STATE PROFILE REPORT
05.21.2021

ARIZONA

STATE SYNOPSIS

	LAST WEEK	CHANGE FROM PREVIOUS WEEK
RATE OF NEW COVID-19 CASES PER 100,000	**55**	**-11%**
VIRAL (RT-PCR) LAB TEST POSITIVITY RATE	**4.7%**	**-0.1%**
NEW CONFIRMED COVID-19 HOSPITAL ADMISSIONS / 100 BEDS	**3**	**-5%**
RATE OF NEW COVID-19 DEATHS PER 100,000	**1.0**	**+0%**
COMMUNITY TRANSMISSION LEVEL	**SUBSTANTIAL TRANSMISSION**	
PEOPLE RECEIVED AT LEAST 1 DOSE	**3,240,593 people**	**44.5% of total pop.**
PEOPLE 18+ RECEIVED AT LEAST 1 DOSE	**3,156,801 people**	**56.0% of 18+ pop.**
PEOPLE FULLY VACCINATED	**2,498,817 people**	**34.3% of total pop.**
PEOPLE 18+ FULLY VACCINATED	**2,462,747 people**	**43.7% of 18+ pop.**

SARS-CoV-2 Variants of Concern

- The following proportions of variants of concern have been identified in Arizona: B.1.1.7 (54.1%), B.1.351 (1.1%), B.1.427/B.1.429 (15.0%), P.1 (6.6%)

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 COVID-Data-RFI@hhs.gov.

COVID-19

ARIZONA

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	STATE	STATE, % CHANGE FROM PREVIOUS WEEK	FEMA/HHS REGION	UNITED STATES
NEW COVID-19 CASES (RATE PER 100,000)	4,027 (55)	-11%	10,278 (20)	184,116 (55)
VIRAL (RT-PCR) LAB TEST POSITIVITY RATE	4.7%	-0.1%*	1.5%	2.9%
TOTAL VIRAL (RT-PCR) LAB TESTS (TESTS PER 100,000)	93,526** (1,285**)	-8%**	1,322,647** (2,565**)	6,980,244** (2,103**)
COVID-19 DEATHS (RATE PER 100,000)	71 (1.0)	+0%	199 (0.4)	3,402 (1.0)
SNFs WITH ≥1 NEW RESIDENT COVID-19 CASE	0%†	-1%*	1%	3%
SNFs WITH ≥1 NEW STAFF COVID-19 CASE	3%†	+1%*	2%	8%
SNFs WITH ≥1 NEW RESIDENT COVID-19 DEATH	1%†	+0%*	0%	1%
CONFIRMED AND SUSPECTED NEW COVID-19 HOSPITAL ADMISSIONS (RATE PER 100 BEDS)	1,171 (8)	-3% (-3%)	5,725 (7)	55,727 (8)
CONFIRMED NEW COVID-19 HOSPITAL ADMISSIONS (RATE PER 100 BEDS)	421 (3)	-5% (-5%)	2,073 (2)	23,605 (3)
NUMBER OF HOSPITALS WITH SUPPLY SHORTAGES (PERCENT)	4 (4%)	+0%	18 (3%)	318 (6%)
NUMBER OF HOSPITALS WITH STAFF SHORTAGES (PERCENT)	23 (26%)	+5%	89 (17%)	631 (12%)

COVID-19 VACCINE SUMMARY AS OF 5/21/2021	RECEIVED AT LEAST ONE DOSE				FULLY VACCINATED			
	PEOPLE	PCT OF POP	PEOPLE 18+	PCT OF 18+ POP	PEOPLE	PCT OF POP	PEOPLE 18+	PCT OF 18+ POP
	3,240,593	44.5%	3,156,801	56.0%	2,498,817	34.3%	2,462,747	43.7%

* 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.
† 89% of facilities reported during the most current week.

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 is through 5/20/2021; previous week is from 5/7 to 5/13.
Testing: CELR (COVID-19 Electronic Lab Reporting) state health department-reported data. Test positivity through 5/18/2021; previous week is from 5/5 to 5/11. Test volume through 5/14/2021; previous week is from 5/1 to 5/7.
SNFs: Skilled nursing facilities. National Healthcare Safety Network. Data is through 5/16/2021, previous week is from 5/3 to 5/9.
Admissions: Unified Hospitals Dataset in HHS Protect. Data is through 5/19, previous week is from 5/6 to 5/12.
Shortages: Unified Hospitals Dataset in HHS Protect. Values presented show the latest reports from hospitals in the week ending 5/19/2021 for staffing and the week ending 5/19/2021 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 14:20 EDT on 05/21/2021. Data last updated 06:00 EDT on 05/21/2021. 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. Currently, few persons under age 18 are being vaccinated; this group represents ~22% of the US population and the percentage varies by jurisdiction.
METHODS: Details available on last two pages of report.

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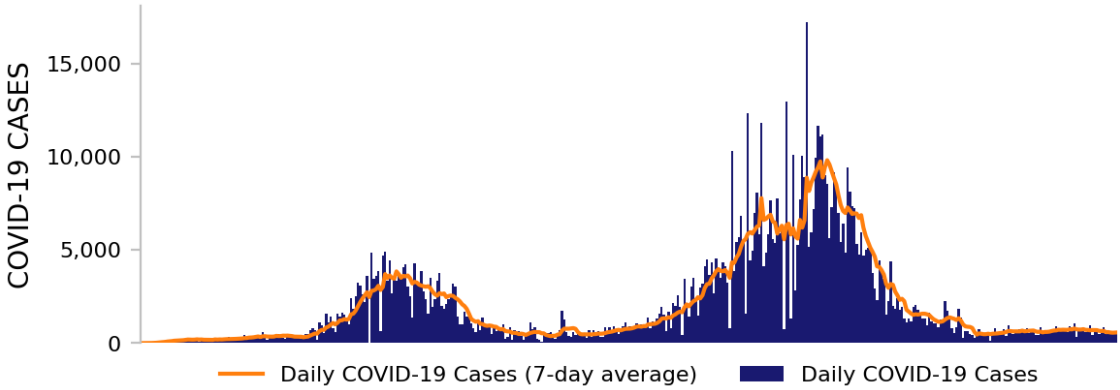
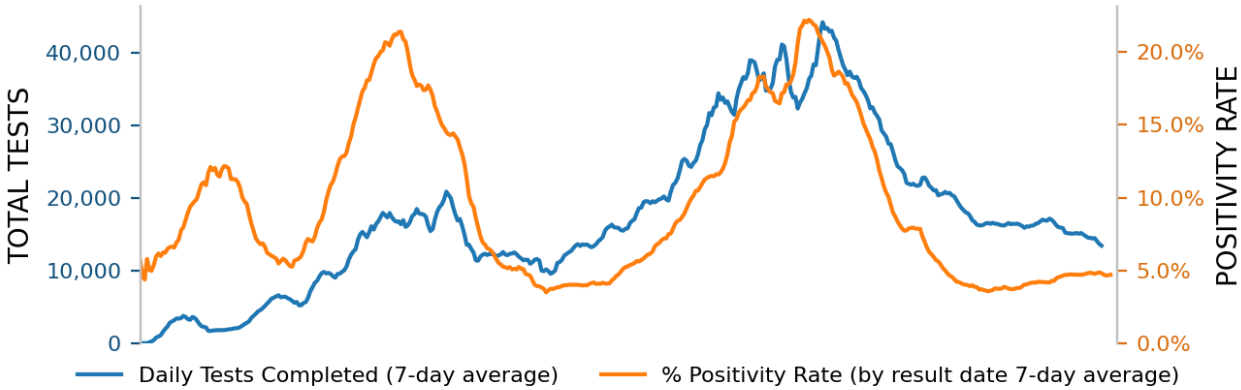
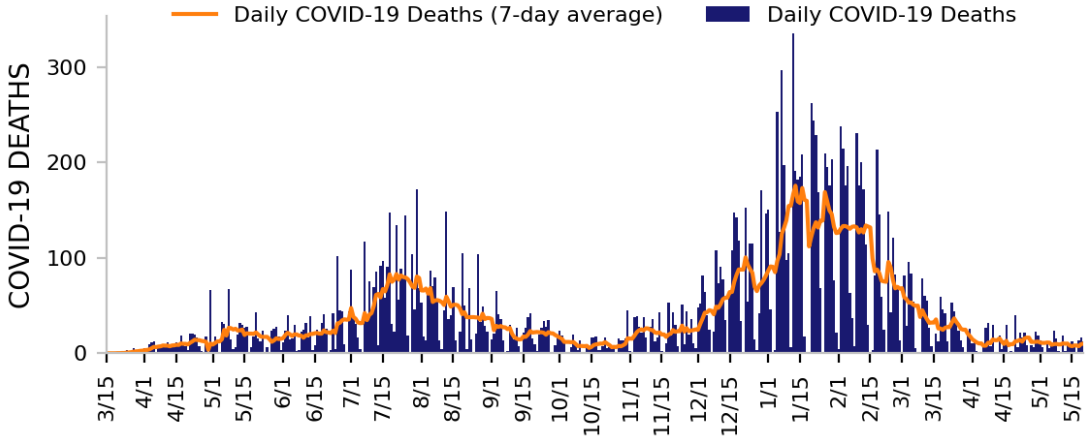
NEW CASES



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 is through 5/20/2021.

Testing: CELR (COVID-19 Electronic Lab Reporting) state health department-reported data. Test positivity through 5/18/2021. Test volume through 5/14/2021.

METHODS: Details available on last two pages of report.

