



****Extraordinary Assumptions:** There are many different data sources in this report and not all of them match. This document is informational purposes only, the goal is to provide an overall picture of the current situation.

Daily Situation Summary

Friday, October 15, 2021 - [Day 583](#)

As of 1:30 PM

COVID-19 by the Numbers

10/15/2021	Riverside	Imperial	Kern	Los Angeles*	Orange	San Bernardino	San Diego	San Luis Obispo	Santa Barbara	Ventura	California	United States	Global
Total Cases	351,988	32,312	120,952	1,408,154	300,467	344,906	362,564	28,386	43,109	96,095	4,564,738	44,709,010	239,437,517
Total Cases Per Capita	14,261	16,860	13,044	13,728	9,307	15,555	10,757	10,179	9,446	11,269	11,375	13,433	3,072
% of Total Cases/Population	14.26%	16.86%	13.04%	13.73%	9.31%	15.55%	10.76%	10.18%	9.45%	11.27%	11.38%	13.43%	3.07%
Recovered**	350,252	28,773	133,585	Not Reported	288,961	341,437	Not Reported	27,241	42,779	94,350	2,503,800	35,205,452	217,885,455
% of total recovered/population	14.19%	15.01%	14.41%	Not Reported	8.95%	15.40%	Not Reported	9.77%	9.37%	11.06%	6.24%	10.58%	2.80%
Total Deaths	4,978	762	312	26,379	5,503	5,562	4,141	330	518	1,162	33,730	720,228	4,879,235
Deaths Per Capita	201.69	397.60	33.65	257.17	170.45	250.83	122.86	118.34	113.50	136.27	84.05	216.40	62.60
% of Total Deaths/Population	0.20%	0.40%	0.03%	0.26%	0.17%	0.25%	0.12%	0.12%	0.11%	0.14%	0.08%	0.22%	0.06%
% of State's Cases	7.71%	0.71%	2.65%	30.85%	6.58%	7.56%	7.94%	0.62%	0.94%	2.11%	10.21%	18.67%	
Currently in Hospitals	278	16	223	638	210	240	264	13	37	50	3,675		
Total Hospital Beds	3,490	236	1,240	19,258	6,015	3,645	6,492	435	614	1,199	66,651		
Currently in ICU	70	4	66	215	39	75	83	2	12	9	1,024		
ICU Beds Available	85	6	23	577	153	142	208	17	31	34	1,925		
Case Fatality Rate	1.41%	2.36%	0.26%	1.87%	1.83%	1.61%	1.14%	1.16%	1.20%	1.21%	0.74%	1.61%	2.04%
Population*	2,468,145	191,649	927,251	10,257,557	3,228,519	2,217,398	3,370,418	278,862	456,373	852,747	40,129,160	332,823,400	7,794,657,000
% of Population	6.15%	0.48%	2.31%	25.56%	8.05%	5.53%	8.40%	0.69%	1.14%	2.13%	12.06%	4.27%	

Sources: CDPH, WHO, CDC, Local County Data, LA Times

The date for which case statistics and hospital data were reported. Hospital COVID data are self-reported through a portal managed by the California Hospital Association and pulled at 2pm. COVID case statistics are reported by local health departments to CalREDIE and are pulled at 2pm. Hospital data and case statistics are integrated by the California Department of Technology and made available through the Open Data Portal the following morning. CA Open Data Portal is at least 24 Hours behind although a backlog of new case reports at the State level has ostensibly been cleared, some County dashboards still contain notes that indicate data are missing. *California Demographics from State Database Blueprint Data Chart 12-15-20 & census.gov. (**Many County sites do not report recovery rates or are only updating once a week)

News
More detail on page 2

US Data
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State Data
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County of Riverside
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Weather
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Air Quality
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News – The collection of news articles are related to COVID-19. The inclusion or order of articles is not intended to reflect their importance, nor is it intended to endorse the political viewpoints or affiliations included in news coverage.

What's causing a global goods shortage?

- Global supply chain problems are leading to delivery delays and higher prices for consumer goods.
- A supply chain crisis is threatening to derail the world's economic recovery from the pandemic.
- New smartphones, toys, clothes and even Christmas turkeys are among the many items failing to reach consumers.
<https://www.aljazeera.com/program/inside-story/2021/10/14/whats-causing-a-global-goods-shortage>

India reopens for foreign tourists after 19 months as COVID ebbs

- India has reopened to fully vaccinated foreign tourists travelling on chartered flights in the latest easing of its coronavirus restrictions as infection numbers decline.
- Foreign tourists on regular flights will be able to enter India starting from November 15, officials said on Friday.
<https://www.aljazeera.com/news/2021/10/15/india-reopens-foreign-tourists-19-months-covid-cases>

US to open border with Canada, Mexico starting in early November

- The United States will lift restrictions at its land borders with Canada and Mexico for fully vaccinated foreign nationals in early November, ending historic curbs on non-essential travelers in place since March 2020 to address the COVID-19 pandemic.
- US Homeland Security Secretary Alejandro Mayorkas said in a statement that next month the administration “will begin allowing travelers from Mexico and Canada who are fully vaccinated for COVID-19 to enter the United States for non-essential purposes, including to visit friends and family or for tourism, via land and ferry border crossings”.
<https://www.aljazeera.com/news/2021/10/13/us-to-open-border-with-canada-starting-in-early-november-buffalo-news>

Thousands protest as Italy's Covid pass becomes mandatory for workers

- A mandate for all workers in Italy to show a government-issued Covid-19 pass came into force on Friday, triggering protests at key ports and fears of disruption. Anyone who is on a payroll -- in the public or private sector -- must have a 'green pass' with a QR code as proof of either full vaccination, recent recovery from infection or a negative test within the previous 48 hours.
- Employees who go to work without the pass risk a fine of up to 1,500 euros (\$1,730) and suspension without pay. Employers could also face fines if they allow staff to work without it.
<https://www.cnn.com/2021/10/15/world/italy-green-pass-covid-protests-intl/index.html>

US FDA advisers back Moderna's booster jab for COVID

- With 66 million American adults still unvaccinated, President Biden is pushing for emergency approvals of booster jabs.
- A US Food and Drug Administration panel of experts has backed providing a third dose of Moderna Inc's COVID-19 vaccine to older people and those at risk of severe illness from the virus, as the Biden administration ramps up efforts to get more Americans vaccinated.
- The FDA's Vaccines and Related Biological Products Advisory Committee voted unanimously to recommend the booster shot on Thursday and will mull approving an additional dose of the Johnson & Johnson's vaccine on Friday.
- The World Health Organization (WHO) has [called on wealthy countries](#) like the US to hold off on offering booster shots until more people in less-developed countries receive a first dose of vaccine.
<https://www.aljazeera.com/news/2021/10/14/us-fda-advisers-mull-approval-moderna-covid-booster-jabs>

RELATED

'Mix and match' Covid vaccine boosters are effective, NIH study finds

- A highly anticipated study of “mixing and matching” Covid-19 vaccines found the approach to be safe and effective, although the Moderna and Pfizer-BioNTech vaccines were found to spark stronger immune system responses than J&J’s vaccine.
- “Mixing and matching” refers to giving a booster dose of a vaccine different from the vaccine type that was used for the initial vaccination series.
- The [National Institutes of Health study](https://www.nbcnews.com/health/health-news/mix-match-covid-vaccine-boosters-are-effective-nih-study-finds-rcna2974), which was released Wednesday but has yet to be peer reviewed, found that people who received the Johnson & Johnson vaccine produced stronger antibody levels after they got booster shots made by Moderna or Pfizer, compared to boosters from Johnson & Johnson. Those who were originally vaccinated with the Pfizer or Moderna vaccines and received either company’s booster shot produced similarly strong immune responses, the researchers found.

<https://www.nbcnews.com/health/health-news/mix-match-covid-vaccine-boosters-are-effective-nih-study-finds-rcna2974>

NIH RADx initiative expands COVID-19 testing innovation for additional types of rapid tests

- The NIH Rapid Acceleration of Diagnostics (RADx) initiative announced today that it has issued contract awards totaling \$77.7 million to develop and manufacture 12 new rapid diagnostic tests for SARS-CoV-2, the virus that causes COVID-19.
- The home and point-of-care testing platforms target the need for high-performance, low-cost home tests and point-of-care tests that can potentially detect multiple respiratory infections with the goal of bringing needed tests to the market as early as this year.

<https://www.nih.gov/news-events/news-releases/nih-radx-initiative-expands-covid-19-testing-innovation-additional-types-rapid-tests>

Southwest Airlines cancels more flights, denies COVID jab sickout

- Southwest Airlines cancelled several hundred more flights on Monday following a weekend of major disruptions that it blamed on bad weather and air traffic control issues. Both the company and its pilots’ union denied reports of a sickout to protest mandatory COVID-19 vaccinations.
- Southwest cancelled more than 360 flights — 10 percent of its schedule for the day — on Monday, and more than 800 others were delayed, according to the FlightAware tracking service.
- The widespread disruptions began shortly after the Southwest Airlines Pilots Association asked a federal court on Friday to block the airline’s order that all employees get vaccinated against COVID-19. The union said it does not oppose vaccination, but it argued in its filing that Southwest must negotiate before taking such a step.
- The union denied reports that pilots were conducting a sickout or slowdown to protest the vaccine mandate, saying it “has not authorized, and will not condone, any job action”.

<https://www.aljazeera.com/economy/2021/10/11/southwest-airlines-cancels-more-flights-denies-covid-jab-sickout>

Antibody treatment for MIS-C works by depleting inflammatory immune cells

- Intravenous immune globulin (IVIG) a common treatment for [multisystem inflammatory syndrome in children](#) (MIS-C) likely works by depleting immune cells called neutrophils, according to a recent study funded by the NIH. MIS-C is a rare condition that usually affects school-age children who initially had only mild COVID-19 symptoms or no symptoms at all. The researchers also found that IVIG works in a similar manner for treating [Kawasaki disease](#), another rare inflammatory condition that affects children and shares symptoms with MIS-C. The findings are published in the Journal of Clinical Investigation.
- MIS-C is marked by severe inflammation of two or more parts of the body, including the heart, lungs, kidneys, brain, skin, eyes and gastrointestinal organs. Its symptoms overlap with Kawasaki disease, and treatments for MIS-C are guided in part by what is known about treating Kawasaki disease. IVIG, which is made up of antibodies purified from blood products, is a common and

effective treatment for heart complications caused by Kawasaki disease. For MIS-C patients, however, IVIG alone does not always resolve symptoms, and healthcare providers may need to prescribe additional anti-inflammatory drugs.

- The team sampled cells before treatment began as well as 2 to 6 weeks after patients received IVIG. The researchers found that neutrophils from these patients were highly activated and a major source of interleukin 1 beta (IL-1 β), which is one driver of inflammation in the body. After IVIG treatment, these activated neutrophils were significantly depleted in patients with MIS-C or Kawasaki disease.
- According to the study authors, their findings are the first to explain why IVIG is effective for both conditions. However, more work is needed to understand how IVIG causes cell death in these activated neutrophils and why certain patients with MIS-C require additional anti-inflammatory treatments. Overall, the research will help healthcare providers as they determine the most effective methods to treat patients with MIS-C.

<https://www.nih.gov/news-events/news-releases/antibody-treatment-mis-c-works-depleting-inflammatory-immune-cells>

Can we gather this winter? COVID-19 is slowing in California, but experts still say to be careful.

- Now, nearly 68% of Californians are fully or partially vaccinated, and experts say this will help protect us from another winter surge, the toll of the pandemic this winter hinges on a lot of factors, including whether people follow public health recommendations, how soon young children become eligible for vaccination and whether a new variant emerges.
- Experts are [cautiously optimistic](#) about the coming months, given that most people are immunized against the virus.
- “In California, we have relatively high vaccination coverage and we're seeing the impact of that,” said UC Berkeley infectious disease specialist Dr. Lee Riley. “If this trend continues in other parts of the U.S. ... we should be able to avert another major surge from occurring during the winter season.”
- But, we're not in the clear. People who are immunized [can still contract COVID-19 and spread it to others](#), though new research indicates they're [much less likely to infect others](#) than people who are not vaccinated.

