



****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, September 17, 2021

As of 1:00 PM

COVID-19 by the Numbers

09/17/2021	Riverside	Imperial	Kern	Los Angeles*	Orange	San Bernardino	San Diego	San Luis Obispo	Santa Barbara	Ventura	California	United States	Global
Total Cases	339,020	30,886	113,542	1,374,080	291,833	334,515	346,933	26,932	41,077	92,956	4,387,386	41,593,179	226,236,577
Total Cases Per Capita	13,736	16,116	12,245	13,396	9,039	15,086	10,293	9,658	9,001	10,901	10,933	12,515	2,914
% of Total Cases/Population	13.74%	16.12%	12.25%	13.40%	9.04%	15.09%	10.29%	9.66%	9.00%	10.90%	10.93%	12.52%	2.91%
Recovered**	336,842	27,508	119,725	Not Reported	275,757	330,922	Not Reported	25,653	40,640	91,145	2,384,920	32,349,021	204,695,637
% of total recovered/population	13.65%	14.35%	12.91%	Not Reported	8.54%	14.92%	Not Reported	9.20%	8.90%	10.69%	5.94%	9.73%	2.64%
Total Deaths	4,769	753	279	25,767	5,328	5,470	3,983	306	497	1,109	32,259	666,440	4,654,548
Deaths Per Capita	193.22	392.91	30.09	251.20	165.03	246.69	118.18	109.73	108.90	130.05	80.39	200.53	59.95
% of Total Deaths/Population	0.19%	0.39%	0.03%	0.25%	0.17%	0.25%	0.12%	0.11%	0.11%	0.13%	0.08%	0.20%	0.06%
% of State's Cases	7.73%	0.70%	2.59%	31.32%	6.65%	7.62%	7.91%	0.61%	0.94%	2.12%	10.55%	18.38%	
Currently in Hospitals	483	22	335	1,156	371	464	478	35	49	107	6,553		
Total Hospital Beds	3,499	236	1,259	19,322	5,957	3,733	6,515	430	614	1,189	67,016		
Currently in ICU	127	8	73	376	102	138	165	11	15	34	1,815		
ICU Beds Available	51	7	20	535	149	136	198	8	22	29	1,608		
Case Fatality Rate	1.41%	2.44%	0.25%	1.88%	1.83%	1.64%	1.15%	1.14%	1.21%	1.19%	0.74%	1.60%	2.06%
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	332,345,359	7,763,643,000
% of Population	6.15%	0.48%	2.31%	25.56%	8.05%	5.53%	8.40%	0.69%	1.14%	2.13%	12.07%	4.28%	

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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Weather
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Air Quality
More detail on page 31

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.

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<https://www.allsides.com/topics/coronavirus?search=coronavirus>

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Don't be fooled by media bias and fake news. We display the day's [top news stories](#) from the Left, Center and Right of the political spectrum — side-by-side so you can see the full picture. Read our [editorial philosophy](#).

FDA committee meets to debate and vote on Covid booster shots for the general public — 9/17/21

- A key Food and Drug Administration vaccine advisory committee is meeting Friday to debate and vote on Pfizer and BioNTech's application to offer booster shots to the general public.
- The vote by the agency's Vaccines and Related Biological Products Advisory Committee comes as some scientists — including at least two who are leaving the FDA over pressure from the Biden administration to approve the shots — say they aren't entirely convinced every American needs extra doses at this time. The vote is scheduled for around 2:30 p.m. ET.
<https://www.aljazeera.com/news/2021/8/26/japan-moderna-vaccine-covid-contamination>

NIH Misdirected antibodies linked to severe COVID-19

- The severity of COVID-19 can differ drastically between individuals. Some people never know they've been infected, while others may end up needing intensive care or dying from the disease.
- Antibodies that mistakenly target the body's own immune-system proteins may account for about 20% of COVID-19 deaths.
- Tests for these misdirected antibodies could help identify people in need of aggressive early treatment or preventive measures.
<https://www.nih.gov/news-events/nih-research-matters/misdirected-antibodies-linked-severe-covid-19>

NIH builds large nationwide study population of tens of thousands to support research on long-term effects of COVID-19

- Awarded nearly \$470 million to build a national study population of diverse research volunteers and support large-scale studies on the long-term effects of COVID-19.

- The parent award to New York University (NYU) Langone Health, New York City, which will make multiple sub-awards to more than 100 researchers at more than 30 institutions and serves as the RECOVER Clinical Science Core. This major new award to NYU Langone supports new studies of COVID-19 survivors and leverages existing long-running large cohort studies with an expansion of their research focus. This combined population of research participants from new and existing cohorts, called a meta-cohort, will comprise the RECOVER Cohort. This funding was supported by the American Rescue Plan.

<https://www.nih.gov/news-events/news-releases/nih-builds-large-nationwide-study-population-tens-thousands-support-research-long-term-effects-covid-19>

Blood test could reveal who is most likely to get severe covid-19

- A simple blood test could help predict which people with covid-19 are likely to get severely ill and need to go on a ventilator. The test measures levels of antibodies in the blood that are directed against molecules released by dead blood cells, including their own DNA.
- The test may also prove helpful in infected people before they reach the stage of needing hospital treatment, says Ana Rodriguez at NYU Langone. “It is likely to be less accurate in that group, but it could indicate who needs closer monitoring”
- Those with high levels of antibodies directed against DNA or a fatty molecule from cell membranes called phosphatidylserine had about a 90 per cent chance of deteriorating. But the test only identified about a quarter of people who got worse. “It won’t mean we catch everybody but if you have this, it looks very bad,” says Rodriguez.

<https://www.newscientist.com/article/2289718-blood-test-could-reveal-who-is-most-likely-to-get-severe-covid-19/>

New COVID-19 Treatment Center Opens In Riverside County

- Riverside County's first state-supported Monoclonal Antibody Treatment Center to combat severe and life-threatening illness in COVID-19 patients has opened at Riverside University Health System Medical Center in Moreno Valley.
- "Monoclonal antibodies to treat COVID-19 are directed against the spike protein of SARS-COV2, designed to block the virus' attachment and entry into human cells," according to the California Department of Public Health's website.
- Monoclonal antibody treatment is available to people ages 12 and older with mild-to-moderate COVID-19 who also meet certain criteria under the U.S. Food and Drug Administration's Emergency Use Authorization.
- To be eligible to receive monoclonal antibodies, a patient must meet three of the following criteria:
 - Positive SARS-CoV-2 test result
 - Symptoms that started within the last 10 days
 - Have at least one of these risk factors: a Body Mass Index of at least 25; chronic kidney disease; diabetes mellitus; pregnancy; immunosuppressive disease; be receiving immunosuppressive treatment; OR be 65 years of age or older; OR be 55 years of age or older and have one of the following: Cardiovascular disease, Hypertension, COPD/other chronic respiratory illness
- The center started welcoming patients on Monday, and will be open 8 a.m. to 6 p.m. Monday through Saturday by appointment. For questions about scheduling, contact the clinic directly at 951-486-6520.

<https://patch.com/california/lakeelsinore-wildomar/s/hsmus/new-covid-19-treatment-center-opens-in-riverside-county>

COVID Now the Leading Cause of U.S. Law Enforcement Deaths

- According to the National Law Enforcement Officers Memorial Fund, 182 law enforcement officers died of COVID-19 last year. Add the 71 officers who have died in the first half of this year from the virus, and COVID is now the leading cause of law enforcement officer line-of-duty fatalities.

<https://www.campussafetymagazine.com/news/covid-now-the-leading-cause-of-u-s-law-enforcement-deaths/>

RELATED

Riverside County Sheriff Doubles Down Against Vaccine Mandates

- In a statement released Monday, Sheriff Chad Bianco defended his comments made in a Sept. 9 podcast in which he spoke against mandates.

<https://patch.com/california/lakeelsinore-wildomar/s/hsiuj/riverside-county-sheriff-doubles-down-against-vaccine-mandates>

Florida landlord says tenants must get coronavirus vaccine: ‘You don’t want to get vaccinated? You have to move.’

- Tenants wishing to renew their leases must now show proof of vaccination, Alvarez said, though he added that he is willing to allow more time for some long-term residents to meet the requirement. Employees who decline to get the vaccine will be terminated, Alvarez said.
- After recovering from covid-19 earlier this year, recently losing two friends from virus complications, and learning that at least a dozen of his tenants have died of the illness, Alvarez — who owns about 1,200 units in Broward and Miami Dade counties — said he is not willing to compromise the health of his vaccinated employees and tenants for those unwilling to get immunized.
- “It very much upsets me that my employees are exposed to [covid-19] all days of the week because there is someone who does not want to get vaccinated,” Alvarez, 80, told The Post. “If you don’t want to get vaccinated, I have the obligation and the duty to protect my workers and tenants.”
- Alvarez’s attorney, Juan C. Zorrilla, told The Post his client is not violating the governor’s order because tenants are not “customers or patrons” and Alvarez is not providing a service to them. Alvarez, who is willing to make exceptions for those who choose not to get vaccinated for religious or medical reasons, is not violating any other state law or county ordinance, Zorrilla added.
- A spokeswoman for the governor’s office told The Post in an email that “the law is very clear,” adding that the Department of Health will issue \$5,000 fines to businesses, government entities and educational institutions that require proof of vaccination. The law goes into effect Thursday.
- Alvarez “can’t require vaccine passports as a condition of entry or service,” Christina Pushaw, a spokeswoman for DeSantis, told The Post.

<https://www.washingtonpost.com/nation/2021/09/15/florida-landlord-requiring-covid-vaccine-proof/>

COVID-19 No Worse Than Flu? Tell It to the 600,000 Dead.

- Many might recall that early in the outbreak, pandemic denialists — who continue to this day — frequently said COVID-19 was no worse than seasonal influenza. More than 600,000 Americans would beg to differ, if they could speak.
- As part of an argument for healthcare workers to take the vaccine, a physician noted in a recently published paper the mortality rate for influenza is estimated to be 1 in 1,000, whereas for SARS-CoV-2 is closer to 1 in 100 to 250.