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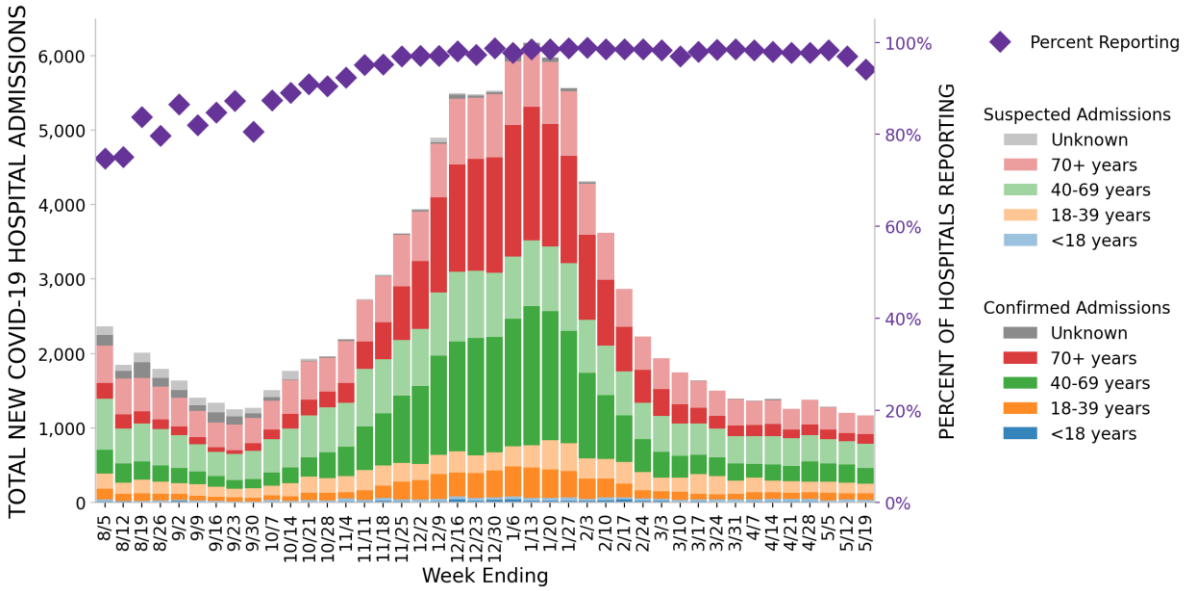
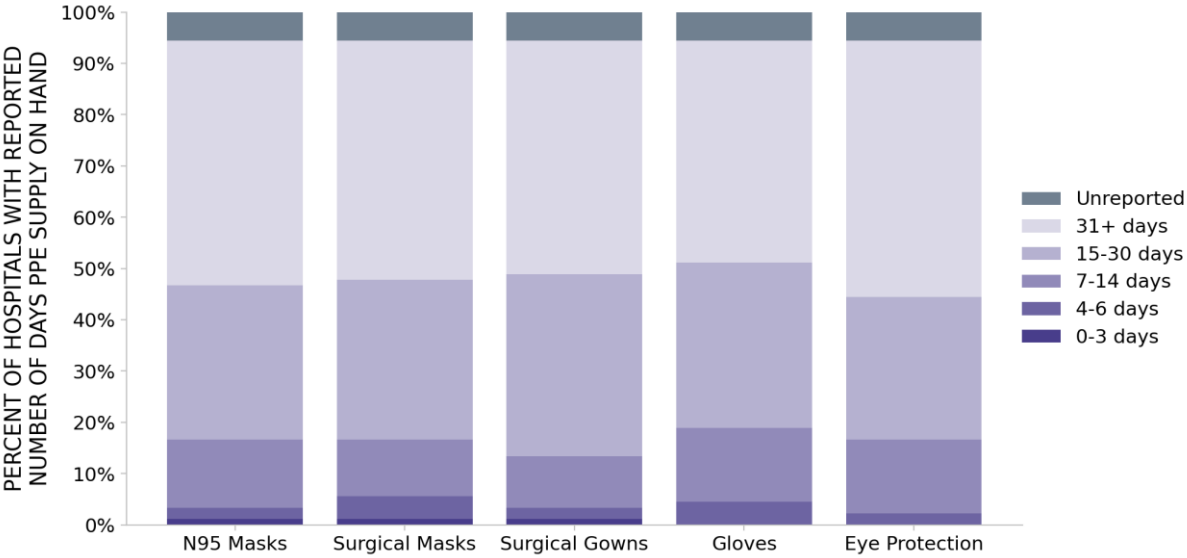
90 hospitals are expected to report in Arizona

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 is through 5/19/2021.

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 5/19/2021.

METHODS: Details available on last two pages of report.

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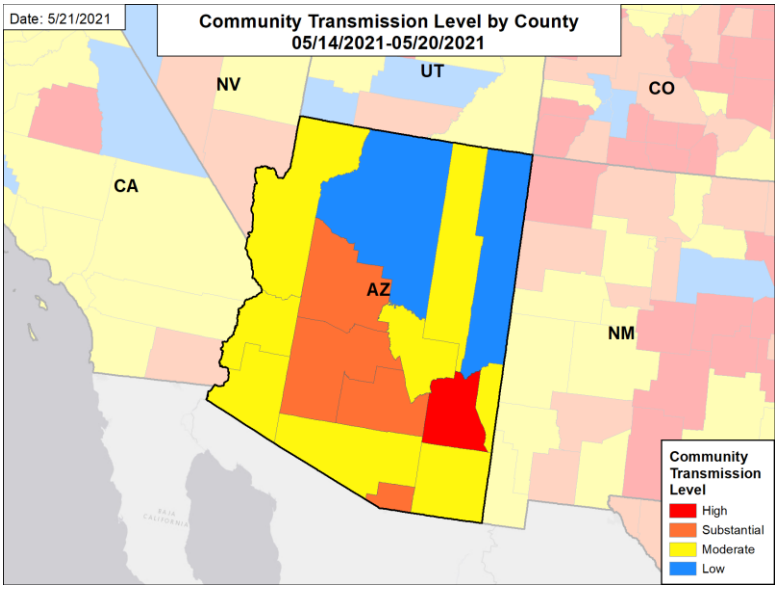
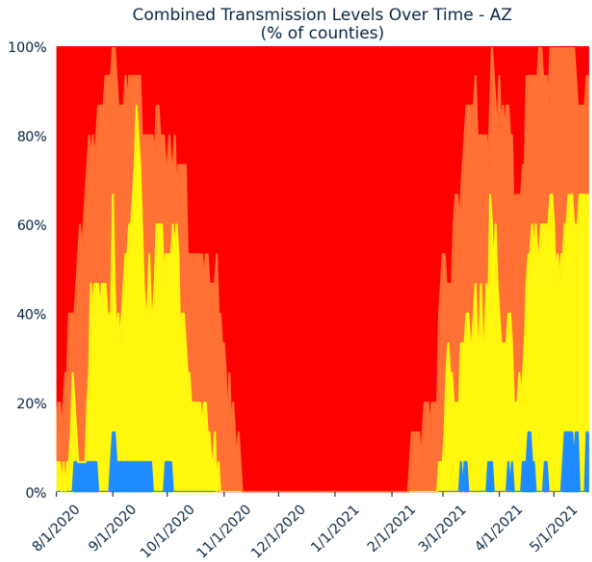
COMMUNITY TRANSMISSION BY COUNTY AND METRO AREA





