



COVID-19

COVID DATA TRACKER WEEKLY REVIEW

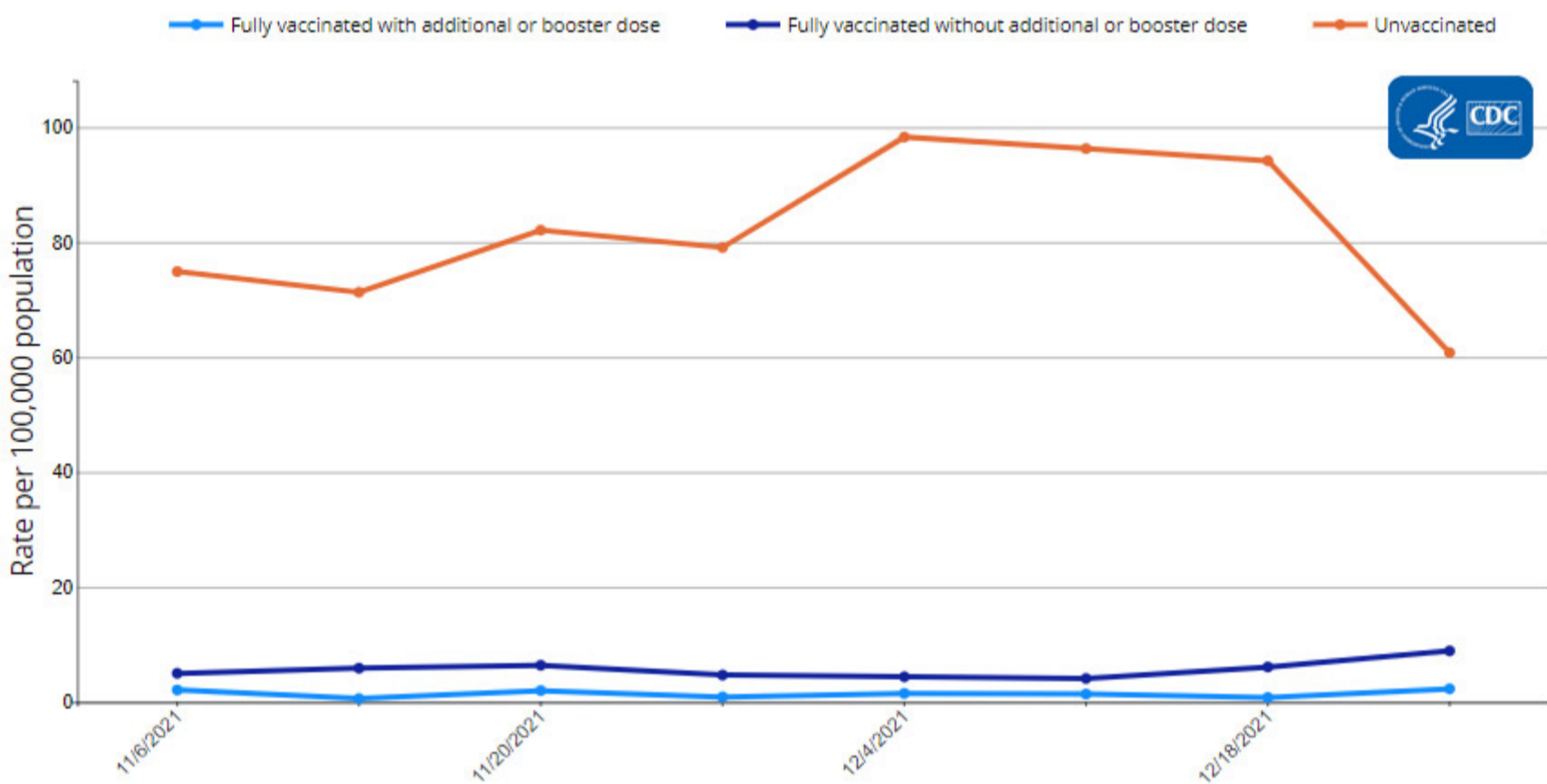
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Interpretive Summary for January 28, 2022

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Hospitalization rates per 100,000 population for fully vaccinated and boosted, fully vaccinated without booster and unvaccinated



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COVID-19 [cases](#) and [hospitalizations](#) are starting to decline across the United States. However, [deaths](#) are still rising, and [community transmission](#) is still high nationwide. As of January 27, 2022, more than 211 million people in the United States have received a primary series of a COVID-19 vaccine and are considered fully vaccinated. More than 86 million people are [up to date](#) with their COVID-19 vaccines, which means they have received all recommended COVID-19 vaccine doses, including [boosters](#).

