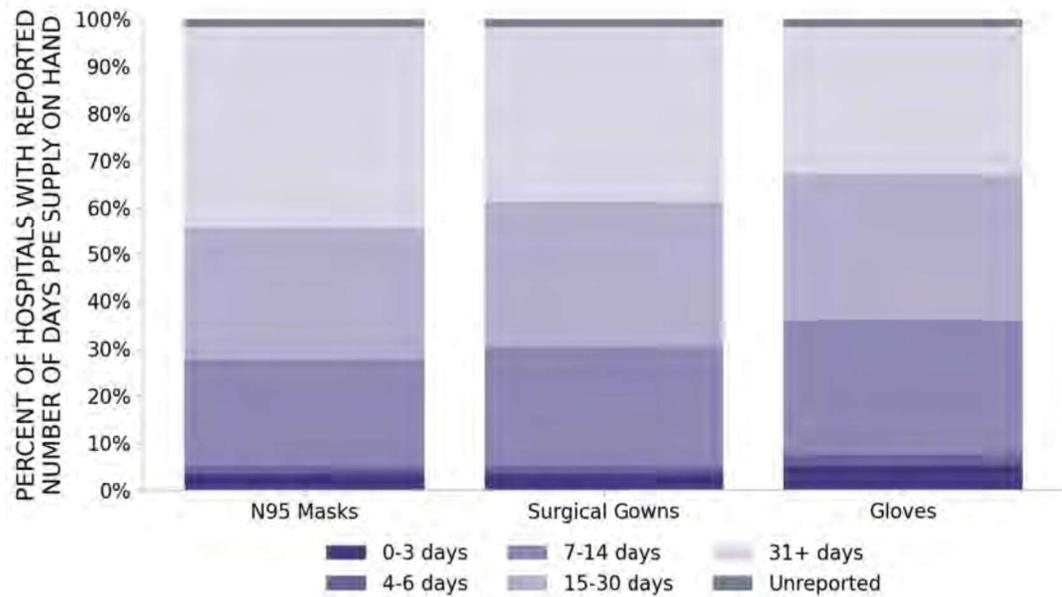
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119 hospitals are expected to report in Iowa

## HOSPITAL ADMISSIONS



## HOSPITAL PPE SUPPLIES



**DATA SOURCES** – Additional data details available under METHODS

**Hospitalizations:** Unified hospitalization dataset in HHS Protect. 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.

**PPE:** Unified hospitalization dataset in HHS Protect. 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. Values presented show the latest reports from hospitals in the week ending 10/28/2020.



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## COVID-19 COUNTY AND METRO ALERTS\*

Top 12 shown in table (full lists below)

	METRO AREA (CBSA)	COUNTIES
<b>LOCALITIES IN RED ZONE</b>	<b>21</b> ▲ (+7) Des Moines-West Des Moines Cedar Rapids Dubuque Waterloo-Cedar Falls Davenport-Moline-Rock Island Omaha-Council Bluffs Sioux City Burlington Fort Dodge Carroll Muscatine Clinton	<b>82</b> ▲ (+26) Polk Dubuque Linn Scott Woodbury Black Hawk Pottawattamie Dallas Sioux Des Moines Webster Plymouth
<b>LOCALITIES IN ORANGE ZONE</b>	<b>2</b> ▼ (-5) Ames Mason City	<b>11</b> ▼ (-10) Story Cerro Gordo Boone Winneshiek Hancock Butler Sac Appanoose Howard Franklin Ringgold
<b>LOCALITIES IN YELLOW ZONE</b>	<b>1</b> ▼ (-1) Iowa City	<b>5</b> ▼ (-14) Johnson Hamilton Poweshiek Madison Van Buren
<b>Change from previous week's alerts:</b>		▲ Increase      ■ Stable      ▼ Decrease