<https://www.capradio.org/articles/2021/10/14/can-we-gather-this-winter-covid-19-is-slowing-in-california-but-experts-still-say-to-be-careful/>

LAUSD extends deadline for employees to be vaccinated against COVID

- The Los Angeles Unified School District on Monday announced it has extended the deadline for its employees to be vaccinated against COVID-19, requiring now that workers receive at least one dose by Friday and a second by Nov. 15.
- Workers must have at least one dose by Friday to continue reporting to work, according to the district. If they do not receive their second dose by Nov. 15, they will be "subject to separation from district service."
- "The effective date of separation for employees without record of any vaccine by October 15, 2021, will not be prior to November 1, 2021," according to the district. "Employees will remain in paid status through October 31, 2021."
- LAUSD students age 12 and older who take part in in-person extracurricular programs were required to receive their first dose by Oct. 3 and their second no later than Oct. 31. All other students aged 12 and up must receive their first dose by Nov. 21, and their second by Dec. 19.

Younger students will have to receive their first dose no later than 30 days after their 12th birthday, and their second dose no later than eight weeks after turning 12.

<https://abc7.com/11116892/>

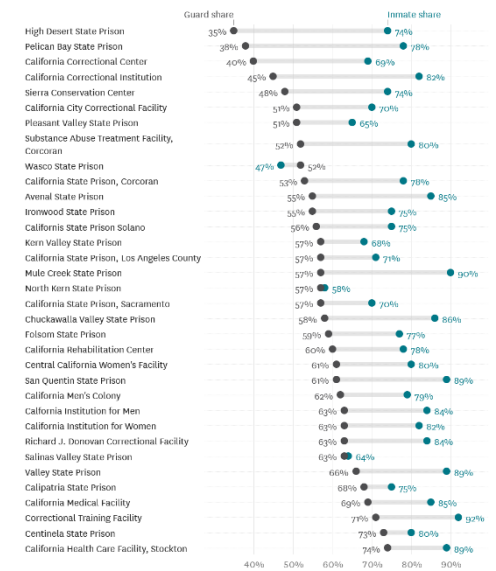
Inmates are more vaccinated against COVID-19 than guards at nearly every prison in California

- The push to get California prison guards vaccinated — without the option for frequent testing instead — faced two separate setbacks this week: Gov. Gavin Newsom filed a notice to appeal a federal judge’s order to do so on Tuesday, and a judge in Kern County temporarily blocked the implementation of a state health department vaccine mandate on Wednesday.
- The order — which still allows for religious and medical exemptions — comes after significant coronavirus outbreaks in prisons like the outbreak in San Quentin in 2020 following a botched transfer of inmates to the prison which led to the death of 28 inmates and one prison guard. There is also an ongoing outbreak at North Kern, which was linked to a staff member. There are now 35 active cases at the prison.
- In total, nearly 51,000 incarcerated people have been infected in California and 240 have died.
- Overall, 77% of California’s inmates are fully vaccinated, compared to 61% of prison staff. Inmates are not required to get vaccinated.

<https://www.sfchronicle.com/health/article/Inmates-are-more-vaccinated-against-COVID-19-than-16534149.php>

Difference between inmate and guard vaccination rates in California prisons

Data as of Oct. 14, 2021.



Source: CDCR

Data excludes Deuel Vocational Institution, as it has only 19 inmates.

Nearly 40% of California state workers are unvaccinated against COVID despite Newsom order

- The COVID-19 vaccination rate is lower among California state workers than among the state’s general population, according to data from the state Human Resources Department.
- Fewer than two-thirds of state workers — about 62% — were vaccinated as of Oct. 7, according to preliminary figures provided by department spokeswoman Camille Travis. That compares to a rate of about 72% among all Californians, [according to state data](#).
- The employee data is incomplete, accounting for about 213,000 of the state’s 238,000 employees. But the relatively low rate identified so far suggests many workers weren’t moved by Gov. Gavin Newsom’s July orders to workers to get vaccinated or submit to regular testing.
- Several of the largest state departments shared vaccination rates for their staff: 52% of California Highway Patrol employees, 60% of Department of Motor Vehicles employees and 60% of prison employees have received the shots. Caltrans reports a higher rate, with 70% of its employees vaccinated against COVID-19.
- The Newsom administration’s shot-or-test rules for state workers are less stringent than those the [governor imposed on health care workers](#), who must get vaccinated unless claiming a religious or medical exemption.

<https://www.sacbee.com/news/politics-government/the-state-worker/article254974997.html>



U. S. Data

https://covid.cdc.gov/covid-data-tracker/#cases_casesper100klast7days

United States COVID-19 Cases and Deaths by State

Maps, charts, and data provided by CDC, updates daily by 8 pm ET[†]

TOTAL CASES
44,709,010

+87,870 New Cases

7 DAY CASE RATE PER 100,000
173.6

TOTAL DEATHS
720,228

+1,393 New Deaths

CDC | Data as of: October 14, 2021 4:47 PM ET. Posted: October 14, 2021 7:30 PM ET

COVID-19 Vaccinations in the United States

<https://covid.cdc.gov/covid-data-tracker/#vaccinations>

<p>Total Vaccine Doses</p> <p>Delivered 493,139,295</p> <p>Administered 406,570,875</p> <p>Learn more about the distribution of vaccines.</p>	At Least One Dose		Fully Vaccinated	Booster Dose
	Vaccinated People		Count	Percent of US Population
Total		218,318,056	65.8%	
Population ≥ 12 Years of Age		218,084,050	76.9%	
Population ≥ 18 Years of Age		203,343,322	78.7%	
Population ≥ 65 Years of Age		52,246,196	95.5%	

188.7M
People fully vaccinated

9.72M
People received a booster dose**

*For surveillance purposes, COVID Data Tracker counts people as being "fully vaccinated" if they received two doses on different days (regardless of time interval) of the two-dose mRNA series or received one dose of a single-dose vaccine.

**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.

About these data

CDC | Data as of: October 14, 2021 6:00am ET. Posted: Thursday, October 14, 2021 7:30 PM ET

COVID-19 Community Profile Report 10-14-2021

<https://beta.healthdata.gov/Health/COVID-19-Community-Profile-Report/gqxm-d9w9>

NUMBER OF NEW CASES AND DEATHS IN THE LAST 7 DAYS

Total Cumulative Cases: 44,615,528

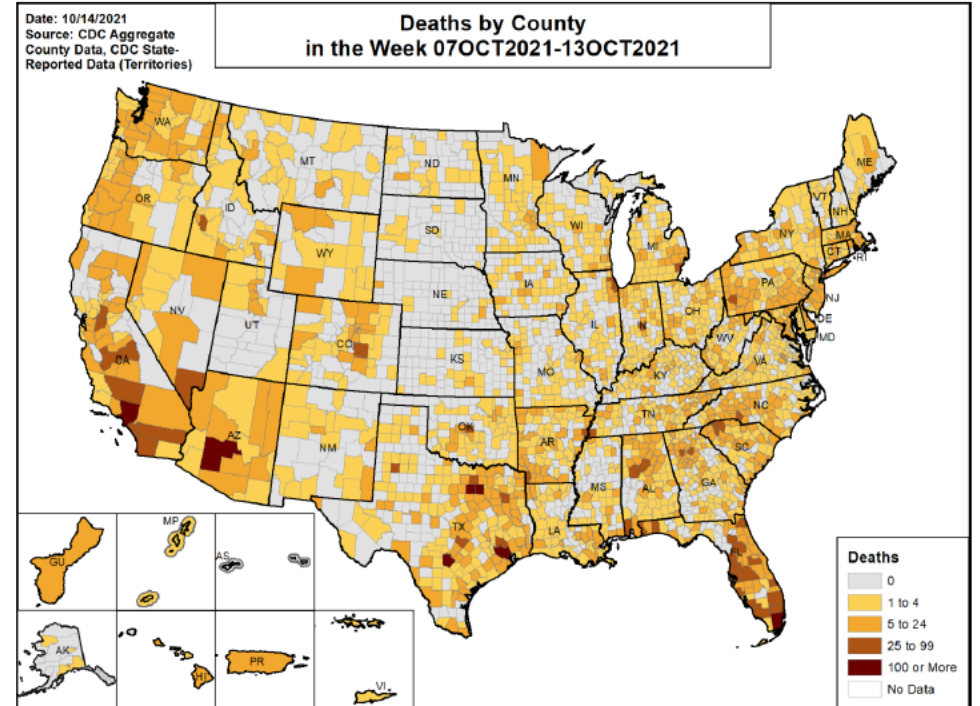
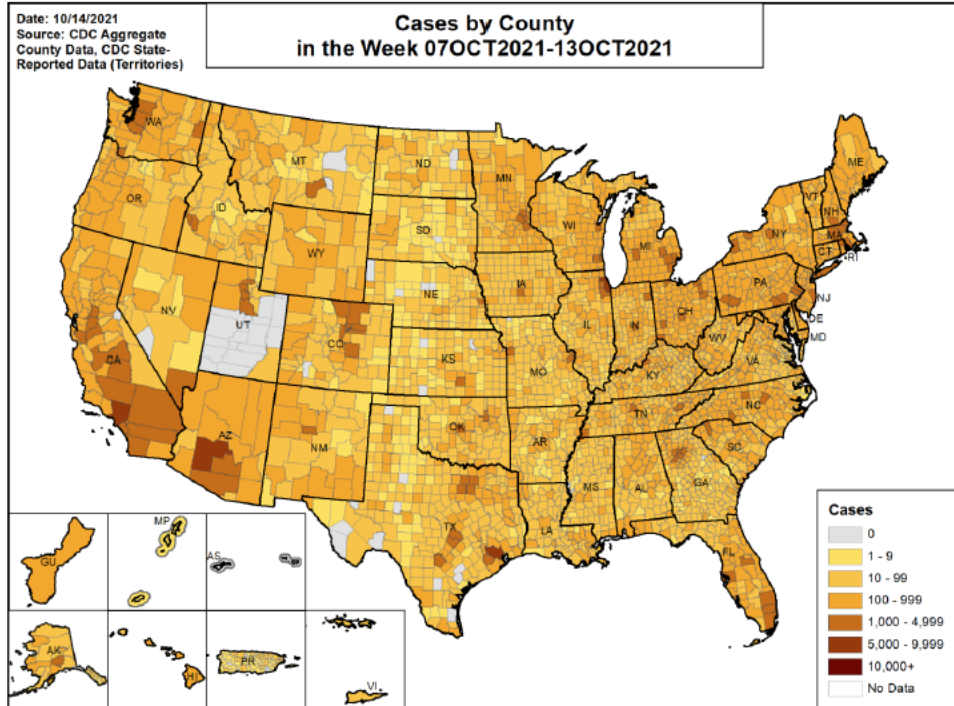
New Cases in Last 7 Days: 591,888