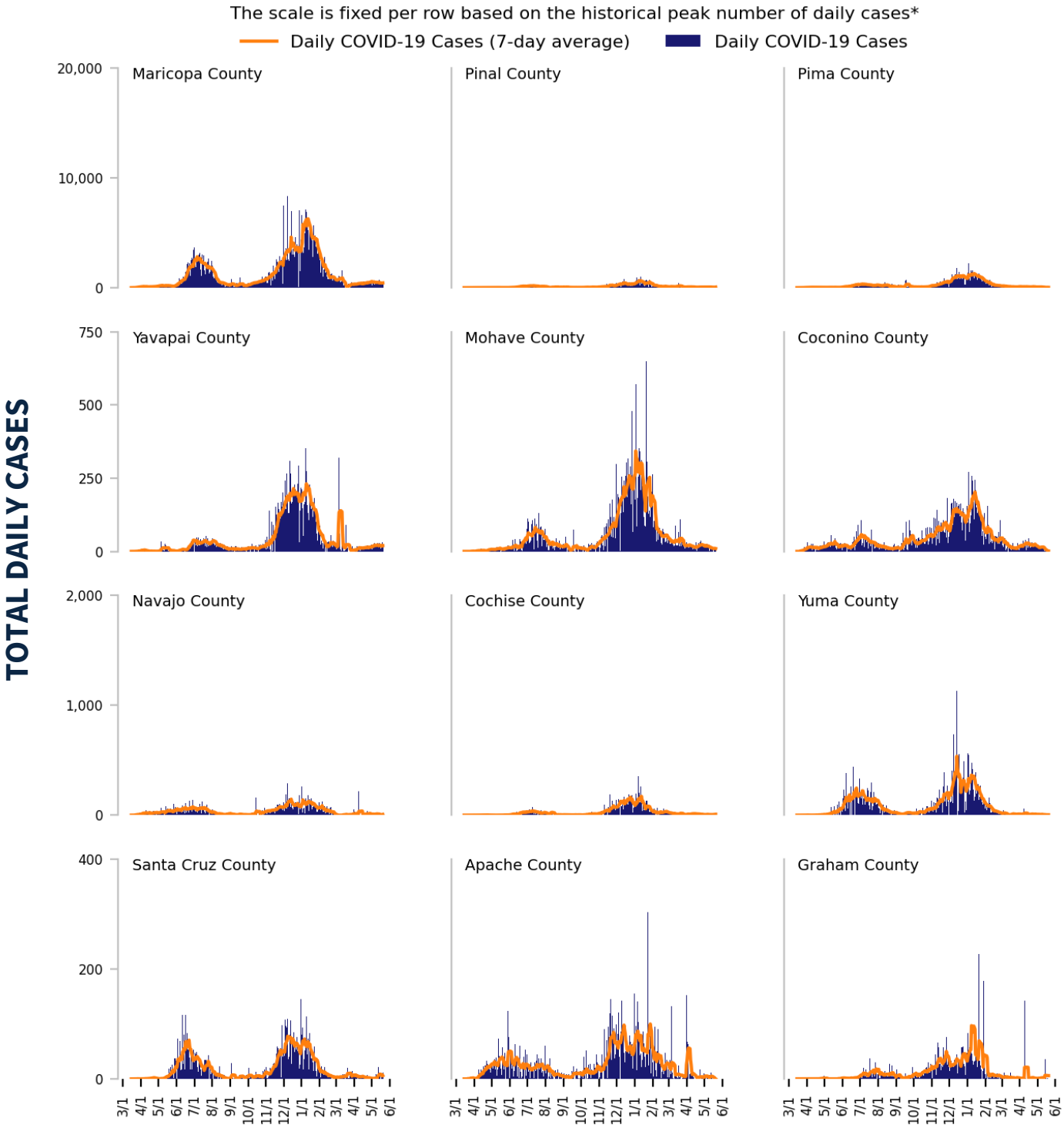
COUNTIES AND METRO AREAS BY COMBINED TRANSMISSION LEVEL

CATEGORY	LOW TRANSMISSION BLUE	MODERATE TRANSMISSION YELLOW	SUBSTANTIAL TRANSMISSION ORANGE	HIGH TRANSMISSION RED
# OF COUNTIES (CHANGE)	2 (0)	8 (↑1)	4 (↓1)	1 (0)
# OF METRO AREAS (CHANGE)	1 (0)	6 (↑1)	3 (↓1)	1 (0)

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

DATA SOURCES
Maps and figures reflect 7-day average of data from 5/14-5/20 (cases), 5/12-5/18 (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 is 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 is through 5/20/2021.
Testing: CELR (COVID-19 Electronic Lab Reporting) state health department-reported data. Data is through 5/18/2021.
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.

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



* The vertical scale of plots is fixed per row based on the historical peak number of daily cases; use caution when comparing visuals across different rows.

DATA SOURCES

Cases: County-level data is 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 is through 5/20/2021. Last 3 weeks is from 4/30 to 5/20. Counties are listed in order of the number of cases in the last three weeks, from largest to smallest.

METHODS: Details available on last two pages of report.

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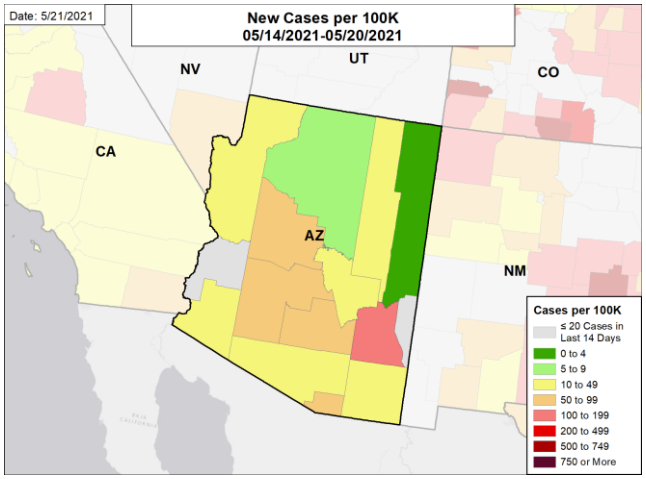
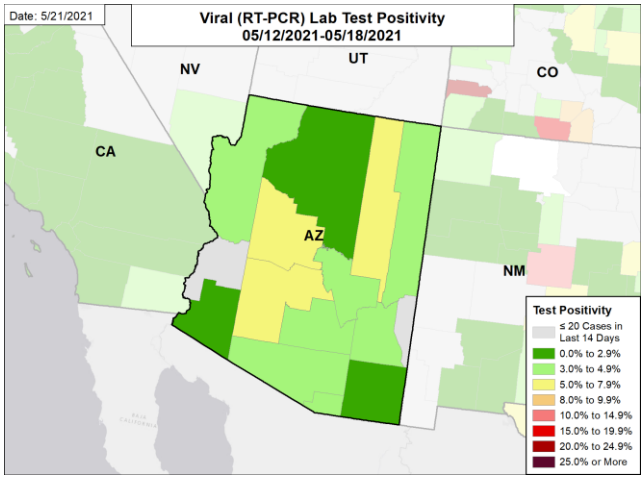
CASE RATES AND VIRAL LAB TEST POSITIVITY

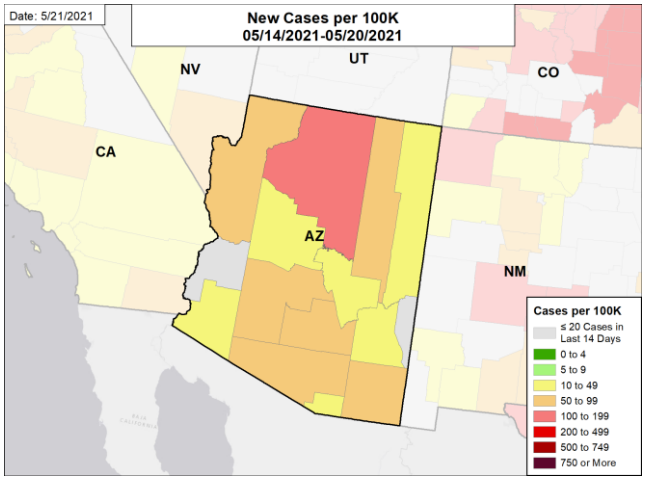
NEW CASES PER 100,000



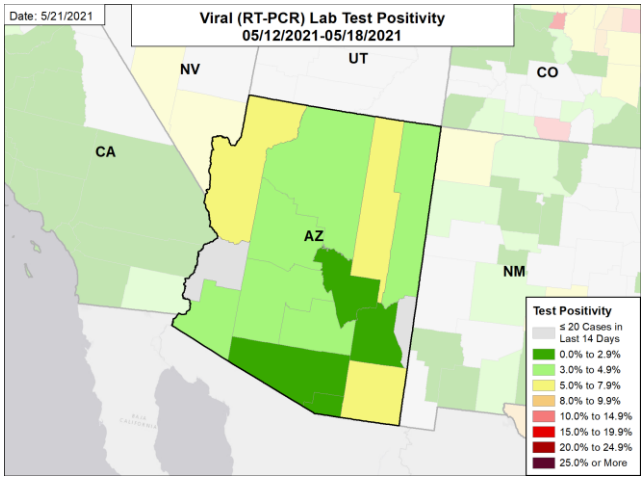
VIRAL (RT-PCR) LABORATORY TEST POSITIVITY



NEW CASES PER 100,000 ONE MONTH BEFORE



VIRAL (RT-PCR) LABORATORY TEST POSITIVITY 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 is 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 is through 5/20/2021. The week one month before is from 4/16 to 4/22.

Testing: CELR (COVID-19 Electronic Lab Reporting) state health department-reported data through 5/18/2021. The week one month before is from 4/14 to 4/20.

METHODS: Details available on last two pages of report.

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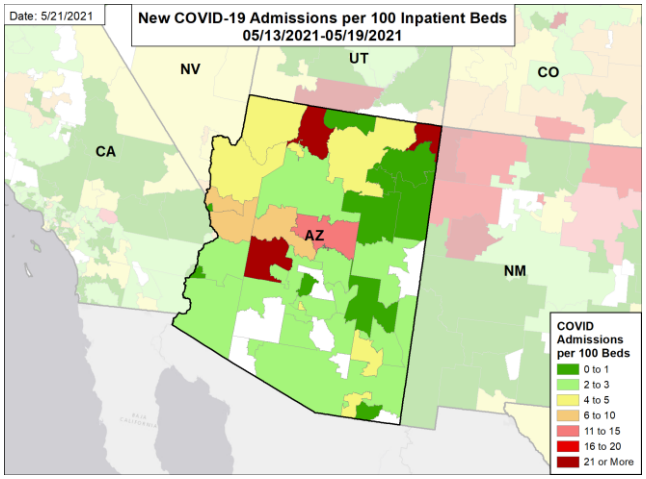
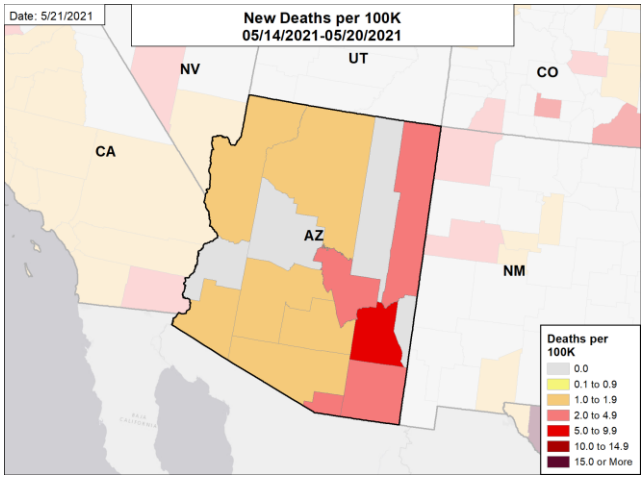
HOSPITAL ADMISSIONS AND DEATH RATES