Two new CDC reports show that people who are up to date with their COVID-19 [vaccines](#) have the highest amount of protection against both the [Delta](#) and [Omicron](#) variants.^{1,2} One [report](#) found that, compared to up-to-date adults, unvaccinated adults had five times the risk of infection and more than 50 times the risk of COVID-19-associated death. A second [report](#) found that a third dose (either an additional primary dose or booster dose) of an [mRNA COVID-19 vaccine](#) (Pfizer-BioNTech or Moderna) was highly effective at preventing emergency and urgent care visits and hospitalizations related to COVID-19. COVID-19 [cases](#) and [hospitalizations](#) are starting to decline across the United States. However, [deaths](#) are still rising, and [community transmission](#) is still high nationwide. As of January 27, 2022, more than 211 million people in the United States have received a primary series of a COVID-19 vaccine and are considered fully vaccinated.

The U.S. COVID-19 Vaccination Program began December 14, 2020. As of January 27, 2022, 536.4 million vaccine doses have been administered in the United States. Overall, about 249.3 million people, or 75.1% of the total U.S. population, have received at least one dose of vaccine. About 211.2 million people, or 63.6% of the total U.S. population, have been fully vaccinated.* About 86.5 million additional or booster doses have been reported in people who have been fully vaccinated; however, 51.8% of the total booster-eligible population has not yet received a booster dose. As of January 27, 2022, the 7-day average number of administered vaccine doses reported (by date of CDC report) to CDC per day was 643,725, a 41.2% decrease from the previous week.

What's New

- COVID Data Tracker's [County View](#) tab now displays booster dose data at the state level.
- COVID Data Tracker's [COVID-19 Vaccine Effectiveness](#) tab now includes a new data source, Protect.
- [Effectiveness of a Third Dose of mRNA Vaccines against COVID-19-associated Emergency Department and Urgent Care Encounters and Hospitalizations during Periods of Delta and Omicron Variant Predominance — VISION Network, Ten States, August 2021–January 2022, MMWR](#)
- [COVID-19 Incidence and Death Rates Among Unvaccinated and Fully Vaccinated Adults with and Without Booster Doses During Periods of Delta and Omicron Variant Emergence — 25 U.S. Jurisdictions, April 4–December 25, 2021](#)
- [Effectiveness of a Third Dose of Pfizer-BioNTech and Moderna Vaccines in Preventing COVID-19 Hospitalization Among Immunocompetent and Immunocompromised Adults — United States, August–December 2021](#)
- [COVID-19 Cases and Hospitalizations by COVID-19 Vaccination Status and Previous COVID-19 Diagnosis — California and New York, May–November 2021](#)
- [Trends in Disease Severity and Health Care Utilization During the Early Omicron Variant Period Compared with Previous SARS-CoV-2 High Transmission Periods — United States, December 2020–January 2022](#)