- “We need merely review the large bump in national death rates and decrease in life expectancy last year compared to prior years to appreciate that SARS-CoV-2 is more deadly than influenza,” says Michael Klompas, MD, a professor of population medicine at Harvard Medical School.
- Trying to keep it simple, Klompas and authors listed eight reasons healthcare workers should be mandated to receive a COVID-19 vaccine as a condition of employment. The rapidly spreading delta variant was not one of them, but Klompas says such mutations make the other reasons for mandates that much more compelling.
<https://www.reliasmedia.com/articles/148408-covid-19-no-worse-than-flu-tell-it-to-the-600-000-dead>

The Case for Mandating COVID-19 Vaccines for Health Care Workers

Article : <https://www.acpjournals.org/doi/10.7326/M21-2366>

- Almost 15 years have passed since hospitals first began mandating influenza vaccines for health care workers. This initially innovative but now common policy was prompted by a dual desire to protect patients from health care–acquired influenza and to protect the workplace from the disruption and expense of worker illnesses. Health care organizations are now wrestling with whether to mandate SARS-CoV-2 vaccination for all employees. We believe that the case for mandating SARS-CoV-2 vaccines for health care workers is substantially stronger than the case was for mandating influenza vaccines (Table).

Table. The Case for Mandating COVID-19 Vaccines for Health Care Workers: Comparison of Influenza Versus COVID-19

Effect	Influenza	COVID-19
Mortality	~1 in 1000	~4–10 in 1000
Number of people infected	Infects ~10% of the U.S. population each year	Infected ~30% of the U.S. population in 2020
Threat to patients	Nosocomial spread well documented but understudied	Nosocomial spread well documented but understudied
Impact on operations	Absorbed by routine operations	Unprecedented disruption of routine operations (e.g., masking, distancing, virtual meetings, visitor restrictions, testing requirements, attestations)
Time lost to work	Employees return to work 1 d after fever resolves	Mandatory absence of at least 10 d
Vaccine effectiveness	30%–50%	70% for adenovirus vector; 90%–95% for mRNA
Vaccine experience	~50% of adults get influenza vaccine each year	>65% of U.S. adults vaccinated thus far

mRNA = messenger RNA.

RELATED

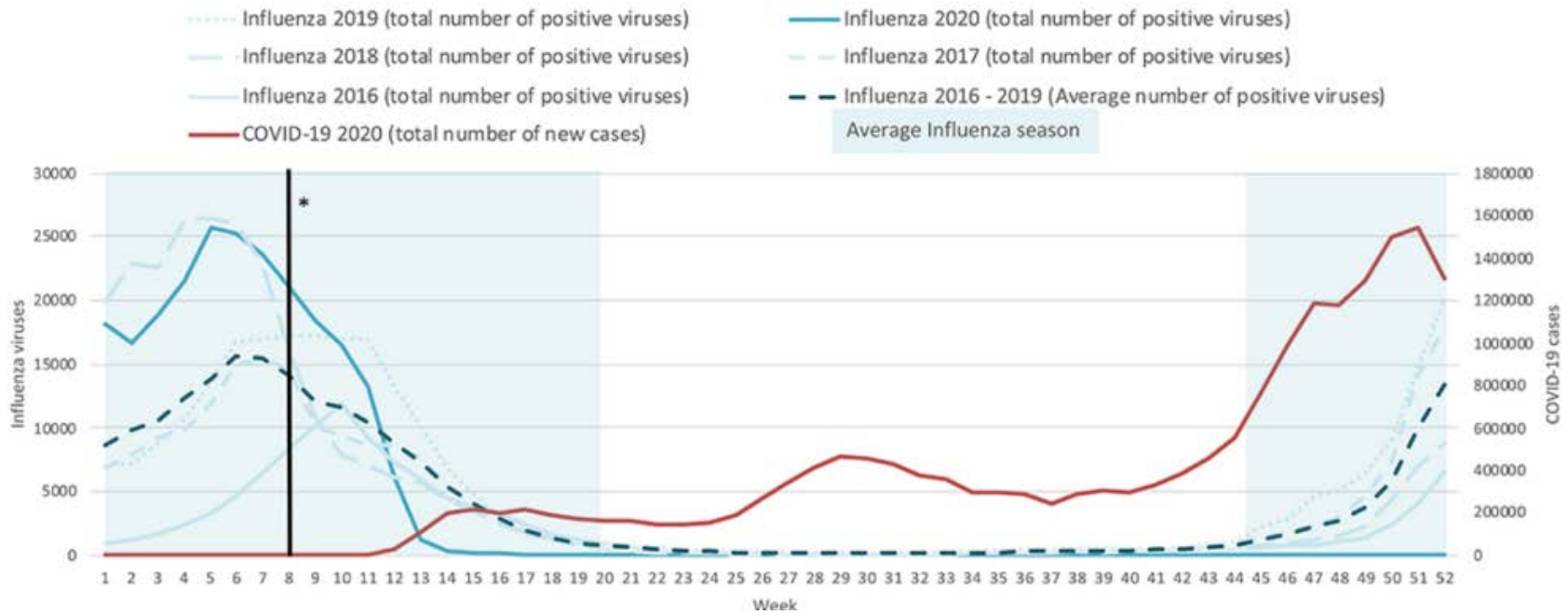
COVID-19 Is Not the Flu: Four Graphs From Four Countries

<https://www.frontiersin.org/articles/10.3389/fpubh.2021.628479/full>

- **Background:** COVID-19 has caused a global public health emergency. Government mitigation strategies included a series of behavior-based prevention policies that had a likely impact on the spread of other contagious respiratory illnesses, such as seasonal influenza. Our aim was to explore how 2019–2020 influenza tracked onto COVID-19 pandemic and its mitigation methods.
- **Materials and Methods:** We linked the WHO FluNet database and COVID-19 confirmed cases (Johns Hopkins University) for four countries across the northern (Canada, the United States) and southern hemispheres (Australia, Brazil) for the period 2016–2020. Graphical presentations of longitudinal data were provided.
- **Results:** There was a notable reduction in influenza cases for the 2019–2020 season. Northern hemisphere countries experienced a quicker ending to the 2019–2020 seasonal influenza cases (shortened by 4–7 weeks) and virtually no 2020 fall influenza season. Countries from the southern hemisphere experienced drastically low levels of seasonal influenza, with consistent trends that were approaching zero cases after the introduction of COVID-19 measures.
- **Conclusions:** It is likely that the COVID-19 mitigation measures played a notable role in the marked decrease in influenza, with little to no influenza activity in both the northern and southern hemispheres. In spite of this reduction in influenza cases, there was still community spread of COVID-19, highlighting the contagiousness of SARS-CoV-2 compared to influenza. These results, together with the higher mortality rate from SARS-CoV-2 compared to influenza, highlight that COVID-19 is a far greater health threat than influenza.

B

United States



RELATED

Comparison of the characteristics, morbidity, and mortality of COVID-19 and seasonal influenza: a nationwide, population-based retrospective cohort study

[https://www.thelancet.com/article/S2213-2600\(20\)30527-0/fulltext](https://www.thelancet.com/article/S2213-2600(20)30527-0/fulltext)

RELATED

Similarities and Differences between Flu and COVID-19

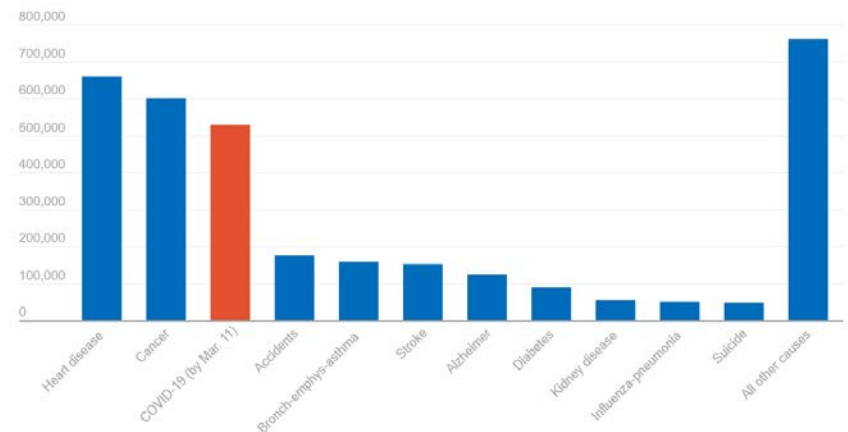
<https://www.cdc.gov/flu/symptoms/flu-vs-covid19.htm>

RELATED

One Year In: How Covid's Toll Compares With Other Causes of Death

<https://khn.org/news/article/pandemic-first-year-how-covid-toll-compares-with-other-causes-of-death/>

U.S. deaths from COVID-19 so far, compared to top 10 U.S. causes of death in 2019



"All other causes" includes liver disease/cirrhosis, bloodstream infections, hypertension, Parkinson's disease, and non-infectious lung inflammation, among other illnesses.

Sources: Centers for Disease Control and Prevention, Johns Hopkins University



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
41,593,179
+155,882 New Cases

7 DAY CASE RATE PER 100,000
308.2

TOTAL DEATHS
666,440
+1,942 New Deaths

CDC | Data as of: September 16, 2021 4:54 PM ET. Posted: September 16, 2021 8:14 PM ET

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

COVID-19 Vaccinations in the United States

Total Vaccine Doses

Delivered **462,384,885**
Administered **383,038,403**

Learn more about the [distribution of vaccines](#).

