STATE PROFILE REPORT
12.17.2021

ARIZONA

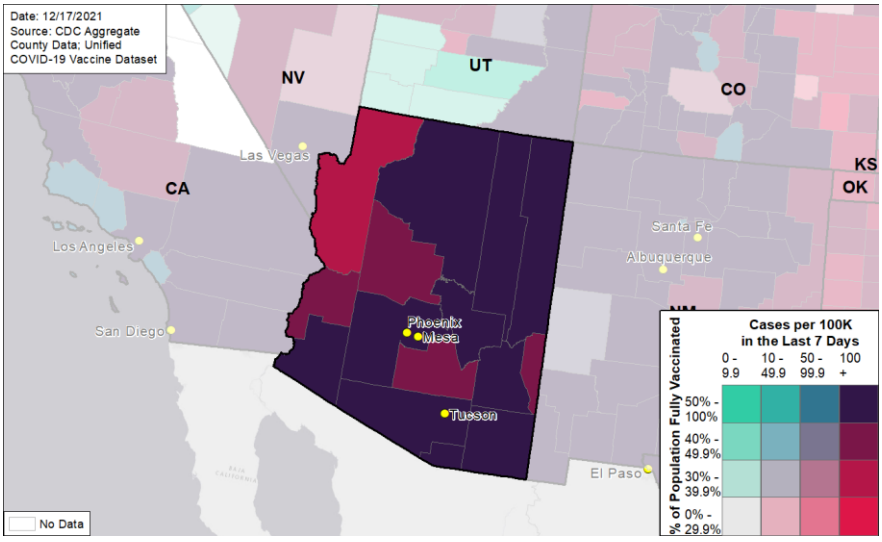
STATE SYNOPSIS

	LAST WEEK	CHANGE FROM PREVIOUS WEEK
RATE OF NEW COVID-19 CASES PER 100,000	**297**	**-24%**
NUCLEIC ACID AMPLIFICATION TEST (NAAT) POSITIVITY RATE	**12.7%**	**-1.1%**
NEW CONFIRMED COVID-19 HOSPITAL ADMISSIONS / 100 BEDS	**13.5**	**-6%**
RATE OF NEW COVID-19 DEATHS PER 100,000	**6.7**	**+4%**
COMMUNITY TRANSMISSION LEVEL	**HIGH TRANSMISSION**	
PEOPLE RECEIVED AT LEAST 1 DOSE	**4,816,621 people**	**66.2% of total pop.**
PEOPLE 5-11 RECEIVED AT LEAST 1 DOSE	**115,890 people**	**18.0% of 5-11 pop.**
PEOPLE 12+ RECEIVED AT LEAST 1 DOSE	**4,700,038 people**	**75.7% of 12+ pop.**
PEOPLE FULLY VACCINATED	**4,096,251 people**	**56.3% of total pop.**
PEOPLE 12+ FULLY VACCINATED	**4,047,454 people**	**65.2% of 12+ pop.**
PEOPLE 65+ RECEIVED BOOSTER	**519,228 people**	**47.7% of fully vaccinated 65+ pop.**

SARS-CoV-2 Variants of Concern

- The following proportions of variants of concern have been identified in Arizona: Delta (B.1.617.2, AY.*) 98.5%

COVID-19 Reported Cases per 100,000 Population (last 7 days) and Percent of Total Population Fully Vaccinated



Starting 11/1/21, several states shifted to the use of report date; this change may result in fluctuations of weekly values and/or week-on-week changes.

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. All inquiries and requests for information should be directed to https://wwwn.cdc.gov/dcs/ContactUs/Form.

COVID-19

ARIZONA

STATE PROFILE REPORT | 12.17.2021

	STATE	STATE, % CHANGE FROM PREVIOUS WEEK	FEMA/HHS REGION	UNITED STATES
NEW COVID-19 CASES (RATE PER 100,000)	21,648 (297)	-24%	72,841 (141)	856,078 (258)
NUCLEIC ACID AMPLIFICATION TEST (NAAT) POSITIVITY RATE	12.7%	-1.1%*	3.6%	7.5%
TOTAL NAAT VOLUME (TESTS PER 100,000)	171,833** (2,361**)	-1%**	2,499,944** (4,849**)	10,640,102** (3,205**)
NEW COVID-19 DEATHS (RATE PER 100,000)	490 (6.7)	+4%	1,076 (2.1)	8,259 (2.5)
CONFIRMED NEW COVID-19 HOSPITAL ADMISSIONS (RATE PER 100 BEDS)	1,950 (13.5)	-9% (-6%)	5,239 (6.1)	54,670 (7.8)
NUMBER OF HOSPITALS WITH SUPPLY SHORTAGES (PERCENT)	5 (6%)	+400%	27 (5%)	281 (5%)
NUMBER OF HOSPITALS WITH STAFF SHORTAGES (PERCENT)	37 (41%)	+9%	149 (28%)	998 (19%)
PEOPLE 5-11 INITIATING VACCINATION (PERCENT OF POPULATION)	14,339 (2.2%)	-17.5%	104,066 (2.3%)	591,190 (2.1%)
PEOPLE 12+ INITIATING VACCINATION (PERCENT OF POPULATION)	36,220 (0.6%)	-8.3%	336,417 (0.8%)	2,040,149 (0.7%)
PEOPLE 12-17 INITIATING VACCINATION (PERCENT OF POPULATION)	3,742 (0.7%)	+9.6%	24,186 (0.6%)	131,211 (0.5%)
PEOPLE 18+ INITIATING VACCINATION (PERCENT OF POPULATION)	32,478 (0.6%)	-10.0%	312,231 (0.8%)	1,908,938 (0.7%)
PEOPLE 65+ RECEIVING BOOSTER DOSE	30,418	-21.6%	192,642	1,515,987

* 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

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 aggregated data provided by the states to the CDC. Historical reports of cases and deaths exceeding 1% of the total new cases or deaths reported in the US that day have been excluded. Data are through 12/16/2021; previous week is from 12/3 to 12/9.

Testing: CELR (COVID-19 Electronic Lab Reporting) state health department-reported data. The term Nucleic Acid Amplification Test (NAAT) includes RT-PCR and other testing methods. Test positivity through 12/14/2021; previous week is from 12/1 to 12/7. Test volume through 12/10/2021; previous week is from 11/27 to 12/3.

Admissions: Unified Hospitals Dataset in HHS Protect. Data are through 12/15, previous week is from 12/2 to 12/8.

Shortages: Unified Hospitals Dataset in HHS Protect. Values presented show the latest reports from hospitals in the week ending 12/15/2021 for staffing and the week ending 12/15/2021 for supplies.

Vaccinations: CDC COVID Data Tracker. Data includes the Moderna, Pfizer BioNTech, and J&J/Janssen COVID-19 vaccines and reflects current data available as of 11:28 EST on 12/17/2021. Data last updated 06:00 EST on 12/17/2021. People initiating vaccination include those who have received the first dose of the Moderna or Pfizer-BioNTech vaccine as well as those who have received one dose of the J&J/Janssen vaccine. Population denominators reflect the subset of the population of the corresponding age range.

METHODS: Details available on last two pages of report.

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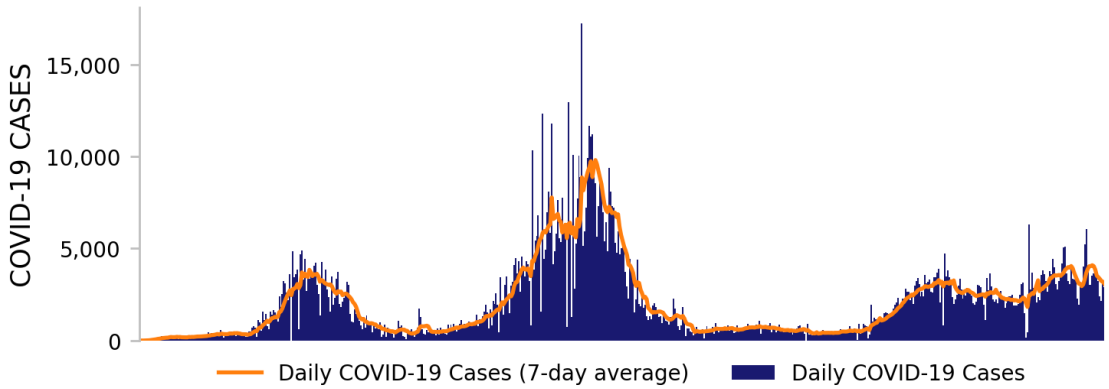
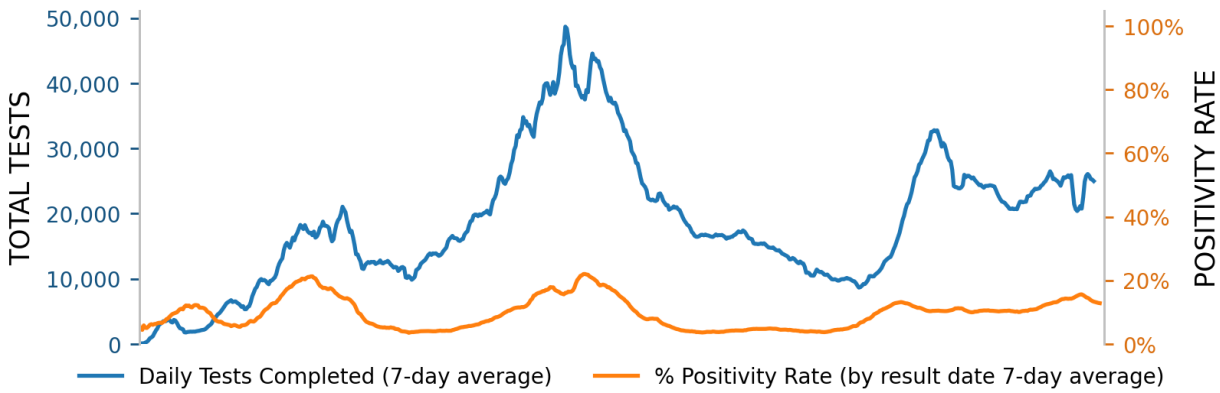
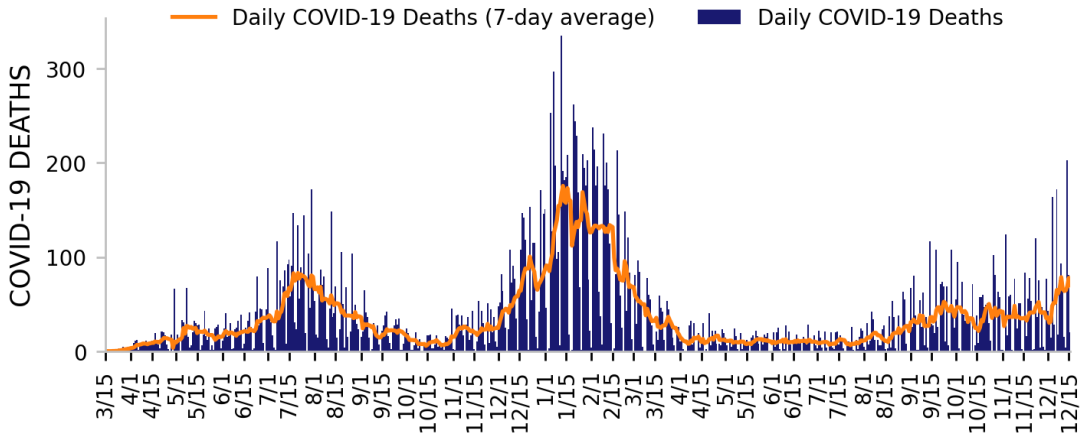
NEW CASES



TESTING



NEW DEATHS



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. All three trends share the same horizontal axis shown on the bottom figure.