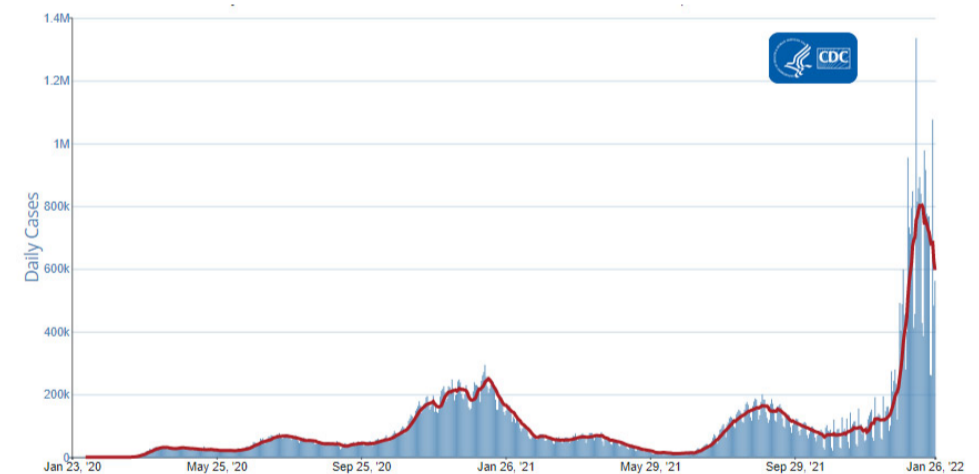
Reported Cases

As of January 26, 2022, the current 7-day moving average of daily new cases (596,860) decreased 19.9% compared with the previous 7-day moving average (744,806). A total of 72,874,041 COVID-19 cases have been reported in the United States as of January 26, 2022.

Currently two variants, [Omicron](#) and [Delta](#), are classified as [Variants of Concern \(VOC\)](#) in the United States. CDC [Nowcast projections*](#) for the week ending January 22, 2022, predict the national proportion of Omicron to be 99.9% (95% PI 99.8-99.9%) and Delta to be 0.1% (95% PI 0.1-0.2%). Omicron is predicted to be greater than 99% in all HHS regions.

Daily Trends in COVID-19 Cases in the United States Reported to CDC

7-Day moving average



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[More Case Data](#)

72,874,041
Total Cases Reported

596,860
Current 7-Day Average**

744,806
Prior 7-Day Average

-19.9%
Change in 7-Day Average
since Prior Week

*The median time from specimen collection to sequence data reporting is about 3 weeks. As a result, weighted estimates for the most recent few weeks may be unstable or unavailable. CDC's

Nowcast is a data projection tool that helps fill this gap by generating timely estimates of variant proportions for variants that are circulating in the United States. View Nowcast estimates on CDC's COVID Data Tracker website on the [Variant Proportions](#) page.

**Historical cases are excluded from daily new cases and 7-day average calculations until they are incorporated into the dataset for the applicable date. Of 399,384 historical cases reported retroactively, none were reported in the current week and 46,706 were reported in the prior week.

Vaccinations

The U.S. COVID-19 Vaccination Program began December 14, 2020. As of January 27, 2022, 536.4 million vaccine doses have been administered in the United States. Overall, about 249.3 million people, or 75.1% of the total U.S. population, have received at least one dose of vaccine. About 211.2 million people, or 63.6% of the total U.S. population, have been fully vaccinated.* About 86.5 million additional or booster doses have been reported in people who have been fully vaccinated; however, 51.8% of the total booster-eligible population has not yet received a booster dose. As of January 27, 2022, the 7-day average number of administered vaccine doses reported (by date of CDC report) to CDC per day was 643,725, a 41.2% decrease from the previous week.

CDC's COVID Data Tracker [Vaccination Demographic Trends](#) tab shows vaccination trends by age group. As of January 27, 2022, 95.0% of people ages 65 years or older have received at least one dose of vaccine and 88.3% are fully vaccinated. For people ages 18 years or older, 86.7% have received at least one dose of vaccine and 74.0% are fully vaccinated. For people ages 12 years or older, 84.9% have received at least one dose of vaccine and 72.4% are fully vaccinated. For people ages 5 years or older, 79.8% have received at least one dose of vaccine and 67.6% are fully vaccinated.

536,370,947
Vaccine Doses Administered

249,267,851
People who received at least one dose

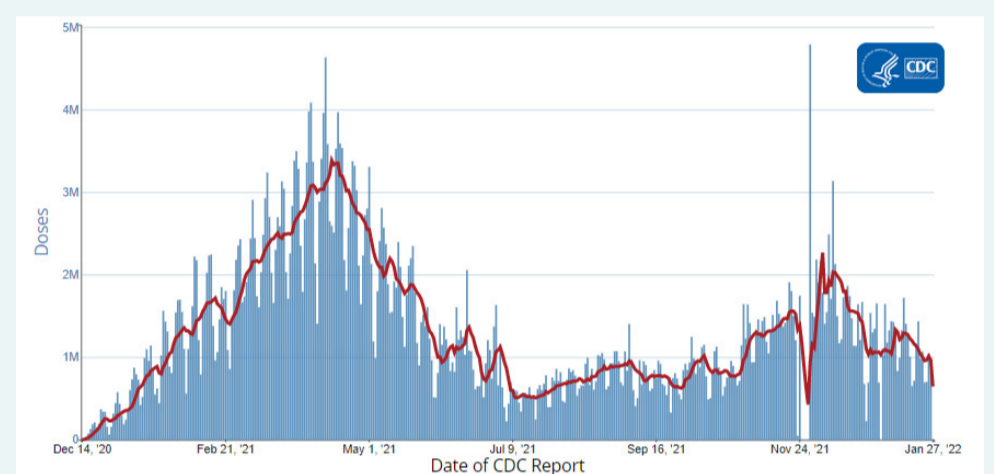
75.1%
Percentage of the U.S. population that has received at least one dose

