



COVID-19

— COVID DATA TRACKER WEEKLY REVIEW —

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Interpretive Summary for September 9, 2022

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Fall Boost

On September 1, CDC [recommended](#) that everyone ages 12 years and older in the United States receive an updated COVID-19 booster before a possible surge in COVID-19 illnesses later this fall and winter. Like the original boosters, the updated doses help restore protection that might have gone down since your last dose—but they also give extra protection for yourself and those around you against the most recent variants.

The updated booster is a bivalent vaccine because it targets two [Omicron](#) subvariants: BA.4 and BA.5. These newest subvariants are more contagious and able to evade protection that your body might have against earlier subvariants. Data suggest that the updated boosters also increase our immune response, which will help protect us against future variants.

Being [up to date](#) with COVID-19 vaccines is the best way to protect against severe illness, hospitalization, and death associated with COVID-19. Everyone who is eligible—including those who are moderately to severely [immunocompromised](#)—is recommended to receive one dose of the updated bivalent booster at least two months after their last dose (either the final primary series or the last booster). The [Moderna COVID-19 Vaccine, Bivalent](#) [↗](#) is authorized for use as single booster dose in people ages 18 years and older. The [Pfizer-BioNTech COVID-19 Vaccine, Bivalent](#) [↗](#) is authorized for use as a single booster dose in people ages 12 years and older. To find a vaccine provider near you, visit [vaccines.gov](#).

Note to readers: Flu season is approaching. CDC recommends getting both a COVID-19 vaccine and a [flu shot](#) at the same visit. If you haven't gotten your currently recommended dose of COVID-19 vaccine, get it as soon as you can, along with your flu vaccine.