Cases and Deaths: State values are aggregated data provided by the states to the CDC. Historical cases and deaths exceeding 1% of the total new cases or deaths reported in the US that day have been excluded. Data are through 12/16/2021.

Testing: CELR (COVID-19 Electronic Lab Reporting) state health department-reported data. Test positivity through 12/14/2021. Test volume through 12/10/2021.

METHODS: Details available on last two pages of report.

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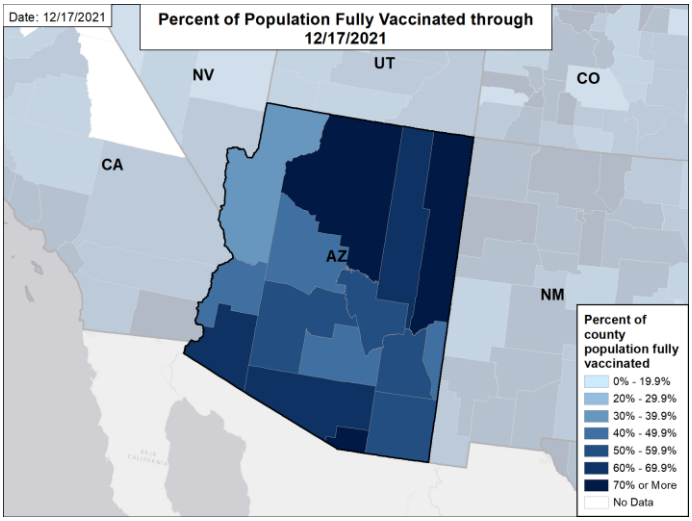
STATE VACCINATION SUMMARY

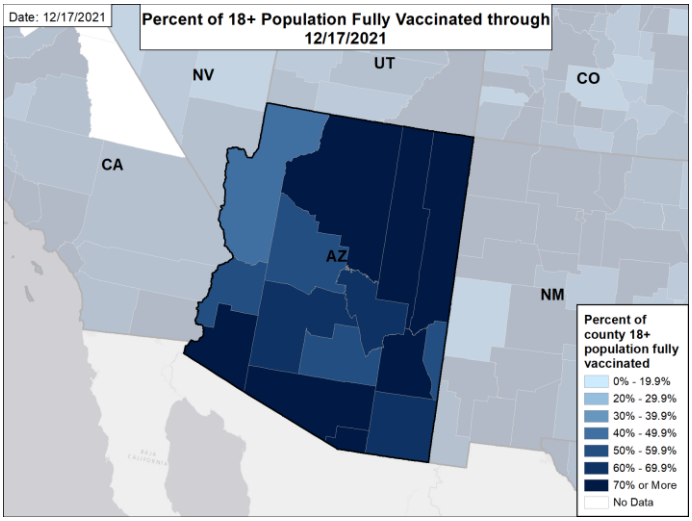
DOSES DELIVERED	12,410,790 170,508 per 100k	DOSES ADMINISTERED	10,170,701 139,732 per 100k

	RECEIVED AT LEAST ONE DOSE	FULLY VACCINATED	RECEIVED BOOSTER DOSE
ALL PEOPLE	4,816,621 66.2% of total population	4,096,251 56.3% of total population	1,071,940 26.2% of fully vaccinated total pop
PEOPLE 5-11	115,890 18.0% of 5-11 population	48,509 7.5% of 5-11 population	N/A
PEOPLE 12-17	343,381 60.5% of 12-17 population	278,975 49.2% of 12-17 population	N/A
PEOPLE 18+	4,356,657 77.3% of 18+ population	3,768,479 66.8% of 18+ population	1,069,488 28.4% of fully vaccinated 18+ pop
PEOPLE 65+	1,239,825 94.7% of 65+ population	1,088,128 83.2% of 65+ population	519,228 47.7% of fully vaccinated 65+ pop

PERCENT OF POPULATION FULLY VACCINATED



PERCENT OF 18+ POPULATION FULLY VACCINATED



DATA SOURCES

County reporting completeness for Arizona is 97.7%.

Vaccinations: CDC COVID Data Tracker. Data includes the Moderna, Pfizer BioNTech, and J&J/Janssen COVID-19 vaccines and reflects current data available as of 11:28 EST on 12/17/2021. Data last updated 06:00 EST on 12/17/2021. Persons who are fully vaccinated include those who have received both doses of the Moderna or Pfizer-BioNTech vaccine as well as those who have received one dose of the J&J/Janssen vaccine. Allocations are made pro rata (equal based on population) from which jurisdictions are then to order.

METHODS: Details available on last two pages of report.

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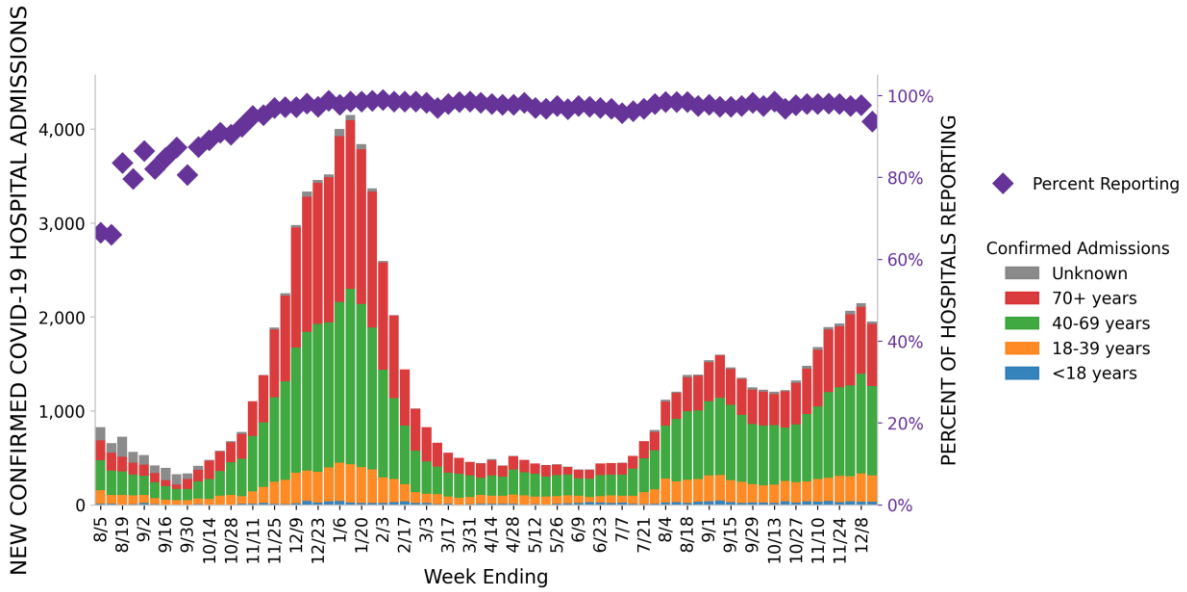
90 hospitals are expected to report in Arizona

HOSPITAL ADMISSIONS



HOSPITAL PPE SUPPLIES

DATA SOURCES

Hospitalizations: Unified Hospitals Dataset in HHS Protect. These data exclude psychiatric, rehabilitation, and religious non-medical hospitals. Hospitals explicitly identified by states/regions as those from which we should not expect reports were excluded from the percent reporting figure. Data are through 12/15/2021.

PPE: Unified Hospitals Dataset in HHS Protect. These data exclude psychiatric, rehabilitation, and religious non-medical hospitals. Values presented show the latest reports from hospitals in the week ending 12/15/2021.

METHODS: Details available on last two pages of report.

ARIZONA

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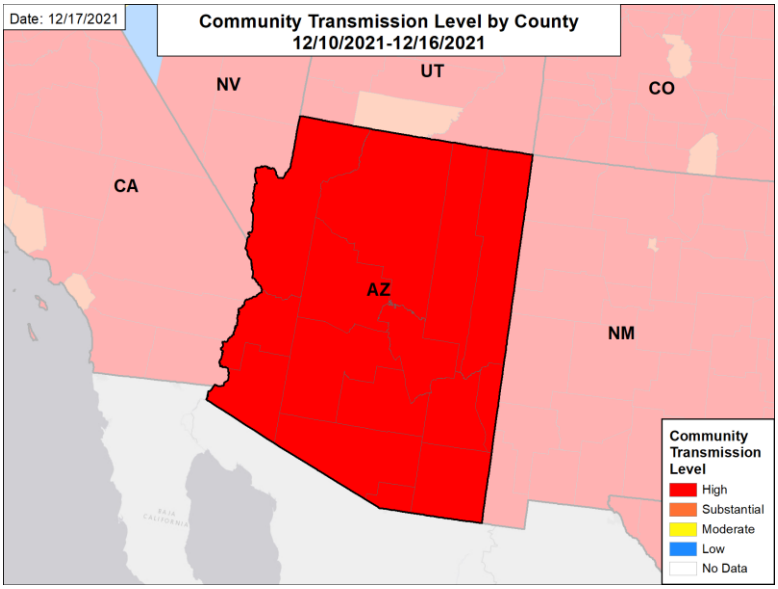
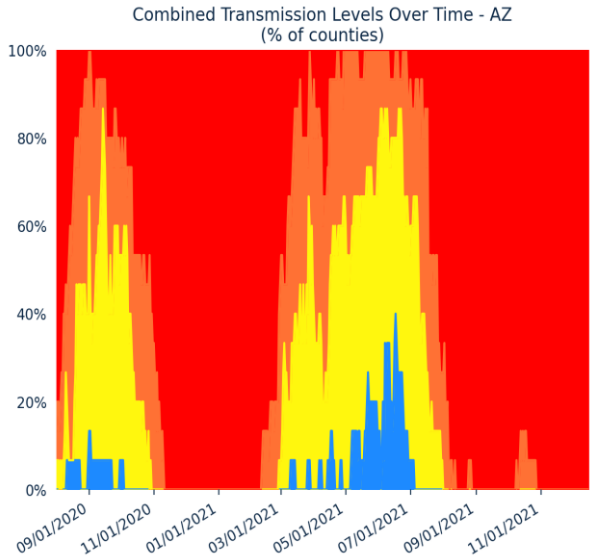
COMMUNITY TRANSMISSION BY COUNTY AND METRO AREA