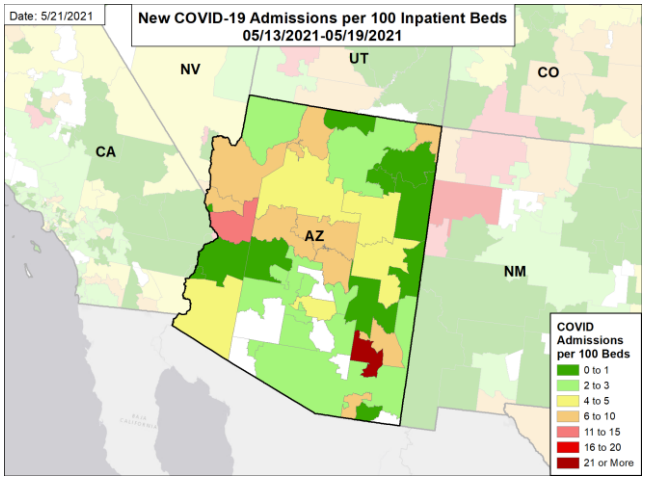
CONFIRMED NEW COVID-19 ADMISSIONS PER 100 INPATIENT BEDS



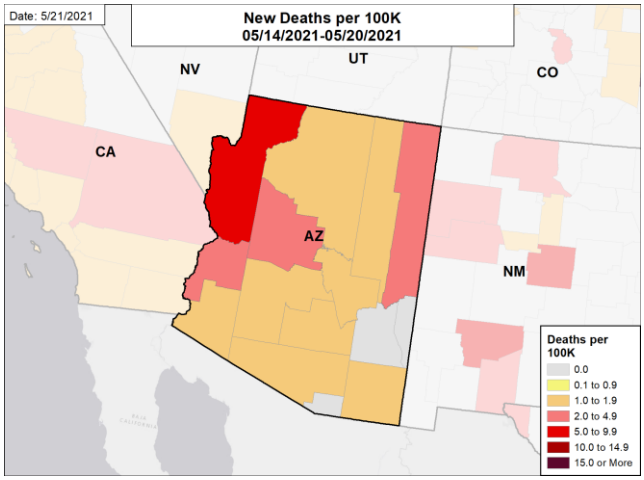
NEW DEATHS PER 100,000



CONFIRMED NEW COVID-19 ADMISSIONS PER 100 INPATIENT BEDS ONE MONTH BEFORE



NEW DEATHS PER 100,000 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.

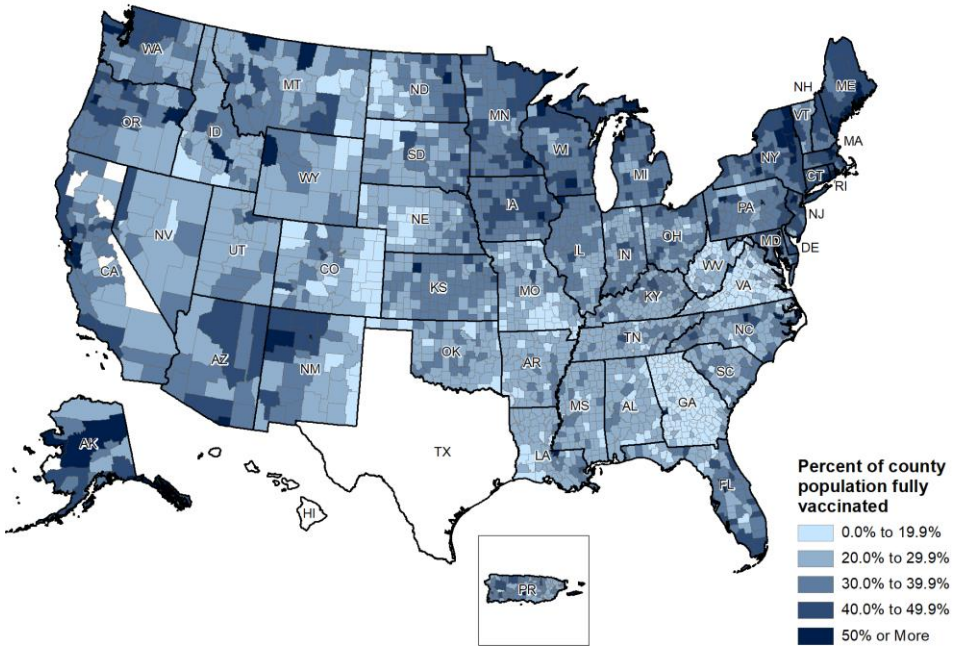
Deaths: County-level data is from a CDC managed aggregate county dataset compiled from state and local health departments; therefore, the values may not match those reported directly by the state. Data is through 5/20/2021. The week one month before is from 4/16 to 4/22.

Hospitalizations: Unified Hospitals Dataset in HHS Protect. Totals include only confirmed COVID-19 admissions. Data is through 5/19/2021. The week one month before is from 4/15 to 4/21.

METHODS: Details available on last two pages of report.

National Picture: Vaccinations

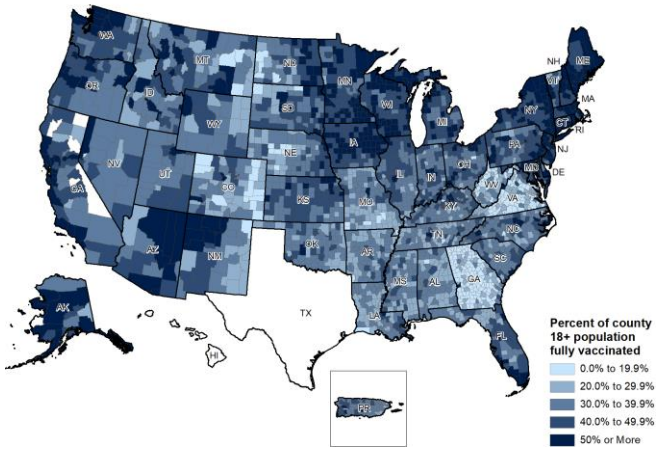
PERCENT OF POPULATION FULLY VACCINATED



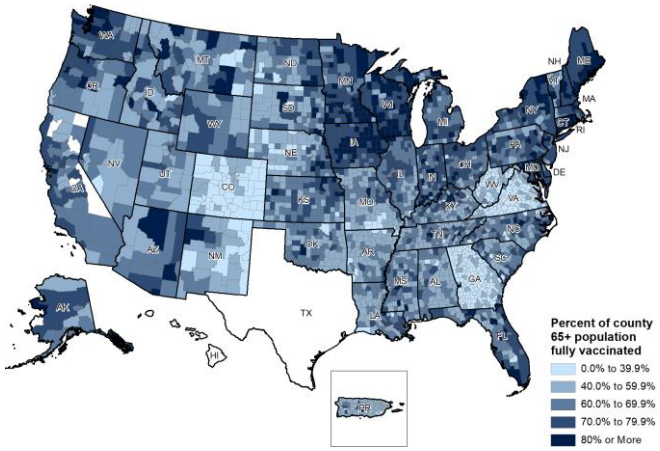
NATIONAL RANKING OF POPULATION FULLY VACCINATED

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

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 14:20 EDT on 05/21/2021. Data last updated 06:00 EDT on 05/21/2021. 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. Currently, few persons under age 18 are being vaccinated; this group represents ~22% of the US population and the percentage varies by jurisdiction. The following states have ≤80% completeness reporting vaccinations by county, which may result in underestimates of vaccination data for counties: NM (79%), VT (74%), CO (71%), WV (54%), VA (51%), GA (48%), TX (0%), and HI (0%).

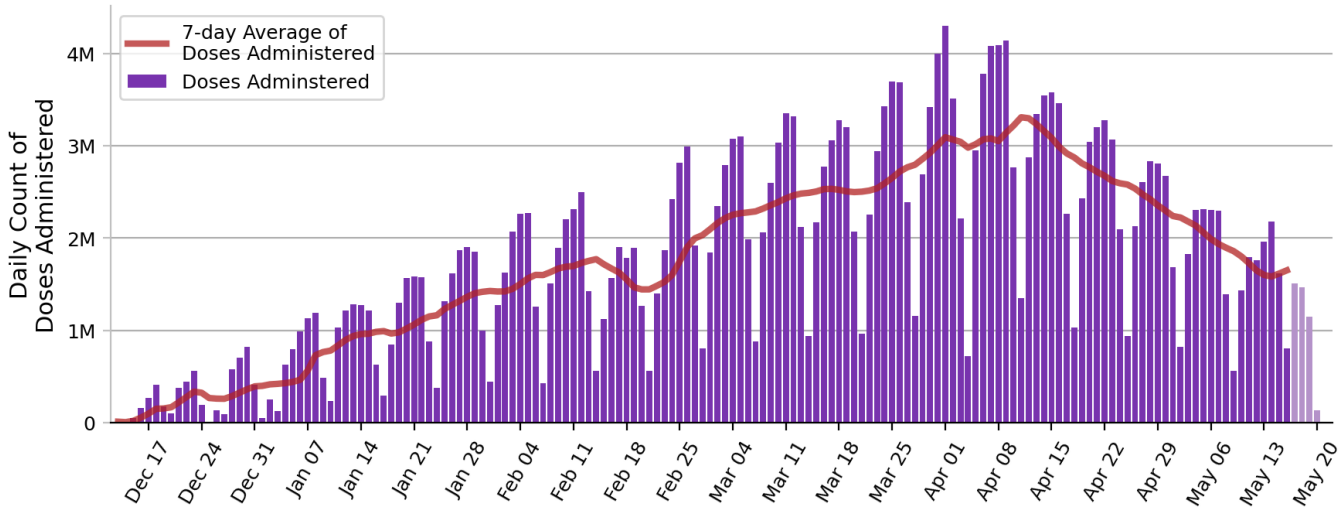
METHODS: Details available on last two pages of report.