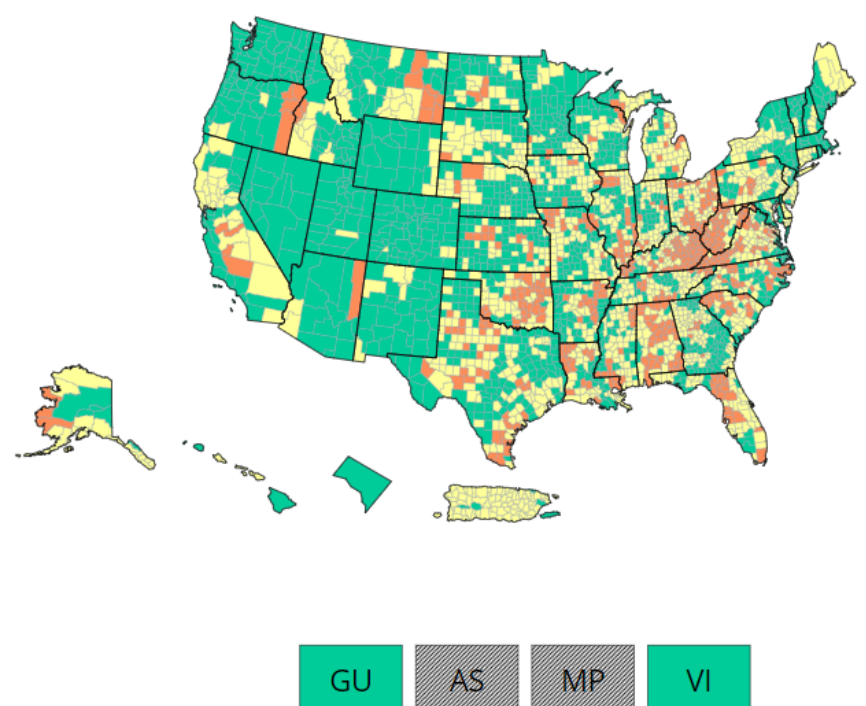
What's New

- COVID Data Tracker now includes a new [Maps of COVID-19 Vaccinations by Age Group and Sex Over Time](#) tab, which displays recent and historic maps of COVID-19 vaccinations by defined age groups and sex.
- [Laboratory-Confirmed COVID-19–Associated Hospitalizations Among Adults During SARS-CoV-2 Omicron BA.2 Variant Predominance — COVID-19–Associated Hospitalization Surveillance Network, 14 States, June 20, 2021–May 31, 2022](#)
- [Parental Intentions and Perceptions Toward COVID-19 Vaccination Among Children Aged 4 Months to 4 Years — PROTECT Cohort, Four States, July 2021–May 2022](#)[COVID-19 mRNA Vaccine Safety Among Children Aged 6 Months–5 Years — United States, June 18, 2022–August 21, 2022](#)
- [COVID-19 mRNA Vaccine Safety Among Children Aged 6 Months–5 Years — United States, June 18, 2022–August 21, 2022](#)
- [Booster COVID-19 Vaccinations Among Persons Aged ≥5 Years and Second Booster COVID-19 Vaccinations Among Persons Aged ≥50 Years — United States, August 13, 2021–August 5, 2022](#)

COVID-19 Community Levels

As of September 8, 2022, there are 555 (17.2%) counties, districts, or territories with a high COVID-19 Community Level, 1,278 (39.7%) counties with a medium Community Level, and 1,387 (43.1%) counties with a low Community Level. Compared with last week, this represents a large decrease (–8.6 percentage points) in the number of high-level counties, a marginal decrease (–2.3 percentage points) in the number of medium-level counties, and a large increase (+10.2 percentage points) in the number of low-level counties. Overall, 47 out of 52 jurisdictions* had high- or medium-level counties this week. The District of Columbia, Massachusetts, Nevada, Rhode Island, and Washington are the only jurisdictions to have all counties at low Community Levels.

U.S. COVID-19 Community Levels by County



To check your COVID-19 Community Level, visit [COVID Data Tracker](#). To learn which prevention measures are recommended based on your COVID-19 Community Level, visit [COVID-19 Community Level and COVID-19 Prevention](#).

*Includes the 50 states, the District of Columbia, and U.S. territories.

Reported Cases

As of September 7, 2022, the current 7-day moving average of daily new cases (70,488) decreased 18.8% compared with the previous 7-day moving average (86,853). A total of 94,888,931 COVID-19 cases have been reported in the United States as of September 7, 2022.

Variant Proportions

CDC [Nowcast projections](#)* for the week ending September 10, 2022, estimate that the combined national proportion of lineages designated as Omicron will continue to be 100% with the predominant Omicron lineage being BA.5, projected at 87.5% (95% PI 86.2-88.7%).

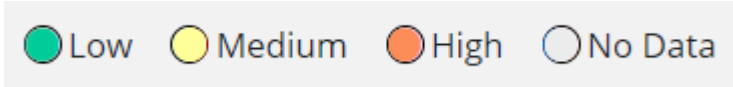
There are several lineages of Omicron and within each are multiple sublineages. The national proportion of BA.4.6 is projected to be 9.2% (95% PI 8.1-10.4%), BA.4 is projected to be 2.2% (95% PI 2.1-2.4%), BA.2 is projected to be 1.0% (95% PI 0.6-1.7%), and BA.2.12.1 is projected to be 0.1% (95% PI 0.1-0.1%). See [COVID Data Tracker](#) for current data.

94,888,931	70,488
Total Cases Reported	Current 7-Day Average**
86,853	-18.8%
Prior 7-Day Average	Change in 7-Day Average since Prior Week

*CDC uses Nowcast projections to predict current variant proportions circulating in the United States. 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. 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 658,918 historical cases reported retroactively,

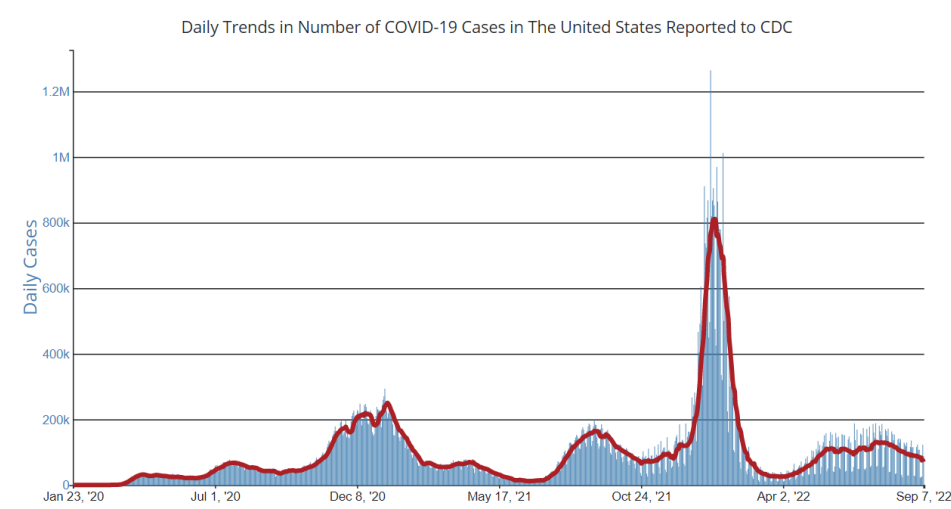
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COVID-19 Community Levels