COUNTIES AND METRO AREAS BY COMBINED TRANSMISSION LEVEL

CATEGORY	LOW TRANSMISSION BLUE	MODERATE TRANSMISSION YELLOW	SUBSTANTIAL TRANSMISSION ORANGE	HIGH TRANSMISSION RED
# OF COUNTIES (CHANGE)	0 (0)	0 (0)	0 (0)	15 (0)
# OF METRO AREAS (CHANGE)	0 (0)	0 (0)	0 (0)	11 (0)

All Red Counties: Maricopa, Pima, Pinal, Yavapai, Navajo, Mohave, Cochise, Coconino, Yuma, Gila, Apache, Santa Cruz, Graham, La Paz, Greenlee
All Red CBSAs: Phoenix-Mesa-Chandler, Tucson, Prescott Valley-Prescott, Show Low, Lake Havasu City-Kingman, Sierra Vista-Douglas, Flagstaff, Yuma, Payson, Nogales, Safford

DATA SOURCES
Maps and figures reflect 7-day average of data from 12/10-12/16 (cases), 12/8-12/14 (tests). Metro areas and counties are listed in order of the total number of cases in the last week from largest to smallest.
Note: Most recent days may have incomplete reporting.
Cases: County-level data are from a CDC managed aggregate county dataset compiled from state and local health departments; therefore, the values may not match those reported directly by the state. Data are through 12/16/2021.
Testing: CELR (COVID-19 Electronic Lab Reporting) state health department-reported data. Data are through 12/14/2021.
Combined Transmission Level: If the two indicators suggest different transmission levels, the higher level is selected. Previous week transmission levels are computed based on current data. See CDC COVID Data Tracker.
METHODS: Details available on last two pages of report.

ARIZONA

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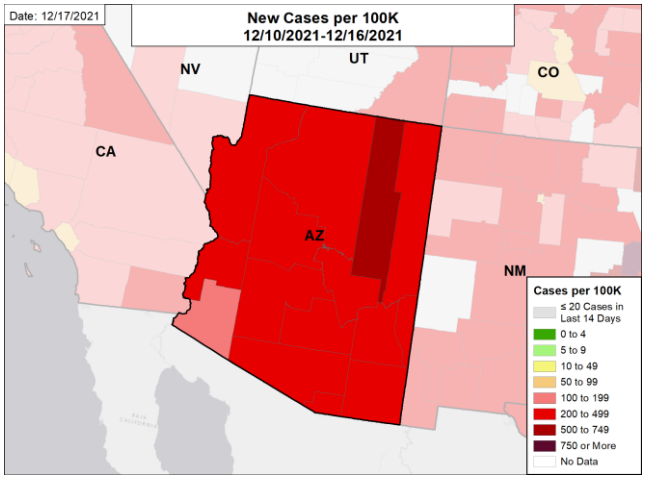
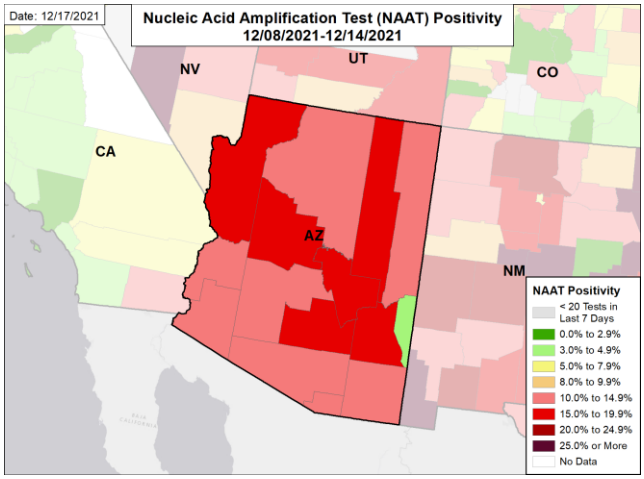
CASE RATES, NAAT POSITIVITY, HOSPITAL ADMISSIONS, AND DEATH RATES

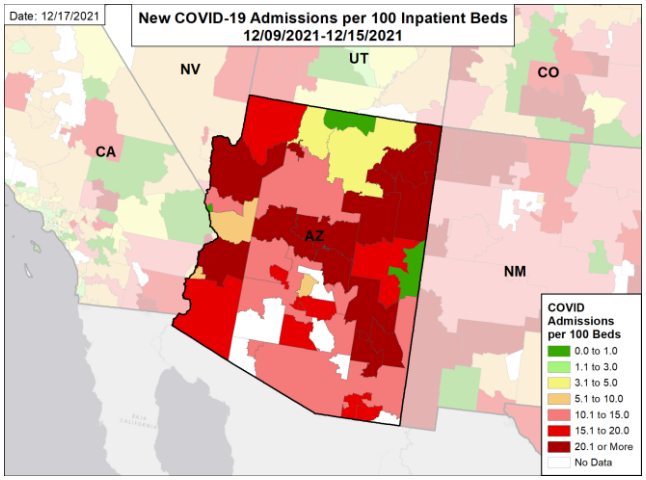
NEW CASES PER 100,000



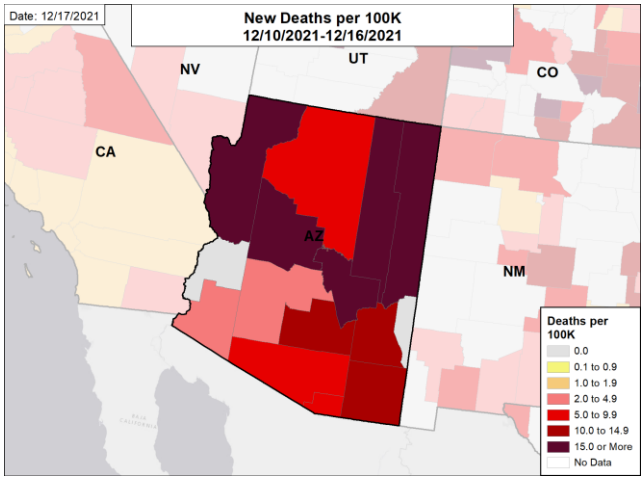
NUCLEIC ACID AMPLIFICATION TEST (NAAT) POSITIVITY



CONFIRMED NEW COVID-19 ADMISSIONS PER 100 INPATIENT BEDS



NEW DEATHS PER 100,000



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 and Deaths: County-level data are from a CDC managed aggregate county dataset compiled from state and local health departments; therefore, the values may not match those reported directly by the state. Data are through 12/16/2021.

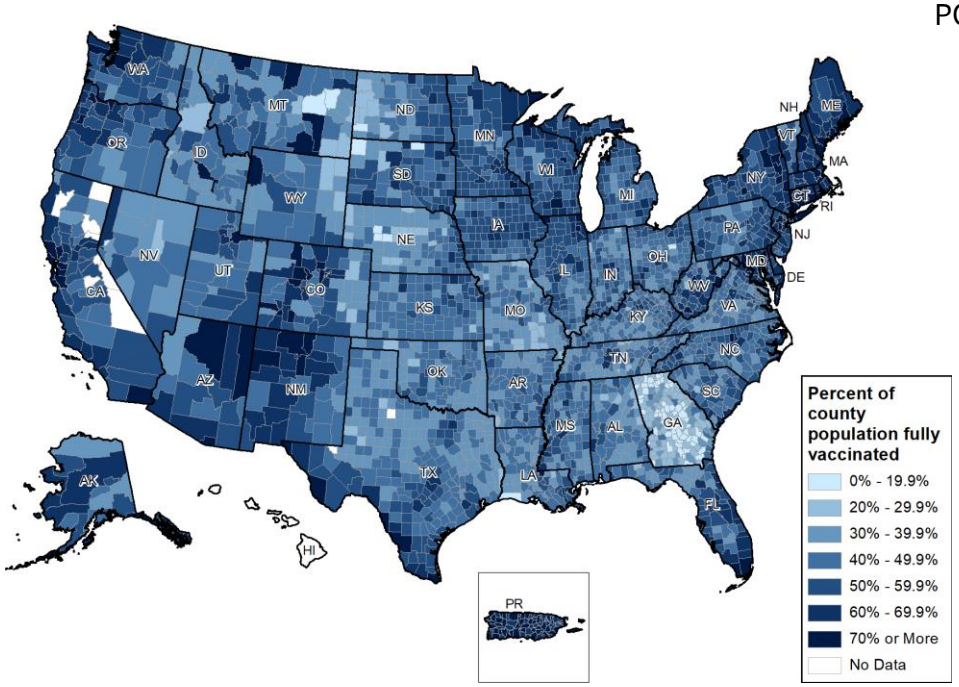
Testing: CELR (COVID-19 Electronic Lab Reporting) state health department-reported data. The term Nucleic Acid Amplification Test (NAAT) includes RT-PCR and other testing methods. Data are through 12/14/2021.

Hospitalizations: Unified Hospitals Dataset in HHS Protect. Totals include only confirmed COVID-19 admissions. HSA indicates Hospital Service Area. Hospitals are assigned to HSA based on zip code where known. In some areas, reports are aggregates of multiple facilities that cross HSA boundaries; in these cases, values are assigned based on the zip code for the aggregate. Data are through 12/15/2021.

METHODS: Details available on last two pages of report.