**All Red CBSAs:** Des Moines-West Des Moines, Cedar Rapids, Dubuque, Waterloo-Cedar Falls, Davenport-Moline-Rock Island, Omaha-Council Bluffs, Sioux City, Burlington, Fort Dodge, Carroll, Muscatine, Clinton, Marshalltown, Fort Madison-Keokuk, Oskaloosa, Pella, Storm Lake, Ottumwa, Spirit Lake, Spencer, Fairfield

**All Red Counties:** Polk, Dubuque, Linn, Scott, Woodbury, Black Hawk, Pottawattamie, Dallas, Sioux, Des Moines, Webster, Plymouth, Carroll, Muscatine, Clinton, Warren, Harrison, Marshall, Delaware, Jasper, Benton, Lee, Jackson, O'Brien, Henry, Mahaska, Marion, Cedar, Cass, Crawford, Buena Vista, Clayton, Wapello, Jones, Dickinson, Bremer, Tama, Mills, Hardin, Buchanan, Winnebago, Washington, Page, Iowa, Clay, Kossuth, Fayette, Wright, Humboldt, Allamakee, Emmet, Lyon, Adair, Shelby, Osceola, Cherokee, Guthrie, Jefferson, Grundy, Calhoun, Monroe, Mitchell, Union, Louisa, Clarke, Palo Alto, Floyd, Chickasaw, Decatur, Taylor, Montgomery, Ida, Monona, Audubon, Pocahontas, Fremont, Keokuk, Davis, Lucas, Wayne, Worth, Adams

\* 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

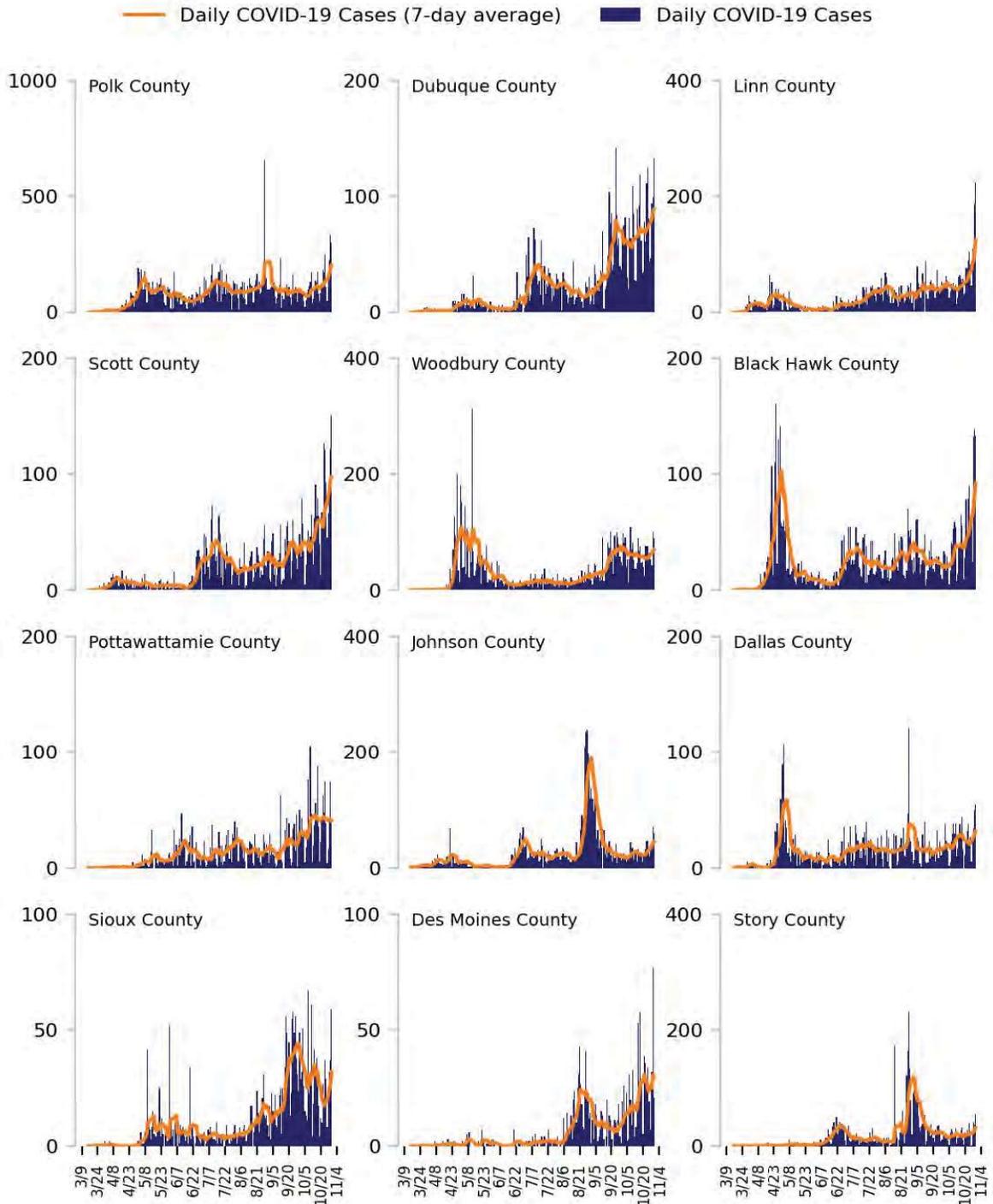
**Cases and Deaths:** State values are calculated by aggregating county-level data from USAFacts; therefore, the values may not match those reported directly by the state. Data is through 10/30/2020.