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

7-Day moving average



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More Case Data

none were reported in the current week and 16 were reported in the prior week.

Vaccinations

COVID-19 Vaccine Primary Series

As of September 7, 2022, 610.7 million vaccine doses have been administered in the United States. Overall, about 263.1 million people, or 79.2% of the total U.S. population, have received at least one dose of vaccine. About 224.4 million people, or 67.6% of the total U.S. population, have been fully vaccinated.*

610,686,563

Vaccine Doses Administered

263,103,582

People who received at least one dose (79.2% of the U.S. population)

+0.0

Percentage point increase from last week

224,367,691

People who are fully vaccinated* (67.6% of the U.S. population)

+0.1

Percentage point change 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-BioNTech](#), [Moderna](#), or [Novavax](#) vaccines) or one dose of the single-shot [Johnson & Johnson's Janssen](#) vaccine.

COVID-19 Vaccine Boosters

Of those fully vaccinated, about 109.0 million people have received a booster dose,* but 50.0% of the total booster-eligible population has not yet received a booster dose. Booster dose eligibility varies by age and health condition. [Learn more](#) about who is eligible.

132,479,933

Booster Doses Administered

108,951,784

Population ≥ 5 Years of Age with a 1st booster dose*

48.6%

Percentage of the

22,176,710

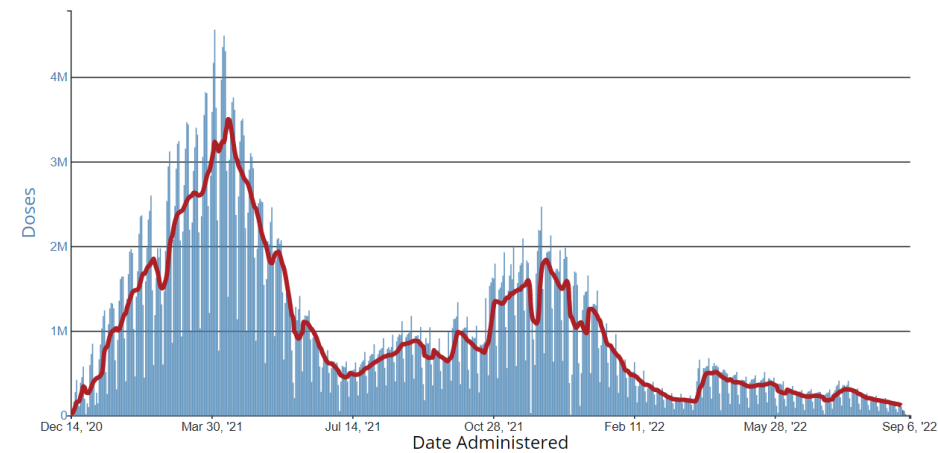
Population ≥ 50 Years of Age with a 2nd booster dose**