National Picture: Vaccinations

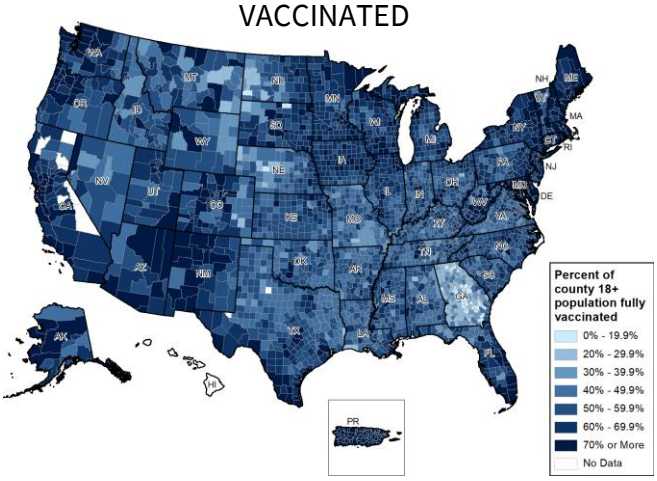
PERCENT OF POPULATION FULLY VACCINATED



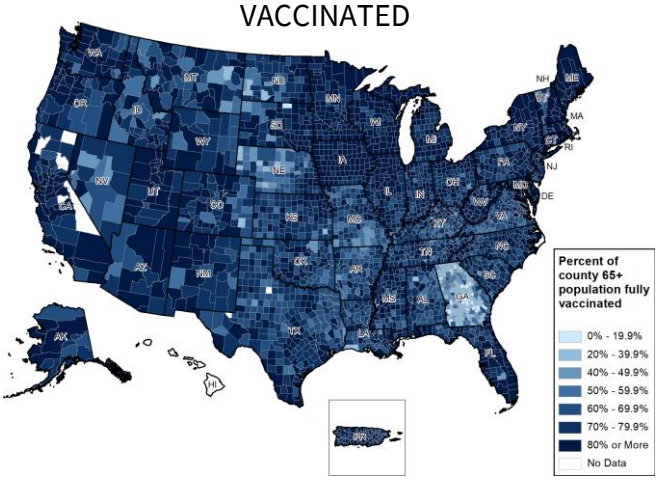
NATIONAL RANKING OF POPULATION FULLY VACCINATED

National Rank	State	National Rank	State
1	PR	27	IA
2	VT	28	UT
3	RI	29	SD
4	ME	30	TX
5	CT	31	AZ
6	MA	32	KS
7	WV	33	MI
8	NY	34	NC
9	NJ	35	AK
10	MD	36	NV
11	WA	37	OH
12	VA	38	KY
13	DC	39	MT
14	NH	40	OK
15	OR	41	SC
16	NM	42	MO
17	CO	43	ND
18	CA	44	IN
19	MN	45	TN
20	IL	46	AR
21	DE	47	GA
22	FL	48	LA
23	HI	49	MS
24	WI	50	AL
25	PA	51	WY
26	NE	52	ID

PERCENT OF 18+ POPULATION FULLY VACCINATED



PERCENT OF 65+ POPULATION FULLY VACCINATED



DATA SOURCES

Vaccinations: CDC COVID Data Tracker. Data includes the Moderna, Pfizer BioNTech, and J&J/Janssen COVID-19 vaccines and reflects current data available as of 11:28 EST on 12/17/2021. Data last updated 06:00 EST on 12/17/2021. Persons who are fully vaccinated include those who have received both doses of the Moderna or Pfizer-BioNTech vaccine as well as those who have received one dose of the J&J/Janssen vaccine. Allocations are made pro rata (equal based on population) from which jurisdictions are then to order. The following states have ≤80% completeness reporting vaccinations by county, which may result in underestimates of vaccination data for counties: WV (77%), VT (74%), GA (60%), and HI (0%). Idaho provides vaccine data only for vaccine recipients who are 18 years and older, in line with state laws. COVID-19 vaccination administration data are unavailable for the Idaho population aged less than 18 years.

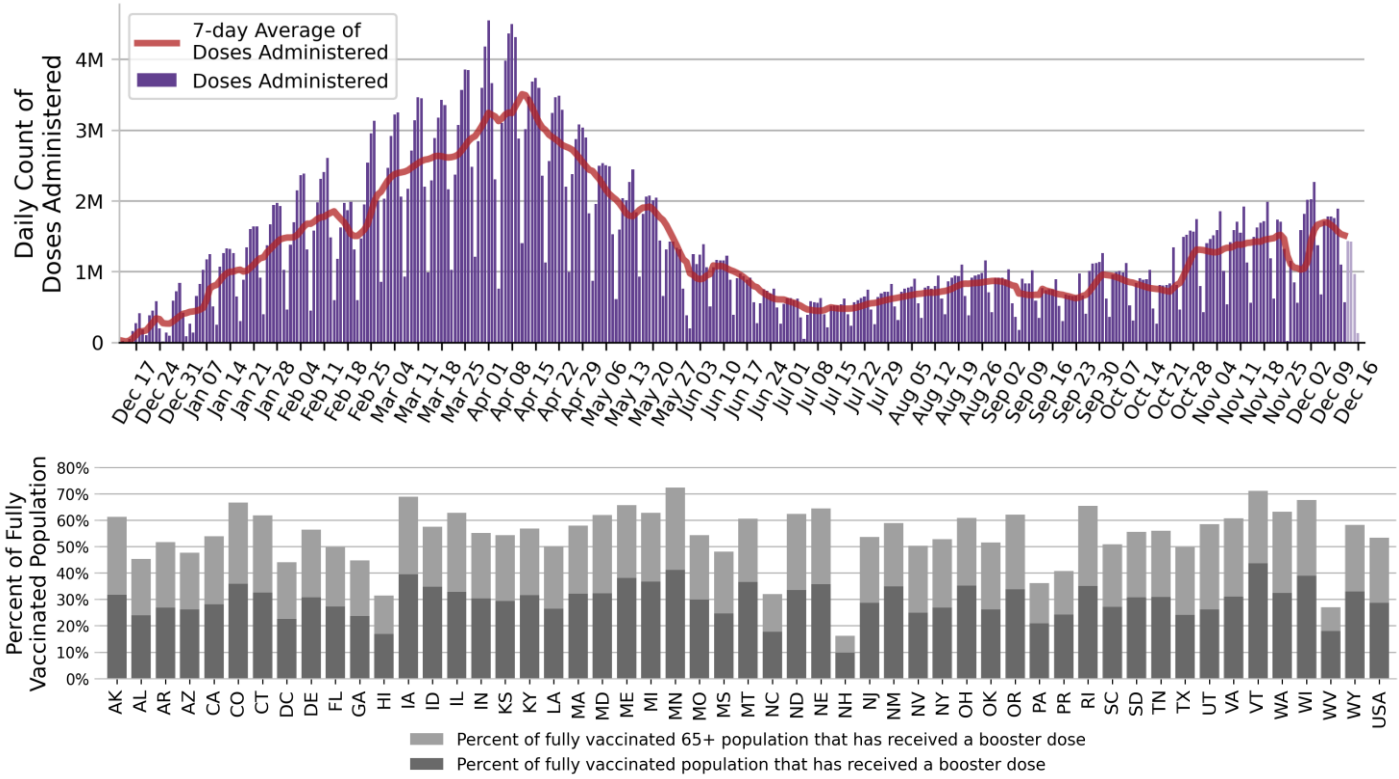
METHODS: Details available on last two pages of report.

National Picture: Vaccinations

NATIONAL COVID-19 VACCINE SUMMARY AS OF 12/17

DOSES DELIVERED	606,975,165 182,819 per 100k	**DOSES ADMINISTERED**	491,892,649 148,156 per 100k
PEOPLE RECEIVED AT LEAST ONE DOSE	240,775,382 72.5% of total pop.	**PEOPLE FULLY VACCINATED**	203,479,206 61.3% of total pop.
PEOPLE 5-11 RECEIVED AT LEAST ONE DOSE	5,861,575 20.4% of 5-11 pop.	**PEOPLE 5-11 FULLY VACCINATED**	3,368,493 11.7% of 5-11 pop.
PEOPLE 12-17 RECEIVED AT LEAST ONE DOSE	15,795,638 62.5% of 12-17 pop.	**PEOPLE 12-17 FULLY VACCINATED**	13,312,849 52.7% of 12-17 pop.
PEOPLE 18+ RECEIVED AT LEAST ONE DOSE	219,078,369 84.8% of 18+ pop.	**PEOPLE 18+ FULLY VACCINATED**	186,787,904 72.3% of 18+ pop.
PEOPLE 65+ RECEIVED AT LEAST ONE DOSE	56,130,296 95.0% of 65+ pop.	**PEOPLE 65+ FULLY VACCINATED**	47,876,451 87.4% of 65+ pop.
PEOPLE RECEIVED BOOSTER DOSE	58,185,916 28.6% of fully vaccinated total pop.	**PEOPLE 65+ RECEIVED BOOSTER DOSE**	25,559,902 53.4% of fully vaccinated 65+ pop.

DAILY NATIONAL COUNT OF VACCINE DOSES ADMINISTERED BY DATE OF ADMINISTRATION



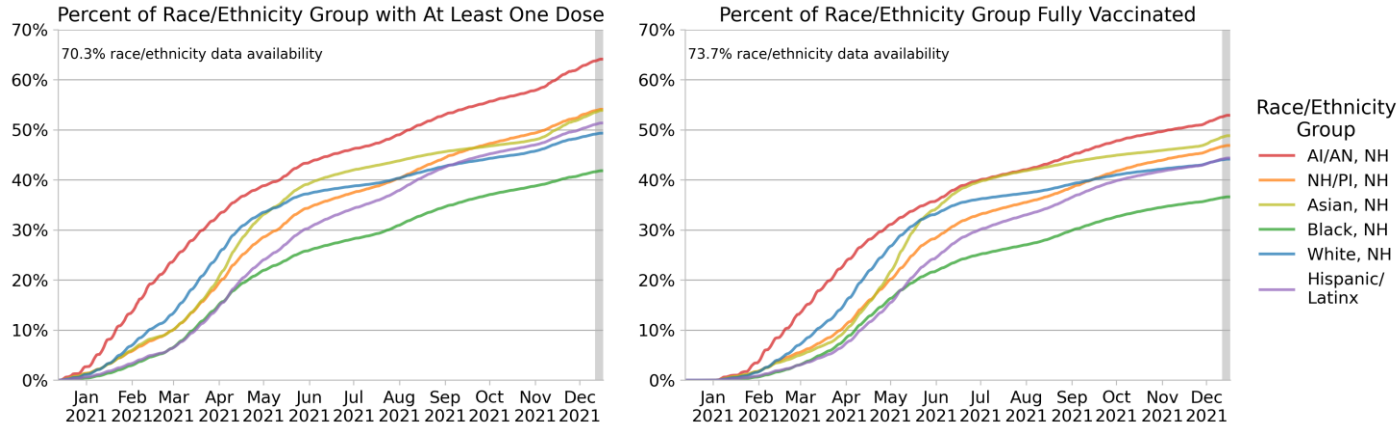
DATA SOURCES

Vaccinations: CDC COVID Data Tracker. Data includes the Moderna, Pfizer BioNTech, and J&J/Janssen COVID-19 vaccines and reflects current data available as of 11:28 EST on 12/17/2021. Data last updated 06:00 EST on 12/17/2021. Persons who are fully vaccinated include those who have received both doses of the Moderna or Pfizer-BioNTech vaccine as well as those who have received one dose of the J&J/Janssen vaccine. Allocations are made pro rata (equal based on population) from which jurisdictions are then to order. The count of people who received a booster dose includes anyone who is fully vaccinated and has received another dose of COVID-19 vaccine since August 13, 2021. This includes people who received booster doses and people who received additional doses. Due to delays in reporting, data on doses administered in recent days (as reflected by lighter blue coloring in the Daily National Count figure) may be an underestimate of the actual value.