**Testing:** CELR (COVID-19 Electronic Lab Reporting) state health department-reported data through 10/28/2020.



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

TOTAL DAILY CASES



**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 10/30/2020. Last 3 weeks is 10/10 - 10/30.

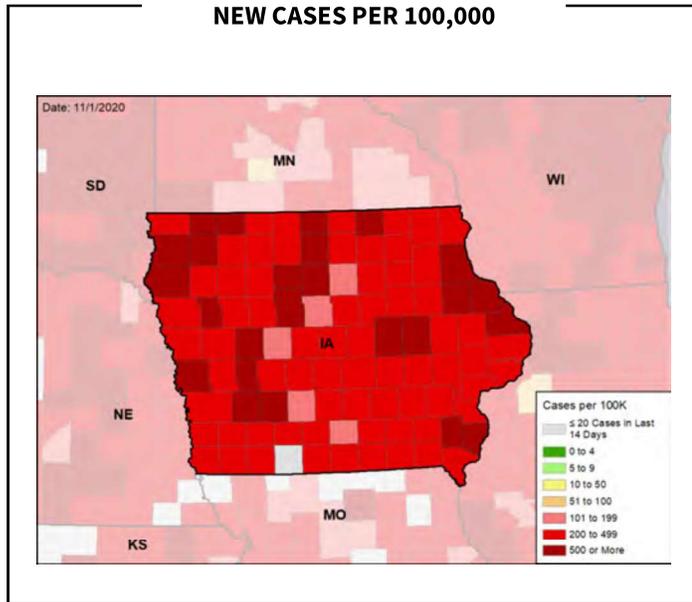


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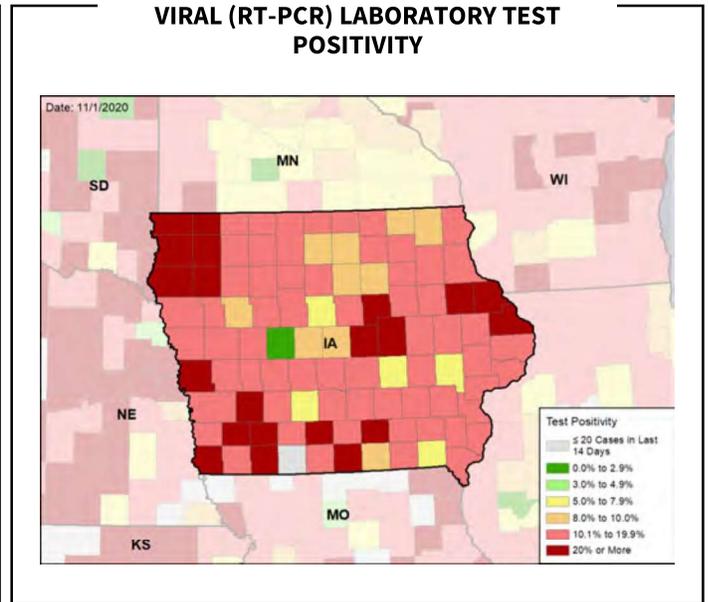
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## CASE RATES AND VIRAL LAB TEST POSITIVITY