180.1M
People fully vaccinated

1.98M
People received an additional dose since August 13th, 2021

People Vaccinated

	At Least One Dose	Fully Vaccinated
Total	210,700,361	180,086,143
% of Total Population	63.5%	54.2%
Population ≥ 12 Years of Age	210,470,237	179,953,502
% of Population ≥ 12 Years of Age	74.2%	63.5%
Population ≥ 18 Years of Age	196,503,290	168,802,001
% of Population ≥ 18 Years of Age	76.1%	65.4%
Population ≥ 65 Years of Age	50,849,567	45,210,512
% of Population ≥ 65 Years of Age	93%	82.7%

About these data

CDC | Data as of: September 16, 2021 6:00am ET. Posted: Thursday, September 16, 2021 8:14 PM ET

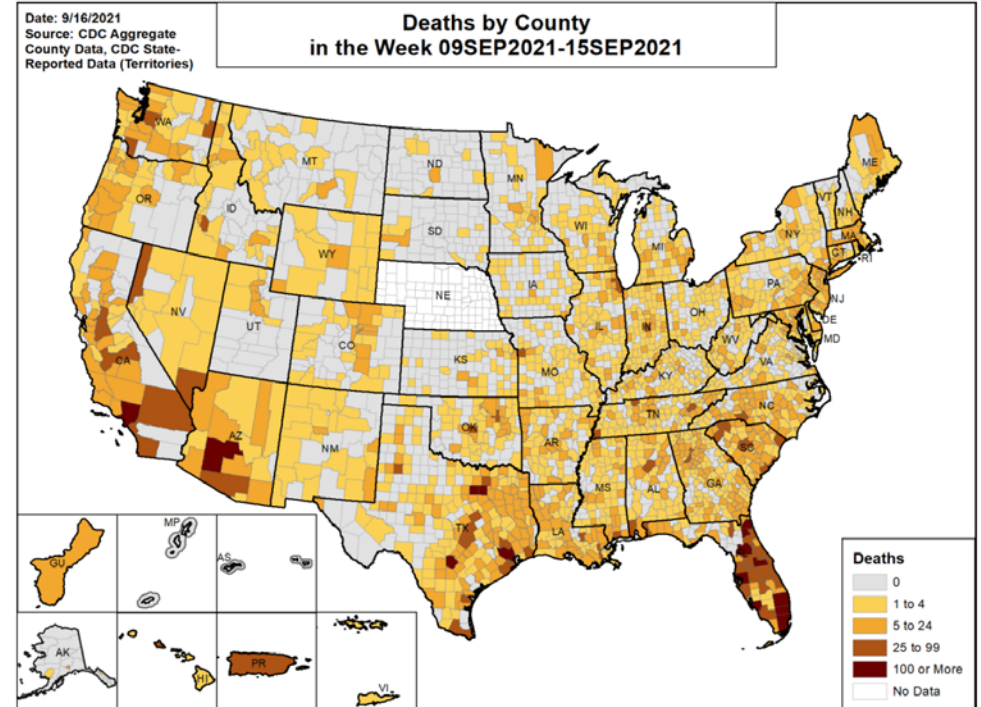
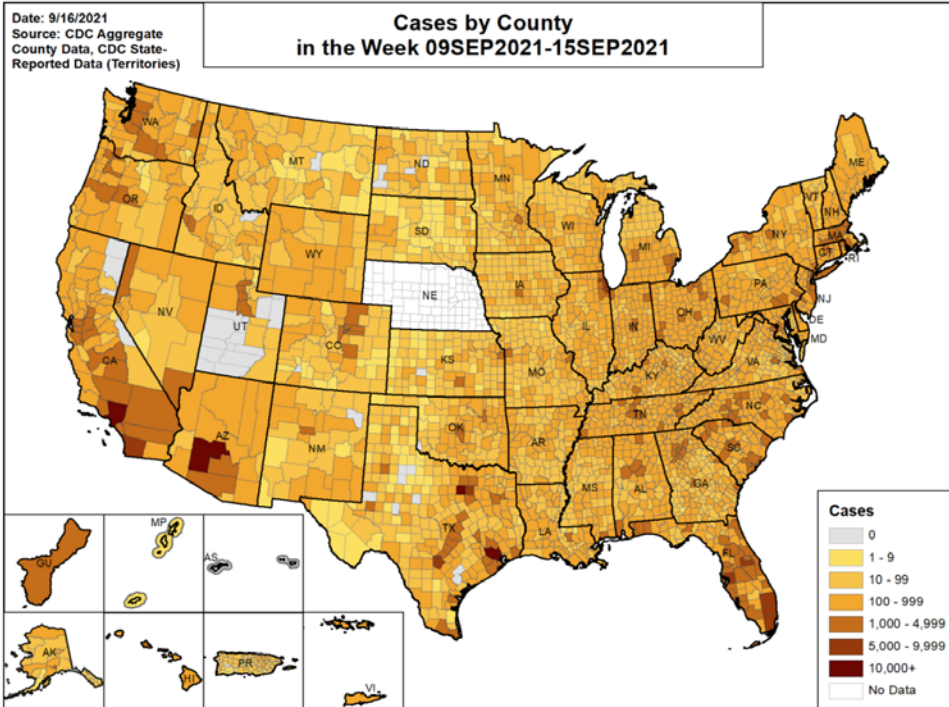
COVID-19 Community Profile Report 09-16-2021

<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: 41,593,179
New Cases in Last 7 Days: 1,023,277
Percent Change from Previous 7 Days: +6.1%

Total Cumulative Deaths: 666,440
New Deaths in Last 7 Days: 10,133
Percent Change from Previous 7 Days: +17.4%



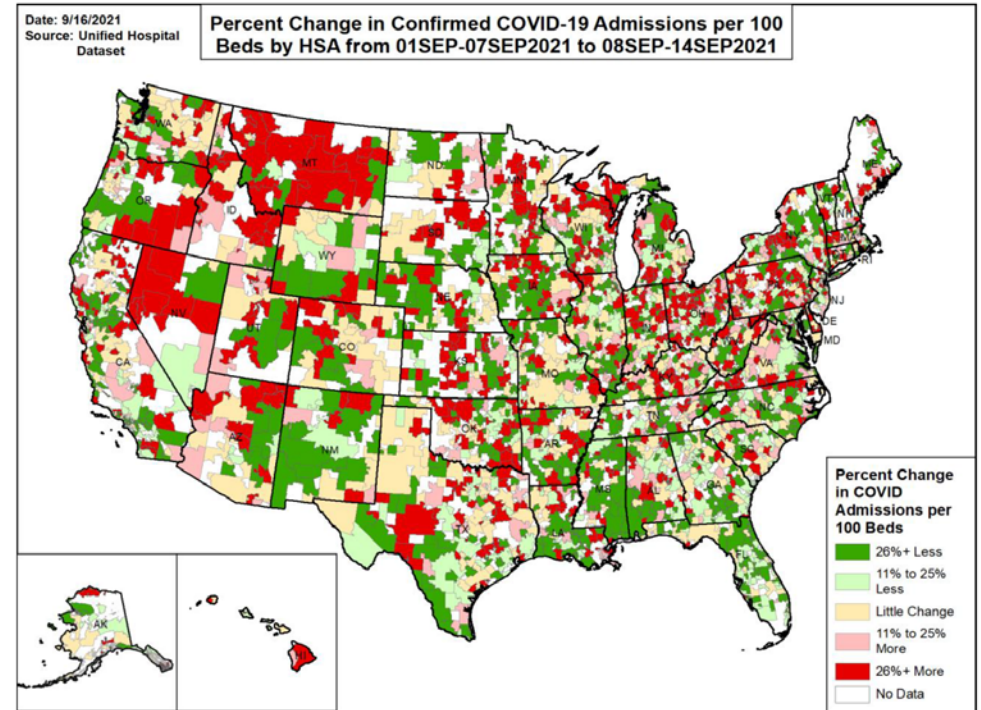
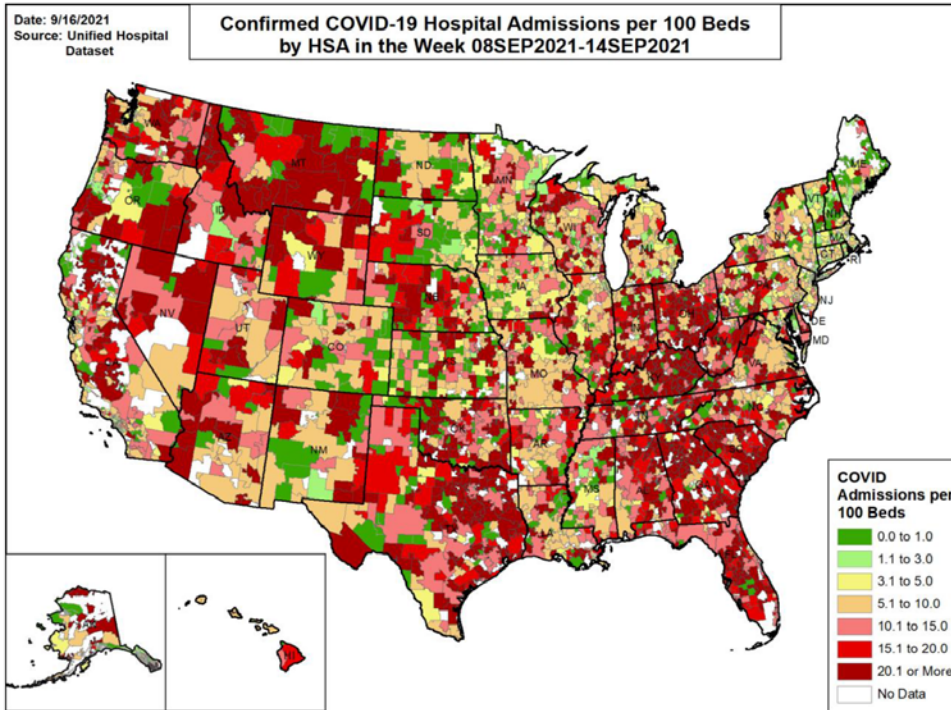
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HOSPITAL ADMISSIONS IN THE LAST 7 DAYS AND COMPARISON TO THE PREVIOUS 7 DAYS

Total Confirmed COVID-19 Hospital Admissions in Last 7 Days:
78,152

Percent Change from Previous 7 Days: -5.7%



Source: Unified Hospital Dataset, excluding psychiatric, rehabilitation, and religious non-medical hospitals. Confirmed COVID-19 admissions are all confirmed daily admissions reported within the last 7 days. Denominator of per 100 beds calculation is the sum of average staffed inpatient bed count reported by hospitals within the geographic region and 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.