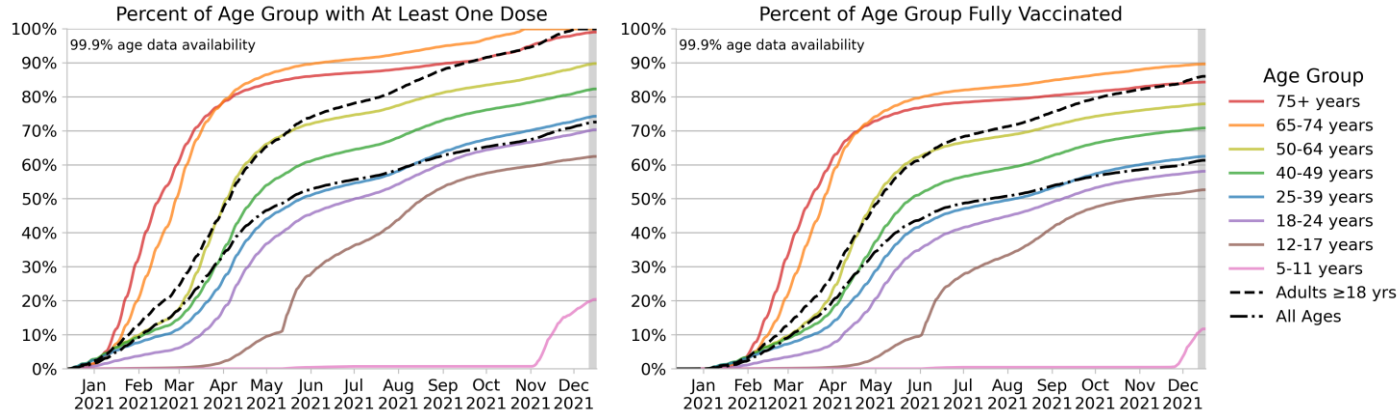
METHODS: Details available on last two pages of report.

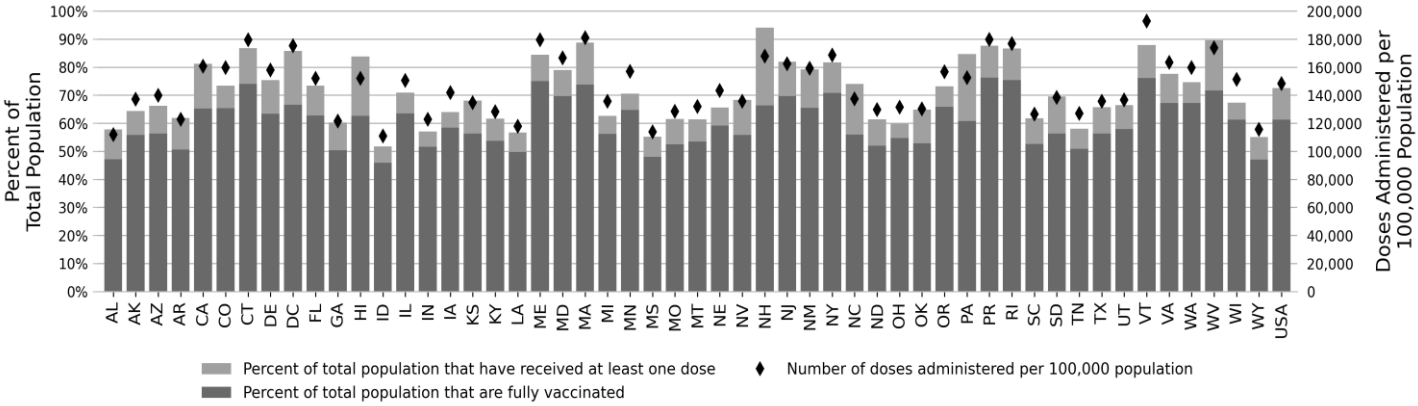
National Picture: Vaccinations

NATIONAL SUMMARY OF VACCINATIONS BY RACE/ETHNICITY



NATIONAL SUMMARY OF VACCINATIONS BY AGE





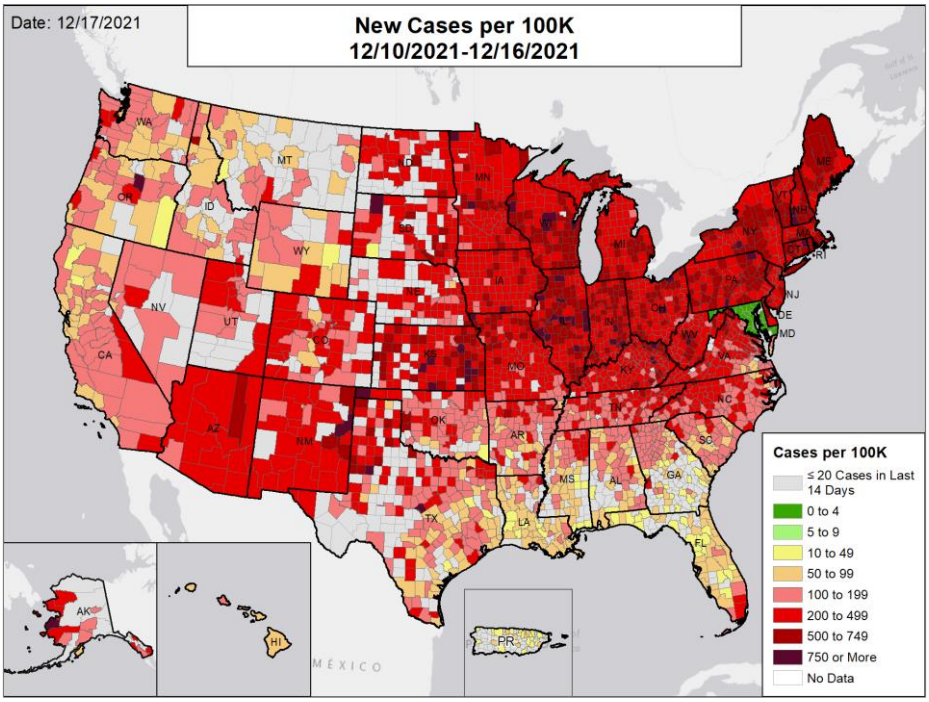
DATA SOURCES

Vaccinations: CDC COVID Data Tracker. Data includes the Moderna, Pfizer BioNTech, and J&J/Janssen COVID-19 vaccines and reflects current data available as of 11:28 EST on 12/17/2021. Data last updated 06:00 EST on 12/17/2021. Persons who are fully vaccinated include those who have received both doses of the Moderna or Pfizer-BioNTech vaccine as well as those who have received one dose of the J&J/Janssen vaccine. Allocations are made pro rata (equal based on population) from which jurisdictions are then to order. Race/Ethnicity data were available for 70.3% receiving at least one dose and 73.7% fully vaccinated. Age data were available for 100.0% receiving at least one dose and 100.0% fully vaccinated. Texas does not report demographic-specific dose number information to CDC, so data for Texas are not represented in demographic trends figures. "NH" stands for Non-Hispanic/Latinx, "AI/AN" stands for American Indian or Alaska Native, and "NH/PI" stands for Native Hawaiian or Pacific Islander.

METHODS: Details available on last two pages of report.

National Picture: Cases

NEW CASES PER 100,000

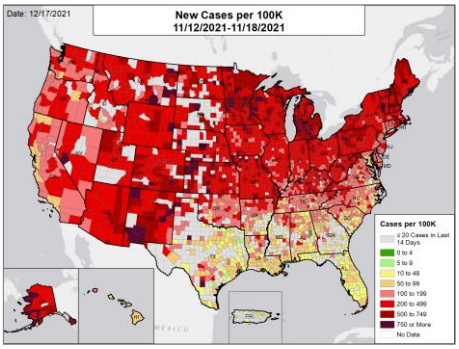


NATIONAL RANKING OF NEW CASES PER 100,000

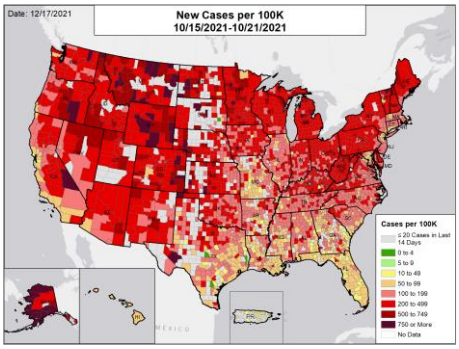
National Rank	State	National Rank	State
1	MD	27	DC
2	PR	28	SD
3	LA	29	NE
4	AL	30	NM
5	MT	31	AZ
6	MS	32	ND
7	TX	33	MO
8	HI	34	KY
9	CA	35	VT
10	GA	36	NJ
11	OR	37	KS
12	WA	38	WV
13	ID	39	MN
14	WY	40	IL
15	FL	41	DE
16	SC	42	MI
17	NV	43	IN
18	AR	44	PA
19	AK	45	NY
20	TN	46	OH
21	NC	47	ME
22	OK	48	MA
23	CO	49	CT
24	VA	50	WI
25	UT	51	NH
26	IA	52	RI

NEW CASES PER 100,000 IN THE WEEK:

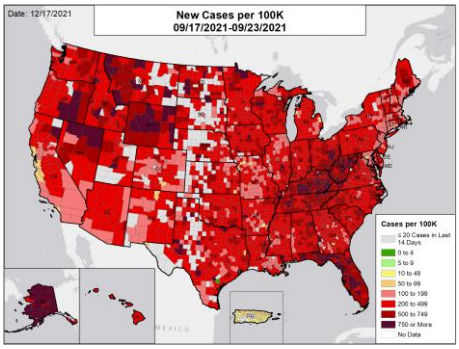
ONE MONTH BEFORE



TWO MONTHS BEFORE



THREE MONTHS BEFORE



DATA SOURCES

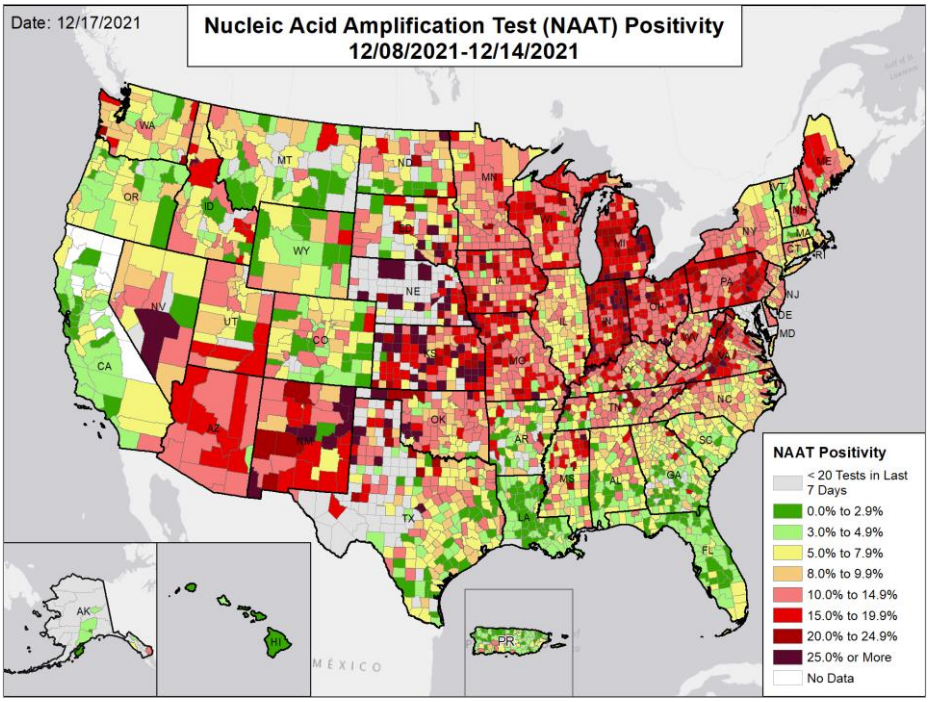
Note: Some dates may have incomplete data due to delays in reporting. Data may be backfilled over time, resulting in week-to-week changes.

Cases: County-level data are from a CDC managed aggregate county dataset compiled from state and local health departments; therefore, the values may not match those reported directly by the state. State values are aggregated data provided by the states to the CDC. The week one month before is from 11/12 to 11/18 ; the week two months before is from 10/15 to 10/21; the week three months before is from 9/17 to 9/23. Due to a cyber attack still under investigation, Maryland has not updated cases since 12/5/2021.

METHODS: Details available on last two pages of report.

National Picture: NAAT Positivity

NUCLEIC ACID AMPLIFICATION TEST (NAAT) POSITIVITY

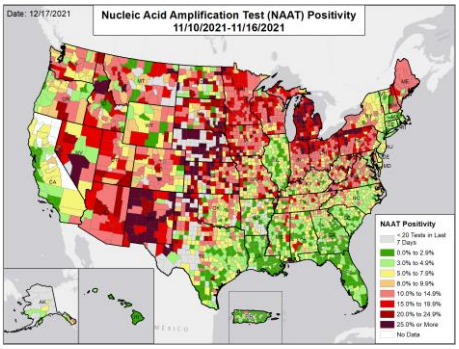


NATIONAL RANKING OF NAAT POSITIVITY

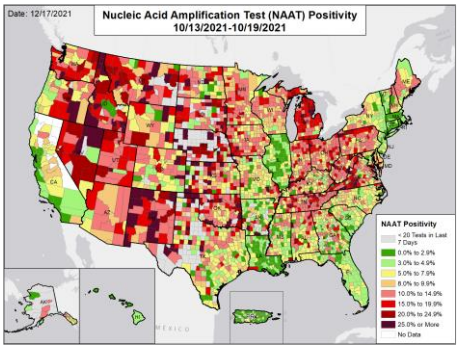
National Rank	State	National Rank	State
1	CA	27	MS
2	LA	28	NJ
3	HI	29	UT
4	AK	30	ID
5	DC	31	VA
6	OR	32	NV
7	PR	33	ME
8	FL	34	KY
9	VT	35	MN
10	MA	36	DE
11	WY	37	OK
12	RI	38	WV
13	GA	39	NH
14	SC	40	MO
15	MT	41	SD
16	IL	42	WI
17	AL	43	AZ
18	NY	44	PA
19	WA	45	KS
20	CO	46	IA
21	AR	47	OH
22	TX	48	MI
23	TN	49	NE
24	ND	50	IN
25	NC	51	NM
26	CT	52	MD

NUCLEIC ACID AMPLIFICATION TEST (NAAT) POSITIVITY IN THE WEEK:

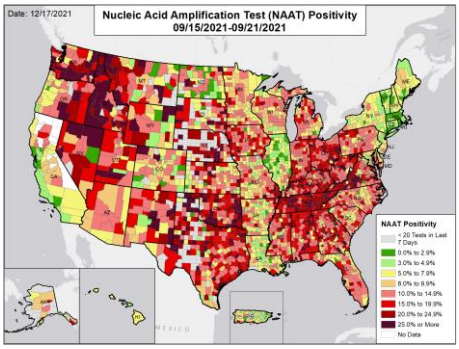
ONE MONTH BEFORE



TWO MONTHS BEFORE



THREE MONTHS BEFORE



DATA SOURCES

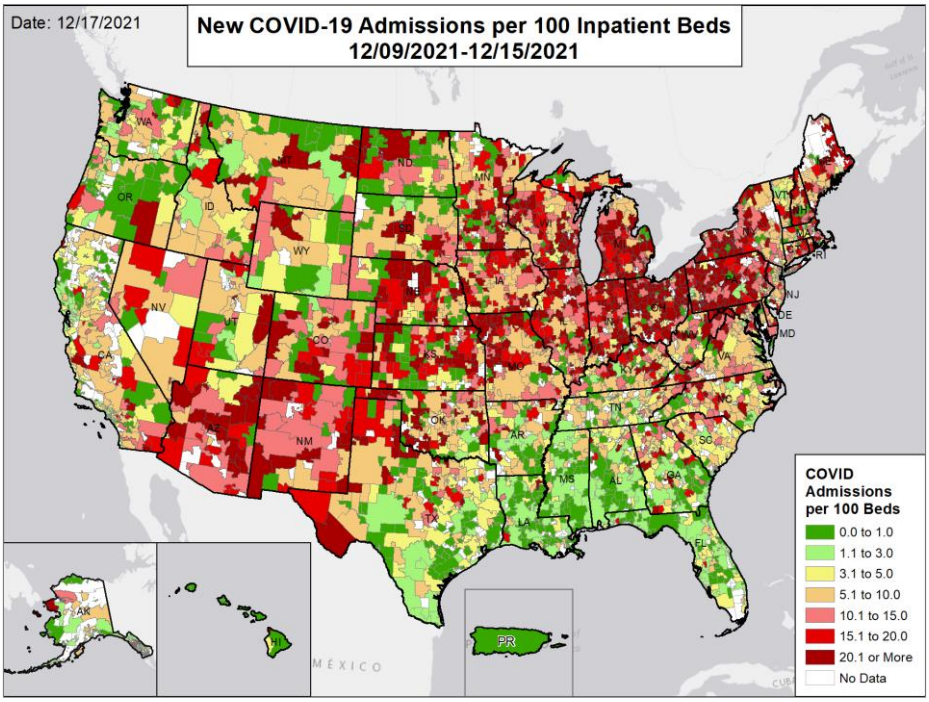
Note: Some dates may have incomplete data due to delays in reporting. Data may be backfilled over time, resulting in week-to-week changes.

Testing: CELR (COVID-19 Electronic Lab Reporting) state health department-reported data. The term Nucleic Acid Amplification Test (NAAT) includes RT-PCR and other testing methods. Data are through 12/14/2021. The week one month before is from 11/10 to 11/16; the week two months before is from 10/13 to 10/19; the week three months before is from 9/15 to 9/21. Due to a cyber attack still under investigation, Maryland has not updated testing data since 12/5/2021. As of 8/31/2021, Washington has been experiencing technical issues. As a result, test positivity and test volume may be incomplete.

METHODS: Details available on last two pages of report.

National Picture: Hospital Admissions

CONFIRMED NEW COVID-19 ADMISSIONS PER 100 INPATIENT BEDS

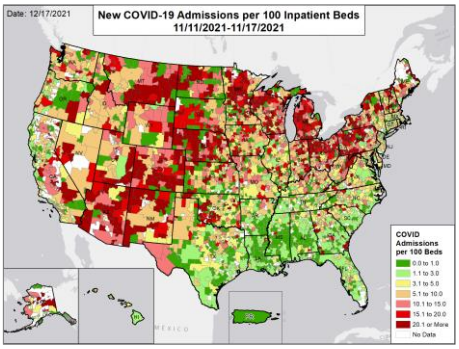


NATIONAL RANKING OF CONFIRMED ADMISSIONS PER 100 BEDS

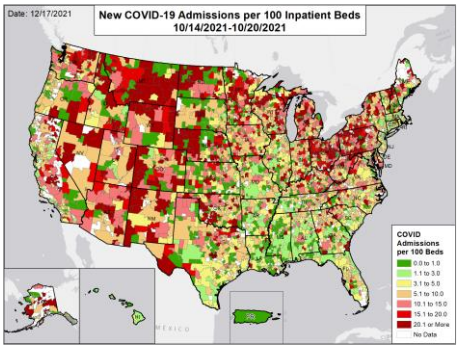
National Rank	State	National Rank	State
1	PR	27	ND
2	HI	28	UT
3	LA	29	CT
4	MS	30	DE
5	AL	31	KS
6	FL	32	MD
7	AK	33	RI
8	DC	34	SD
9	OR	35	WV
10	WA	36	MO
11	CA	37	NE
12	TN	38	IL
13	TX	39	IA
14	SC	40	ME
15	GA	41	MN
16	AR	42	CO
17	NC	43	OK
18	VT	44	KY
19	ID	45	NM
20	NV	46	PA
21	VA	47	AZ
22	WY	48	NH
23	NY	49	IN
24	MA	50	OH
25	MT	51	MI
26	NJ	52	WI

CONFIRMED NEW COVID-19 ADMISSIONS PER 100 INPATIENT BEDS IN THE WEEK:

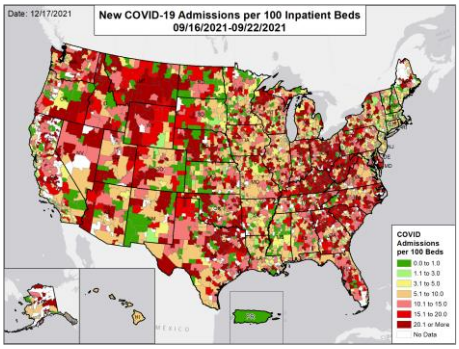
ONE MONTH BEFORE



TWO MONTHS BEFORE



THREE MONTHS BEFORE



DATA SOURCES

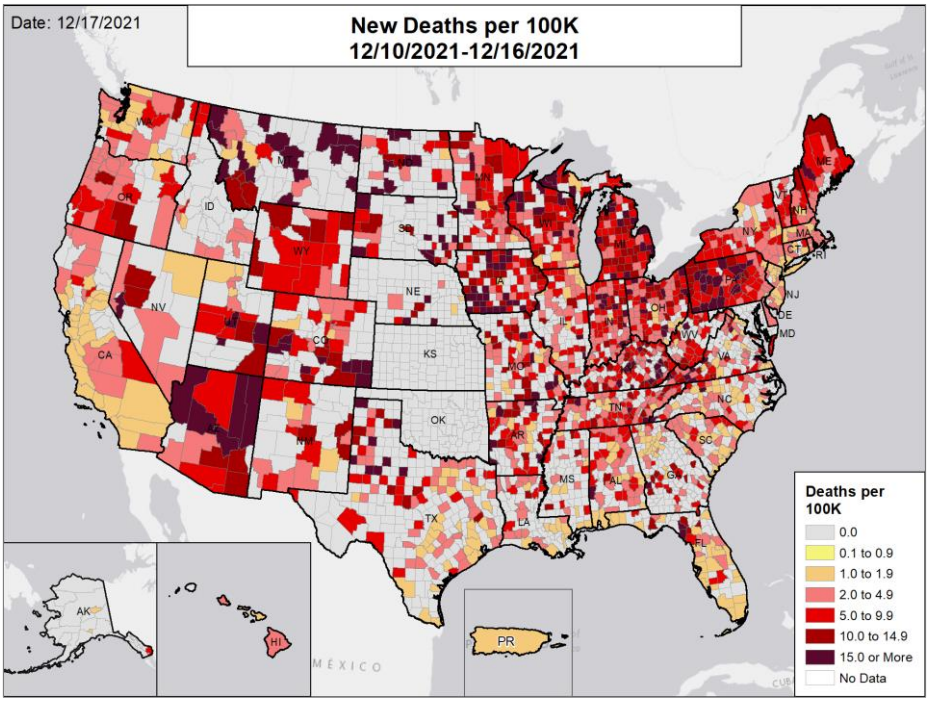
Note: Some dates may have incomplete data due to delays in reporting. Data may be backfilled over time, resulting in week-to-week changes.

Admissions: Unified Hospitals Dataset in HHS Protect through 12/15/2021. Totals include only confirmed COVID-19 admissions. Puerto Rico is shown at the territory level as HSAs are not defined. The week one month before is from 11/11 to 11/17; the week two months before is from 10/14 to 10/20; the week three months before is from 9/16 to 9/22. HSA indicates Hospital Service Area. Hospitals are assigned to HSA based on zip code where known. In some areas, reports are aggregates of multiple facilities that cross HSA boundaries; in these cases, values are assigned based on the zip code for the aggregate.

METHODS: Details available on last two pages of report.

National Picture: Deaths

NEW DEATHS PER 100,000

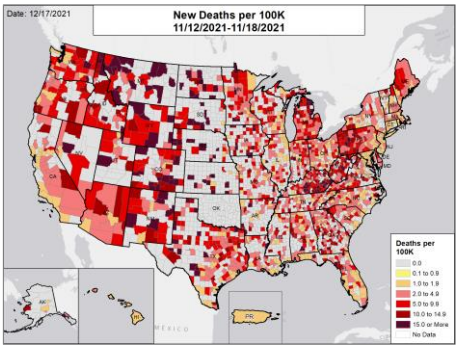


NATIONAL RANKING OF NEW DEATHS PER 100,000

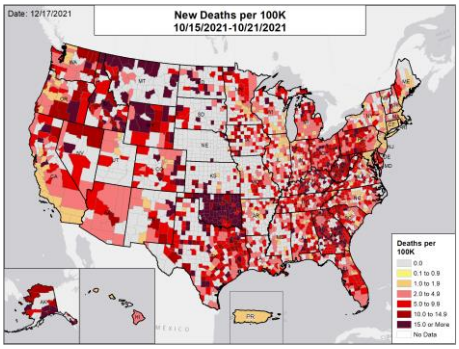
National Rank	State	National Rank	State
1	MD	27	ID
2	FL	28	IL
3	PR	29	NM
4	AK	30	RI
5	AL	31	AR
6	NC	32	TN
7	DC	33	NV
8	GA	34	MI
9	LA	35	NH
10	MS	36	OR
11	CA	37	IA
12	TX	38	SD
13	NJ	39	MN
14	WA	40	ND
15	CT	41	KS
16	OK	42	WI
17	NE	43	ME
18	HI	44	WV
19	SC	45	CO
20	UT	46	OH
21	VT	47	WY
22	NY	48	KY
23	DE	49	IN
24	VA	50	PA
25	MO	51	AZ
26	MA	52	MT

NEW DEATHS PER 100,000 IN THE WEEK:

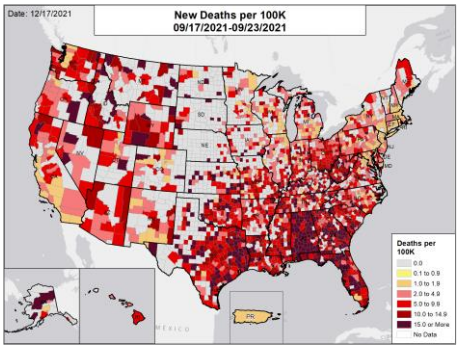
ONE MONTH BEFORE



TWO MONTHS BEFORE



THREE MONTHS BEFORE



DATA SOURCES

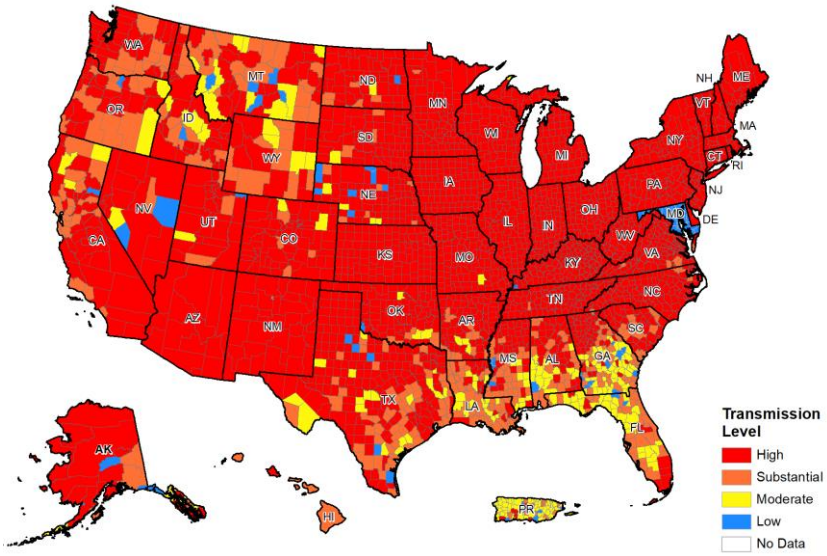
Note: Some dates may have incomplete data due to delays in reporting. Data may be backfilled over time, resulting in week-to-week changes.

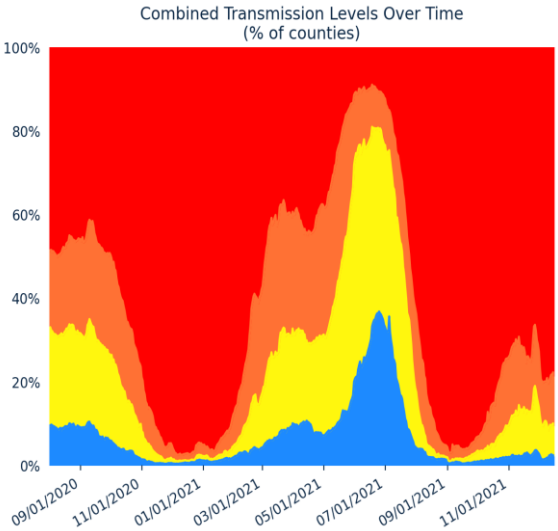
Deaths: County-level data are from a CDC managed aggregate county dataset compiled from state and local health departments; therefore, the values may not match those reported directly by the state. State values are aggregated data provided by the states to the CDC. As of 3/2/2021, Ohio changed their method of reporting COVID-19 deaths and will report deaths on the day of death, not the day of report, which could result in a fluctuation in the number of deaths from recent weeks due to delayed reporting. Puerto Rico is shown at the territory level as deaths are not reported at the municipio level. The week one month before is from 11/12 to 11/18 ; the week two months before is from 10/15 to 10/21; the week three months before is from 9/17 to 9/23. Due to a cyber attack still under investigation, Maryland has not updated deaths since 12/5/2021. Due to technical issues, county-level deaths in Oklahoma have not updated since 11/3/2021.

METHODS: Details available on last two pages of report.

National Picture: Community Transmission

COMMUNITY TRANSMISSION BY COUNTY





COUNTIES BY COMMUNITY TRANSMISSION INDICATOR				
CASES PER 100K	0 TO 9	10 TO 49	50 TO 99	100 +
# OF COUNTIES (CHANGE)	93 (↑16)	254 (↓34)	422 (↑28)	2451 (↓10)
% OF COUNTIES (CHANGE)	2.9% (↑0.5%)	7.9% (↓1.1%)	13.1% (↑0.9%)	76.1% (↓0.3%)
TEST POSITIVITY	0.0% TO 4.9%	5.0% TO 7.9%	8.0% TO 9.9%	10.0% +
# OF COUNTIES (CHANGE)	775 (↑16)	576 (↑46)	376 (↑52)	1493 (↓114)
% OF COUNTIES (CHANGE)	24.1% (↑0.5%)	17.9% (↑1.4%)	11.7% (↑1.6%)	46.4% (↓3.5%)

COUNTIES BY COMBINED TRANSMISSION LEVEL				
CATEGORY	**LOW TRANSMISSION BLUE**	**MODERATE TRANSMISSION YELLOW**	**SUBSTANTIAL TRANSMISSION ORANGE**	**HIGH TRANSMISSION RED**
# OF COUNTIES (CHANGE)	75 (↑15)	233 (↓22)	383 (↑25)	2529 (↓18)
% OF COUNTIES (CHANGE)	2.3% (↑0.5%)	7.2% (↓0.7%)	11.9% (↑0.8%)	78.5% (↓0.6%)

DATA SOURCES
Maps and figures reflect 7-day average of data from 12/10-12/16 (cases), 12/8-12/14 (tests).
Note: Most recent days may have incomplete reporting.
Cases: County-level data are from a CDC managed aggregate county dataset compiled from state and local health departments; therefore, the values may not match those reported directly by the state Data are through 12/16/2021. Due to a cyber attack still under investigation, Maryland has not updated cases since 12/5/2021.
Testing: CELR (COVID-19 Electronic Lab Reporting) state health department-reported data. Data are through 12/14/2021. Due to a cyber attack still under investigation, Maryland has not updated testing data since 12/5/2021. As of 8/31/2021, Washington has been experiencing technical issues. As a result, test positivity and test volume may be incomplete.
County Percentages: Based on a denominator of 3,220 county/county-equivalents, including states, the District of Columbia, and Puerto Rico municipios.
Combined Transmission Level: If the two indicators suggest different transmission levels, the higher level is selected. Previous week transmission levels are computed based on current data. See CDC COVID Data Tracker.
METHODS: Details available on last two pages of report.