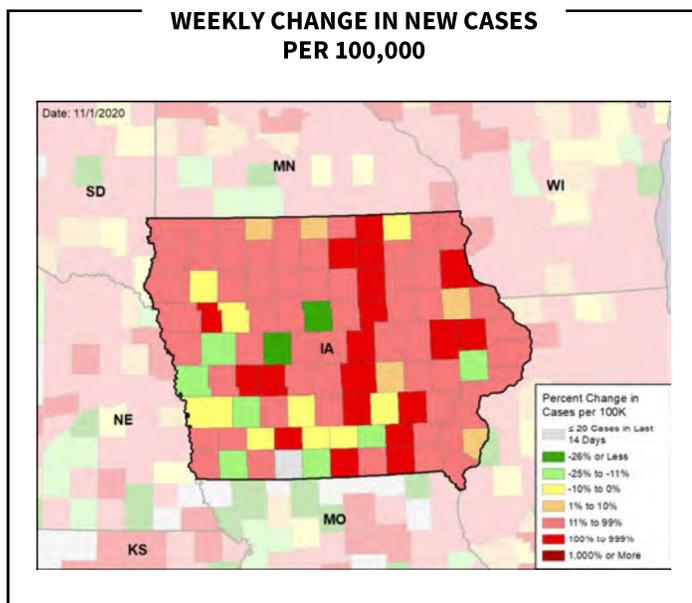
### NEW CASES PER 100,000



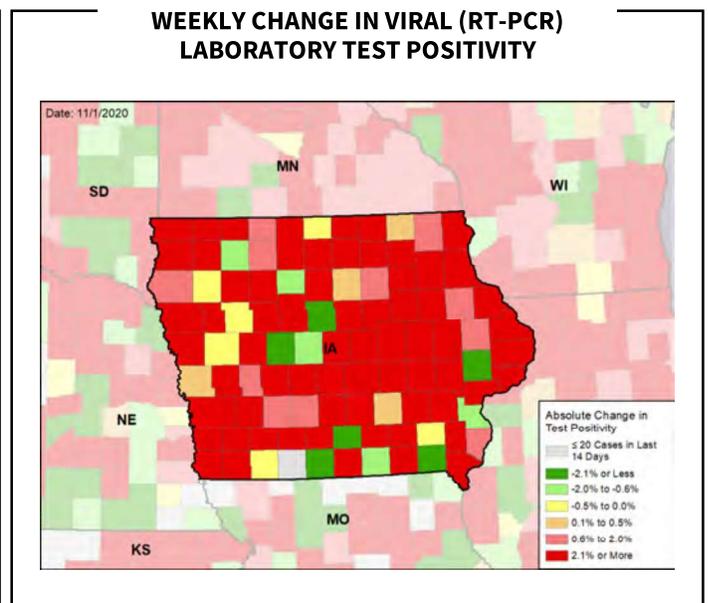
### VIRAL (RT-PCR) LABORATORY TEST POSITIVITY



### 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 10/30/2020. Previous week is 10/17 - 10/23.

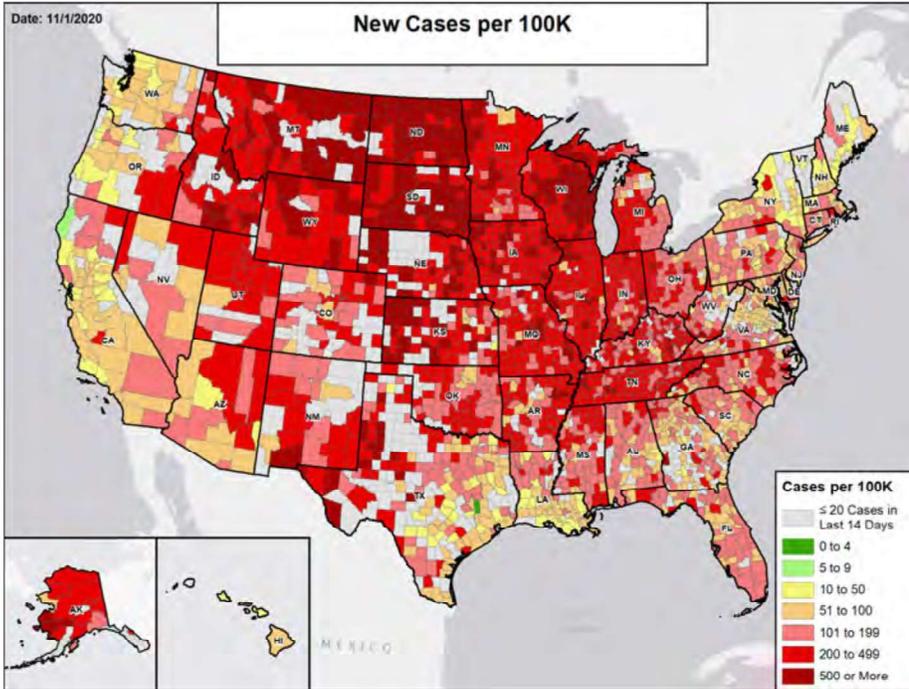
**Testing:** CELR (COVID-19 Electronic Lab Reporting) state health department-reported data through 10/28/2020. Previous week is 10/15 - 10/21.



# National Picture

NEW CASES PER 100,000

NATIONAL RANKING OF NEW CASES PER 100,000