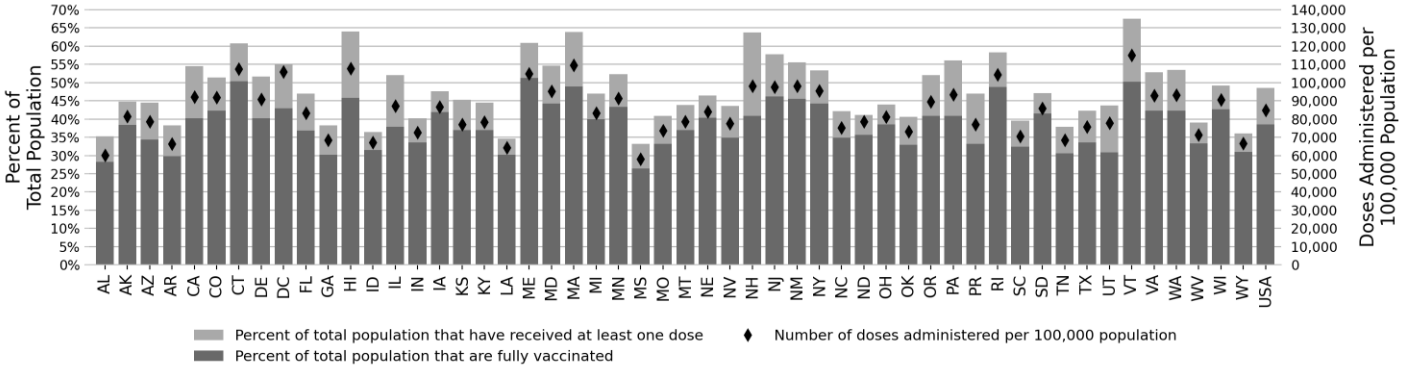
National Picture: Vaccinations

NATIONAL COVID-19 VACCINE SUMMARY AS OF 5/21

DOSES DELIVERED	354,914,965 106,903 per 100k	**DOSES ADMINISTERED**	281,595,351 84,819 per 100k
PEOPLE RECEIVED AT LEAST ONE DOSE	161,278,336 48.6% of total pop.	**PEOPLE FULLY VACCINATED**	127,778,250 38.5% of total pop.
PEOPLE 18+ RECEIVED AT LEAST ONE DOSE	156,852,134 60.7% of 18+ pop.	**PEOPLE 18+ FULLY VACCINATED**	125,950,707 48.8% of 18+ pop.
PEOPLE 65+ RECEIVED AT LEAST ONE DOSE	46,524,478 84.9% of 65+ pop.	**PEOPLE 65+ FULLY VACCINATED**	40,195,084 73.3% of 65+ pop.

DAILY NATIONAL COUNT OF VACCINE DOSES ADMINISTERED BY DATE OF ADMINISTRATION





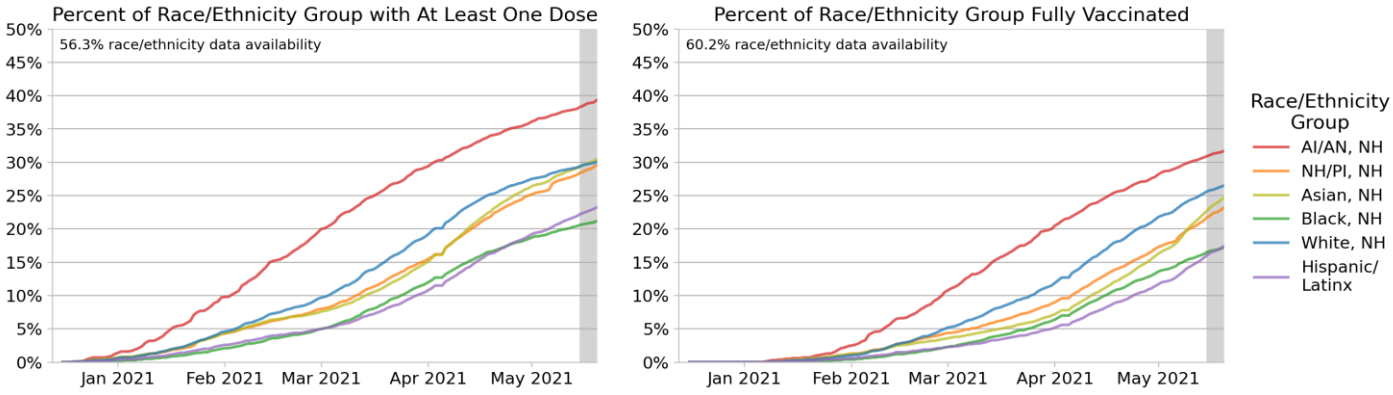
DATA SOURCES

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 14:20 EDT on 05/21/2021. Data last updated 06:00 EDT on 05/21/2021. 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. Currently, few persons under age 18 are being vaccinated; this group represents ~22% of the US population and the percentage varies by jurisdiction. 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.

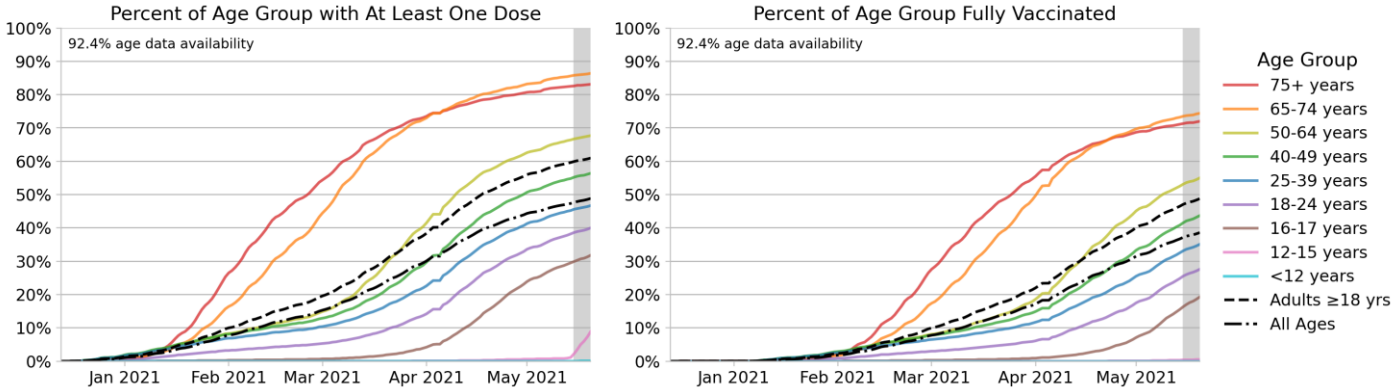
METHODS: Details available on last two pages of report.