DATA SOURCES & METHODS

STATE PROFILE REPORT | 12.17.2021

- Some dates may have incomplete data due to delays and/or differences in state reporting. Data may be backfilled over time, resulting in week-to-week changes between reports. It is critical that states provide as up-to-date data as possible. Figures and values may also differ from state reports due to differing methodologies. For more information, see CDC COVID Data Tracker.
- All population values are vintage 2019 US Census data.
- **Cases and Deaths:** County-level data are from a CDC-managed aggregate county dataset compiled from state and local health departments; therefore, the values may not match those reported directly by the state. State values are aggregated data provided by the states to the CDC. Data and week-on-week changes are as of 11:15 EST on 12/17/2021. Cases and deaths are generally shown by date of report. Some states periodically adjust their past data with CDC to show it by case date and death date, as determined by the state. Between adjustments, new cases and deaths continue to be shown by date of report. This can potentially lead to over-estimates of the week-on-week increases in cases or deaths. As of October 25, 2021, CDC no longer spreads aggregate COVID-19 case and death counts evenly over non-reporting days (i.e., smoothing), to avoid under-reporting of weekend averages.
  - As of 3/2/2021, Ohio changed their method of reporting COVID-19 deaths and will report deaths on the day of death, not the day of report, which could result in a fluctuation in the number of deaths from recent weeks due to delayed reporting. Puerto Rico deaths are shown at the territory level as deaths are not reported at the municipio level. Due to a cyber attack still under investigation, Maryland has not updated cases since 12/5/2021. Due to a cyber attack still under investigation, Maryland has not updated deaths since 12/5/2021. Due to technical issues, county-level deaths in Oklahoma have not updated since 11/3/2021.
  - Historical reports of cases and deaths — for which backfill dates are not available — that exceed 1% of the total new cases or deaths reported in the US that day have been excluded from state daily and weekly trends. However, these are still present in county-level data. Historical reports in the last two weeks (12/3/21 – 12/16/21) are:
    - Alabama cases: 841 on 12/13
    - Kentucky cases: 126 on 12/7
    - Michigan deaths: 169 on 12/3; 47 on 12/6; 185 on 12/8; 151 on 12/10; 36 on 12/13; and 230 on 12/15
    - Mississippi deaths: 6 on 12/3 and 1 on 12/16
    - Ohio cases: 1,725 on 12/14; 840 on 12/15; and 1,347 on 12/16
- **Testing:** The data presented represent viral COVID-19 laboratory diagnostic and screening test results — not individual people — and exclude antibody and antigen tests, unless stated otherwise. The term Nucleic Acid Amplification Test (NAAT) includes RT-PCR and other testing methods, which were always included in the testing data. CELR (COVID-19 Electronic Lab Reporting) state health department-reported data are used to describe county-level viral COVID-19 NAAT result totals when information is available on patients' county of residence or healthcare providers' practice location. Because the data are deidentified, total NAATs are the number of tests performed, not the number of individuals tested. NAAT positivity rate is the number of positive tests divided by the number of tests performed and resulted. For test positivity, last week data are from 12/8 to 12/14; previous week data are from 12/1 to 12/7; the week one month before data are from 11/10 to 11/16. For number of tests, last week data are from 12/4 to 12/10; previous week data are from 11/27 to 12/3. HHS Protect data are recent as of 10:59 EST on 12/17/2021. Testing data are inclusive of everything received and processed by the CELR system as of 19:00 EST on 12/16/2021. Due to a cyber attack still under investigation, Maryland has not updated testing data since 12/5/2021. As of 8/31/2021, Washington has been experiencing technical issues. As a result, test positivity and test volume may be incomplete.
- **Hospitalizations:** Unified Hospitals 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. The data presented represents raw data provided; we are working diligently with state liaisons to improve reporting consistency. Data are recent as of 10:23 EST on 12/17/2021.
- **Hospital PPE:** Unified Hospitals 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. Hospitals explicitly identified by states/regions as those from which we should not expect reports were excluded from the percent reporting figure. Data are recent as of 10:25 EST on 12/17/2021.
- **State, County, and Metro Area Community Transmission Levels**
  - **High Transmission:** Those states, CBSAs, and counties that during the last week reported 100 or more cases per 100,000 population or a lab test positivity at or above 10.0%.
  - **Substantial Transmission:** Those states, CBSAs, and counties that during the last week reported from 50 to 99 cases per 100,000 population or a lab test positivity from 8.0% to 9.9%.
  - **Moderate Transmission:** Those states, CBSAs, and counties that during the last week reported from 10 to 49 cases per 100,000 population or a lab test positivity from 5.0% to 7.9%.
  - **Low Transmission:** Those states, CBSAs, and counties that during the last week reported from 0 to 9 cases per 100,000 population or a lab test positivity from 0.0% to 4.9%.
  - If the two indicators suggest different transmission levels, the higher level is selected. Previous week transmission levels are computed based on current data. See CDC COVID Data Tracker.
- **Shortages:** Unified Hospitals Dataset in HHS Protect. These data exclude psychiatric, rehabilitation, and religious non-medical hospitals. Includes hospitals currently reporting a staffing shortage. Low supply is defined as a hospital reporting they are not able to maintain a 3-day supply of N95s, face masks, gloves, gowns, or eye protection. Data are recent as of 10:25 EST on 12/17/2021.
- **Vaccinations:** CDC COVID Data Tracker. Data includes the Moderna, Pfizer BioNTech, and J&J/Janssen COVID-19 vaccines and reflects current data available as of 11:28 EST on 12/17/2021. Data last updated 06:00 EST on 12/17/2021. Persons who are fully vaccinated include those who have received both doses of the Moderna or Pfizer-BioNTech vaccine as well as those who have received one dose of the J&J/Janssen vaccine. Allocations are made pro rata (equal based on population) from which jurisdictions are then to order. COVID-19 vaccines available in the U.S. are authorized only for persons ≥5 years of age (Pfizer-BioNTech) or ≥18 years of age (Moderna and J&J/Janssen). Population denominators reflect the subset of the population of the corresponding age range when specified (e.g., 12+, 12-17, 18+, or 65+), otherwise the total population is used. The count of people who received a booster dose includes anyone who is fully vaccinated and has received another dose of COVID-19 vaccine since August 13, 2021. This includes people who received booster doses and people who received additional doses. CDC has capped the percent of population coverage metrics at 95.0%. These metrics could be greater than 95.0% for multiple reasons, including census denominator data not including all individuals that currently reside in the county (e.g., part time residents) or potential data reporting errors. The following states have ≤80% completeness reporting vaccinations by county, which may result in underestimates of vaccination data for counties: WV (77%), VT (74%), GA (60%), and HI (0%).
- **Variants:** Data from CDC COVID Data Tracker. Variant proportions are based on representative CDC sequence data (NS3 + CDC-funded contract sequencing) collected over a 4-week period ending November 20, 2021 for states with at least 300 sequences. Proportions are calculated using empirical (unweighted) data, which are subject to change over time and will be updated as more data become available. Proportions of variants do not represent the total number that may be circulating in the United States and may not match cases reported by states, territories, tribes, and local officials. For states and jurisdictions not listed, CDC has insufficient genomic surveillance data for the specified time period. Data updated by 19:00 ET on 12/14. Data pulled 11:01 EST on 12/17/2021.

DATA SOURCES & METHODS

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Color threshold values are rounded before color classification

Metric	Dark Green	Light Green	Yellow	Orange	Light Red	Red	Dark Red	Darkest Red
New cases per 100,000 population per week	≤4	5 – 9	10 – 49	50 – 99	100 – 199	200 – 499	500 – 749	≥750
Percent change in new cases per 100,000 population	≤-26%	-25% – -11%	-10% – 0%	1% – 10%	11% – 99%	100% – 999%	≥1000%	
Diagnostic test result positivity rate	≤2.9%	3.0% – 4.9%	5.0% – 7.9%	8.0% – 9.9%	10.0% – 14.9%	15.0% – 19.9%	20.0% – 24.9%	≥25.0%
Change in test positivity	≤-2.1%	-2.0% – -0.6%	-0.5% – 0.0%	0.1% – 0.5%	0.6% – 2.0%		≥2.1%	
Total diagnostic tests resulted per 100,000 population per week	≥5000	3000 – 4999	2000 – 2999	1000 – 1999	500 – 999		≤499	
Percent change in tests per 100,000 population	≥26%	11% – 25%	1% – 10%	-10% – 0%	-25% – -11%		≤-26%	
COVID-19 deaths per 100,000 population per week	0.0		0.1 – 0.9	1.0 – 1.9	2.0 – 4.9	5.0 – 9.9	10.0 – 14.9	≥15.0
Percent change in deaths per 100,000 population	≤-26%	-25% – -11%	-10% – 0%	1% – 10%	11% – 25%		≥26%	
Confirmed new COVID-19 hospital admissions per 100 beds	≤1.0	1.1 – 3.0	3.1 – 5.0	5.1 – 10.0	10.1 – 15.0	15.1 – 20.0	≥20.1	
Change in new COVID-19 hospital admissions per 100 beds	≤-26%	-25% – -11%	-10% – 0%	1% – 10%	11% – 25%		≥26%	
Percent of hospitals with supply/staff shortages	≤9%		10% – 19%	20% – 29%	30% – 39%		≥40%	
Change in percent of hospitals with supply/staff shortages	≤-10%	-9% – -5%	-4% – 0%	1% – 4%	5% – 9%		≥10%	

Percent of Population Fully Vaccinated (State Level)	0.0 – 49.9%	50.0 – 59.9%	60.0 – 69.9%	70.0 – 79.9%	≥80.0%