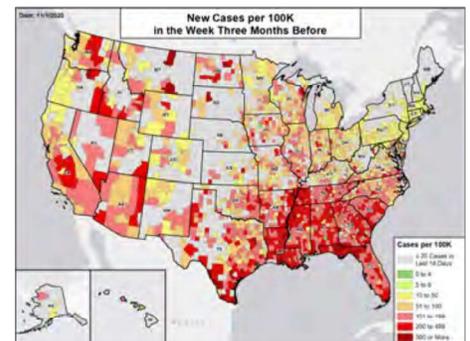
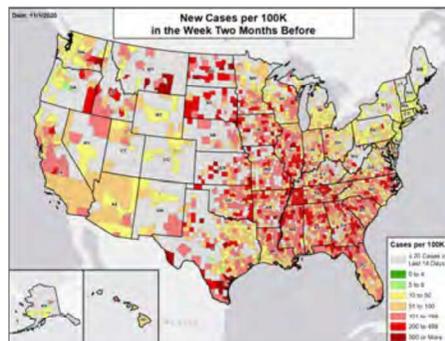
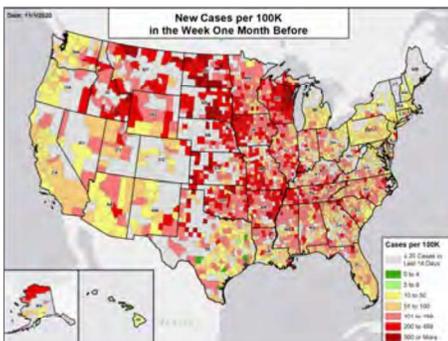
National Rank	State	National Rank	State
1	ND	27	NC
2	SD	28	TX
3	WI	29	WV
4	MT	30	CT
5	WY	31	SC
6	IA	32	FL
7	AK	33	AL
8	NE	34	MA
9	UT	35	NJ
10	ID	36	PA
11	KS	37	AZ
12	IL	38	DE
13	MN	39	GA
14	NM	40	VA
15	IN	41	MD
16	TN	42	DC
17	RI	43	CA
18	KY	44	LA
19	MO	45	OR
20	AR	46	NY
21	CO	47	WA
22	MI	48	NH
23	NV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

NEW CASES 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.