Percent Change from Previous 7 Days: -12.5%

Total Cumulative Deaths: 718,681

New Deaths in Last 7 Days: 8,689

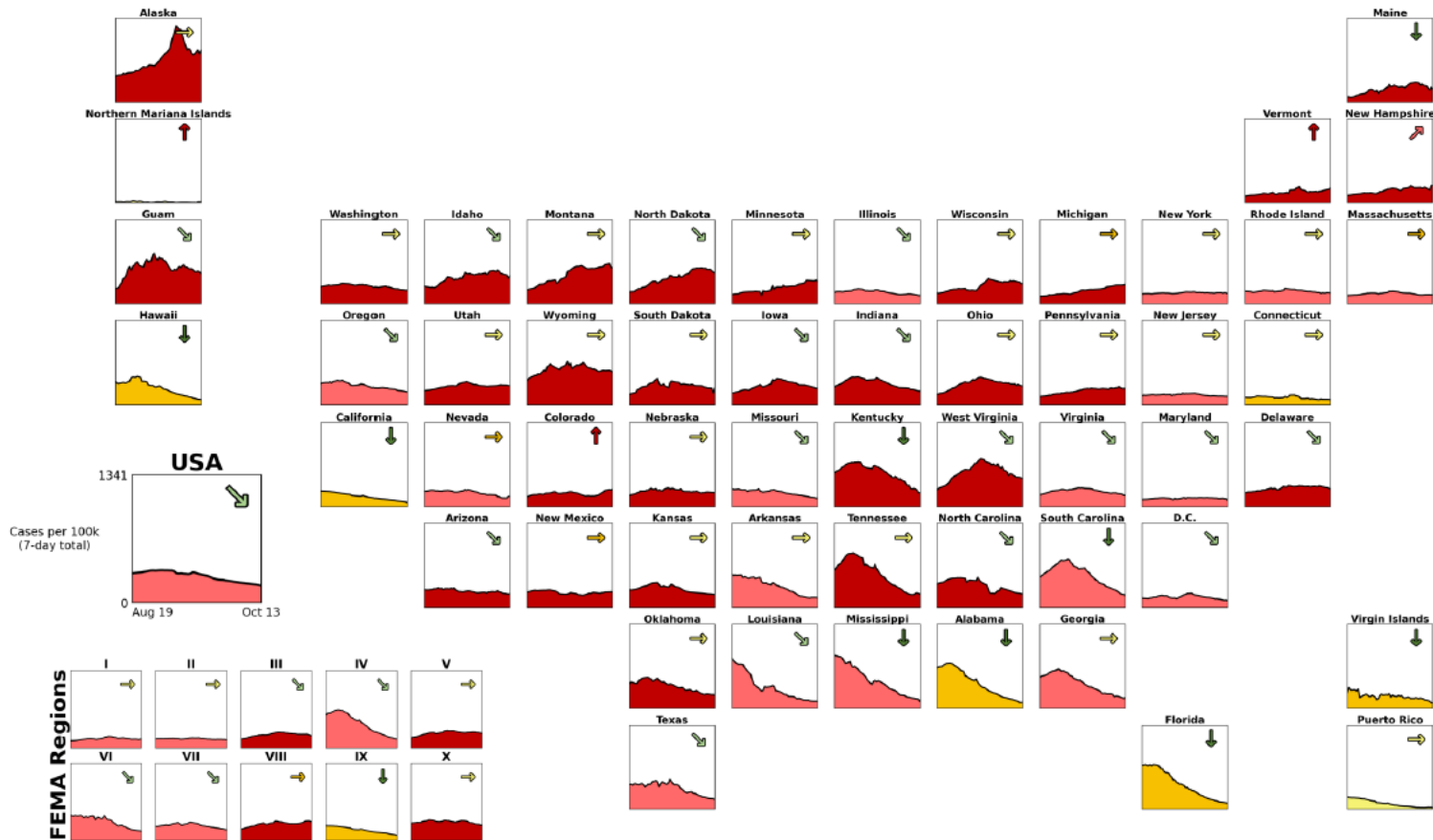
Percent Change from Previous 7 Days: -13.4%



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TRENDS IN CASE INCIDENCE DURING THE LAST 8 WEEKS



Case incidence categories

(based on cases per 100,000 population in the last 7 days)



Weekly % change categories

(arrow based on % change in weekly cases)



Source: CDC state-reported data. See Data Sources/Methods slides for additional details.

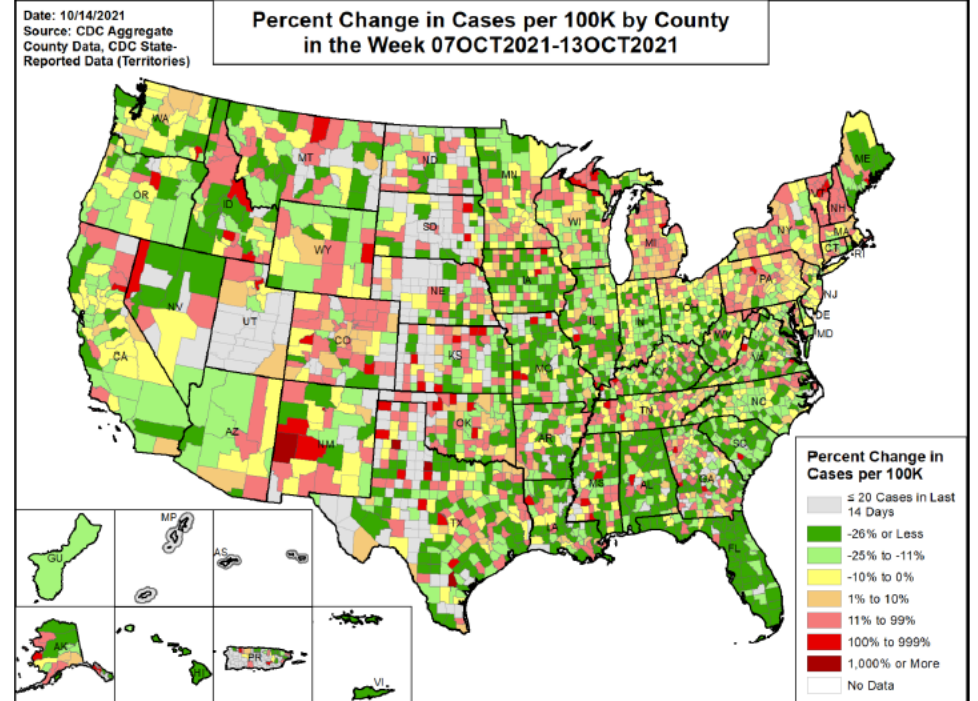
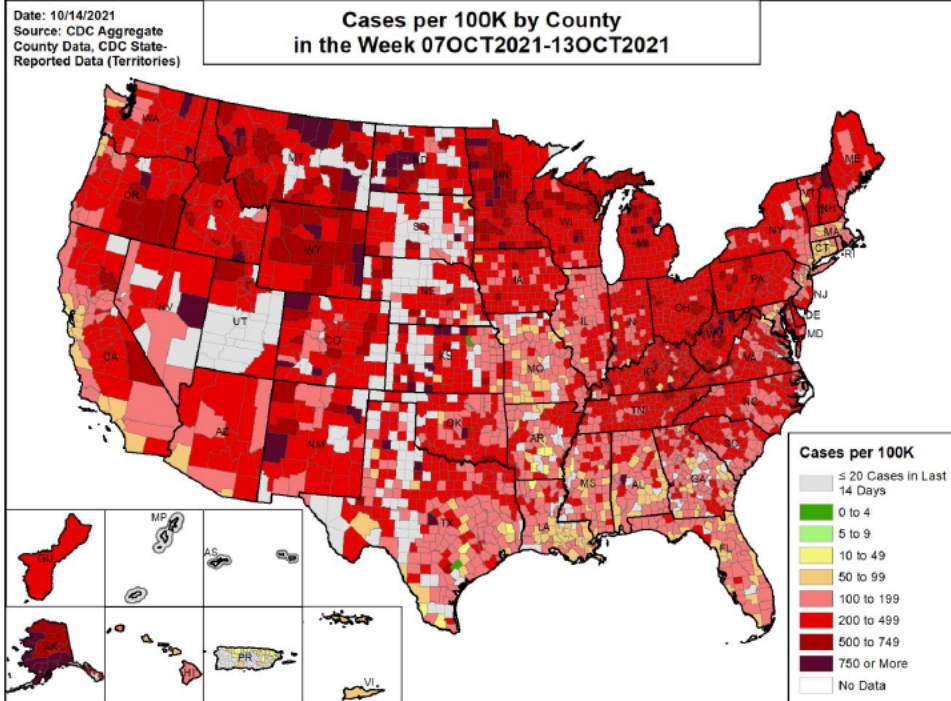
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CASE INCIDENCE IN LAST 7 DAYS AND COMPARISON TO THE PREVIOUS 7 DAYS

Incidence Rate in the Last 7 Days: 178.3 per 100,000

Percent Change from Previous 7 Days: -12.5%



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TRENDS IN HOSPITAL ADMISSIONS PER 100 BEDS DURING THE LAST 8 WEEKS



Confirmed admission rate categories
(based on confirmed COVID-19 admissions per 100 beds over the last 7 days)

1.0 or less
1.1 - 3.0
3.1 - 5.0
5.1 - 10.0
10.1 - 15.0
15.1 or more

Weekly % change categories
(arrow based on % change in weekly confirmed COVID-19 admissions)

-26% or less ↓
-25% - -11% ↘
-10% - 0% →
+1% - +10% →
+11% - +25% ↗
+26% or more ↑

Figure depicts confirmed hospital admissions per 100 inpatient beds.

Source: Unified Hospital Dataset. See Data Sources/Methods slides for additional details.

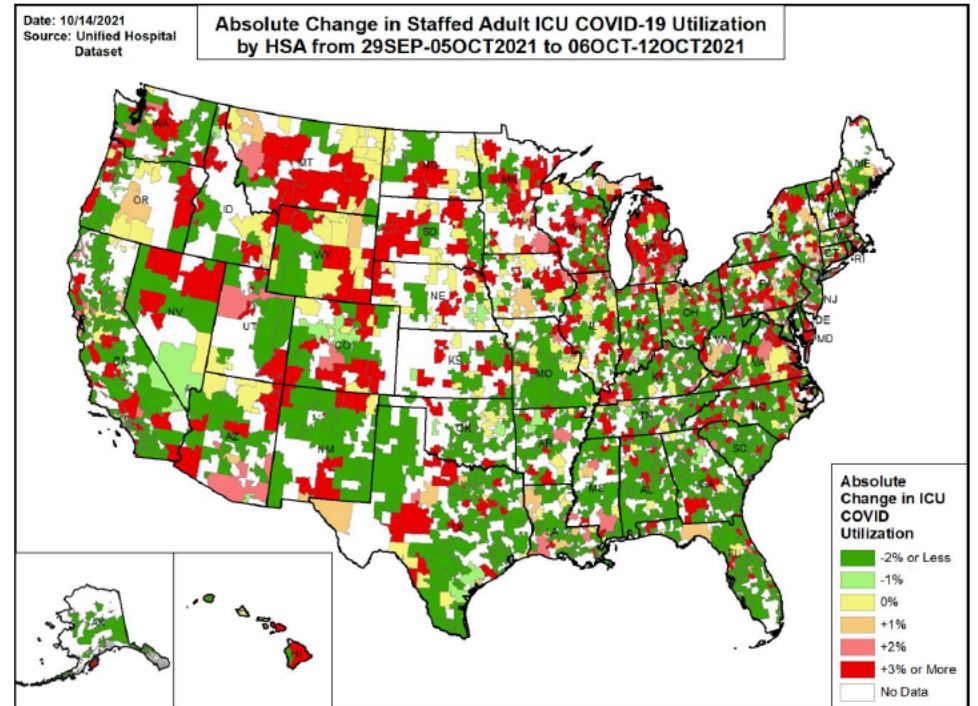
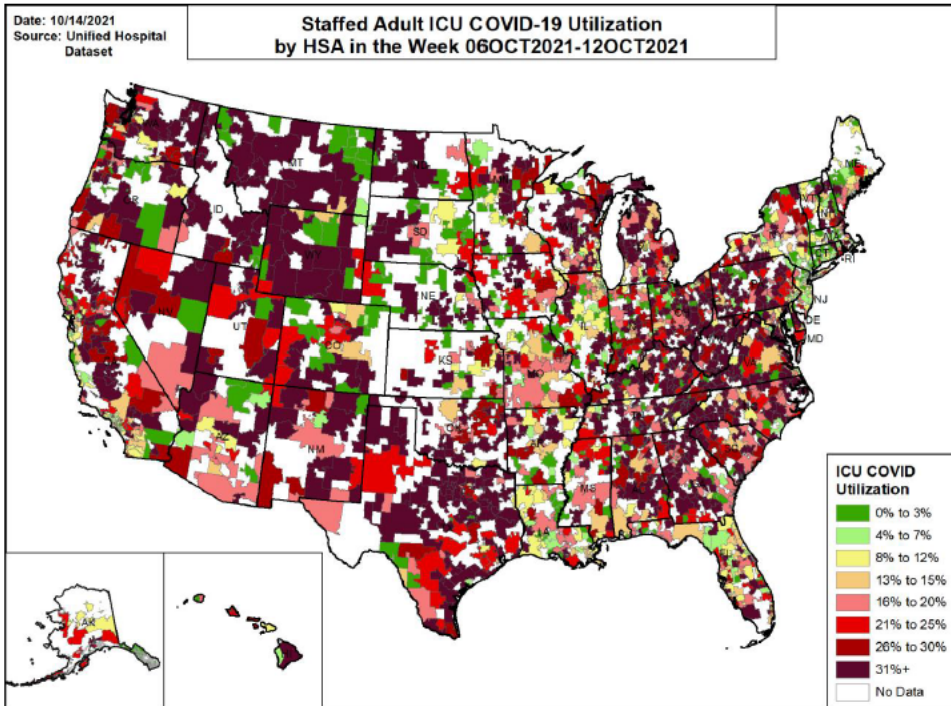
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STAFFED ADULT ICU COVID-19 UTILIZATION IN THE LAST 7 DAYS AND COMPARISON TO THE PREVIOUS 7 DAYS