34.3%

Percentage of the

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

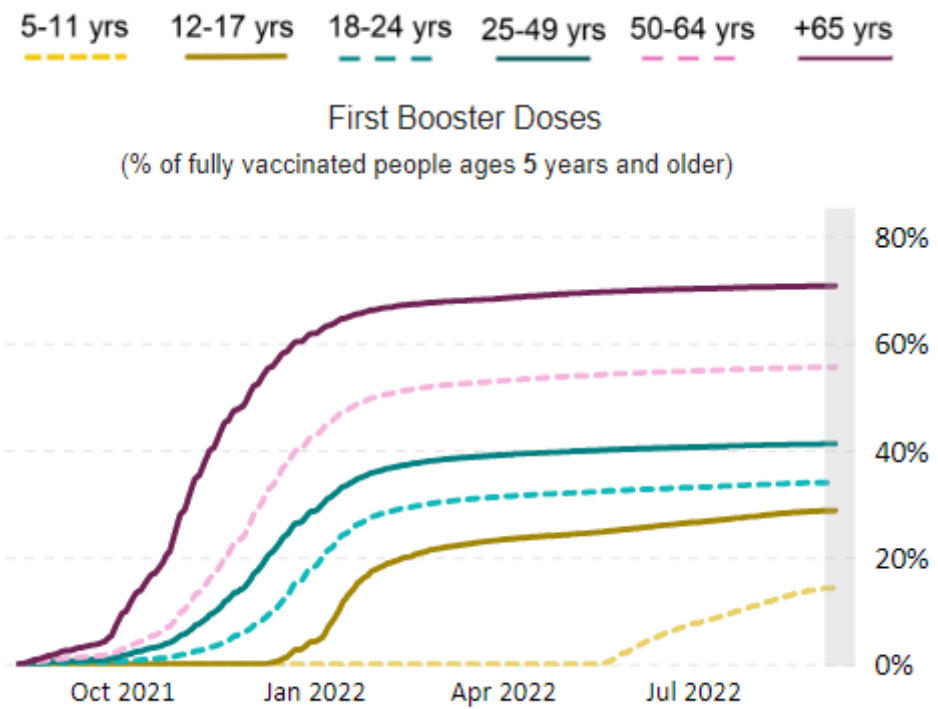
7-Day moving average



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COVID-19 Booster Dose Administration, United States



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Population ≥ 5 Years of Age with a 1st booster dose	Population ≥ 50 Years of Age with a 2nd booster dose
+0.0	+0.3
Percentage point increase from last week	Percentage point increase from last week

*Represents the number of people who are fully vaccinated and have received another dose of COVID-19 vaccine since August 13, 2021. This includes people who received their first additional dose or booster dose.

**Represents the number of people who are fully vaccinated and have received two subsequent doses of COVID-19 vaccine since August 13, 2021. This includes people who received two booster doses and people who received one additional dose and one booster dose.

Hospitalizations

New Hospital Admissions

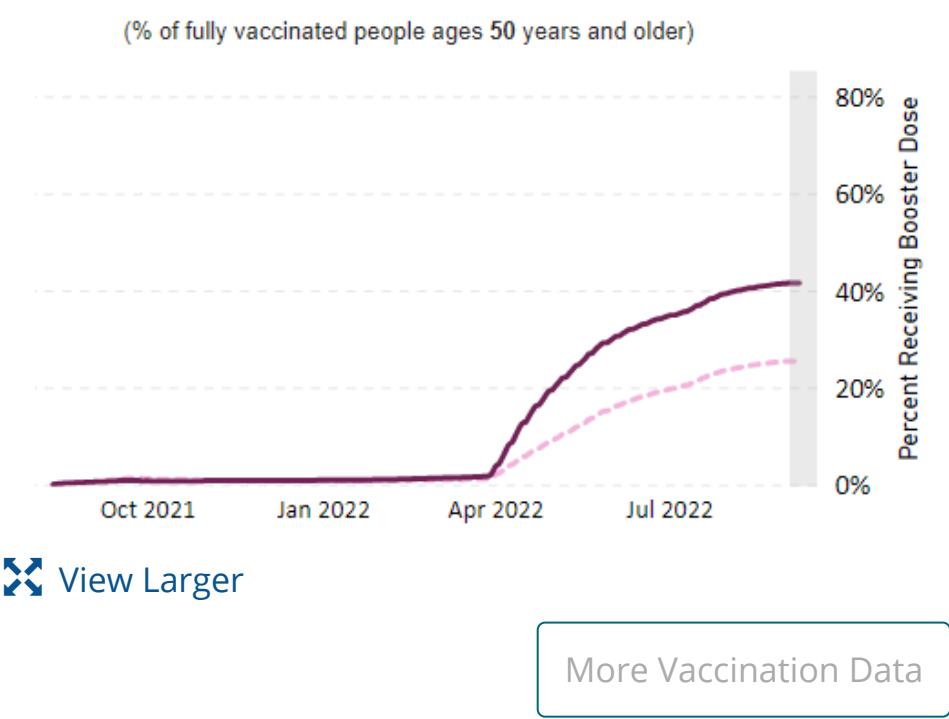
The current 7-day daily average for August 31–September 6, 2022, was 4,620. This is a 10.5% decrease from the prior 7-day average (5,163) from August 24–30, 2022.