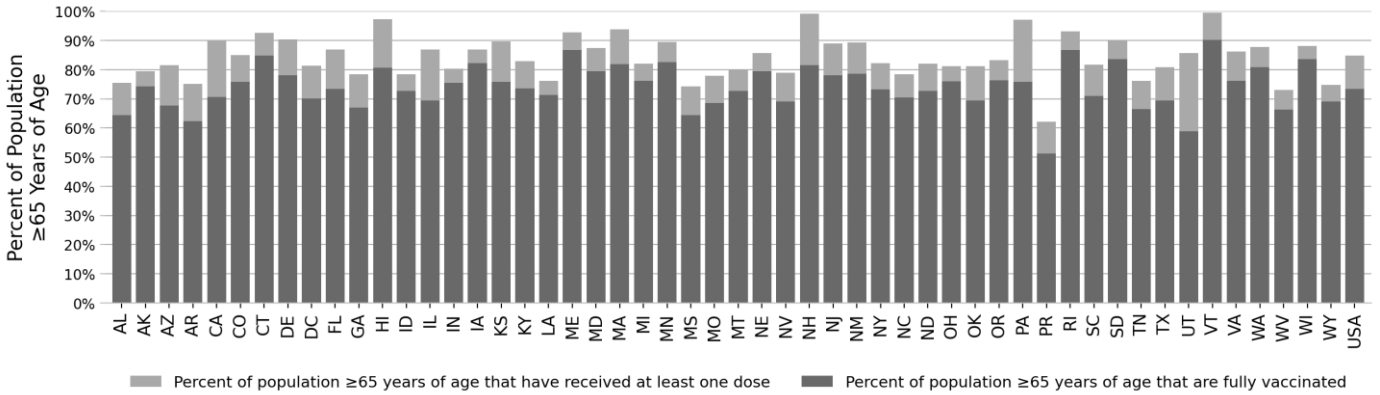
National Picture: Vaccinations

NATIONAL SUMMARY OF VACCINATIONS BY RACE/ETHNICITY



NATIONAL SUMMARY OF VACCINATIONS BY AGE





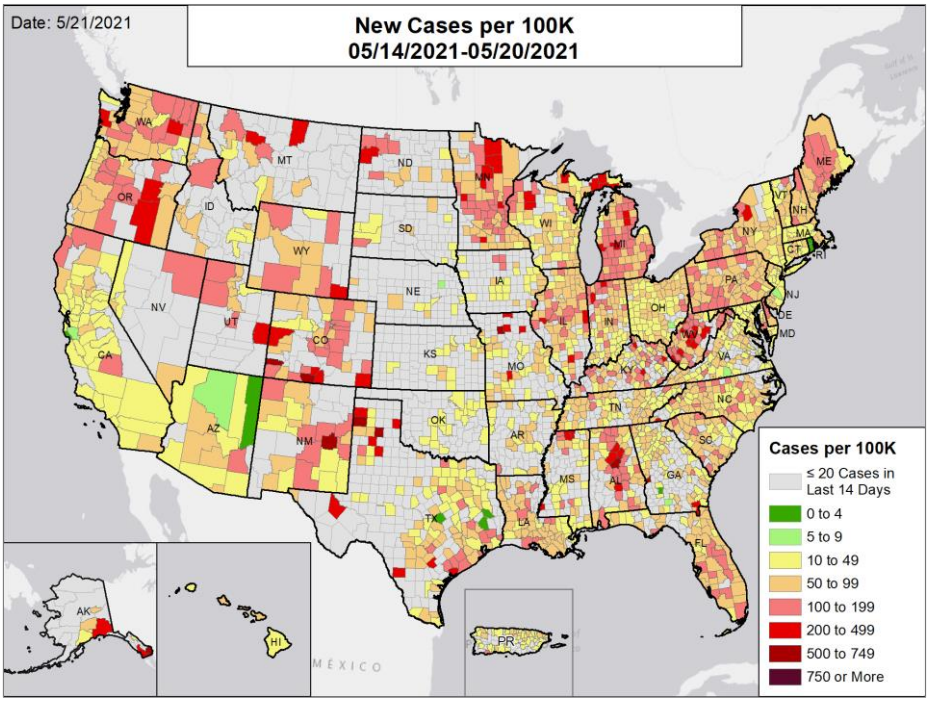
DATA SOURCES

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 14:20 EDT on 05/21/2021. Data last updated 06:00 EDT on 05/21/2021. 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. Currently, few persons under age 18 are being vaccinated; this group represents ~22% of the US population and the percentage varies by jurisdiction. Race/Ethnicity data were available for 56.3% receiving at least one dose and 60.2% fully vaccinated. Age data were available for 92.4% receiving at least one dose and 92.4% 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

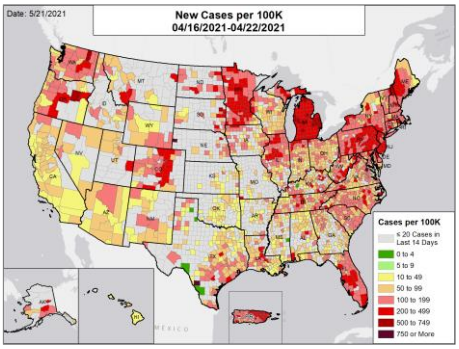


NATIONAL RANKING OF NEW CASES PER 100,000

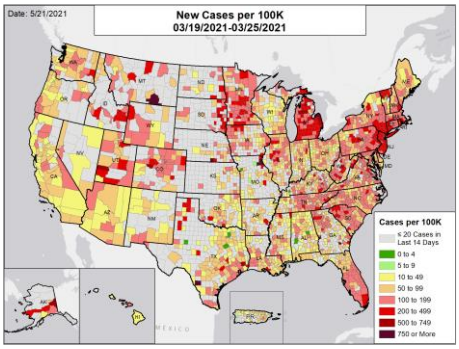
National Rank	State	National Rank	State
1	CA	27	NY
2	OK	28	MA
3	NE	29	NH
4	MD	30	NM
5	DC	31	NV
6	SD	32	UT
7	PR	33	AK
8	VA	34	ID
9	NJ	35	NC
10	KS	36	LA
11	HI	37	RI
12	MS	38	ND
13	TN	39	KY
14	TX	40	PA
15	CT	41	IL
16	IA	42	IN
17	SC	43	WA
18	AL	44	OR
19	GA	45	FL
20	AR	46	MI
21	MO	47	MN
22	VT	48	ME
23	OH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

NEW CASES PER 100,000 IN THE WEEK:

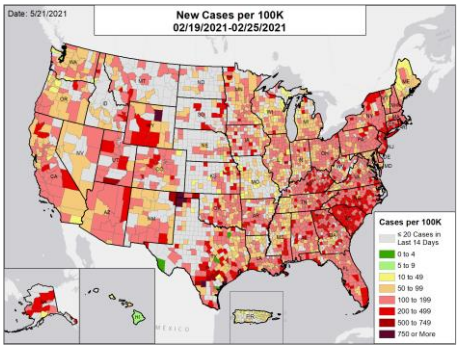
ONE MONTH BEFORE



TWO MONTHS BEFORE



THREE MONTHS BEFORE



DATA SOURCES

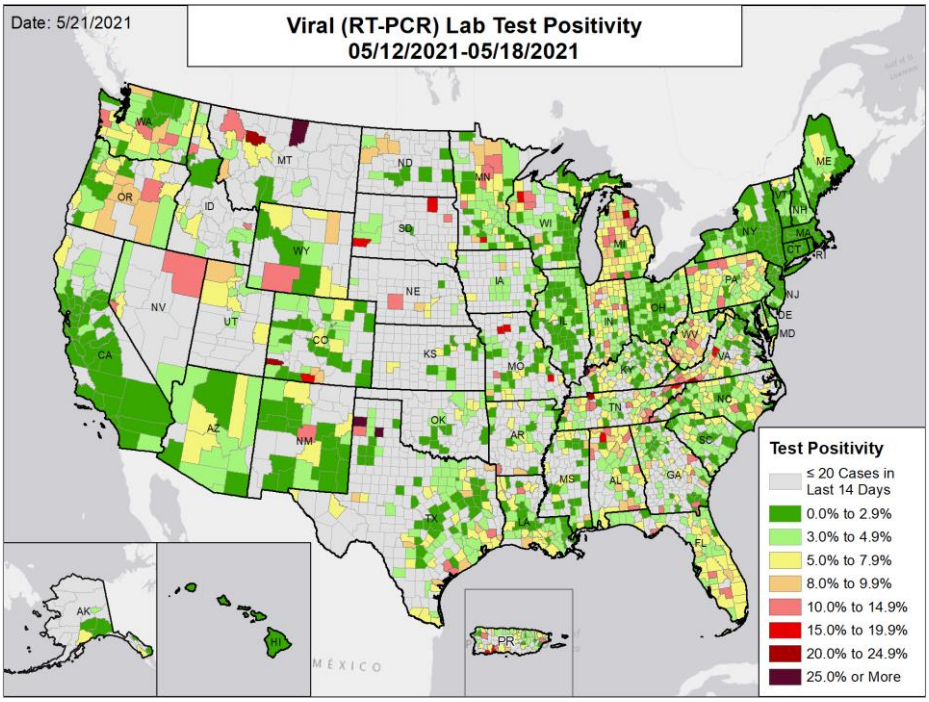
Note: Some dates may have incomplete data due to delays in reporting. Data may be backfilled over time, resulting in week-to-week changes.

Cases: County-level data is 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 4/16 to 4/22; the week two months before is from 3/19 to 3/25; the week three months before is from 2/19 to 2/25. Due to database maintenance, Rhode Island did not allocate cases this week to counties; therefore counties show no cases in the last week whereas they are present in state level data.

METHODS: Details available on last two pages of report.

National Picture: RT-PCR Test Positivity

VIRAL (RT-PCR) LAB TEST POSITIVITY

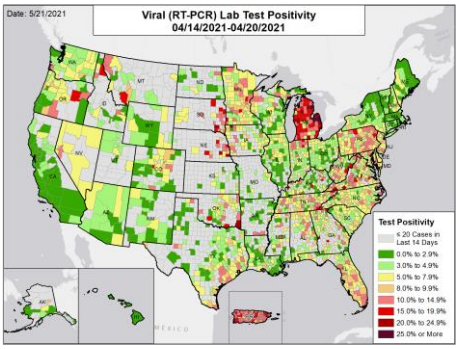


NATIONAL RANKING OF TEST POSITIVITY

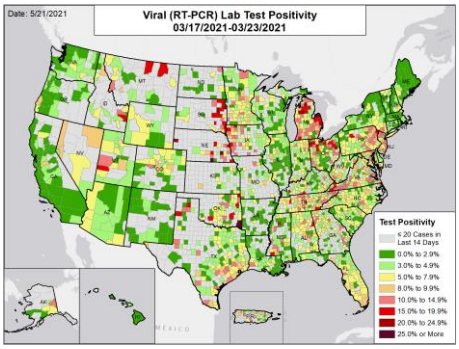
National Rank	State	National Rank	State
1	CA	27	LA
2	MA	28	TX
3	DC	29	MO
4	RI	30	KY
5	CT	31	AR
6	VT	32	IA
7	NY	33	NV
8	AK	34	NC
9	HI	35	MN
10	ME	36	WY
11	NH	37	PR
12	NJ	38	UT
13	IL	39	PA
14	MD	40	ID
15	NM	41	AZ
16	ND	42	OR
17	WI	43	TN
18	VA	44	IN
19	DE	45	WA
20	KS	46	NE
21	MS	47	FL
22	OH	48	MT
23	GA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