Average Daily Adult ICU COVID-19 Patients over Last 7 Days:
16,634

Percent Change from Previous 7 Days: -11.9%

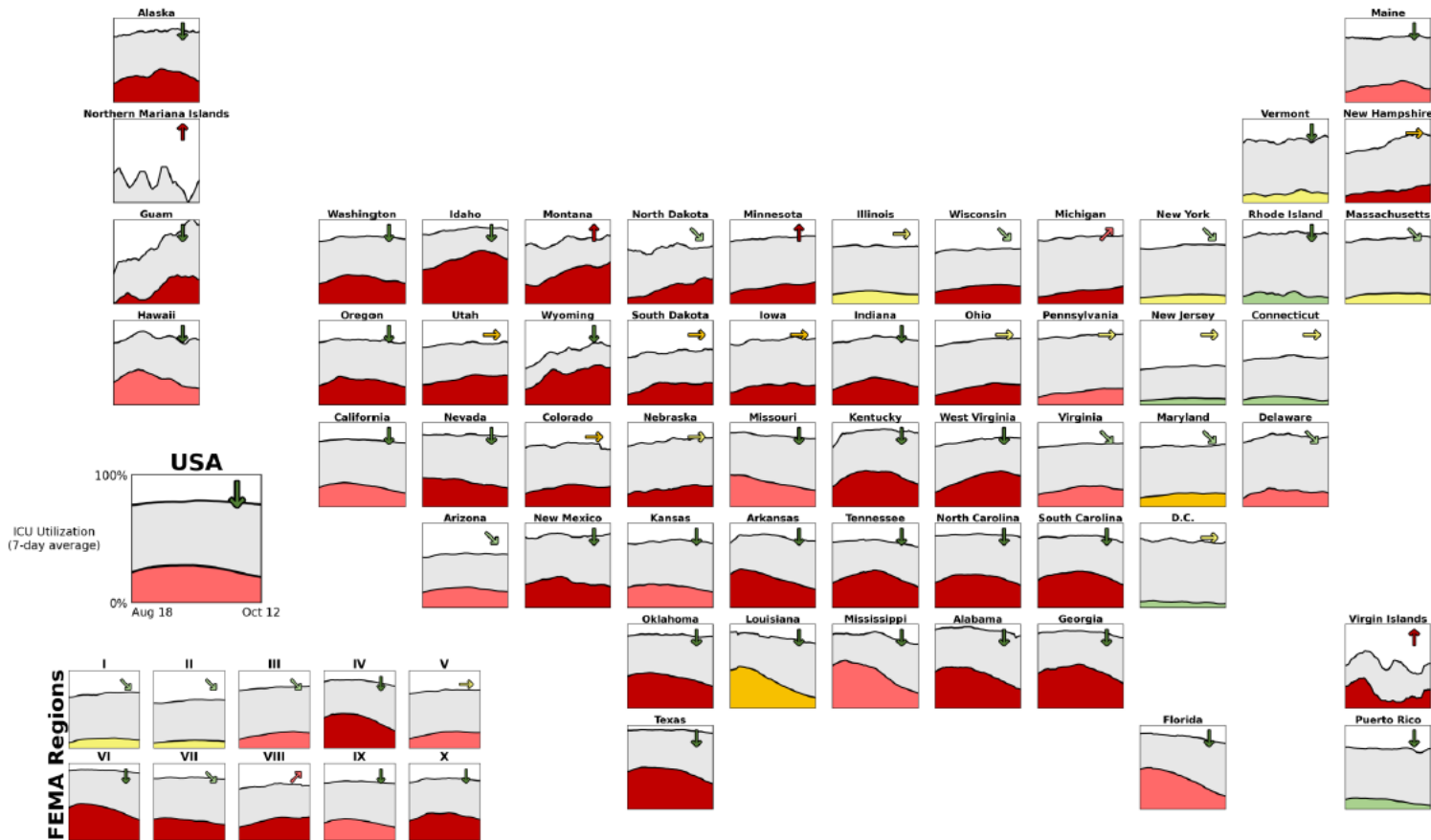


Source: Unified Hospital Dataset, excluding psychiatric, rehabilitation, and religious non-medical hospitals. Staffed adult ICU COVID-19 utilization indicates average percentage of staffed adult ICU beds occupied by confirmed COVID-19 patients within the given time period. HSA indicates Hospital Service 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. See Data Sources/Methods slides for additional details.

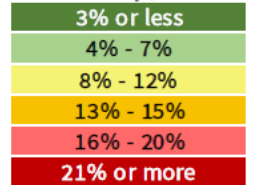
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TRENDS IN STAFFED ADULT ICU BED CAPACITY DURING THE LAST 8 WEEKS



Staffed Adult ICU COVID Utilization categories
(based on average percentage of beds occupied by confirmed COVID-19 patients over the last 7 days)



Weekly absolute change categories
(arrow based on absolute change in weekly % of ICU beds occupied by confirmed COVID-19 patients)



Color based on ICU confirmed COVID-19 utilization only. Light gray based on overall ICU utilization. Most recent dates may be less reliable due to delayed reporting.

Source: Unified Hospital Dataset. See Data Sources/Methods slides for additional details.

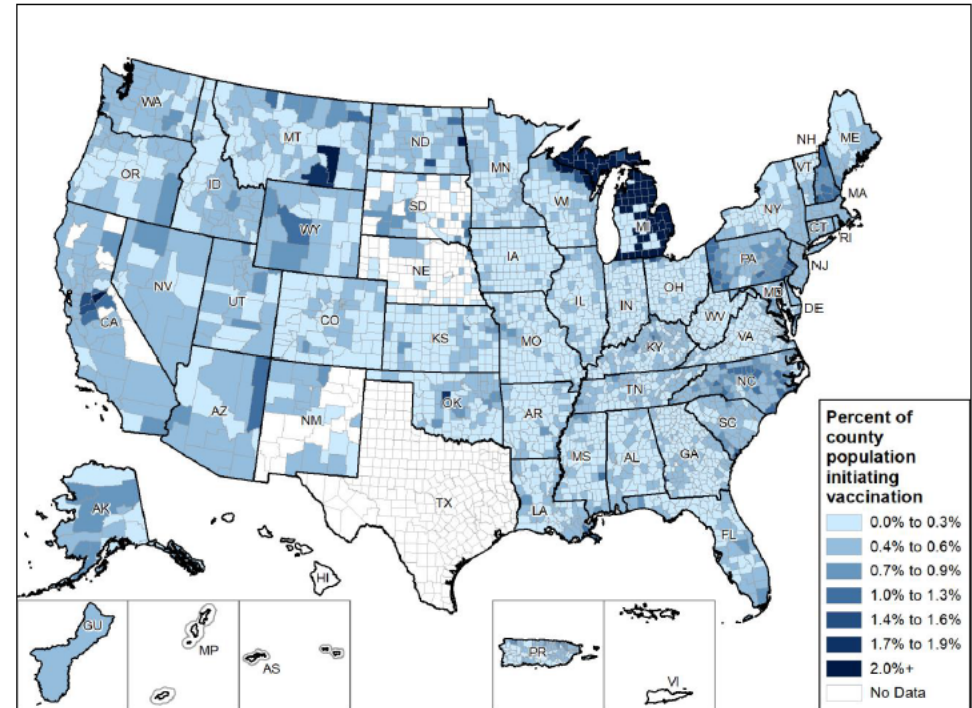
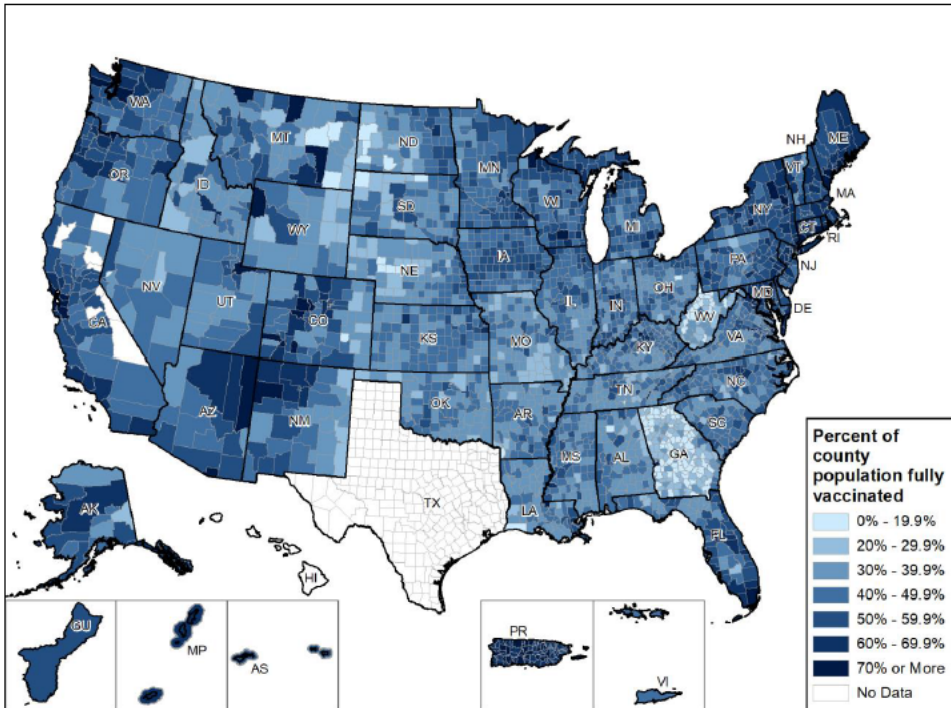
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VACCINATION RATES BY COUNTY

Percent of Population Fully Vaccinated: 56.7%
 Percent of Population with at Least 1 Dose: 65.6%