5,267,624	4,620
Total New Admissions	Current 7-Day Average
5,163	-10.5%
Prior 7-Day Average	Change in 7-Day Average

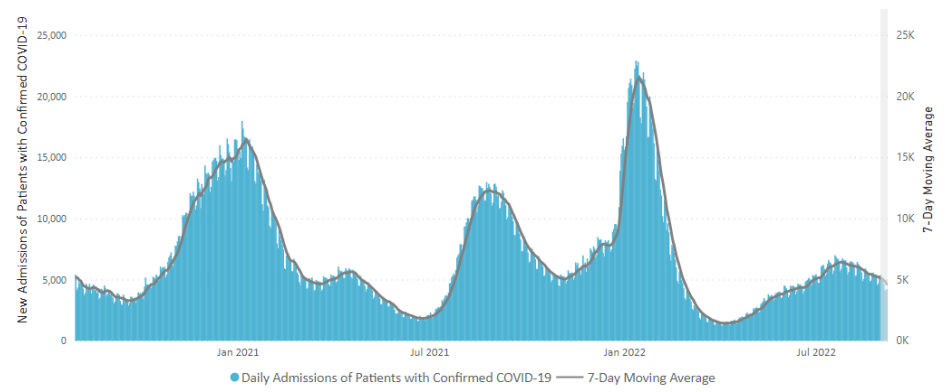
The start of consistent reporting of hospital admissions data was August 1, 2020.

COVID-NET: Hospitalization Rates by Vaccination Status among Adults Ages ≥65 Years

CDC’s [Coronavirus Disease 2019-Associated Hospitalization Surveillance Network \(COVID-NET\)](#) shows that pediatric rates of COVID-19-associated hospitalizations remain highest among children younger than 6 months old. For the week ending August 20, 2022, hospitalization rates among children younger than



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

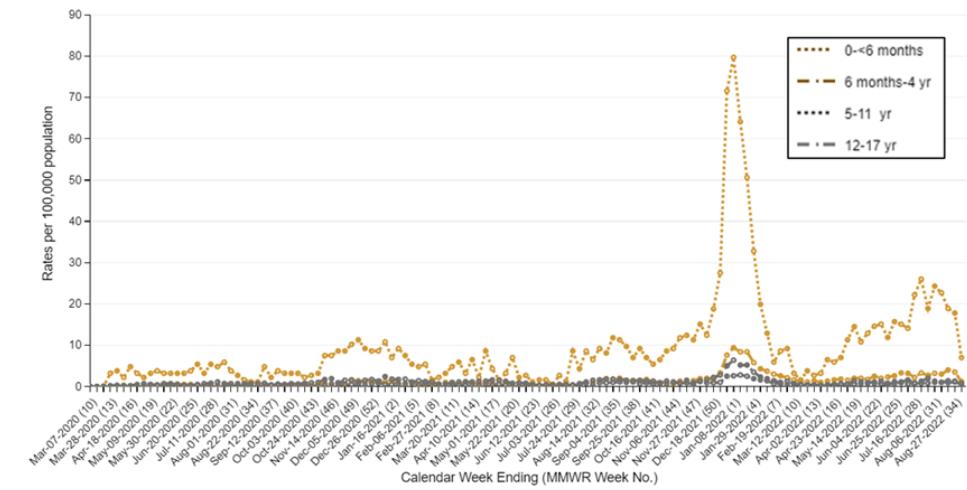


New admissions are pulled from a 10 am EDT snapshot of the HHS Unified Hospital Data – Analytic Dataset. Due to potential reporting delays, data from the most recent 7 days, as noted in the figure above with the grey bar, should be interpreted with caution. Small shifts in historic data may also occur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

[More Hospital Data](#)

Monthly Rates of COVID-19-Associated Hospitalization among Children Ages 0–17 Years

6 months old are 17.8 per 100,000 population, compared with 3.7, 0.9, and 1.1 per 100,000 population for children ages 6 months–4 years, 5–11 years and 12–17 years, respectively.