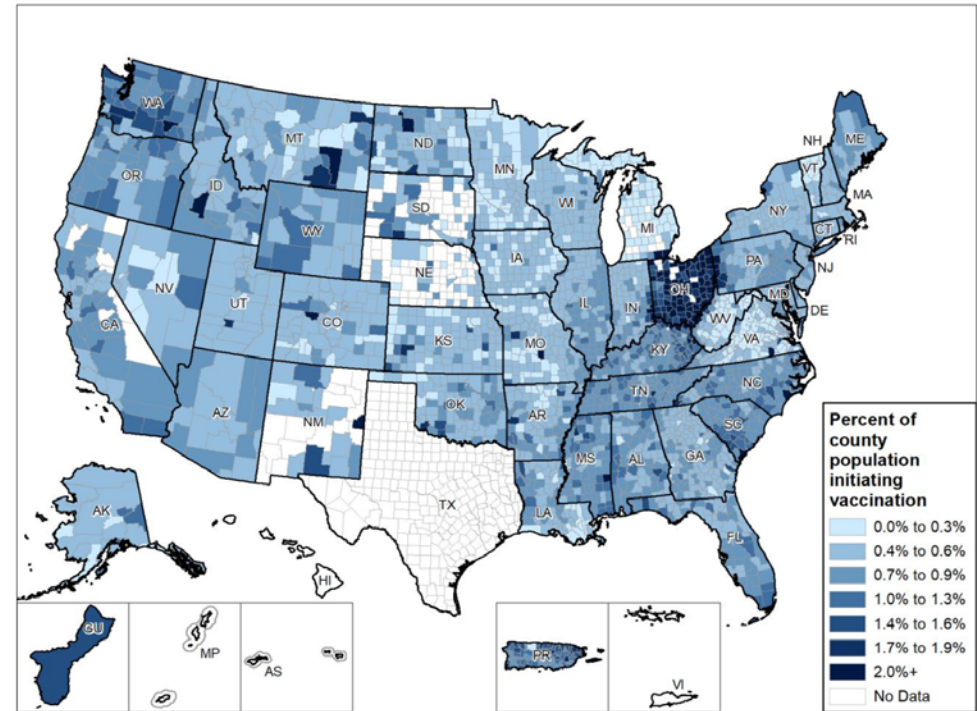
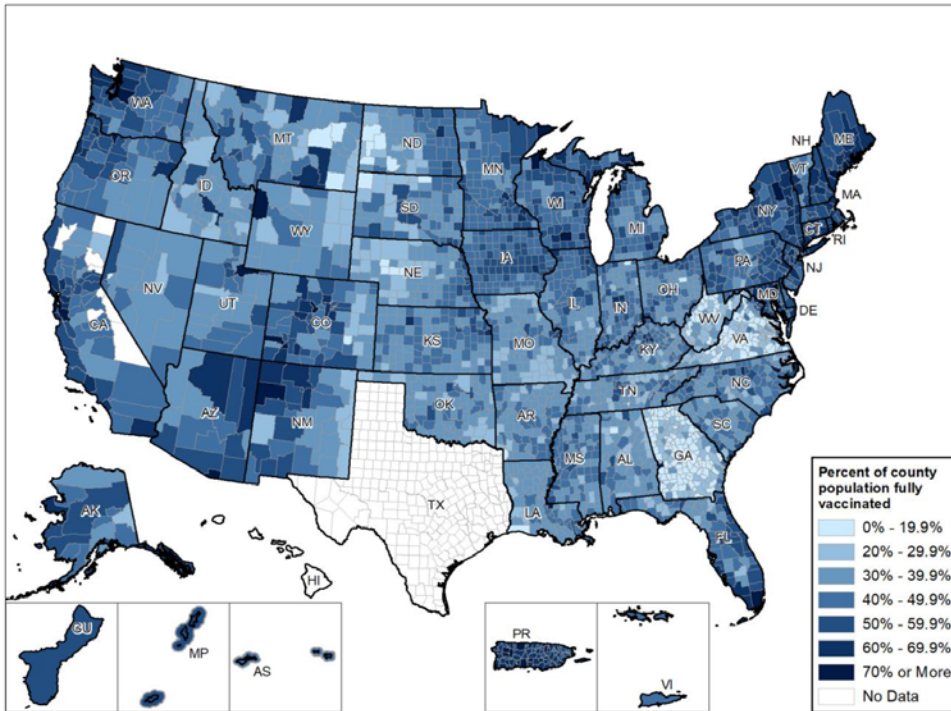
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VACCINATION RATES BY COUNTY

Percent of Population Fully Vaccinated: 54.2%
Percent of Population with at Least 1 Dose: 63.5%

Percent of Population Initiating Vaccination in the Last Week: 0.7%



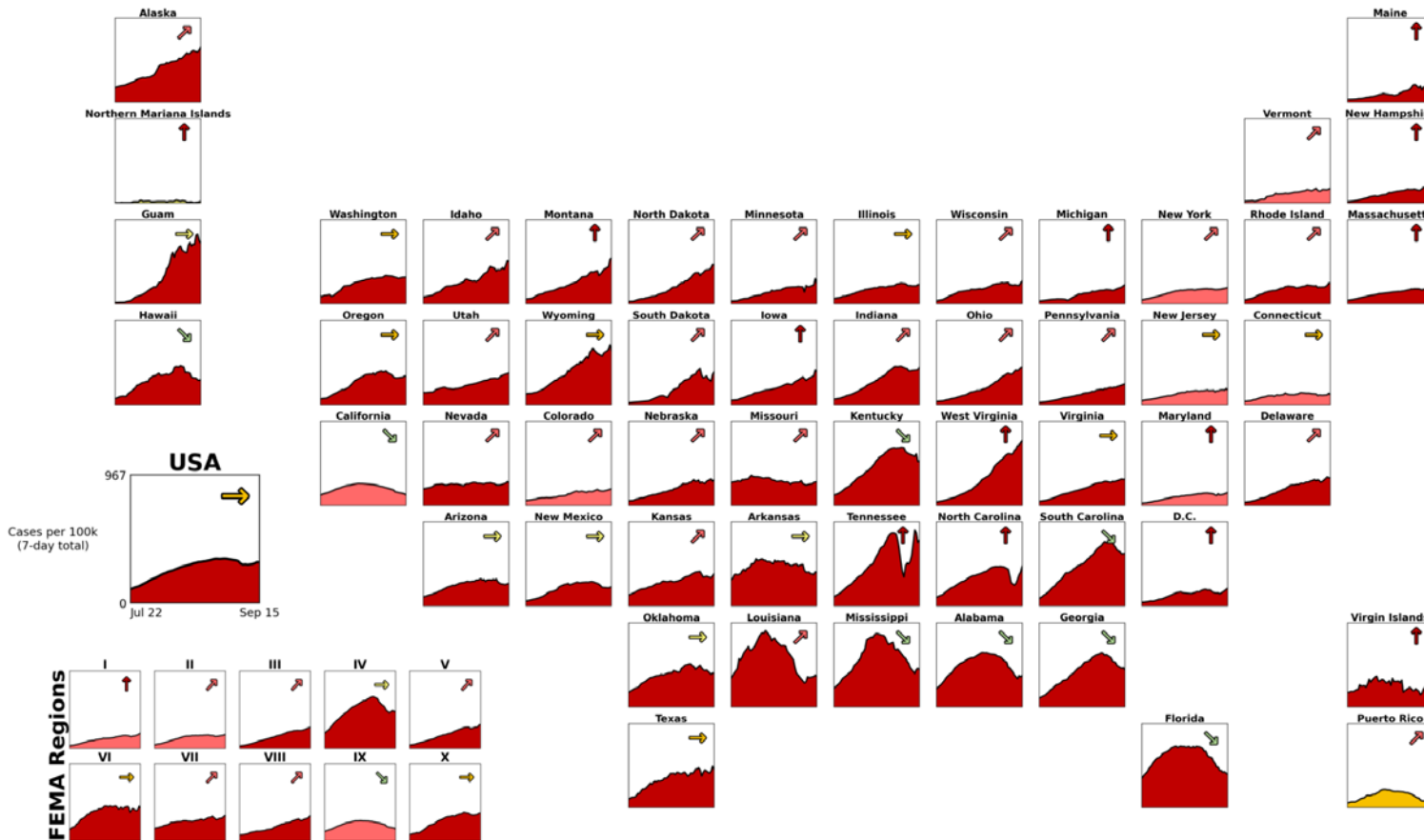
Source: Unified COVID-19 Vaccine Dataset. Fully vaccinated indicates those who received the second dose of Pfizer-BioNTech or Moderna vaccines and those who received one dose of J&J/Janssen COVID-19 vaccine. Initiating vaccination indicates those who have received the first dose of the Pfizer-BioNTech 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 (59%), GA (56%), VA (51%), FM (0%), AS (0%), TX (0%), PW (0%), MH (0%), HI (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 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)

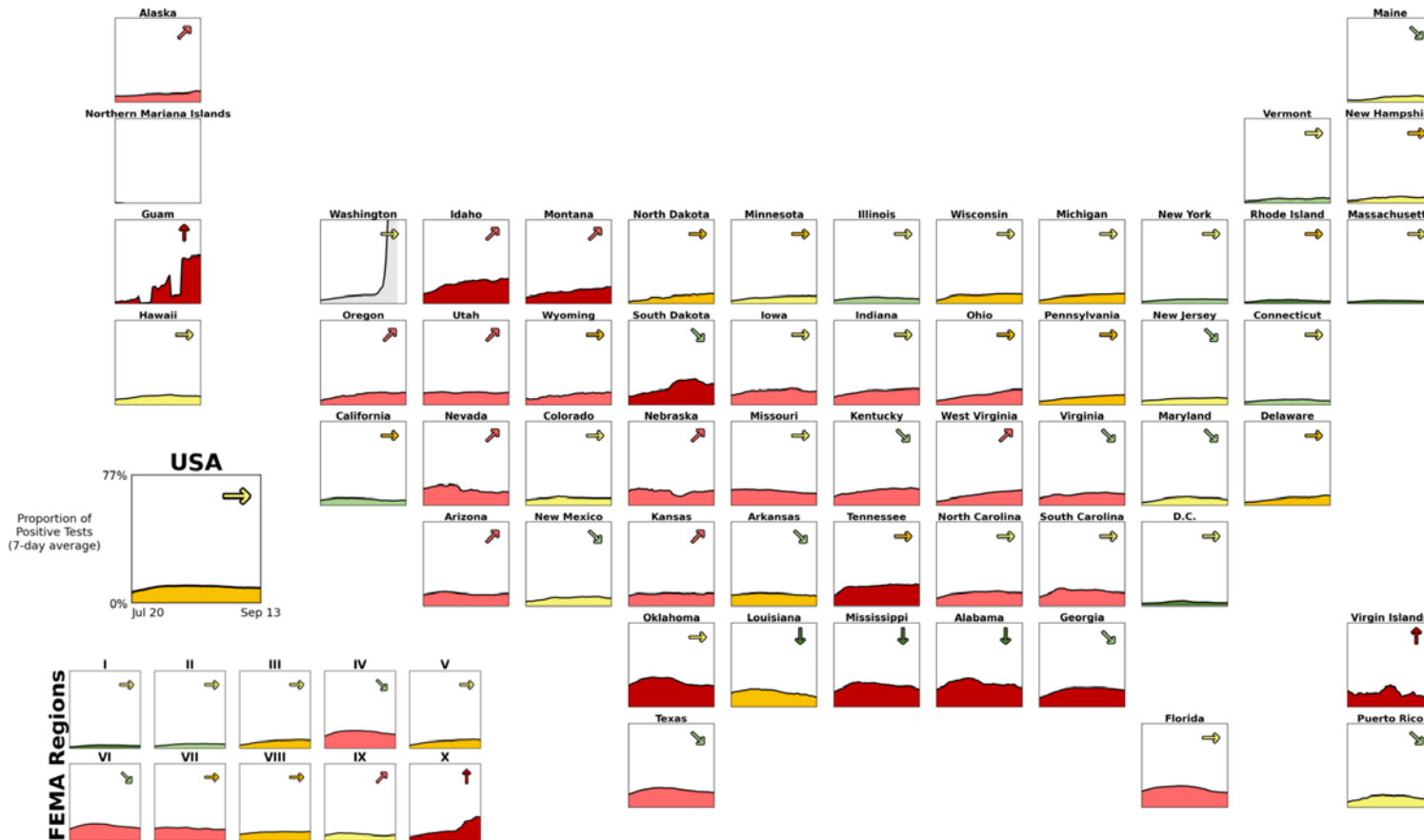


Source: CDC state-reported data. See Data Sources/Methods slides for additional details.