Percent of Population Initiating Vaccination in the Last Week: 0.5%



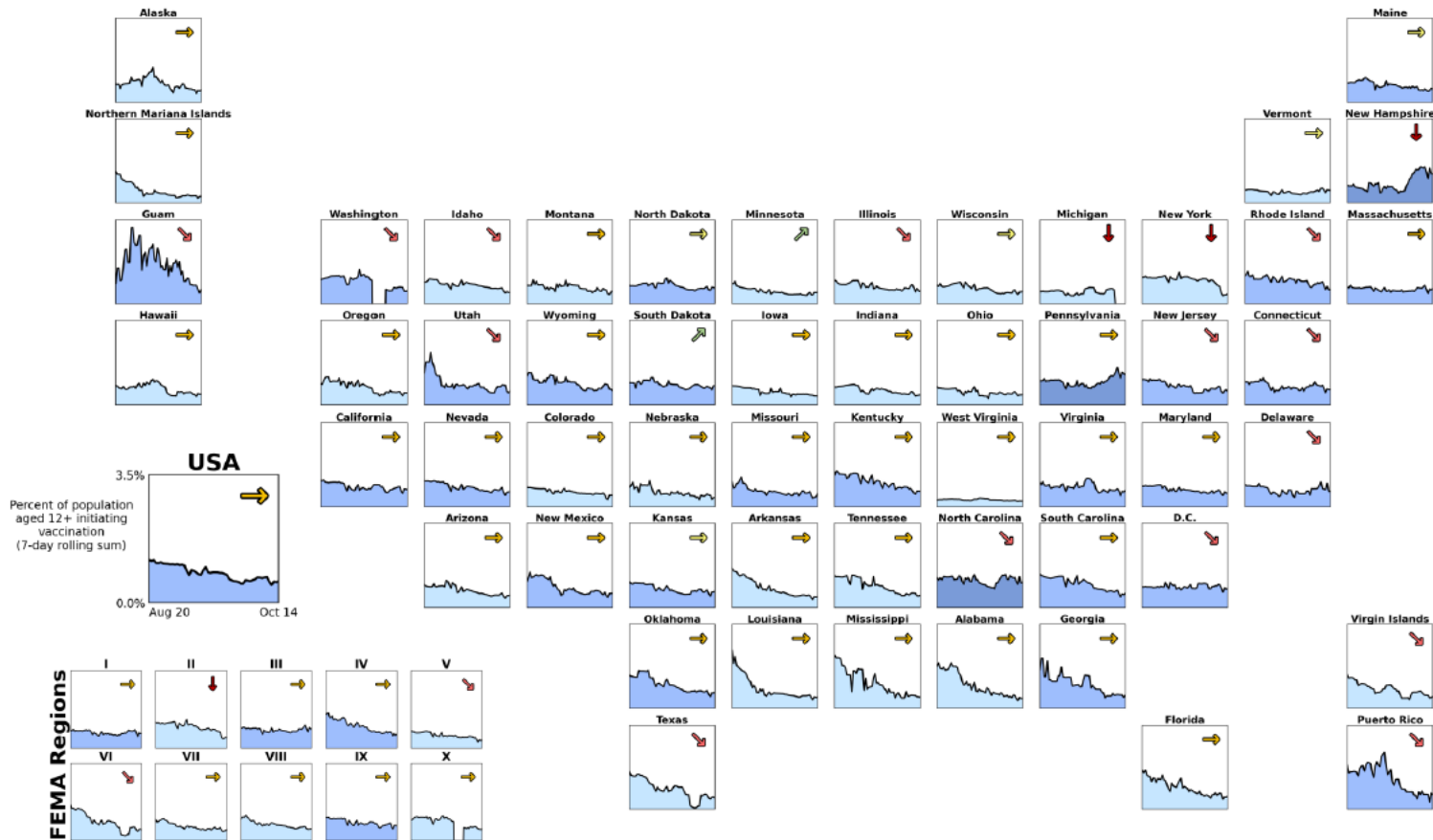
Source: Unified COVID-19 Vaccine Dataset. Fully vaccinated indicates those who received the second dose of Pfizer-BioNTech or Moderna vaccines and those who received one dose of J&J/Janssen COVID-19 vaccine. Initiating vaccination indicates those who have received the first dose of the Pfizer-BioNTech or Moderna vaccines and those who have received a dose of the J&J/Janssen vaccine in the last week. Values reflect total by report date, not administered date. In instances where the number of people fully vaccinated is greater than those with at least one dose for a specific county, the county will have "no data" on the map of population initiating vaccination; see COVID Data Tracker for further information. The following states have $\leq 80\%$ completeness reporting vaccinations by county, which may result in underestimates of vaccination data for counties and CBSAs: VT (74%), WV (60%), GA (57%), FM (0%), PW (0%), TX (0%), AS (0%), HI (0%), MH (0%), MP (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.

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TRENDS IN PERCENT OF POPULATION AGED 12+ INITIATING VACCINATION DURING THE LAST 8 WEEKS



Percent of population 12+ initiating vaccination

(based on percent of population in last 7 days)

- +0.5% or less
- +0.6% - +1.0%
- +1.1% - +1.5%
- +1.6% - +2.0%
- +2.1% - +2.5%
- +2.6% - +3.0%
- +3.1% or more

Weekly absolute change categories

(arrow based on absolute change in percent of population)

- 0.26% or less ↓
- 0.25% - -0.11% ↘
- 0.10% - +0.01% →
- +0.02% - +0.10% →
- +0.11% - +0.25% ↗
- +0.26% or more ↑

Source: Unified COVID-19 Vaccine Dataset. See Data Sources/Methods slides for additional details.

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.

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Level of Community Transmission of COVID-19, by State/Territory

https://covid.cdc.gov/covid-data-tracker/#cases_community

UNITED STATES LEVEL OF COMMUNITY TRANSMISSION

High

7 DAY CASE RATE PER 100,000

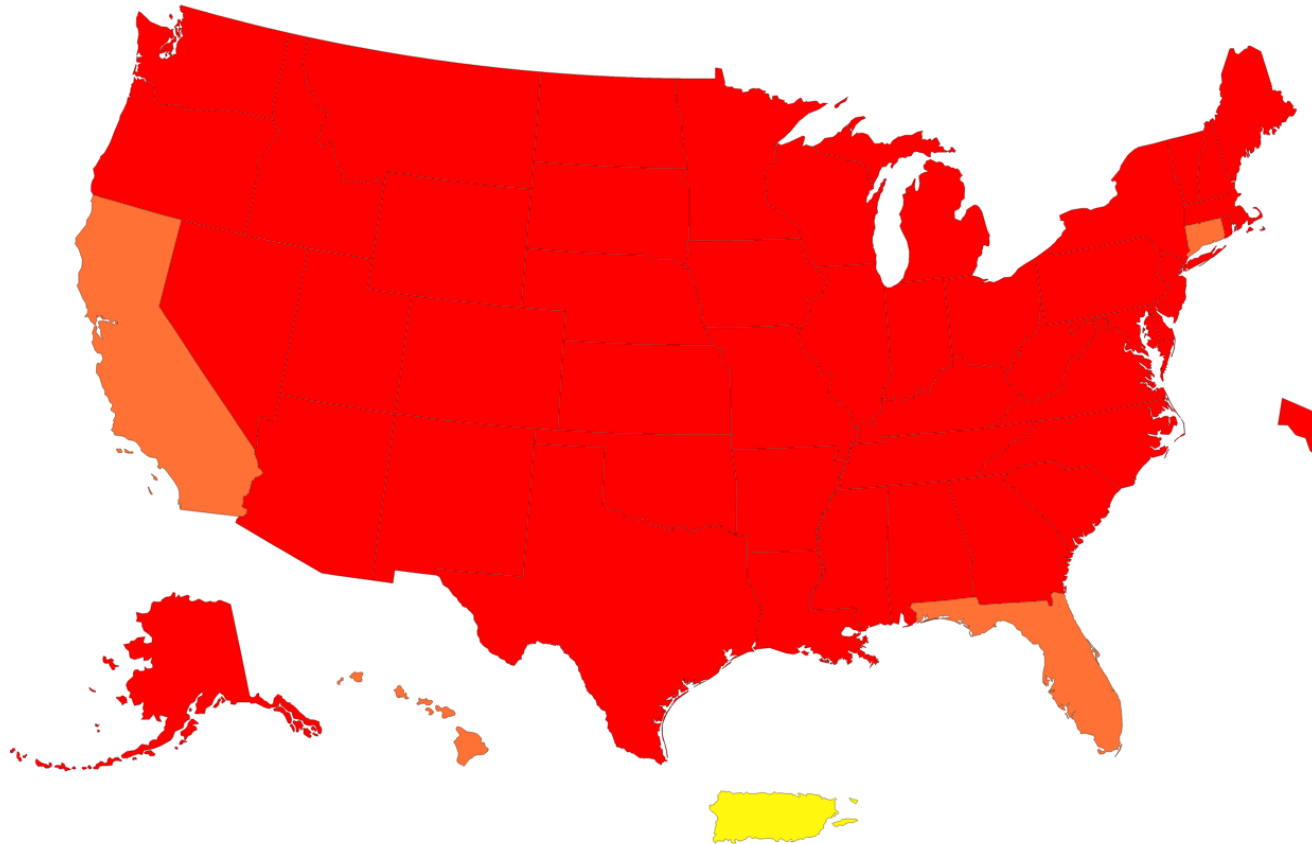
173.6

7 DAY PERCENT POSITIVITY

5.63%

CDC | Data as of: October 15, 2021 12:38 PM ET. Posted: October 15, 2021 2:05 PM ET

Level of Community Transmission of COVID-19, by State/Territory



Territories



Level of Community Transmission



Variant Proportions

<https://covid.cdc.gov/covid-data-tracker/#variant-proportions>

Use the controls to focus on a specific region and/or 1-week interval

HHS Region

USA

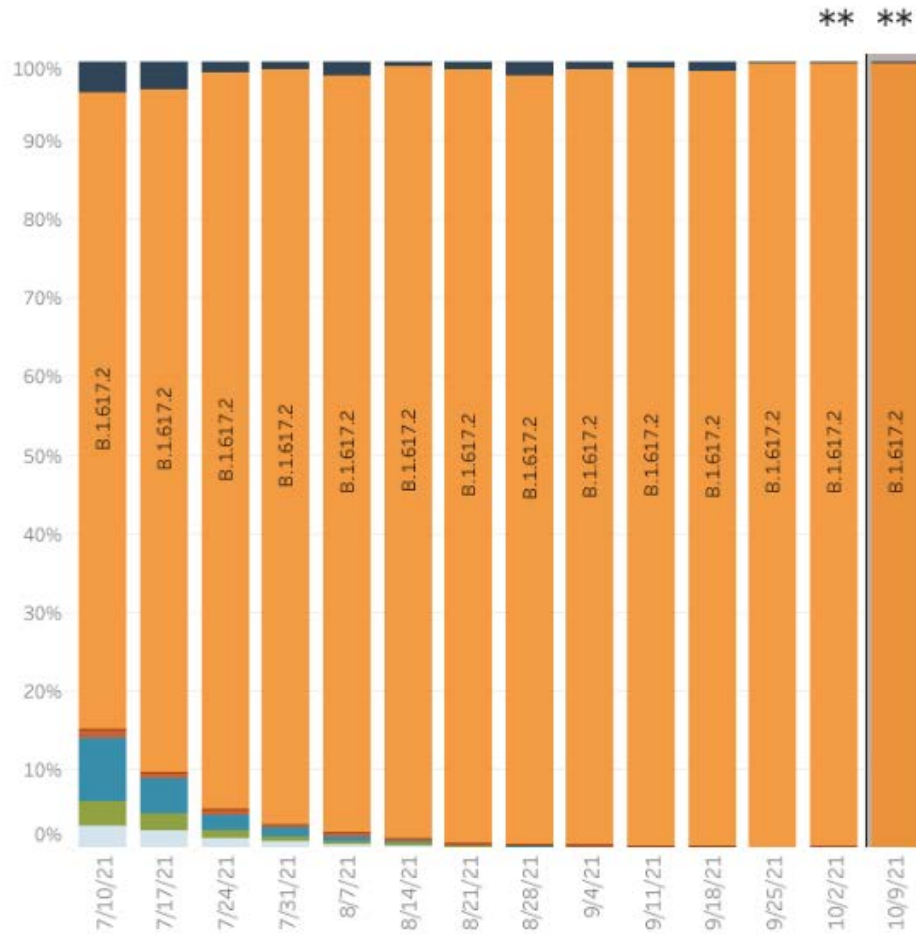
Nowcast On
 Nowcast Off

Week Ending

10/9/2021

United States: 7/4/2021 – 10/9/2021

United States: 10/3/2021 – 10/9/2021 NOWCAST



** **

USA

WHO label	Lineage #	US Class	%Total	95%PI
Alpha	B.1.1.7	VBM	0.0%	0.0-0.0%
Gamma	P.1	VBM	0.0%	0.0-0.0%
Delta	B.1.617.2	VOC	99.9%	99.8-99.9%
	AY.1	VOC	0.0%	0.0-0.1%
	AY.2	VOC	0.0%	0.0-0.0%
Mu	B.1.621	VBM	0.0%	0.0-0.0%
Other	Other*		0.0%	0.0-0.1%

* Enumerated lineages are US VOC and lineages circulating above 1% nationally in at least one week period. "Other" represents the aggregation of lineages which are circulating <1% nationally during all weeks displayed.

** These data include Nowcast estimates, which are modeled projections that may differ from weighted estimates generated at later dates

Sublineages of P.1 and B.1.621 are aggregated with the parent lineage and included in parent lineage's proportion. Q.1-Q.8 are aggregated with B.1.1.7. AY.3-AY.38 and their sublineages are aggregated with B.1.617.2.