211,162,083
People who are fully vaccinated*

63.6%
Percentage of the U.S. population that has been fully vaccinated*

Daily Change in the Total Number of Administered COVID-19 Vaccine Doses Reported to CDC by the Date of CDC Report, United States

7-Day moving average



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-0.2
Percentage point
increase from last week

+0.4
Percentage point
increase from last week

*Represents the number of people who have received the second dose in a two-dose COVID-19 vaccine series (such as the [Pfizer](#) or [Moderna](#) vaccines) or one dose of the single-shot [Johnson & Johnson's Janssen](#) vaccine.

Hospitalizations

New Hospital Admissions

The current 7-day daily average for January 19–25, 2022, was 19,315. This is an 8.8% decrease from the prior 7-day average (21,169) from January 12–18, 2022.

4,203,448
Total New Admissions

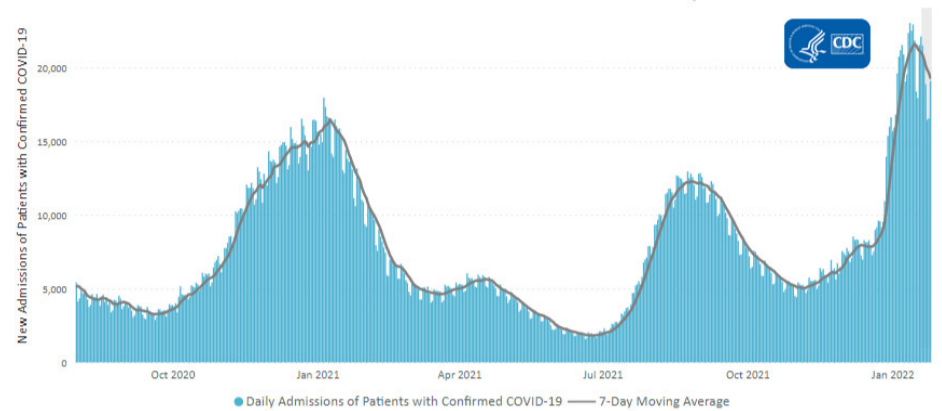
19,315
Current 7-Day Average

21,169
Prior 7-Day Average

-8.8%
Change in 7-Day Average

The start of consistent reporting of hospital admissions data was August 1, 2020.

Daily Trends in Number of New COVID-19 Hospital Admissions in the United States



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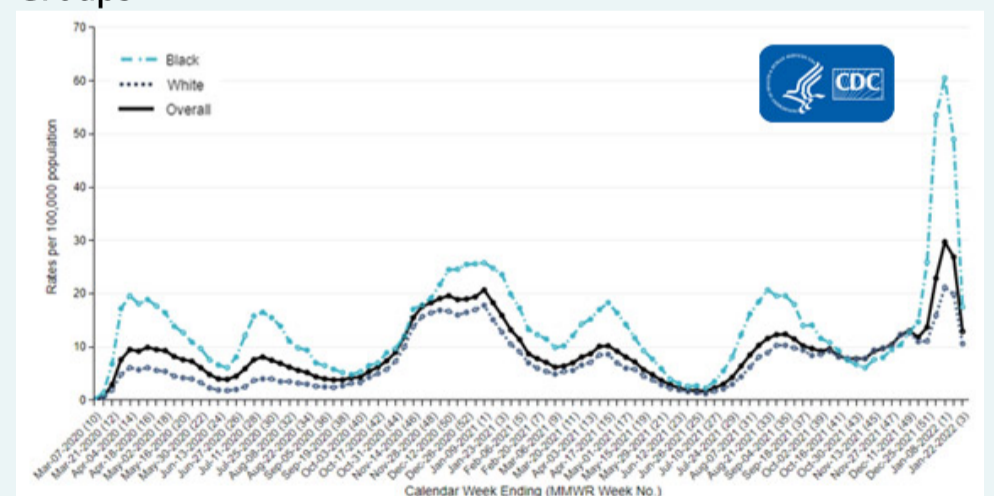
New admissions are pulled from a 10 am EST snapshot of the HHS Unified Hospital Timeseries Dataset. Due to potential reporting delays, data from the most recent 7 days, as noted in the figure above with the grey bar, should be interpreted with caution. Small shifts in historic data may also occur due to changes in the Centers for Medicare and Medicaid Services (CMS) Provider of Services file, which is used to identify the cohort of included hospitals.