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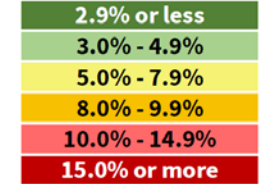


TRENDS IN NAAT POSITIVITY DURING THE LAST 8 WEEKS



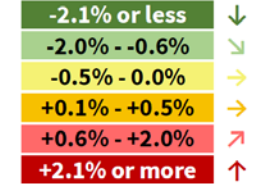
NAAT positivity categories

(based on proportion of positive tests over the last 7 days)



Weekly absolute change categories

(arrow based on absolute change in weekly NAAT positivity)



Most recent dates may be less reliable due to delayed reporting. States in gray have limited or no reporting in most recent week.

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

Washington state testing data have at least 6 days with no or minimal reporting in the last week (by the data cutoff time for this report), which may result in missing values and inaccurate test positivity. Washington state data in the most recent week contain limited reporting of negative tests, making the calculated test positivity higher than expected.

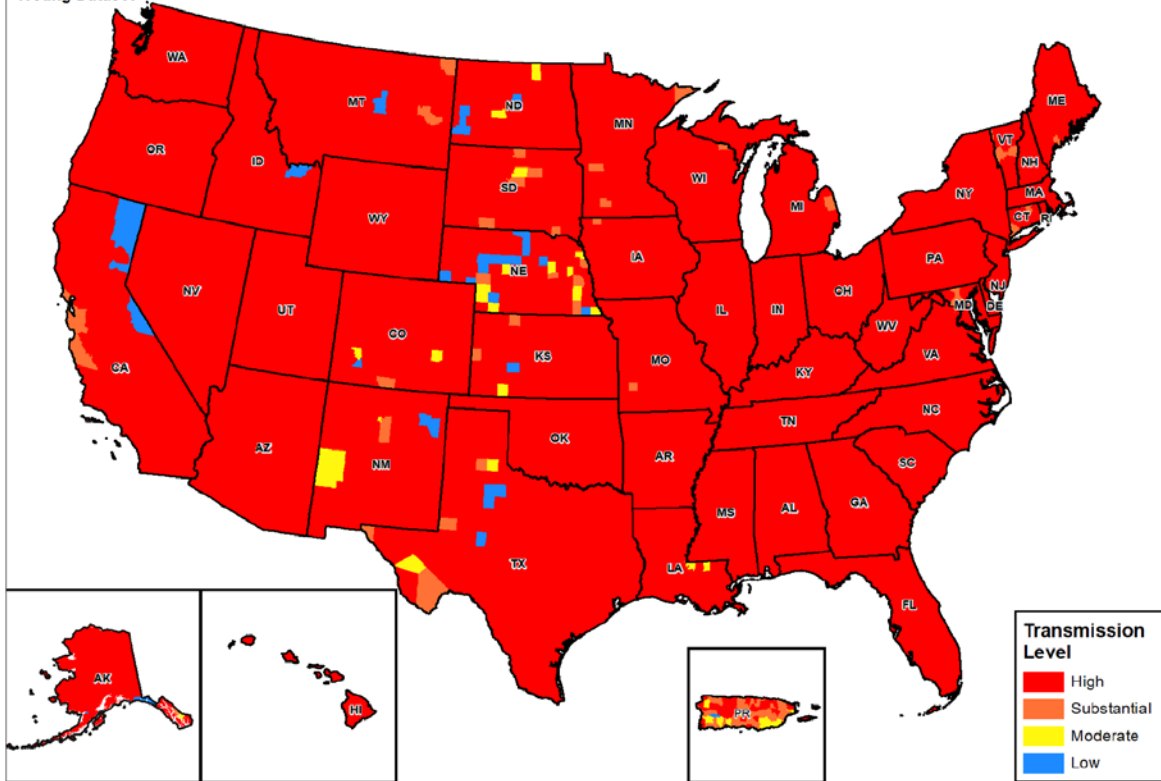
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COMMUNITY TRANSMISSION LEVEL

Date: 9/16/2021
 Source: CDC Aggregate
 County Data, Unified
 Testing Dataset

Community Transmission Level by County 15SEP2021



Transmission Level
 High (Red)
 Substantial (Orange)
 Moderate (Yellow)
 Low (Blue)

Source: CDC Aggregate County Dataset (cases), Unified Testing Dataset (tests)

Notes: Cases data from September 9-15, test positivity data from September 7-13. Combined Transmission Level is the higher threshold among cases and testing thresholds. See Data Sources/Methods slides for additional details. As of May 26, 2021, Nebraska stopped reporting county-level case data. Since June 30, the Nebraska County-level community transmission indicator is only based on NAAT positivity.

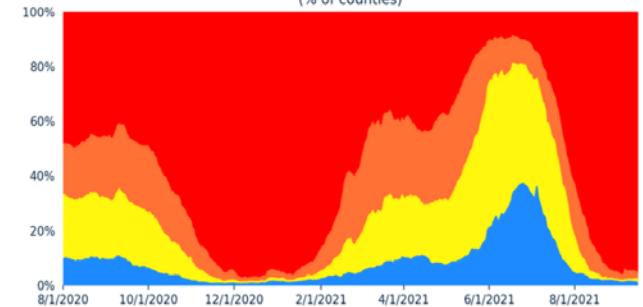
Counties by Community Transmission Indicator

Cases per 100k	0 to 9	10 to 49	50 to 99	100 +
# of counties (change)	133 (↓6)	40 (↑14)	92 (↓34)	2955 (↑26)
% of counties (change)	4.1% (↓0.2%)	1.2% (↑0.4%)	2.9% (↓1.1%)	91.8% (↑0.8%)
Test Positivity	0.0% to 4.9%	5.0% to 7.9%	8.0% to 9.9%	10.0% +
# of counties (change)	344 (↑6)	427 (↑23)	310 (↑22)	2139 (↓51)
% of counties (change)	10.7% (↑0.2%)	13.3% (↑0.7%)	9.6% (↑0.7%)	66.4% (↓1.6%)

Counties by Combined Transmission Level

Category	Low Transmission Blue	Moderate Transmission Yellow	Substantial Transmission Orange	High Transmission Red
# of counties (change)	32 (↓7)	37 (↑14)	84 (↓16)	3067 (↑9)
% of counties (change)	1.0% (↓0.2%)	1.1% (↑0.4%)	2.6% (↓0.5%)	95.2% (↑0.3%)
% of population (change)	0.0% (↓0.1%)	0.2% (↑0.1%)	3.5% (↓1.3%)	96.2% (↑1.3%)

Combined Transmission Levels Over Time
 (% of counties)



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COVID-19 Integrated County View

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

COVID-19 By the Numbers as of 09-13-2021













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

COVID-19 RESPONSE BY THE NUMBERS

As of September 13, 2021



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

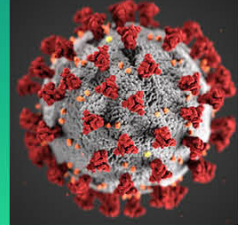
	9,645	CDC personnel supporting the outbreak response		48.5+ million	Times people have used CDC's online Coronavirus Self-Checker
	1,804	CDC deployers who have conducted 3,973 deployments to 336 cities across the United States and abroad		1.3+ million	Calls and emails to CDC-INFO
	339	COVID-19 studies published in CDC's Morbidity and Mortality Weekly Report (MMWR)		3.2+ billion	Times people have looked for information on CDC websites
	8,182	Documents providing information and guidance for government agencies, businesses, and the public		4.1+ billion	Social media impressions on 16,114 CDC response-related posts
	545+ million	COVID-19 tests conducted by public and private laboratories in the United States		84,000+	Inquiries from doctors, nurses, or other clinical staff and health departments received by CDC
	209+ million	People who have received at least one dose of a COVID-19 vaccine		178+ million	People who have been fully vaccinated with a COVID-19 vaccine

[cdc.gov/coronavirus](https://www.cdc.gov/coronavirus)

CS31665-A

COVID-19 Science Update

COVID-19 Science Update



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

[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](#)

[COVID-19 Science Update released: June 18, 2021 Edition 94](#)

[COVID-19 Science Update released: June 11, 2021 Edition 93](#)

[COVID-19 Science Update released: June 4, 2021 Edition 92](#)

[COVID-19 Science Update released: May 28, 2021 Edition 91](#)

[COVID-19 Science Update released: May 21, 2021 Edition 90](#)