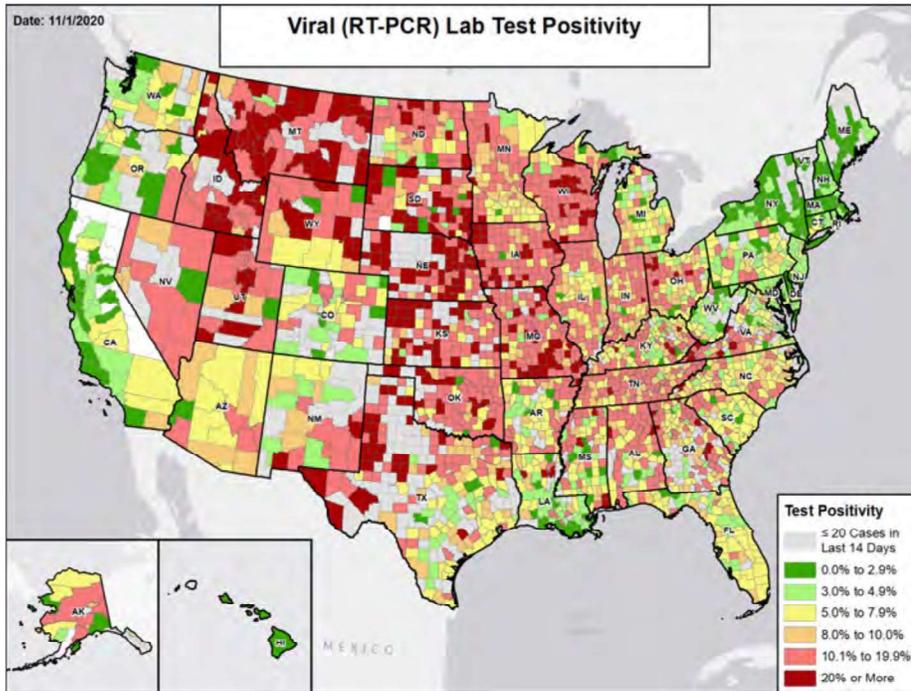
**Cases:** County-level data from USAFacts through 10/30/2020. The week one month before is 9/26 - 10/2; the week two months before is 8/29 - 9/4; the week three months before is 8/1 - 8/7.