Collection date week ending

COVID-19 By the Numbers as of 09-27-2021













<https://www.cdc.gov/coronavirus/2019-ncov/cdcresponse/by-the-numbers.html>

COVID-19 RESPONSE BY THE NUMBERS

As of October 12, 2021



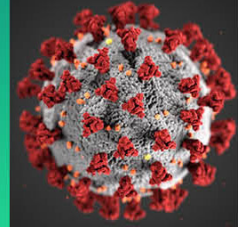
Accessible www.cdc.gov/coronavirus/2019-ncov/cdcresponse/by-the-numbers.html

	9,782	CDC personnel supporting the outbreak response		49.6+ million	Times people have used CDC's online Coronavirus Self-Checker
	1,829	CDC deployers who have conducted 4,083 deployments to 341 cities across the United States and abroad		1.4+ million	Calls and emails to CDC-INFO
	358	COVID-19 studies published in CDC's Morbidity and Mortality Weekly Report (MMWR)		3.3+ billion	Times people have looked for information on CDC websites
	8,609	Documents providing information and guidance for government agencies, businesses, and the public		4.2+ billion	Social media impressions on 16,898 CDC response-related posts
	590+ million	COVID-19 tests conducted by public and private laboratories in the United States		87,662+	Inquiries from doctors, nurses, or other clinical staff and health departments received by CDC
	216+ million	People who have received at least one dose of a COVID-19 vaccine		187+ million	People who have been fully vaccinated with a COVID-19 vaccine

cdc.gov/coronavirus

CS31665-A

COVID-19 Science Update



<https://www.cdc.gov/library/covid19/scienceupdates.html?Sort=Date%3A%3Adesc>

[COVID-19 Science Update released: October 15, 2021 Edition 108](#)

[COVID-19 Science Update released: October 8, 2021 Edition 108](#)

[COVID-19 Science Update released: October 1, 2021 Edition 107](#)

[COVID-19 Science Update released: September 24, 2021 Edition 106](#)

[COVID-19 Science Update released: September 17, 2021 Edition 105](#)

[COVID-19 Science Update released: September 10, 2021 Edition 104](#)

[COVID-19 Science Update released: August 20, 2021 Edition 103](#)

[COVID-19 Science Update released: August 13, 2021 Edition 102](#)

[COVID-19 Science Update released: August 6, 2021 Edition 101](#)

[COVID-19 Science Update released: July 30, 2021 Edition 100](#)

[COVID-19 Science Update released: July 23, 2021 Edition 99](#)

[COVID-19 Science Update released: July 16, 2021 Edition 98](#)

[COVID-19 Science Update released: July 9, 2021 Edition 97](#)

[COVID-19 Science Update released: July 2, 2021 Edition 96](#)

[COVID-19 Science Update released: June 25, 2021 Edition 95](#)

CDC What's New & Updated

<https://www.cdc.gov/coronavirus/2019-ncov/whats-new-all.html>

- 10/15/21 [Cases in the U.S.](#)
- 10/15/21 [Overall US COVID-19 Vaccine Distribution and Administration Update as of Fri, 15 Oct 2021 06:00:00 EST](#)
- 10/14/21 [COVID-19 Science Update released: October 15, 2021 Edition 109](#)
- 10/14/21 [COVID Data Tracker Weekly Review](#)
- 10/14/21 [COVID Data Tracker Recent Updates - 2021-10-14 - New Rates of Cases and Deaths by Vaccination Status tab shows infection and death rates by vaccination status](#)
- 10/14/21 [COVID Data Tracker Recent Updates - 2021-10-14 - New Hospitalizations by Vaccination Status - COVID-NET tab shows hospitalization rates by vaccination status](#)
- 10/13/21 [Science Brief: Evidence used to update the list of underlying medical conditions that increase a person's risk of severe illness from COVID-19](#)
- 10/13/21 [Underlying Medical Conditions Associated with High Risk for Severe COVID-19: Information for Healthcare Providers](#)
- 10/13/21 [People with Certain Medical Conditions](#)
- 10/12/21 [COVID-19 Forecasts: Deaths](#)
- 10/12/21 [Previous COVID-19 Forecasts: Hospitalizations](#)
- 10/12/21 [Staffing Resources](#)
- 10/12/21 [Selected Adverse Events Reported after COVID-19 Vaccination](#)
- 10/12/21 [Frequently Asked Questions about COVID-19 Vaccination](#)
- 10/12/21 [COVID-19 Forecasts: Cases](#)
- 10/11/21 [v-safe COVID-19 Vaccine Pregnancy Registry](#)
- 10/11/21 [Operational Considerations for Personal Protective Equipment in the Context of Global Supply Shortages for Coronavirus Disease 2019 \(COVID-19\) Pandemic: non-US Healthcare Settings](#)
- 10/11/21 [Evaluation for SARS-CoV-2 Testing in Animals](#)
- 10/11/21 [COVID-19 Travel Recommendations by Country](#)
- 10/7/21 [COVID-19 Science Update released: October 8, 2021 Edition 108](#)
- 10/7/21 [COVID-19 Vaccines for Moderately to Severely Immunocompromised People](#)
- 10/7/21 [CDC's COVID-19 Weekly Partner Calls](#)
- 10/7/21 [Distribution of SARS-CoV-2 Variants in a Large Integrated Health Care System — California, March–July 2021](#)
- 10/7/21 [National and State Trends in Anxiety and Depression Severity Scores Among Adults During the COVID-19 Pandemic — United States, 2020–2021](#)
- 10/7/21 [COVID-19 Outbreaks at Youth Summer Camps — Louisiana, June–July 2021](#)
- 10/7/21 [COVID Data Tracker Weekly Review](#)

CDC Guidance

<https://www.cdc.gov/coronavirus/2019-ncov/communication/guidance-list.html?Sort=Date%3A%3Adesc>

[Interim Public Health Recommendations for Fully Vaccinated People](#)

Interim public health recommendations describing the type of activities people who are fully vaccinated can do once fully vaccinated.

Date: 10/14/21

[COVID-19 Vaccination Program Operational Guidance](#)

Operational guidance for COVID-19 Vaccination Program jurisdictions operations. Date: 10/13/21

[Operational Considerations for Personal Protective Equipment in the Context of Global Supply Shortages for Coronavirus Disease 2019 \(COVID-19\) Pandemic: non-US Healthcare Settings](#)

Considerations for personal protective equipment (PPE) in the context of global supply shortages in non-US healthcare settings.

Date: 10/11/21

[Evaluation for SARS-CoV-2 Testing in Animals](#)

This is guidance for state public health veterinarians and state animal health officials to help guide decisions on testing animals for SARS-CoV-2. Date: 10/11/21

[Interim Guidance for SARS-CoV-2 Testing in Non-Healthcare Workplaces](#)

Guidance for employers for COVID-19 testing incorporation in the workplace and COVID-19 preparedness, response, and control plan.

Date: 10/6/21

[Operational Considerations for Personal Protective Equipment in the Context of Global Supply Shortages for Coronavirus Disease 2019 \(COVID-19\) Pandemic: non-US Healthcare Settings](#)

Considerations for personal protective equipment (PPE) in the context of global supply shortages in non-US healthcare settings.

Date: 10/6/21

[Standard Operating Procedure \(SOP\) for Triage of Suspected COVID-19 Patients in non-US Healthcare Settings: Early Identification and Prevention of Transmission during Triage](#)

This document is provided by CDC and is intended for use in non-US healthcare settings. This document is intended for healthcare facilities that are receiving or are preparing to receive patients with suspected or confirmed coronavirus disease 2019 (COVID-19).

Date: 10/5/21

[Interim Guidance for SARS-CoV-2 Testing in Non-Healthcare Workplaces](#)

Guidance for employers for COVID-19 testing incorporation in the workplace and COVID-19 preparedness, response, and control plan.

Date: 9/30/21

California Takes Action to Combat COVID-19

<https://www.gov.ca.gov/california-takes-action-to-combat-covid-19/>



State Data

<https://covid19.ca.gov/>
<https://update.covid19.ca.gov/#top>
<https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/Immunization/ncov2019.aspx#>
<https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/COVID-19/CovidDataAndTools.aspx>

Safely reopening California

<https://covid19.ca.gov/safely-reopening/>

Blueprint for a Safer Economy – COVID-19 and Equity

<https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/COVID-19/CaliforniaHealthEquityMetric.aspx>

California Healthy Places Index

<https://covid19.healthyplacesindex.org/>
<https://map.healthyplacesindex.org/>

Safe Schools for All

<https://schools.covid19.ca.gov/>

CDPH

<https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/DCDC.aspx>

CDPH Statewide Guidance

<https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/Guidance.aspx>



Office of Governor
GAVIN NEWSOM

Press Releases, Executive Orders, Media Advisories,
Proclamations, and “On the Record” Column

<https://www.gov.ca.gov/newsroom/>

Data models

<https://covid19.ca.gov/data-and-tools/>

Cal/OSHA

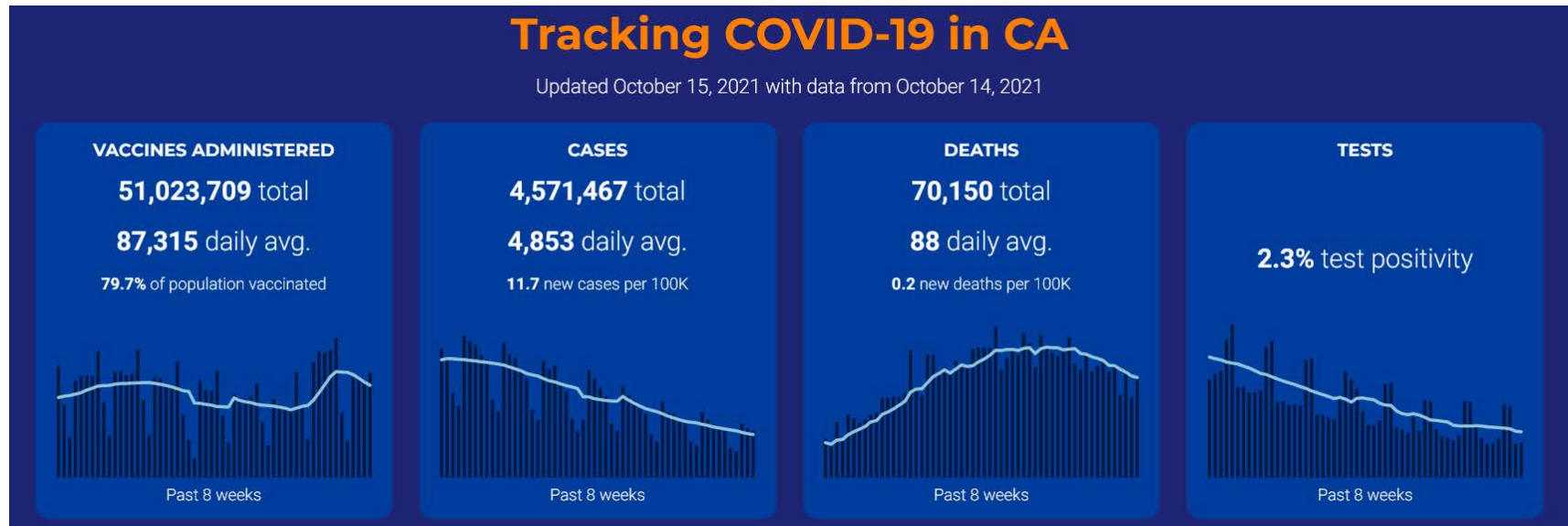
<https://www.dir.ca.gov/dosh/>
<https://www.dir.ca.gov/dosh/COVID19citations.html>
<https://www.dir.ca.gov/oshab/oshab.html>

Vaccines

<https://covid19.ca.gov/vaccines/>
<https://myturn.ca.gov/>

News Releases

<https://www.cdph.ca.gov/Programs/OPA/Pages/News-Releases-2021.aspx>



Vaccinations administered in California, by county of residence.

<https://covid19.ca.gov/vaccination-progress-data/>

Statewide

24,353,679 (71.8%) People fully vaccinated
2,679,131 (7.9%) People partially vaccinated



51,023,709 (86.4%) Doses administered
87,315 Average doses per day

1,358,351 Booster Doses Administered



4,859,974 Doses on hand
(56 days of inventory)



59,051,615 Doses Delivered
20,866,800 CDC Pharmacy Doses Delivered

See [Data Dictionary](#) for Details.