CDC What's New & Updated

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

- 9/17/21 [EARLY RELEASE: Comparative Effectiveness of Moderna, Pfizer-BioNTech, and Janssen \(Johnson & Johnson\) Vaccines in Preventing COVID-19 Hospitalizations Among Adults Without Immunocompromising Conditions — United States, March–August 2021](#)
- 9/17/21 [CDC to Invest \\$2.1 Billion to Protect Patients and Healthcare Workers from COVID-19 and Future Infectious Diseases](#)
- 9/17/21 [COVID Data Tracker Recent Updates - 2021-09-16 - Crosslinks to CDC Vaccination Effectiveness Research webpage have been added to multiple tabs across the site](#)
- 9/17/21 [COVID Data Tracker Recent Updates - 2021-09-16 - New bivariate map on the Vaccination Equity tab displays vaccination coverage by metro/non-metro status, by county](#)
- 9/17/21 [COVID Data Tracker Recent Updates - 2021-09-16 - The Vaccination Among Pregnant People tab now shows the percent of people fully vaccinated prior to and during pregnancy, over time and by race/ethnicity](#)
- 9/16/21 [Staffing Resources](#)
- 9/16/21 [Toolkit for Pregnant People and New Parents](#)
- 9/16/21 [What to Expect at Your Appointment to Get Vaccinated for COVID-19](#)
- 9/16/21 [Healthcare Facilities That Have Implemented COVID-19 Electronic Case Reporting](#)
- 9/16/21 [COVID Data Tracker Weekly Review](#)
- 9/16/21 [Cases in the U.S.](#)
- 9/16/21 [New COVID-19 Cases and Hospitalizations Among Adults, by Vaccination Status — New York, May 3–July 25, 2021](#)
- 9/16/21 [Correction and Republication: New COVID-19 Cases and Hospitalizations Among Adults, by Vaccination Status — New York, May 3–July 25, 2021](#)
- 9/16/21 [Longitudinal Trends in Body Mass Index Before and During the COVID-19 Pandemic Among Persons Aged 2–19 Years — United States, 2018–2020](#)
- 9/16/21 [Post-Acute Sequelae of SARS-CoV-2 Infection Among Adults Aged ≥18 Years — Long Beach, California, April 1–December 10, 2020](#)
- 9/16/21 [Disaggregating Data to Measure Racial Disparities in COVID-19 Outcomes and Guide Community Response — Hawaii, March 1, 2020–February 28, 2021](#)
- 9/16/21 [Effectiveness of COVID-19 mRNA Vaccines Against COVID-19–Associated Hospitalization — Five Veterans Affairs Medical Centers, United States, February 1–August 6, 2021](#)
- 9/16/21 [Interim Estimates of COVID-19 Vaccine Effectiveness Against COVID-19–Associated Emergency Department or Urgent Care Clinic Encounters and Hospitalizations Among Adults During SARS-CoV-2 B.1.617.2 \(Delta\) Variant Predominance — Nine States, June–August 2021](#)
- 9/16/21 [Monitoring Incidence of COVID-19 Cases, Hospitalizations, and Deaths, by Vaccination Status — 13 U.S. Jurisdictions, April 4–July 17, 2021](#)
- 9/16/21 [Overall US COVID-19 Vaccine Distribution and Administration Update as of Thu, 16 Sep 2021 06:00:00 EST](#)
- 9/15/21 [When You've Been Fully Vaccinated](#)
- 9/15/21 [Long-Term Effects of COVID-19](#)
- 9/15/21 [COVID-19 Contact Tracing](#)

CDC Guidance

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

[Strategies for Optimizing the Supply of N95 Respirators](#)

Learn how to optimize the supply of N95 respirators, based on conventional capacity, contingency capacity, or crisis capacity during COVID-19. Date: 9/15/21

[Ending Isolation and Precautions for People with COVID-19: Interim Guidance](#)

Healthcare professionals, find information and recommendations for ending isolation and precautions when caring for people with laboratory-confirmed COVID-19, including children and adults, people who are severely ill, and people who are infected but never develop symptoms. Evidence supports ending isolation and precautions for people with COVID-19 using a symptom-based strategy. Date: 9/13/21

[Strategies for Optimizing the Supply of Eye Protection](#)

Learn how to optimize eye protection for doctors during COVID-19, including guidance on safely reusing safety goggles, glasses, and face shields. Date: 9/12/21

[Using Antibody Tests for COVID-19](#)

CDC has developed interim guidance for how healthcare providers, laboratories, and public health staff should use antibody tests. This guidance also has advice useful for people taking antibody tests, employers, healthcare workers, and people operating group residential facilities. Date: 9/9/21

[Interim Infection Prevention and Control Recommendations for Healthcare Personnel During the Coronavirus Disease 2019 \(COVID-19\) Pandemic](#)

Use this guidance to prevent infection among patients suspected to have COVID-19 in healthcare settings. Date: 9/9/21

[Interim Infection Prevention and Control Recommendations to Prevent SARS-CoV-2 Spread in Nursing Homes](#)

Learn how to prepare and respond to COVID-19 in nursing home and long-term care facilities. Date: 9/9/21

[Interim Guidance for Managing Healthcare Personnel with SARS-CoV-2 Infection or Exposure to SARS-CoV-2](#)

Find CDC's guidance on assessing, monitoring, and restricting risk for those who work in healthcare facilities during COVID-19. Date: 9/9/21

[Interim Guidance for Antigen Testing for SARS-CoV-2](#)

Proper interpretation of antigen test results is important for accurate clinical management of patients with suspected COVID-19. This guidance can help healthcare providers make the most effective use of antigen tests in different situations. Date: 9/8/21

[Considérations opérationnelles pour la prévention et le contrôle des infections dans les établissements de soins en dehors des États-Unis](#)

Infection prevention and control information for non-US healthcare settings and non-US national government officials working on COVID-19 response. Date: 9/7/21

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 industry 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>



Statewide

23,346,243 (68.8%) *People fully vaccinated*
2,852,064 (8.4%) *People partially vaccinated*



48,285,152 (86.0%) *Doses administered*
74,520 *Average doses per day*



5,771,009 *Doses on hand*
(77 days of inventory)



56,154,275 *Doses Delivered*
19,255,800 *CDC Pharmacy Doses Delivered*

See [Data Dictionary](#) for Details.

Doses Administered by County of Residence

County

(All) ▼



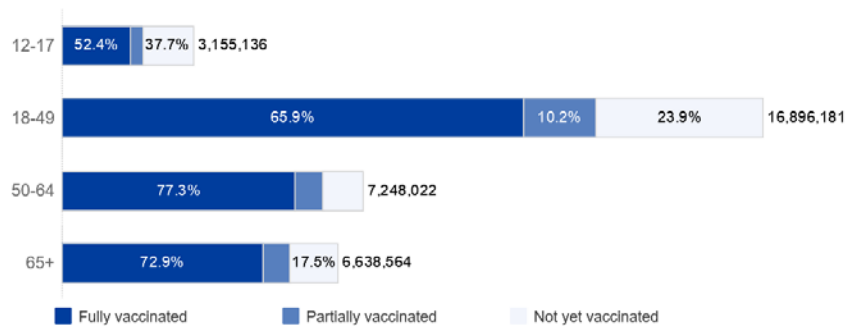
Los Angeles	12,416,854
San Diego	4,347,429
Orange	4,011,504
Santa Clara	2,859,483
Riverside	2,493,347
Alameda	2,301,655
San Bernardino	2,073,584
Sacramento	1,761,361
Contra Costa	1,627,154
San Francisco	1,306,273
San Mateo	1,120,264
Ventura	1,057,373
Fresno	1,002,888
San Joaquin	780,545
Kern	765,931
Sonoma	680,939
Santa Barbara	533,183
Stanislaus	531,119
Monterey	524,276
Solano	515,148

Data: 9/16/2021 11:59pm | Posted: 9/17/2021

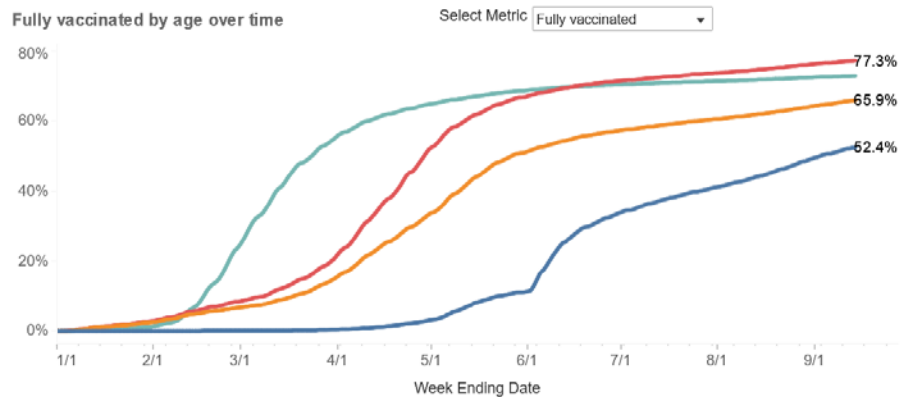
Vaccinated Status by Group

Select Category: Age
 Select County: Statewide

Vaccination progress by age



Fully vaccinated by age over time



Note: Unknown age represents fewer than 0.01% of records and are therefore omitted. Where the county of residence was not reported the county where vaccinated is used. Data is not shown where there are fewer than 11 records in a group.

Legend: 12-17 (Blue), 18-49 (Orange), 50-64 (Red), 65+ (Green)

Post-Vaccine COVID-19 Cases

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

What Is the Current Data on Post-Vaccination Cases in California?

For the week of August 29-September 4, 2021, the average daily COVID-19 case rate among unvaccinated Californians age 16 or older is 71.03 per 100,000 and the average daily COVID-19 case rate among fully vaccinated Californians age 16 or older is much lower at 8.9 per 100,000.

Between January 01, 2021 & September 12, 2021 in California

- Out of over 23.1 million fully vaccinated individuals, 144,957 post-vaccination cases (0.6%) have been identified.
- At least 3,751 individuals identified as post-vaccination COVID-19 cases were hospitalized. However, it is important to note that approximately 65% of cases have missing hospitalization data. It is also important to note that a post-vaccine case may have been hospitalized for a condition unrelated to COVID-19 reason but were tested for COVID-19 upon admission.
- Among post-vaccination cases identified, at least 500 people have died. However, it is unknown if the primary cause of death in these cases was COVID-19 or if there were other contributory or alternate causes.