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

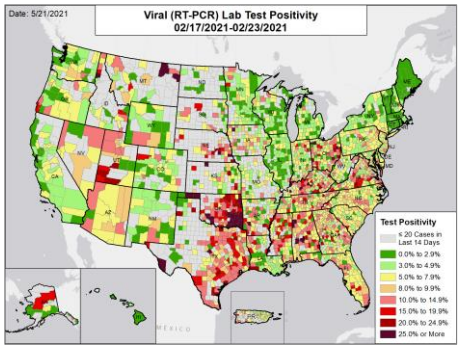
ONE MONTH BEFORE



TWO MONTHS BEFORE



THREE MONTHS BEFORE

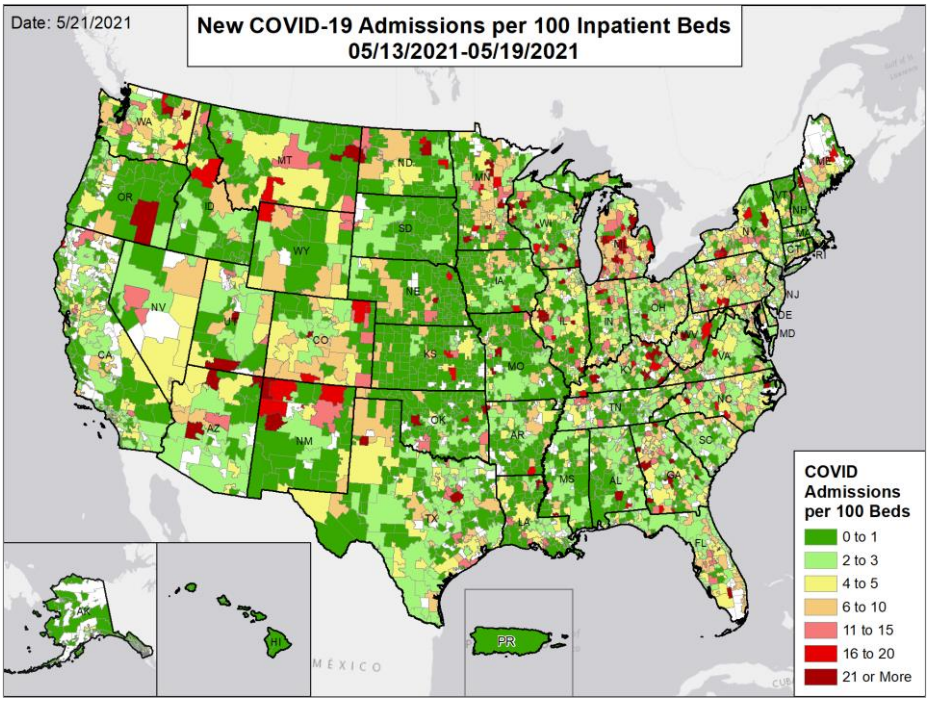


DATA SOURCES

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 5/18/2021. The week one month before is from 4/14 to 4/20; the week two months before is from 3/17 to 3/23; the week three months before is from 2/17 to 2/23.
METHODS: Details available on last two pages of report.

National Picture: Hospital Admissions

CONFIRMED NEW COVID-19 ADMISSIONS PER 100 INPATIENT BEDS

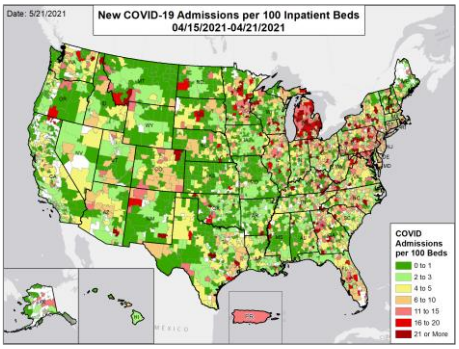


NATIONAL RANKING OF CONFIRMED ADMISSIONS PER 100 BEDS

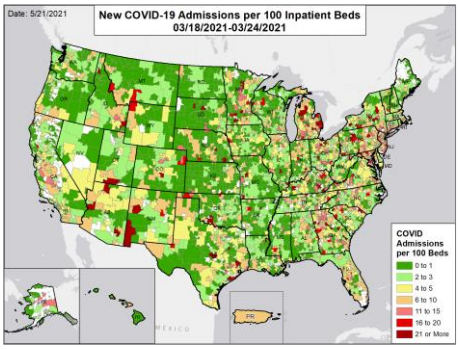
National Rank	State	National Rank	State
1	SD	27	AZ
2	HI	28	MT
3	VT	29	NC
4	PR	30	TX
5	RI	31	WY
6	AK	32	NV
7	KS	33	OH
8	NE	34	UT
9	OK	35	IN
10	MA	36	WA
11	NH	37	IL
12	DC	38	ND
13	MS	39	OR
14	IA	40	WV
15	MO	41	NM
16	CA	42	CT
17	TN	43	ME
18	VA	44	PA
19	AR	45	MN
20	LA	46	CO
21	DE	47	GA
22	SC	48	WI
23	NY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

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

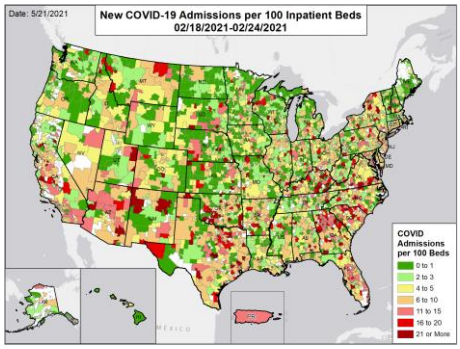
ONE MONTH BEFORE



TWO MONTHS BEFORE



THREE MONTHS BEFORE



DATA SOURCES

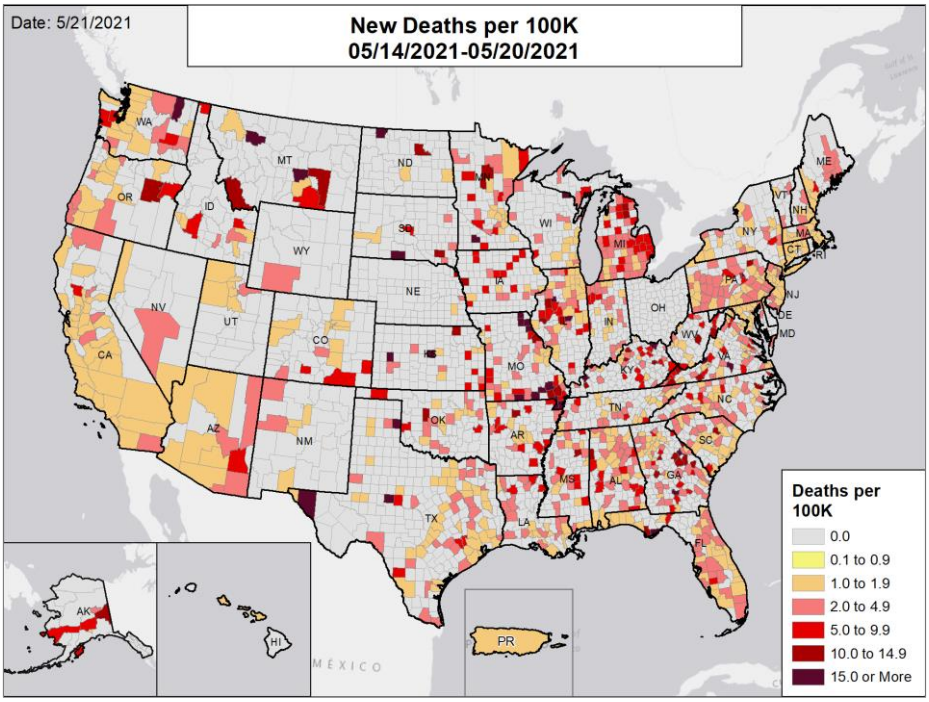
Note: Some dates may have incomplete data due to delays in reporting. Data may be backfilled over time, resulting in week-to-week changes.

Admissions: Unified Hospitals Dataset in HHS Protect through 5/19/2021. 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 4/15 to 4/21; the week two months before is from 3/18 to 3/24; the week three months before is from 2/18 to 2/24.

METHODS: Details available on last two pages of report.

National Picture: Deaths

NEW DEATHS PER 100,000

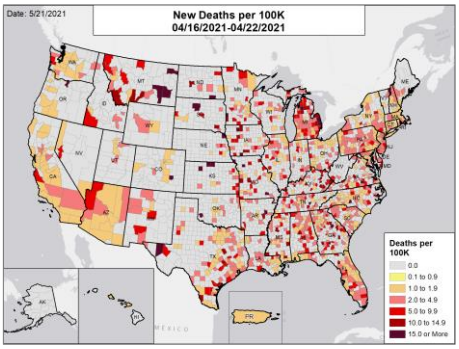


NATIONAL RANKING OF NEW DEATHS PER 100,000

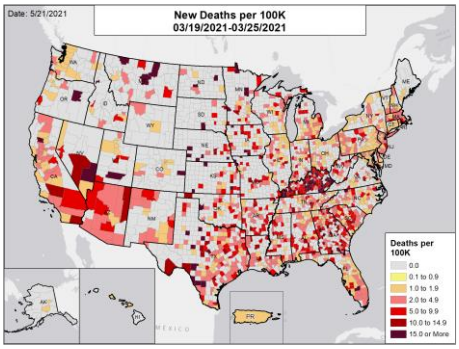
National Rank	State	National Rank	State
1	AL	27	CO
2	WY	28	TX
3	MO	29	VA
4	HI	30	AZ
5	CA	31	WV
6	SC	32	NY
7	ND	33	LA
8	DE	34	MN
9	RI	35	NH
10	VT	36	IN
11	WI	37	CT
12	MS	38	MA
13	MT	39	KY
14	NM	40	GA
15	TN	41	SD
16	UT	42	PR
17	OR	43	ME
18	KS	44	DC
19	AR	45	OH
20	WA	46	NJ
21	MD	47	MI
22	NV	48	IL
23	IA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