Doses Administered by County of Residence

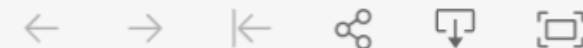
County

(All) ▾



Los Angeles	13,123,974
San Diego	4,572,079
Orange	4,224,401
Santa Clara	2,975,005
Riverside	2,650,800
Alameda	2,417,762
San Bernardino	2,206,037
Sacramento	1,876,625
Contra Costa	1,721,918
San Francisco	1,370,642
San Mateo	1,174,416
Ventura	1,111,503
Fresno	1,074,439
San Joaquin	834,971
Kern	825,405
Sonoma	713,021
Stanislaus	572,546
Santa Barbara	563,105
Monterey	553,343
Solano	546,926

Data: 10/14/2021 11:59pm | Posted: 10/15/2021



Post-Vaccine COVID-19 Cases

<https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/COVID-19/Post-Vaccine-COVID19-Cases.aspx>

What Is a Post-Vaccination COVID-19 Case?

Post-vaccination cases are defined as individuals who are fully vaccinated and have a positive SARS-CoV-2 molecular (e.g. PCR) test 14 days or more after they have completed their full one-dose or two-dose COVID-19 vaccination series. They are also referred to as vaccine breakthrough cases.

How Are Post-Vaccination COVID-19 Cases Identified?

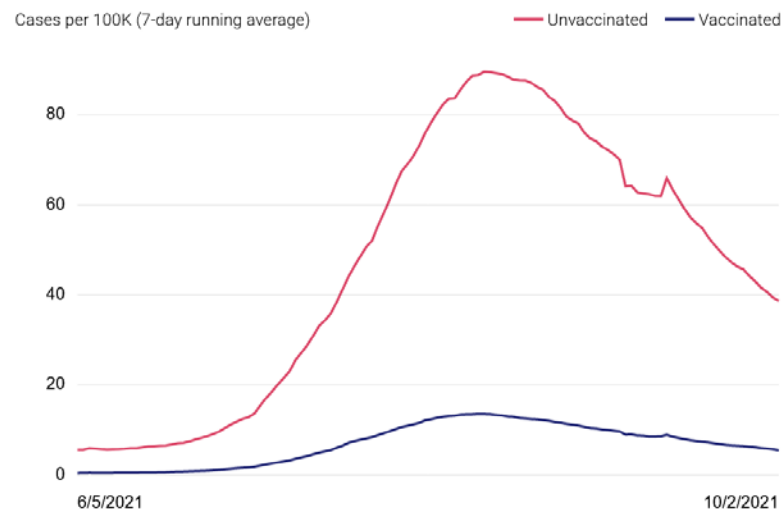
The California Department of Public Health (CDPH) is identifying post-vaccination cases by analyzing the immunization and case registries to find individuals who have a positive SARS-Cov-2 molecular test at least 14 days after they have completed their full vaccination series. Local Health Jurisdictions (LHJs) are also encouraged to alert CDPH of post-vaccination cases especially if they result in severe disease (e.g., hospitalization or death) or if they are associated with an outbreak.

Why are we Tracking Post-Vaccination Cases?

Tracking cases of COVID-19 that occur after vaccination is important for monitoring the immunization campaign. While COVID-19 vaccines are safe and effective, some cases are still expected in persons who have been vaccinated, as no vaccine is 100% effective. If the number or severity of post-vaccination cases exceeds expected levels, this could be a signal of reduced protection against a variant or errors in vaccine delivery. Whole genome sequencing of post-vaccination cases, especially severe cases, can help characterize the effectiveness of current vaccines against variants.

Unvaccinated and vaccinated data

<https://covid19.ca.gov/state-dashboard/#postvax-status>





Riverside County Data

<https://www.rivcoph.org/coronavirus>

Total Tests 4,291,665	Confirmed 359,283	Currently Hospitalized 282 Includes 74 in ICU	Deaths 5,080	Recovered 350,252
Case Rate / 100k 13.9 (7-Day Avg & 7-Day Lag)	Positivity 5.2% (7-Day Avg & 7-Day Lag)		COVID-19 Data for Zip Codes and Communities here	

Dashboard -Click [here](#) for more detailed city/community data and reports

RUHS Public Health News:

- Booster vaccine doses available in Riverside County from Public Health and community partners [English](#) / [Spanish](#)
- Health officials confirm death of 4-year-old is COVID-19 related [English](#) / [Spanish](#)
- [Black barbershops, salons in RivCo join the fight against vaccine hesitancy](#)
- Additional vaccine available for individuals in Riverside County with immunocompromised health [English](#) / [Spanish](#) - August 19, 2021
- COVID-19 vaccine clinics closing in Hemet, Desert Hot Springs, Moreno Valley and Perris [English](#) / [Spanish](#) - August 12, 2021
- Vaccine clinics closing in Riverside and Lake Elsinore as health officials continue focus on mobile teams [English](#) / [Spanish](#) - July 30, 2021

COVID-19 Vaccine

<https://www.rivcoph.org/COVID-19-Vaccine>

RUHS Public Health:

- [Pfizer Covid Vaccine Updated EUA – August 23, 2021](#)
- [Fact Sheet for Healthcare Providers Administering Vaccine \(Vaccination Providers\) Emergency Use Authorization \(EUA\) of the Pfizer-Biontech Covid-19 Vaccine to Prevent Coronavirus Disease 2019 \(Covid-19\) – August 23, 2021](#)

RIVERSIDE COUNTY DAILY COVID-19 REPORT

<https://www.rivcoph.org/Portals/0/Documents/CoronaVirus/Reports/DailyEpidemiologySummary.pdf?x=1633733201144>

Oct 15, 2021

TOTAL CASES
359,577

NEW REPORTED CASES
294

TOTAL DEATHS
5,092

NEW DEATHS
12

TOTAL RECOVERED
350,793

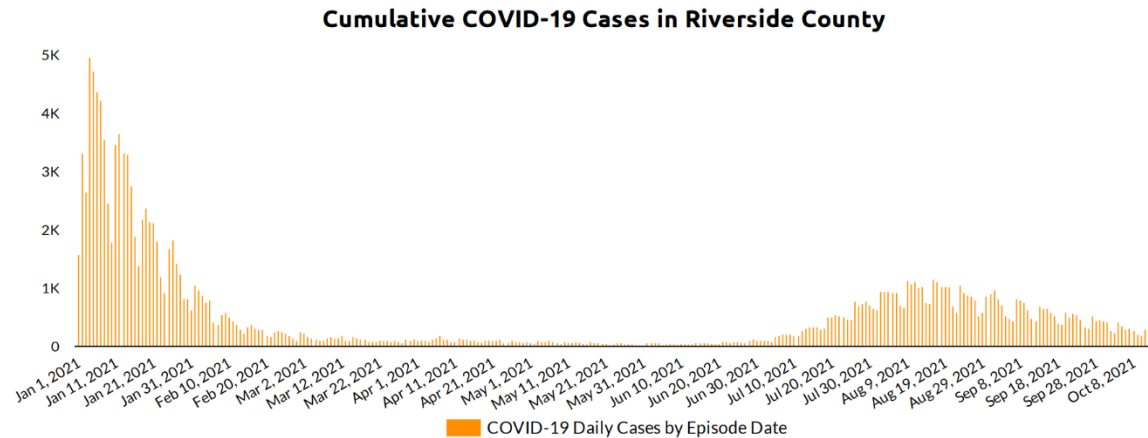
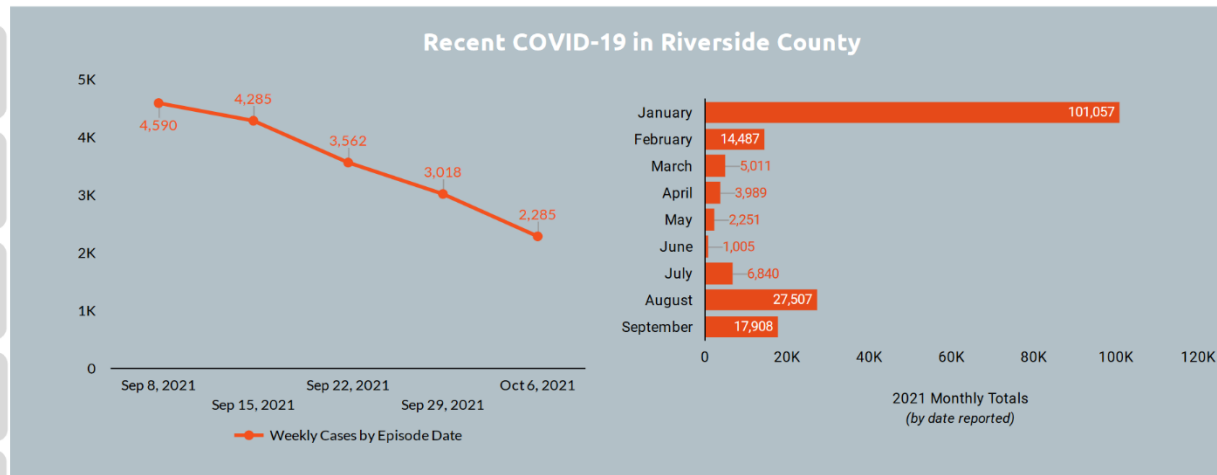
PROBABLE CASES*
16,267