[More Hospital Data](#)

COVID-NET: Trends in Hospitalizations among Non-Hispanic Black People

CDC's [Coronavirus Disease 2019-Associated Hospitalization Surveillance Network \(COVID-NET\)](#) shows that since the start of the pandemic, people from racial and ethnic minority groups have experienced disproportionately higher rates of COVID-19-associated hospitalizations compared to non-Hispanic White people. Beginning in mid-December, the weekly COVID-19-associated hospitalization rates for non-Hispanic Black people have risen sharply, especially when compared to other groups. For the week ending January 8, 2021, preliminary data not adjusted for age show rates of COVID-19-associated hospitalizations in non-Hispanic Black people were 60.5 per 100,000 population—more than twice as high as the overall weekly rate of hospitalization (29.7 per 100,000 population) and almost 3 times as high as rates among non-Hispanic White people (21.2 per 100,000 population).

Hospitalization Rates among Select Race and Ethnicity Groups



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The Coronavirus Disease 2019 (COVID-19)-Associated Hospitalization Surveillance Network (COVID-NET) is an additional source for hospitalization data collected through a network of more than 250 acute-care hospitals in 14 states (representing ~10% of the U.S. population). Detailed data on patient demographics, including

race/ethnicity, underlying medical conditions, medical interventions, and clinical outcomes, are collected with a [standardized case reporting form](#).

[More COVID-NET Data](#)

Deaths

The current 7-day moving average of new deaths (2,288) has increased 25.1% compared with the previous 7-day moving average (1,829). As of January 26, 2022, a total of 873,957 COVID-19 deaths have been reported in the United States.

873,957
Total Deaths Reported

2,288
Current 7-Day Average*

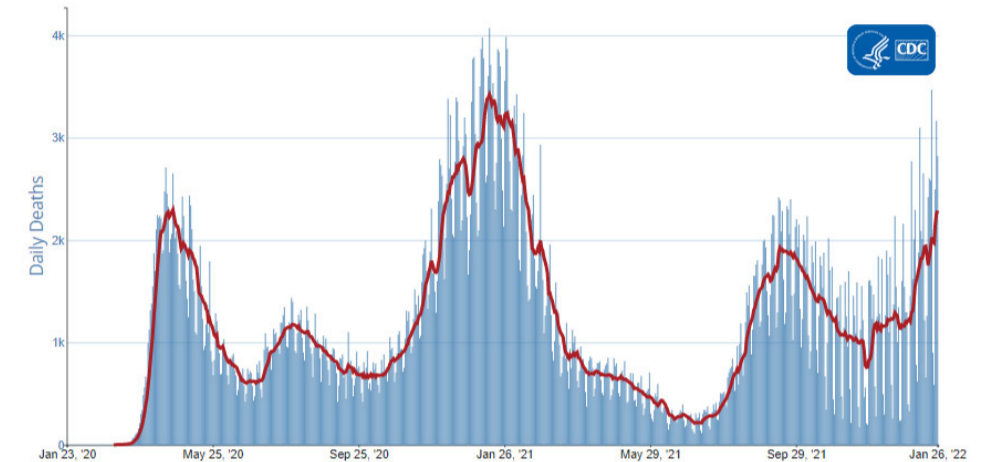
1,829
Prior 7-Day Average

25.1%
Change in 7-Day Average Since Prior Week

*Historical deaths are excluded from the daily new deaths and 7-day average calculations until they are incorporated into the dataset by their applicable date. Of 19,981 historical deaths reported retroactively, 548 were reported in the current week; and 418 were reported in the prior week.