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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 using a standardized case reporting form](#).

[More COVID-NET Data](#)

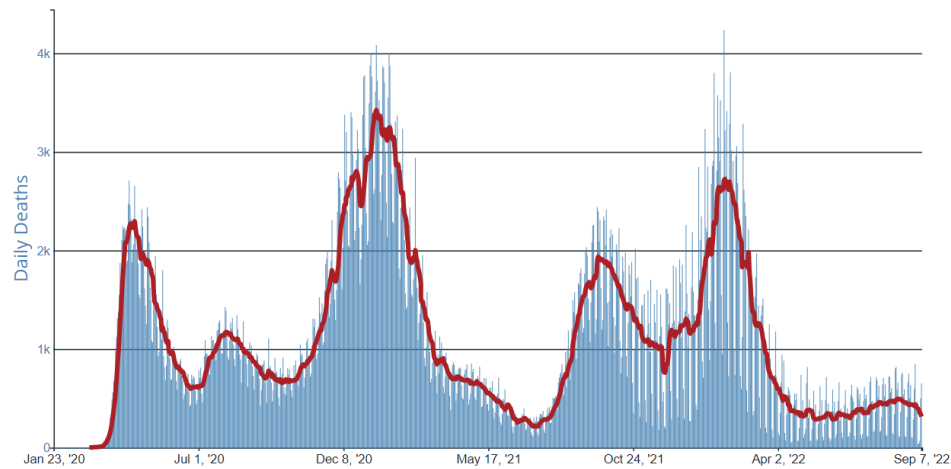
Deaths

The current 7-day moving average of new deaths (314) has decreased 28.1% compared with the previous 7-day moving average (437). As of September 7, 2022, a total of 1,043,921 COVID-19 deaths have been reported in the United States.

1,043,921	314
Total Deaths Reported	Current 7-Day Average*
437	-28.1%
Prior 7-Day Average	Change in 7-Day Average Since 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](#)

*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 21,783 historical deaths reported retroactively, 27 were reported in the current week; and none were reported in the prior week.

Testing

The percentage of COVID-19 NAATs ([nucleic acid amplification tests](#))* that are positive is decreasing in comparison to the previous week. The 7-day average of

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

percent positivity from NAATs is now 13.2%. The 7-day average number of tests reported for August 26–September 1, 2022, was 466,849, down 9.1% from 513,596 for the prior 7 days.

952,398,537	
Total Tests Reported	
466,849	13.2%
7-Day Average Tests Reported	7-Day Average % Positivity
13.5%	-.33
Previous 7-Day Average % Positivity	Percentage point change in 7-Day Average % Positivity since Prior Week