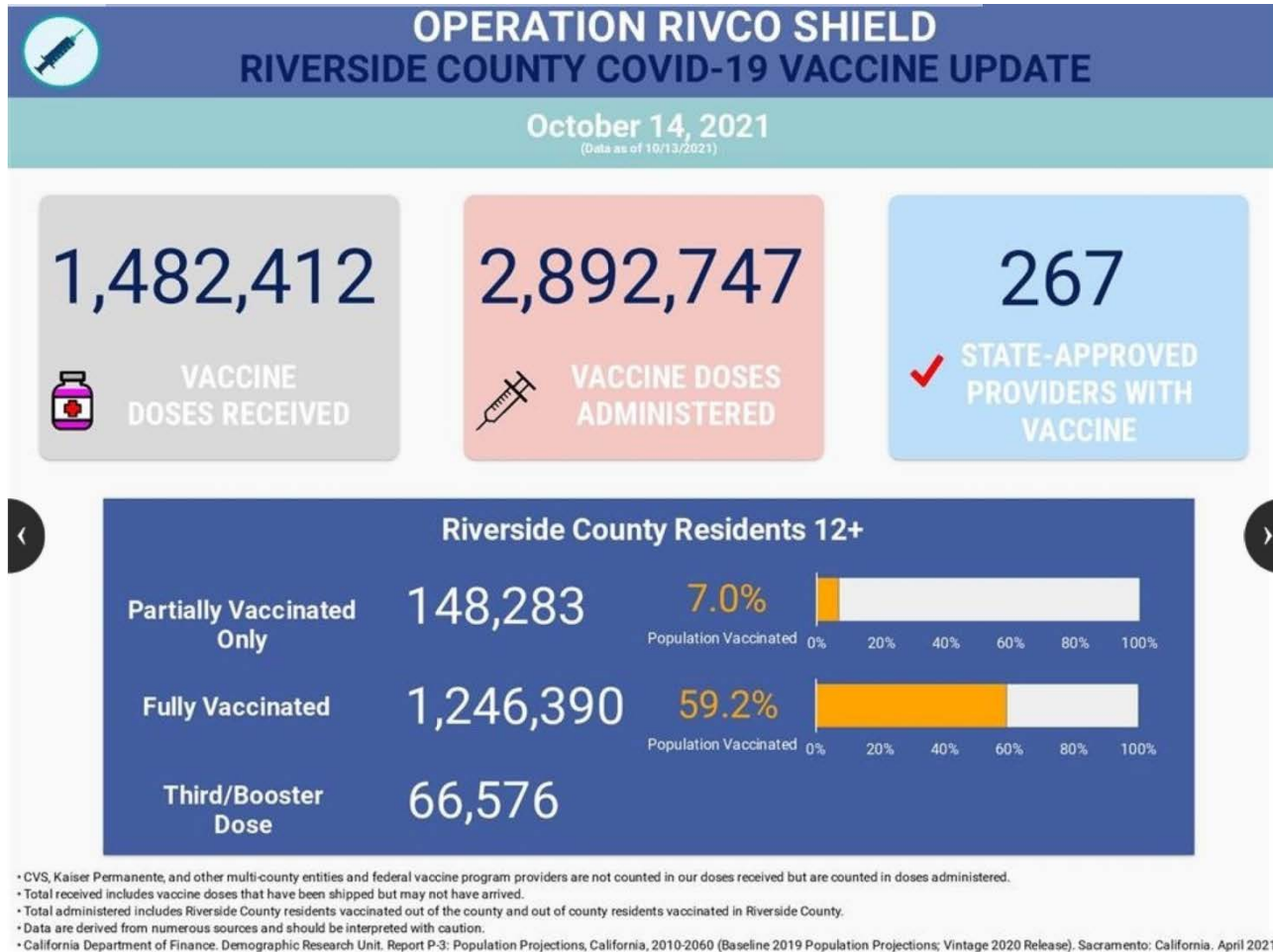
CURRENT HOSPITALIZED (includes ICU)
278

CURRENT ICU
70


DOUBLING TIME
289.0

RIVERSIDE COUNTY COVID-19 CASES





Weather

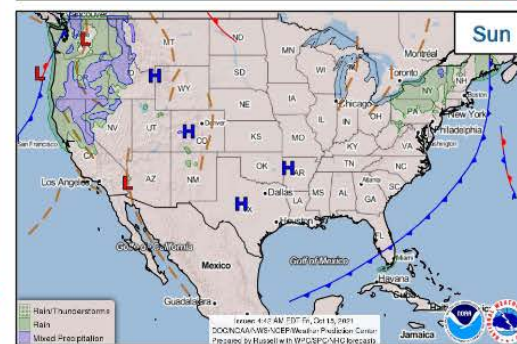
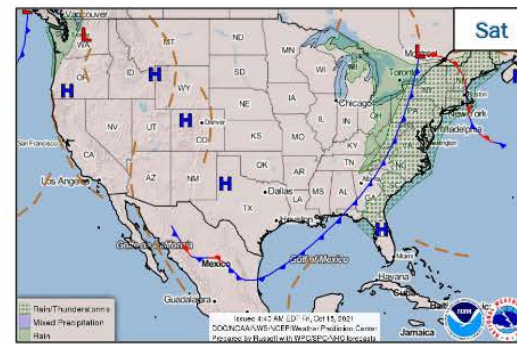
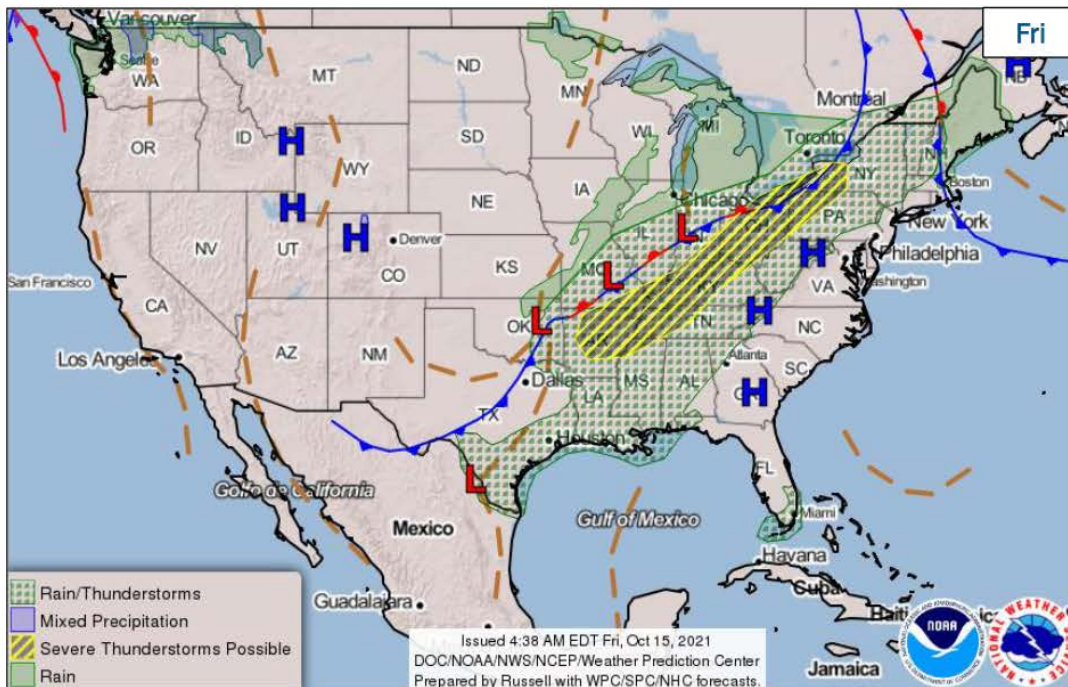
 National Weather Service San Diego, California		<h2 style="text-align: right;">Weather Risk Outlook</h2> 1:00 PM Friday October 15, 2021						
County	Zone	Fri 10/15	Sat 10/16	Sun 10/17	Mon 10/18	Tue 10/19	Wed 10/20	Thu 10/21
San Diego	Beach/Marine	Warm	Warm	Fog	Fog AM Drizzle	None	None	None
	Coast	Warm	Warm	Fog	Fog AM Drizzle	None	None	None
	Valleys	Warm Weak Santa Ana	Warm	None	AM Drizzle	None	None	None
	Mountains	Weak Santa Ana Winds	Warm Weak Santa Ana	None	None	None	None	None
	Desert	None	Warm	Warm	None	None	None	None
Orange	Beach	Warm	Warm	Fog	Fog AM Drizzle	None	None	None
	Coast	Warm	Warm	Fog	Fog AM Drizzle	None	None	None
	Inland	Warm Weak Santa Ana	Warm	None	None	None	None	None
	Mountains	Weak Santa Ana Winds	Weak Santa Ana Winds	None	None	None	None	None
Riverside	Inland Empire	Weak Santa Ana Winds	Warm Weak Santa Ana	None	None	None	None	None
	Mountains	Weak Santa Ana Winds	Weak Santa Ana Winds	None	None	None	None	None
	Desert	None	Warm	None	None	None	None	None
San Bernardino	Inland Empire	Weak Santa Ana Winds	Warm Weak Santa Ana	None	None	None	None	None
	Mountains	Weak Santa Ana Winds	Weak Santa Ana Winds	None	None	None	None	None
	Desert	None	Warm	None	None	None	None	None

Impact Threat Levels
 None
 Minor
 Moderate
 High
 Extreme

Latest hazard threat table: <https://www.wrh.noaa.gov/sqx/event/dsstable.php>

<https://www.weather.gov/forecastpoints#>

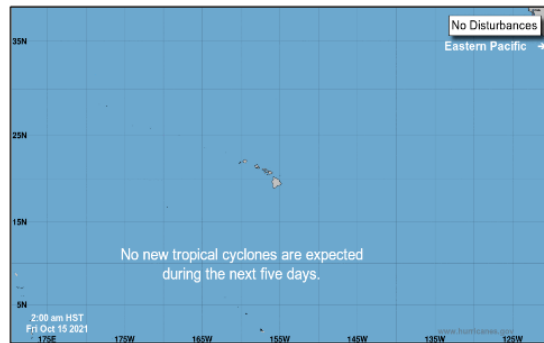
National Weather Forecast



National Watch Center

Tropical Outlook – Five Day

Central Pacific



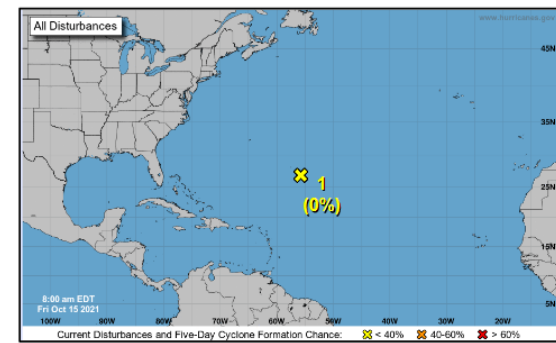
- No significant activity

Eastern Pacific



- No significant activity

Atlantic



Disturbance 1 (as of 8:00 a.m. ET)

- Located 500 miles SE of Bermuda
- Conditions are unfavorable for development
- Formation chance: 48 hours: Low (0%);
5 days: Low (0%)



FEMA

National Watch Center

Wildfire Summary

Fire Name (County, ST)	FMAG #	Acres Burned	Percent Contained	Evacuations	Structures (Homes / Other)			Fatalities/ Injuries
					Threatened	Damaged	Destroyed	
Alisal (Santa Barbara, CA)	5419-FM-CA	16,801 (+1,359)	11% (+6)	M: 878 (+378)	H: 439 (+239)	H: 0	H: 2 (+1)	0 / 1
				V: 600	O: 5 (+2)	O: 0	O: 2 (+2)	

(Evacuations: M = Mandatory / V = Voluntary; Structures: H = Homes and Mixed Commercial/Residential / O = Non-residential Commercial/Other Minor Structures)

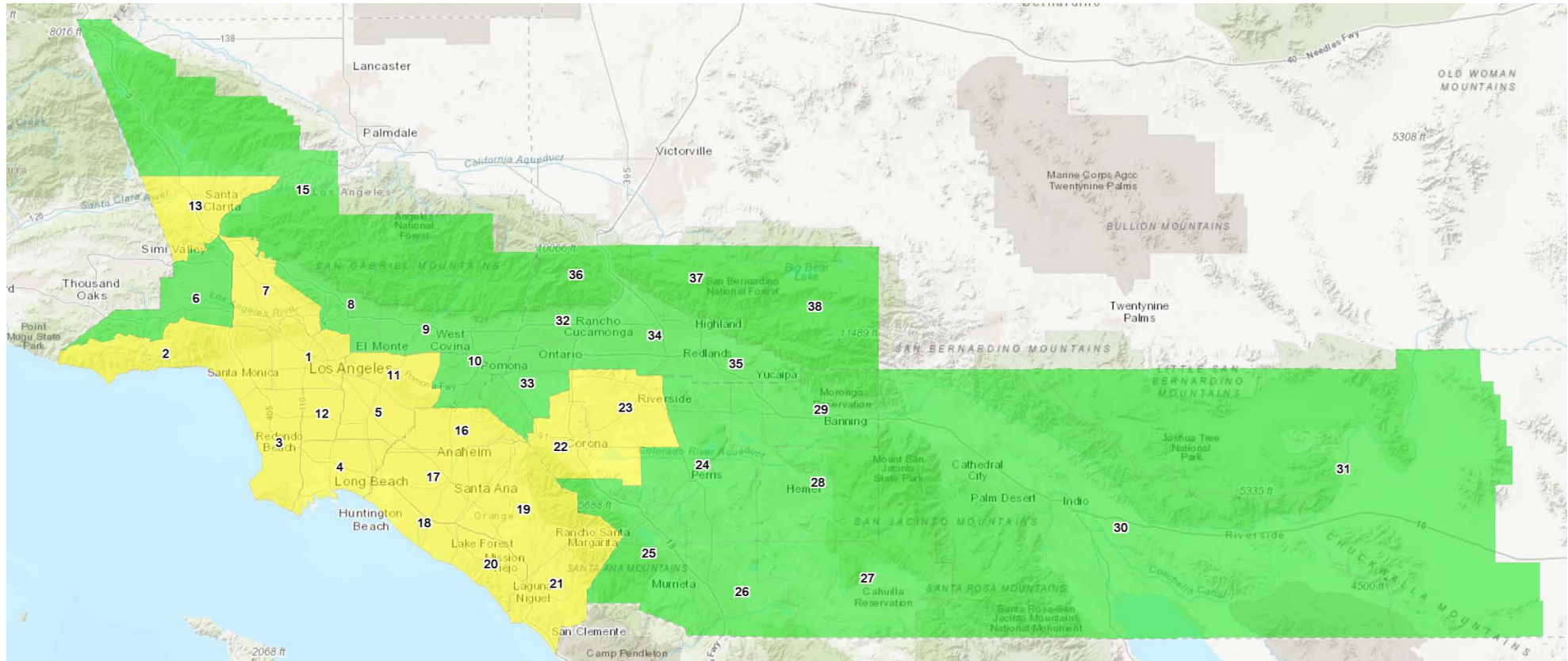


National Watch Center



Today's Forecast

<https://www.arcgis.com/apps/webappviewer/index.html?id=85c7770bac684749a631bd7b42eac1b7>



Legend

The Air Quality Index (AQI) is an index for reporting daily air quality that conveys how air pollution can affect public health. The AQI is divided into six levels of health concern:

AQI Value

- Hazardous (301-500)
- Very Unhealthy (201-300)
- Unhealthy (151-200)
- Unhealthy for Sensitive Groups (101-150)
- Moderate (51-100)
- Good (0-50)