# National Picture

## VIRAL (RT-PCR) LAB TEST POSITIVITY

## NATIONAL RANKING OF TEST POSITIVITY



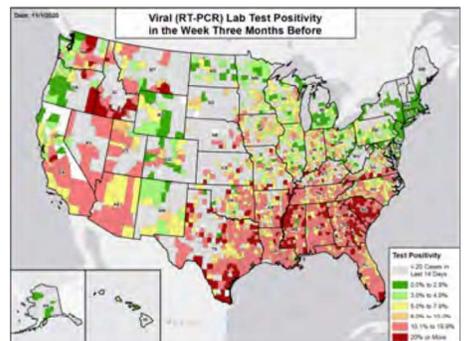
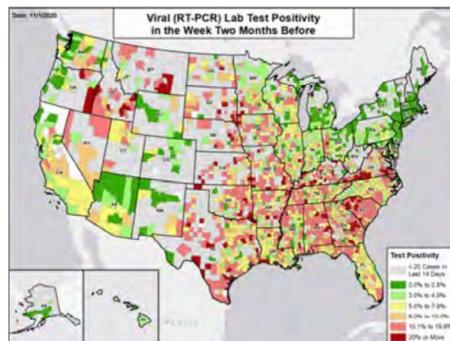
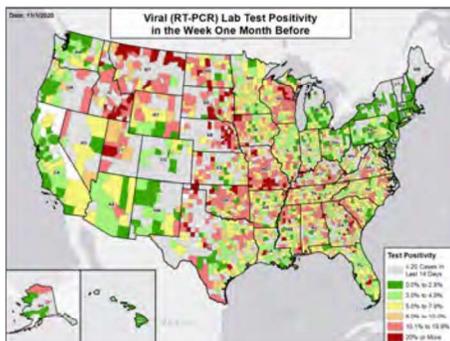
National Rank	State	National Rank	State
1	MT	27	SC
2	SD	28	MI
3	ID	29	CO
4	UT	30	NC
5	IA	31	OR
6	KS	32	AZ
7	NE	33	FL
8	WI	34	PA
9	ND	35	OH
10	MO	36	NJ
11	OK	37	CT
12	NV	38	LA
13	NM	39	MD
14	TN	40	WV
15	TX	41	WA
16	IN	42	CA
17	MN	43	DE
18	AL	44	RI
19	KY	45	NH
20	MS	46	HI
21	IL	47	MA
22	WY	48	NY
23	AK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

## 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.

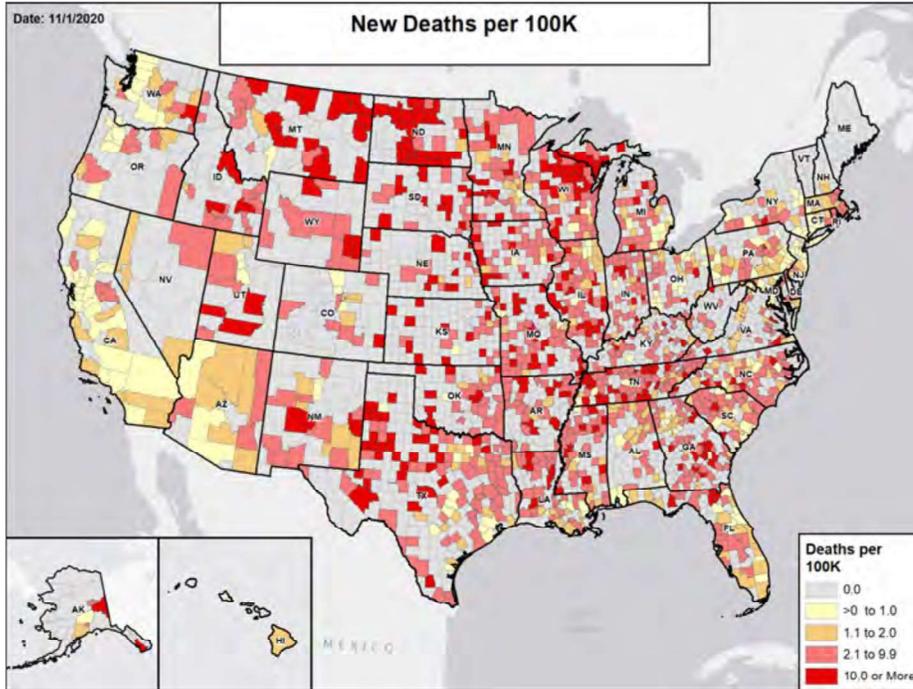
**Testing:** Combination of CELR (COVID-19 Electronic Lab Reporting) state health department-reported data and HHS Protect laboratory data (provided directly to Federal Government from public health labs, hospital labs, and commercial labs) through 10/28/2020. The week one month before is 9/24 - 9/30; the week two months before is 8/27 - 9/2; the week three months before is 7/30 - 8/5.