Riverside County Data

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

Total Tests 3,971,873	Confirmed 347,852	Currently Hospitalized 483 Includes 127 in ICU	Deaths 4,890	Recovered 336,842
Case Rate / 100k 25.4 (7-Day Avg & 7-Day Lag)	Positivity 7.7% (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:

- 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](#)
- [Fact Sheet for Recipients and Caregivers Emergency Use Authorization \(EUA\) of the Pfizer-Biontech Covid-19 Vaccine to Prevent Coronavirus Disease 2019 \(Covid-19\) in Individuals 12 Years of Age and Older – August 23, 2021](#)
- [Moderna covid Vaccine Updated Emergency Use Authorization \(EUA\) for Providers and Recipients – August 18, 2021](#)
- [Fact Sheet for Healthcare Providers Administering Vaccine \(Vaccination Providers\) Emergency Use Authorization \(EUA\) of the Moderna Covid-19 Vaccine to Prevent Coronavirus Disease 2019 \(Covid-19\) – August 18, 2021](#)
- [Fact Sheet for Recipients and Caregivers Emergency Use Authorization \(EUA\) of the Moderna Covid-19 Vaccine to Prevent Coronavirus Disease 2019 \(Covid-19\) in Individuals 18 Years of Age and Older – August 18, 2021](#)
- [Pfizer Covid Vaccine Updated EUA – August 18, 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 18, 2021](#)

RIVERSIDE COUNTY DAILY COVID-19 REPORT

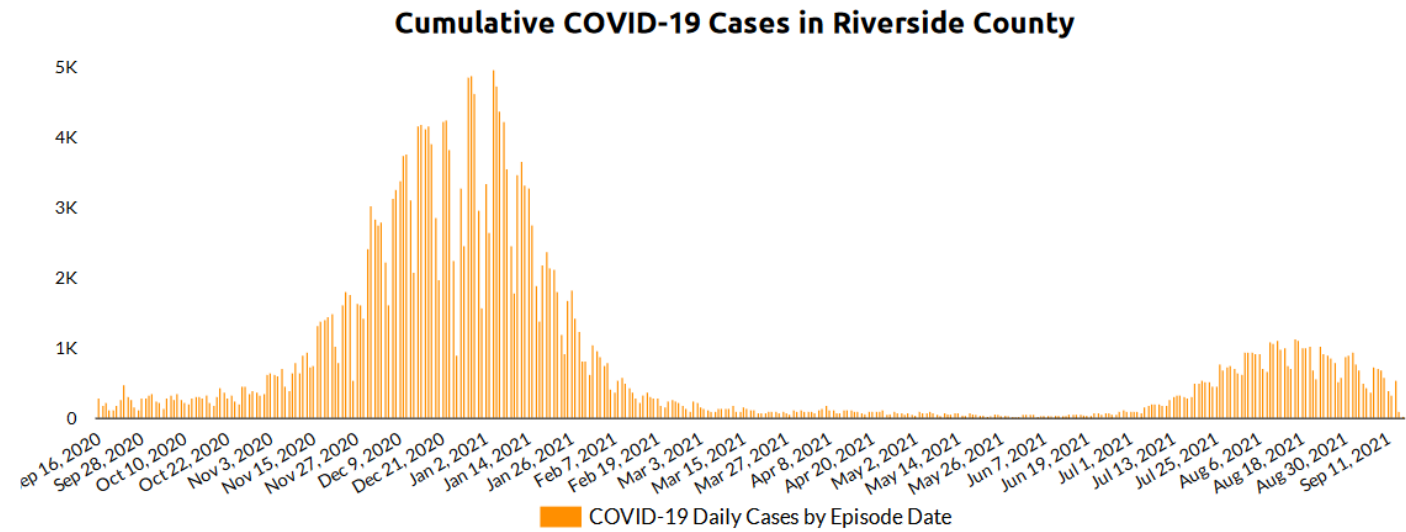
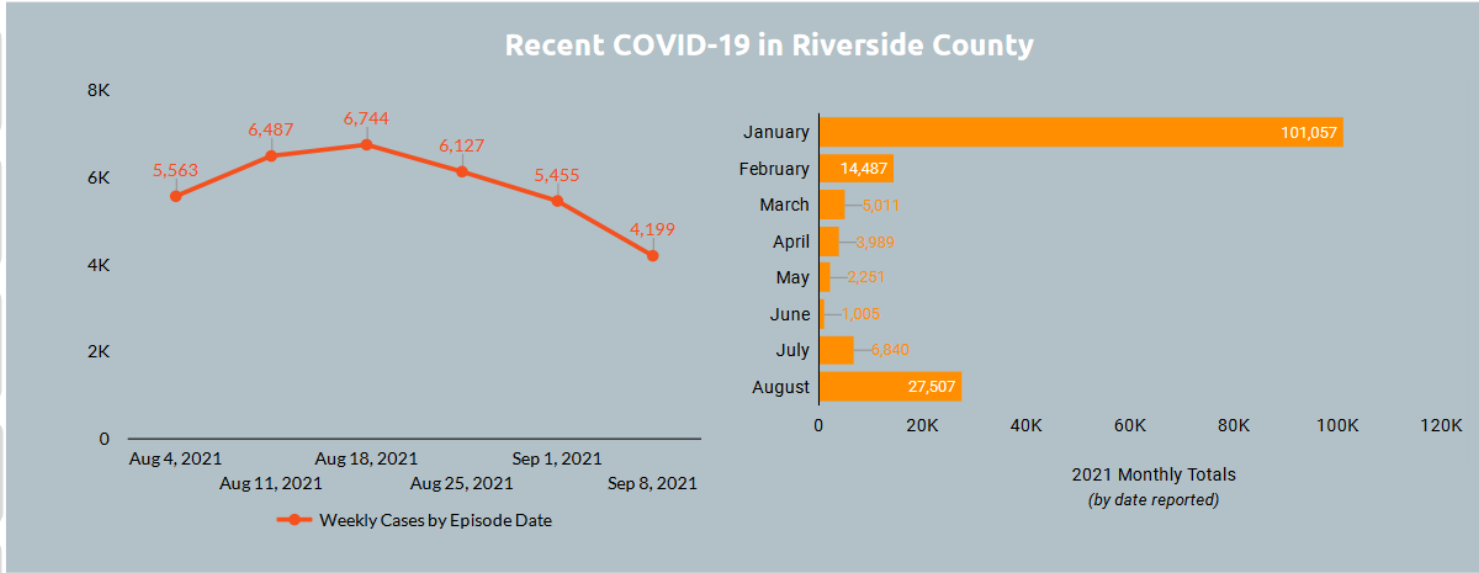
https://www.rivcoph.org/Portals/0/Documents/CoronaVirus/September2021/Dashboard/DailyEpidemiologySummary_09162021.pdf?ver=2021-09-16-130730-323×tamp=1631822859389