Daily Trends in Number of COVID-19 Deaths in the United States Reported to CDC

7-Day moving average



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[More Death Data](#)

Testing

The percentage of COVID-19 NAATs (nucleic acid amplification tests)* that are positive (percent positivity) is decreasing in comparison to the previous week. The 7-day average of percent positivity from NAATs is now 23.9%. The 7-day average number of tests reported for January 14-20, 2022, was 2,187,066, down 8.2% from 2,382,767 for the prior 7 days.

774,202,680
Total Tests Reported

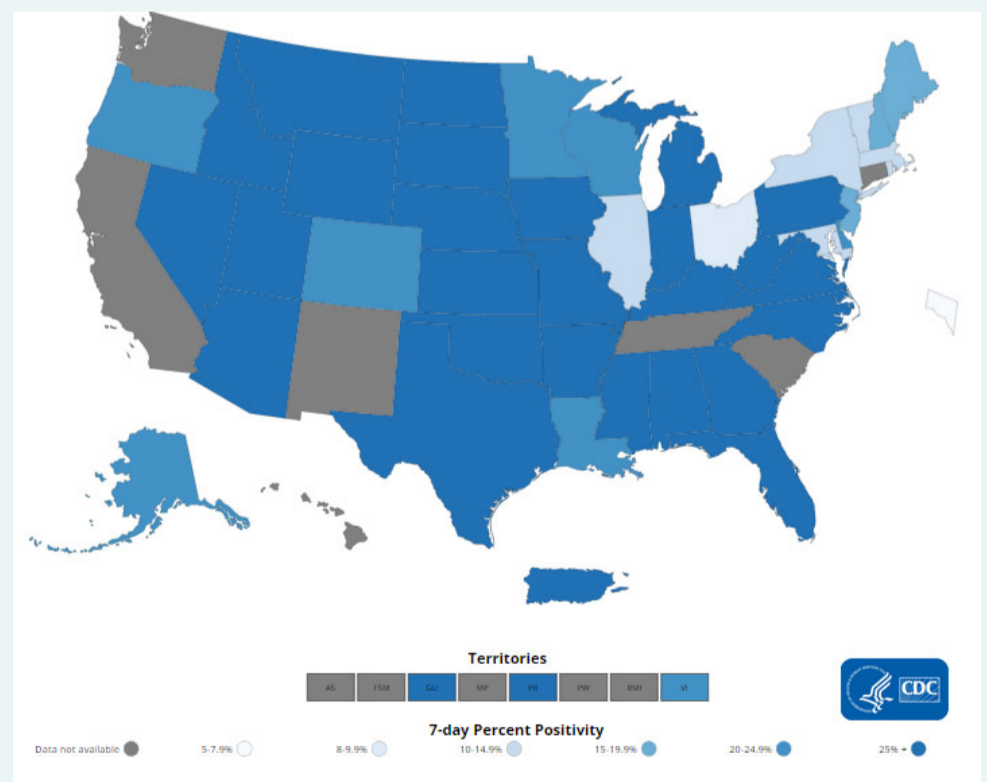
2,187,066
7-Day Average Tests Reported

23.9%
7-Day Average % Positivity

26.9%
Previous 7-Day Average % Positivity

-3.02
Percentage point change in 7-Day

COVID-19 NAAT Laboratory Test 7-day Percent Positivity by State/Territory



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[More Testing Data](#)

Average % Positivity since Prior Week

*Test for SARS-CoV-2, the virus that causes COVID-19

References

1. Effectiveness of a Third Dose of mRNA Vaccines Against COVID-19–Associated Emergency Department and Urgent Care Encounters and Hospitalizations Among Adults During Periods of Delta and Omicron Variant Predominance — VISION Network, 10 States, August 2021–January 2022
2. COVID-19 Incidence and Death Rates Among Unvaccinated and Fully Vaccinated Adults with and Without Booster Doses During Periods of Delta and Omicron Variant Emergence — 25 U.S. Jurisdictions, April 4–December 25, 2021