NEW DEATHS PER 100,000 IN THE WEEK:

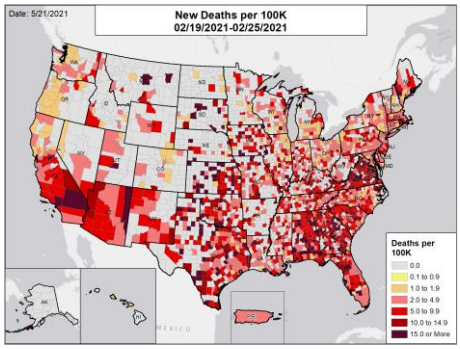
ONE MONTH BEFORE



TWO MONTHS BEFORE



THREE MONTHS BEFORE



DATA SOURCES

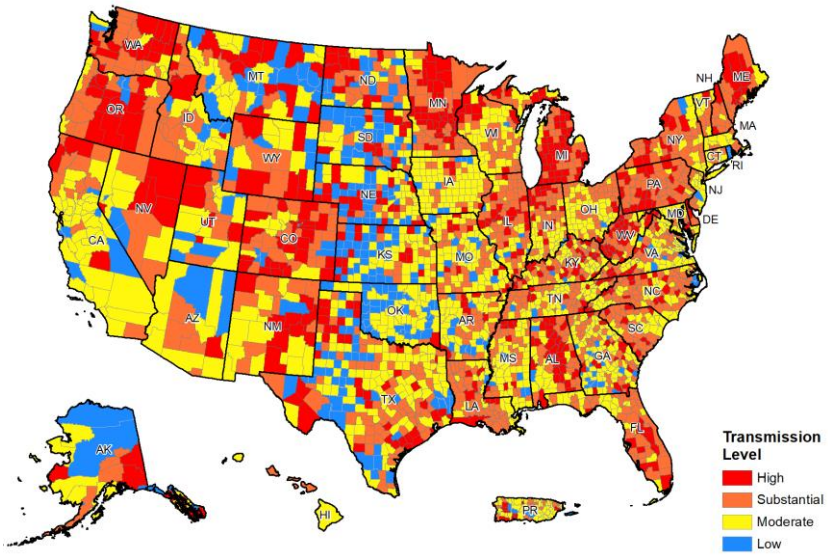
Note: Some dates may have incomplete data due to delays in reporting. Data may be backfilled over time, resulting in week-to-week changes.

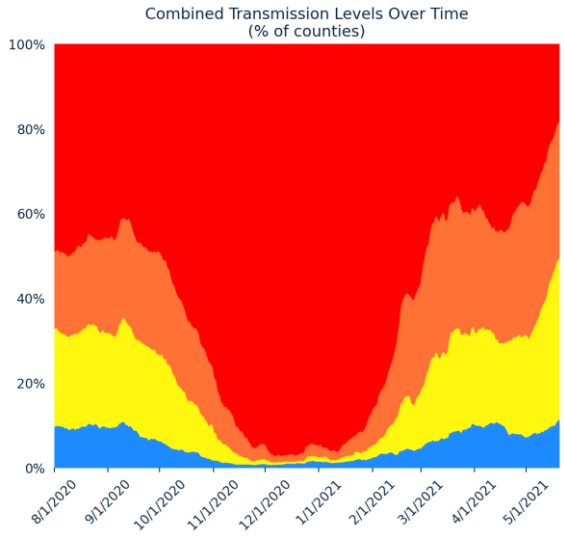
Deaths: County-level data is from a CDC managed aggregate county dataset compiled from state and local health departments; therefore, the values may not match those reported directly by the state. State values are aggregated data provided by the states to the CDC. Puerto Rico is shown at the territory level as deaths are not reported at the municipio level. 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. The week one month before is from 4/16 to 4/22; the week two months before is from 3/19 to 3/25; the week three months before is from 2/19 to 2/25. Nebraska corrected previously reported deaths on 5/15 and 5/19, resulting in a decrease in the total deaths over the pandemic. As such, weekly counts and week-on-week changes are not reflective of true values. Due to database maintenance, Rhode Island did not allocate deaths this week to counties; therefore counties show no deaths in the last week whereas they are present in state level data.

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)	393 (↑92)	1299 (↑195)	1051 (↓37)	477 (↓250)
% OF COUNTIES (CHANGE)	12.2% (↑2.9%)	40.3% (↑6.1%)	32.6% (↓1.1%)	14.8% (↓7.8%)
TEST POSITIVITY	0.0% TO 4.9%	5.0% TO 7.9%	8.0% TO 9.9%	10.0% +
# OF COUNTIES (CHANGE)	2241 (↑266)	605 (↓132)	167 (↓39)	207 (↓95)
% OF COUNTIES (CHANGE)	69.6% (↑8.3%)	18.8% (↓4.1%)	5.2% (↓1.2%)	6.4% (↓3.0%)

COUNTIES BY COMBINED TRANSMISSION LEVEL

CATEGORY	LOW TRANSMISSION BLUE	MODERATE TRANSMISSION YELLOW	SUBSTANTIAL TRANSMISSION ORANGE	HIGH TRANSMISSION RED
# OF COUNTIES (CHANGE)	358 (↑79)	1221 (↑221)	1041 (↓1)	600 (↓299)
% OF COUNTIES (CHANGE)	11.1% (↑2.5%)	37.9% (↑6.9%)	32.3% (↓0.0%)	18.6% (↓9.3%)

DATA SOURCES

Maps and figures reflect 7-day average of data from 5/14-5/20 (cases), 5/12-5/18 (tests).

Note: Most recent days may have incomplete reporting.

Cases: County-level data is 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 is through 5/20/2021. Due to database maintenance, Rhode Island did not allocate cases this week to counties; therefore counties show no cases in the last week whereas they are present in state level data.

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). Data is through5/18/2021.

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

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- 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. 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.
- All population values are vintage 2019 US Census data.
- **Cases and Deaths:** County-level data is 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 is as of 12:51 EDT on 05/21/2021. Due to database maintenance, Rhode Island did not allocate cases or deaths this week to counties; therefore counties show no cases or deaths in the last week whereas they are present in state level data. Nebraska corrected previously reported deaths on 5/15 and 5/19, resulting in a decrease in the total deaths over the pandemic. As such, weekly counts and week-on-week changes are not reflective of true values.
  - 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 (5/7/21 – 5/20/21) are:
    - Alabama cases: 938 on 5/12 and 3,639 on 5/13
    - Alabama deaths: 33 on 5/19
    - California deaths: 182 on 5/19
    - District of Columbia cases: 42 on 5/15
    - Kentucky deaths: 1 on 5/7; 1 on 5/8; 2 on 5/10; 1 on 5/12; 3 on 5/13; and 2 on 5/20
    - Michigan deaths: 27 on 5/18 and 61 on 5/20
    - Mississippi cases: 406 on 5/17
    - Mississippi deaths: 3 on 5/13; 3 on 5/16; and 5 on 5/17
    - Texas cases: 251 on 5/7; 241 on 5/8; 58 on 5/9; 6 on 5/10; 265 on 5/11; 275 on 5/12; 173 on 5/13; 216 on 5/14; 305 on 5/15; 55 on 5/16; 7 on 5/17; 468 on 5/18; 246 on 5/19; and 239 on 5/20
- **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 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. Because the data are deidentified, total RT-PCR tests are the number of tests performed, not the number of individuals tested. RT-PCR test 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 5/12 to 5/18; previous week data are from 5/5 to 5/11; the week one month before data are from 4/14 to 4/20. For number of tests, last week data are from 5/8 to 5/14; previous week data are from 5/1 to 5/7. HHS Protect data is recent as of 10:17 EDT on 05/21/2021. Testing data are inclusive of everything received and processed by the CELR system as of 19:00 EDT on 05/20/2021.
- **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 is recent as of 10:09 EDT on 05/21/2021.
- **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 is recent as of 10:12 EDT on 05/21/2021.
- **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 5/10-5/16, previous week is 5/3-5/9.
- **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 is recent as of 10:12 EDT on 05/21/2021.
- **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 14:20 EDT on 05/21/2021. Data last updated 06:00 EDT on 05/21/2021. 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. Because COVID-19 vaccines available in the U.S. are authorized only for persons ≥16 years of age (Pfizer-BioNTech) or ≥18 years of age (Moderna and J&J/Janssen), currently few persons under age 18 are being vaccinated; this group represents ~22% of the U.S. population and the percentage varies by jurisdiction. The following states have ≤80% completeness reporting vaccinations by county, which may result in underestimates of vaccination data for counties: NM (79%), VT (74%), CO (71%), WV (54%), VA (51%), GA (48%), TX (0%), 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 April 24, 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 5/18. Data pulled 14:27 EDT on 05/20/2021.

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%	
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%			
Confirmed and suspected new COVID-19 hospital admissions per 100 beds	≤2	3 – 5	6 – 10	11 – 15	16 – 20	21 – 25	≥26	
Confirmed new COVID-19 hospital admissions per 100 beds	≤1	2 – 3	4 – 5	6 – 10	11 – 15	16 – 20	≥21	
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 – 35.0%	35.1 – 40.0%	40.1 – 45.0%	45.1 – 50.0%	≥50.1%