# National Picture

### NEW DEATHS PER 100,000

### NATIONAL RANKING OF NEW DEATHS PER 100,000



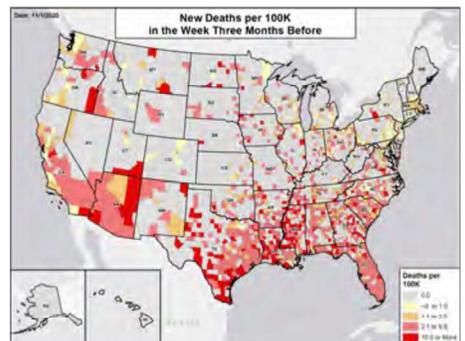
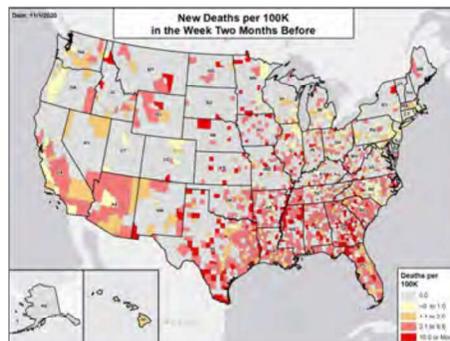
National Rank	State	National Rank	State
1	ND	27	MI
2	MT	28	KY
3	SD	29	AK
4	WI	30	FL
5	TN	31	WV
6	AR	32	AL
7	MO	33	NV
8	ID	34	PA
9	WY	35	VA
10	MS	36	CO
11	IN	37	CT
12	NE	38	UT
13	IA	39	MD
14	DE	40	AZ
15	SC	41	WA
16	IL	42	OH
17	OK	43	NH
18	RI	44	CA
19	NM	45	NJ
20	MN	46	NY
21	MA	47	HI
22	NC	48	OR
23	LA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

### 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 10/30/2020. The week one month before is 9/26 - 10/2; the week two months before is 8/29 - 9/4; the week three months before is 8/1 - 8/7.



# 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). Values are rounded before color classification.

Metric	Dark Green	Light Green	Yellow	Orange	Red
New cases per 100,000 population per week	≤4	5 – 9	10 – 50	51 – 100	≥101
Percent change in new cases per 100,000 population	≤-26%	-25% – -11%	-10% – 0%	1% – 10%	≥11%
Diagnostic test result positivity rate	≤2.9%	3.0% – 4.9%	5.0% – 7.9%	8.0% – 10.0%	≥10.1%
Change in test positivity	≤-2.1%	-2.0% – -0.6%	-0.5% – 0.0%	0.1% – 0.5%	≥0.6%
Total diagnostic tests resulted per 100,000 population per week	≥2001	1001 – 2000	750 – 1000	500 – 749	≤499
Percent change in tests per 100,000 population	≥26%	11% – 25%	1% – 10%	-10% – 0%	≤-11%
COVID-19 deaths per 100,000 population per week	0.0		0.1 – 1.0	1.1 – 2.0	≥2.1
Percent change in deaths per 100,000 population	≤-26%	-25% – -11%	-10% – 0%	1% – 10%	≥11%
Skilled Nursing Facilities with at least one resident COVID-19 case, death	0%		1% – 5%		≥6%
Change in SNFs with at least one resident COVID-19 case, death	≤-2%		-1% – 1%		≥2%

## 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 18:13 EST on 11/01/2020. 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 10/24 to 10/30; previous week data are from 10/17 to 10/23; the week one month before data are from 9/26 to 10/2.
- **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 10/22 to 10/28; previous week data are from 10/15 to 10/21; the week one month before data are from 9/24 to 9/30. HHS Protect data is recent as of 10:22 EST on 11/01/2020. Testing data are inclusive of everything received and processed by the CELR system as of 19:00 EDT on 10/31/2020.
- **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 18:40 EST on 11/01/2020.
- **Hospital PPE:** 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. Data is recent as of 18:58 EDT on 10/31/2020.
- **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 10/19-10/25, previous week is 10/12-10/18. Facilities that are undergoing reporting quality review are not included in the table, but may be included in other NHSN analyses.
- **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.”