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

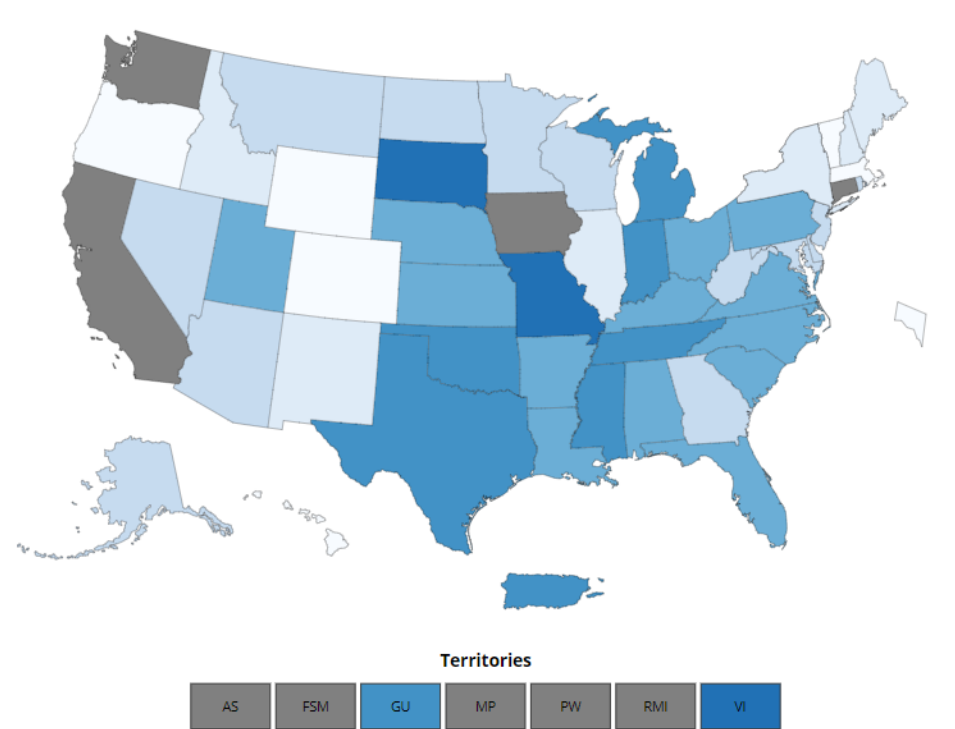
Wastewater Surveillance

COVID Data Tracker’s [Wastewater Surveillance](#) tab tracks levels, changes, and detections of SARS-CoV-2* viral RNA in wastewater at over 1,000 testing sites across the country.

Currently, most of the country is reporting moderate to high SARS-CoV-2 levels in wastewater. About 27% of sites reporting wastewater data are currently seeing some of the highest levels for those sites since December 1, 2021. About 56% of sites are experiencing a decrease in SARS-CoV-2 levels, and about 38% are reporting an increase. It’s important to note that even a small increase when levels are low can appear like a dramatic increase in the percent change.

For more information on how to use wastewater data, visit [CDC’s website](#).

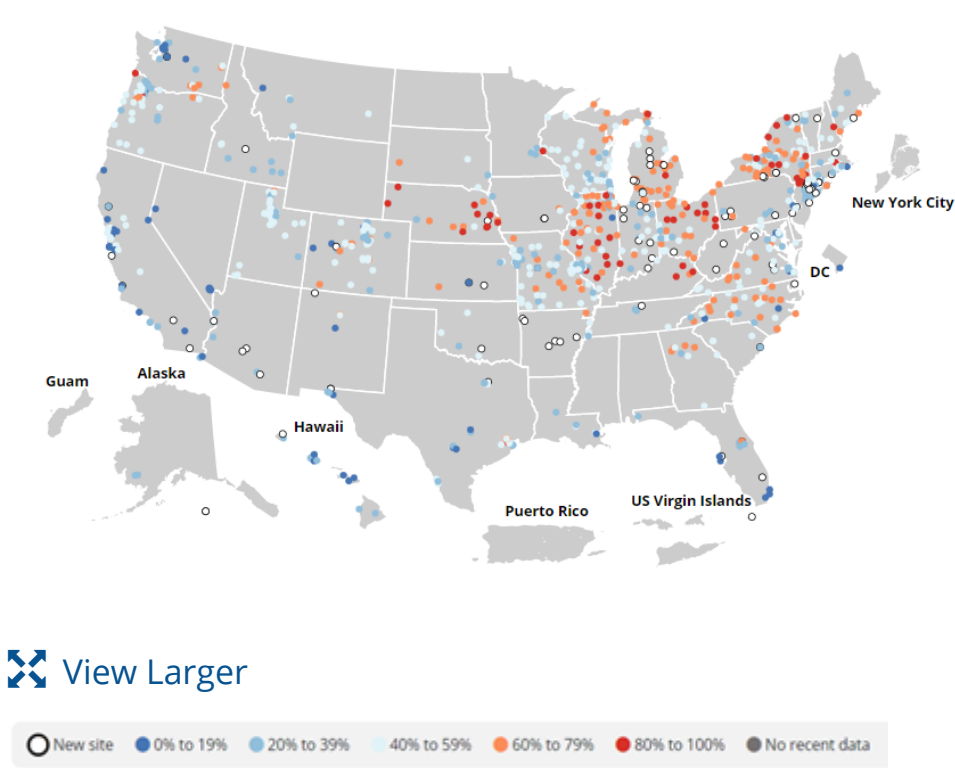
*The virus that causes COVID-19



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[More Testing Data](#)

SARS-CoV-2 Levels in Wastewater by Site



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0% means levels are the lowest they have been at the site; 100% means levels are the highest they have been at the site.

[More Wastewater Data](#)

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