Sep 16, 2021

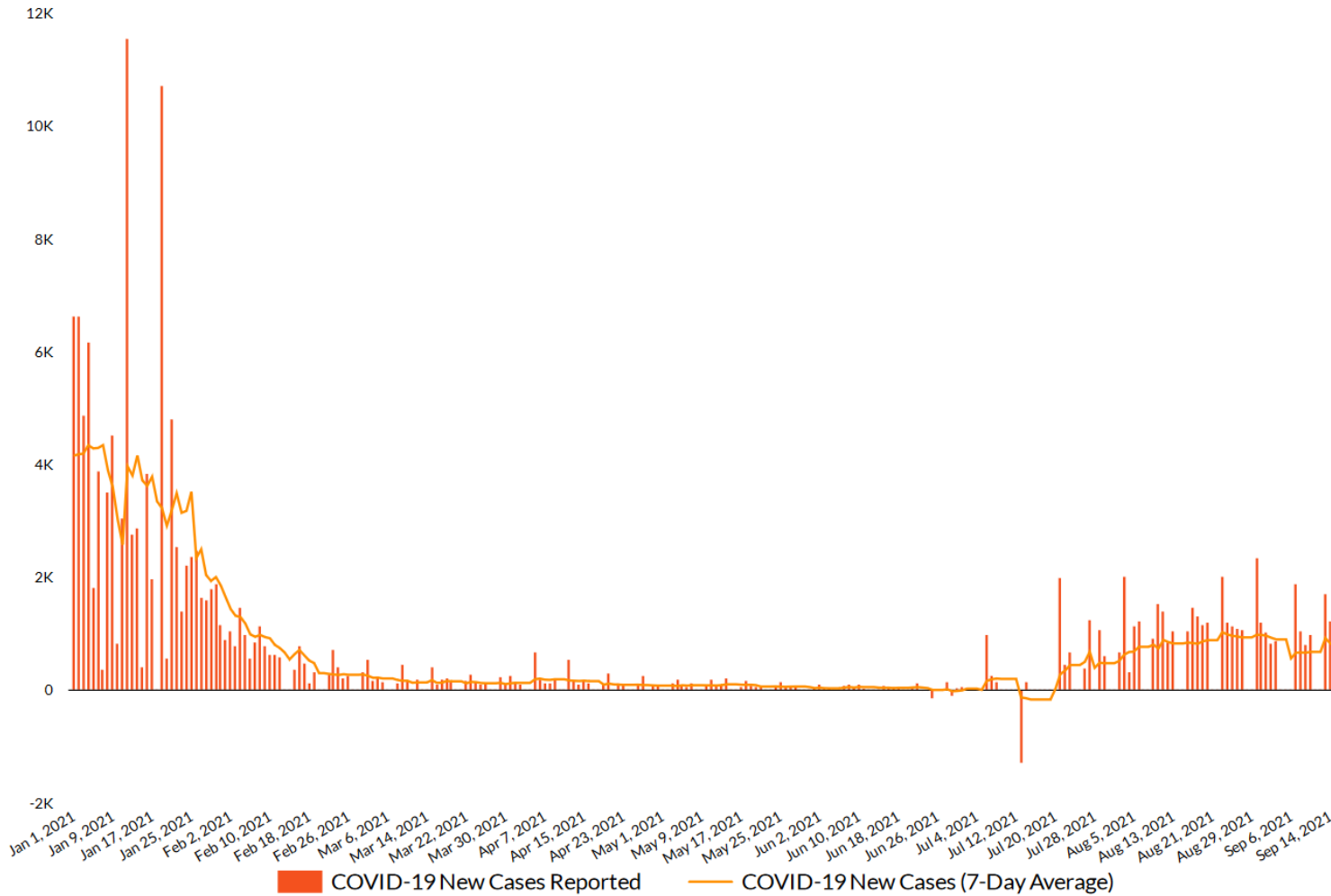
RIVERSIDE COUNTY COVID-19 CASES

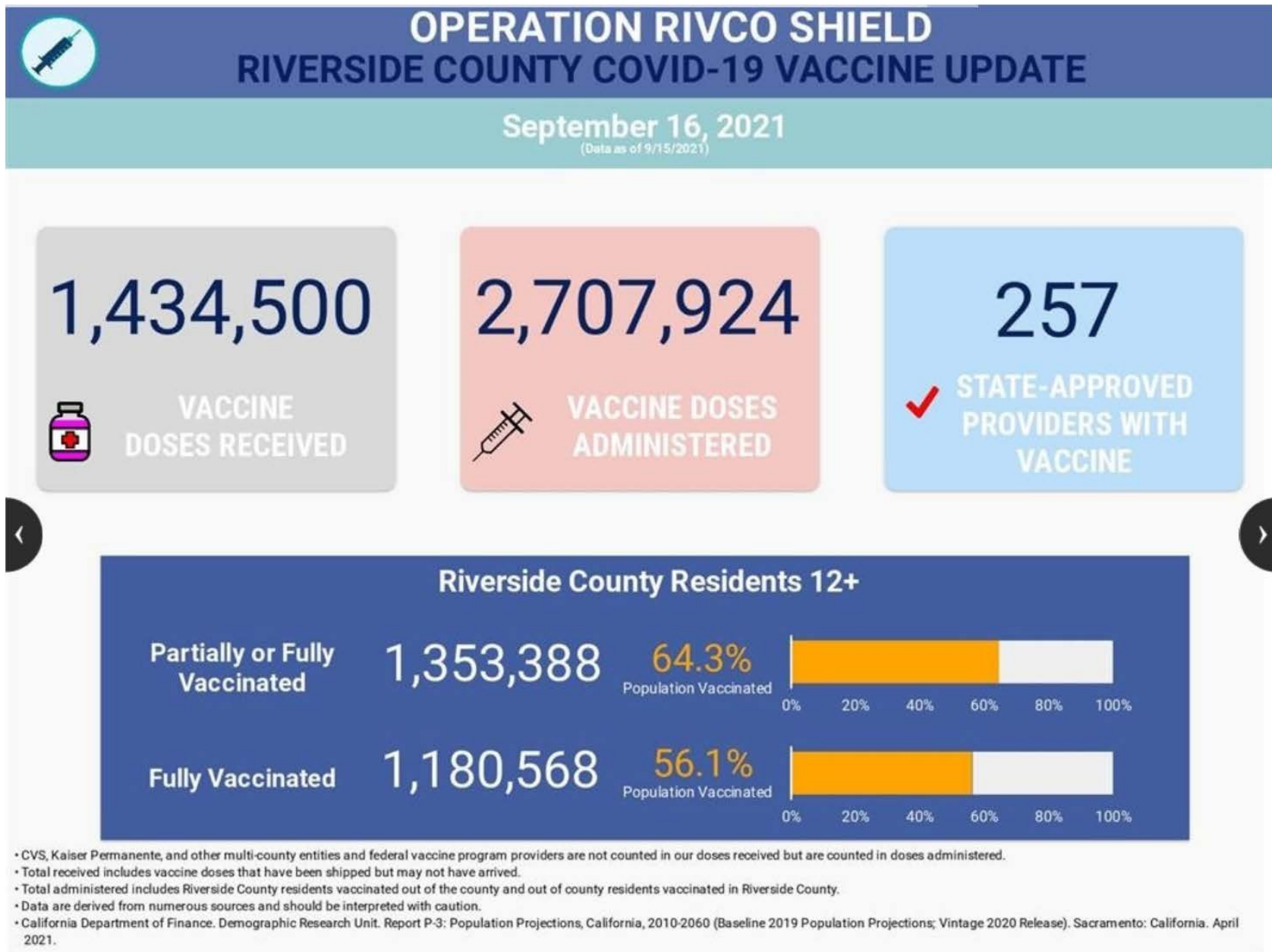
- TOTAL CASES**
347,852
- NEW REPORTED CASES**
669
- TOTAL DEATHS**
4,890
- NEW DEATHS**
18
- TOTAL RECOVERED**
336,842
- PROBABLE CASES***
15,058
- CURRENT HOSPITALIZED (includes ICU)**
483
- CURRENT ICU**
127
- DOUBLING TIME**
262.0




Sep 16, 2021

RIVERSIDE COUNTY NEW REPORTED COVID-19 CASES IN 2021 DAILY REPORT





Weather

 National Weather Service San Diego, California		<h2 style="text-align: center;">Weather Risk Outlook</h2> <div style="text-align: center; border: 1px solid black; padding: 2px;">1 PM Thursday Sep 16, 2021</div>						
County	Zone	Thu 9/16	Fri 9/17	Sat 9/18	Sun 9/19	Mon 9/20	Tue 9/21	Wed 9/22
San Diego	Beach/Marine	None	None	None	None	None	None	None
	Coast	None	None	None	None	None	None	None
	Valleys	Fire Weather	Fire Weather	Fire Weather	Fire Weather	Fire Weather	Fire Weather	Fire Weather
	Mountains	Fire Weather	Fire Weather	Fire Weather	Fire Weather	Fire Weather	Fire Weather	Fire Weather
	Deserts	Fire Weather	Fire Weather	Fire Weather	Fire Weather	Fire Weather	Fire Weather	Fire Weather
Orange	Beach	Elevated Surf	None	None	None	None	None	None
	Coast	None	None	None	None	None	None	None
	Inland	Fire Weather	Fire Weather	Fire Weather	Fire Weather	Fire Weather	Fire Weather	Fire Weather
	Mountains	Fire Weather	Fire Weather	Fire Weather	Fire Weather	Fire Weather	Fire Weather	Fire Weather
Riverside	Inland Empire	Fire Weather	Fire Weather	Fire Weather	Fire Weather	Fire Weather	Fire Weather	Fire Weather
	Mountains	Fire Weather	Fire Weather	Fire Weather	Fire Weather	Fire Weather	Fire Weather	Fire Weather
	Desert	Fire Weather	Fire Weather	Fire Weather	Fire Weather	Fire Weather	Fire Weather	Fire Weather
San Bernardino	Inland Empire	Fire Weather	Fire Weather	Fire Weather	Fire Weather	Fire Weather	Fire Weather	Fire Weather
	Mountains	Fire Weather	Fire Weather	Fire Weather	Fire Weather	Fire Weather	Fire Weather	Fire Weather
	Desert	Fire Weather	Fire Weather	Fire Weather	Fire Weather	Fire Weather	Fire Weather	Fire Weather

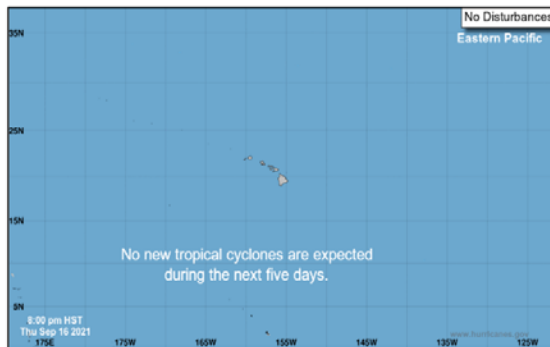
Impact Threat Levels
 None
 Minor
 Moderate
 High
 Extreme

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

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

Tropical Outlook – Five Day

Central Pacific



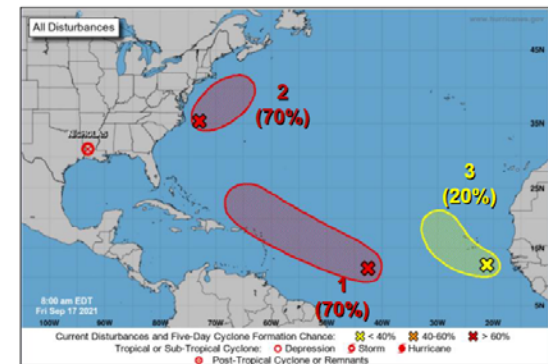
- No new tropical cyclones expected during the next five days

Eastern Pacific



- No new tropical cyclones expected during the next five days

Atlantic



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

- Located midway between the Lesser Antilles and Cabo Verde Islands
- Tropical depression is likely to form over the weekend or early next week
- Formation chance: 48 hours: Medium (60%); 5 days: High (70%)

Disturbance 2 (as of 8:00 a.m. ET)

- 150 miles E of the Cape Hatteras, NC
- Likely to become a short-lived tropical depression or tropical storm
- Formation chance: 48 hours: High (70%); 5 days: High (70%)

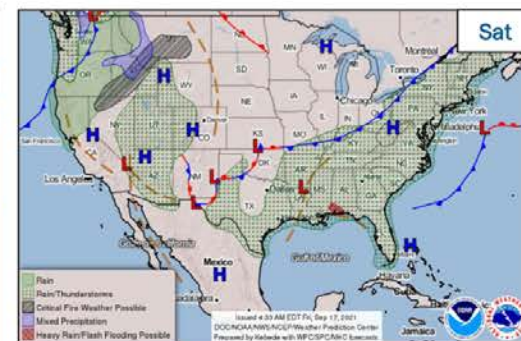
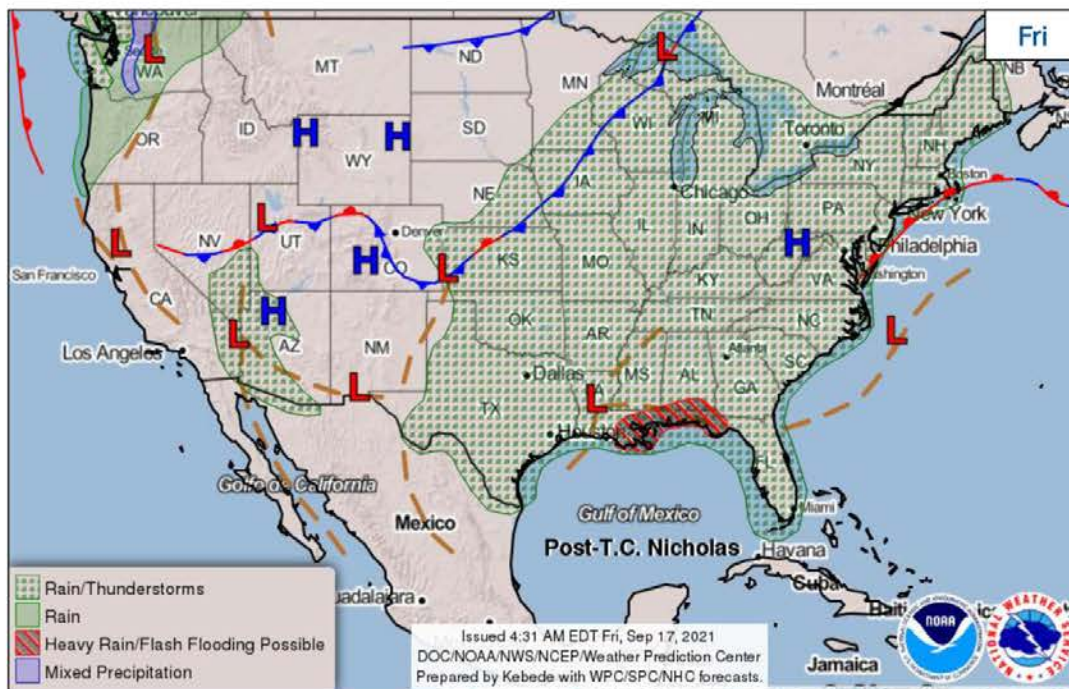
Disturbance 3 (as of 8:00 a.m. ET)

- Located over the far eastern tropical Atlantic
- Formation chance: 48 hours: Low (10%); 5 days: Low (20%)



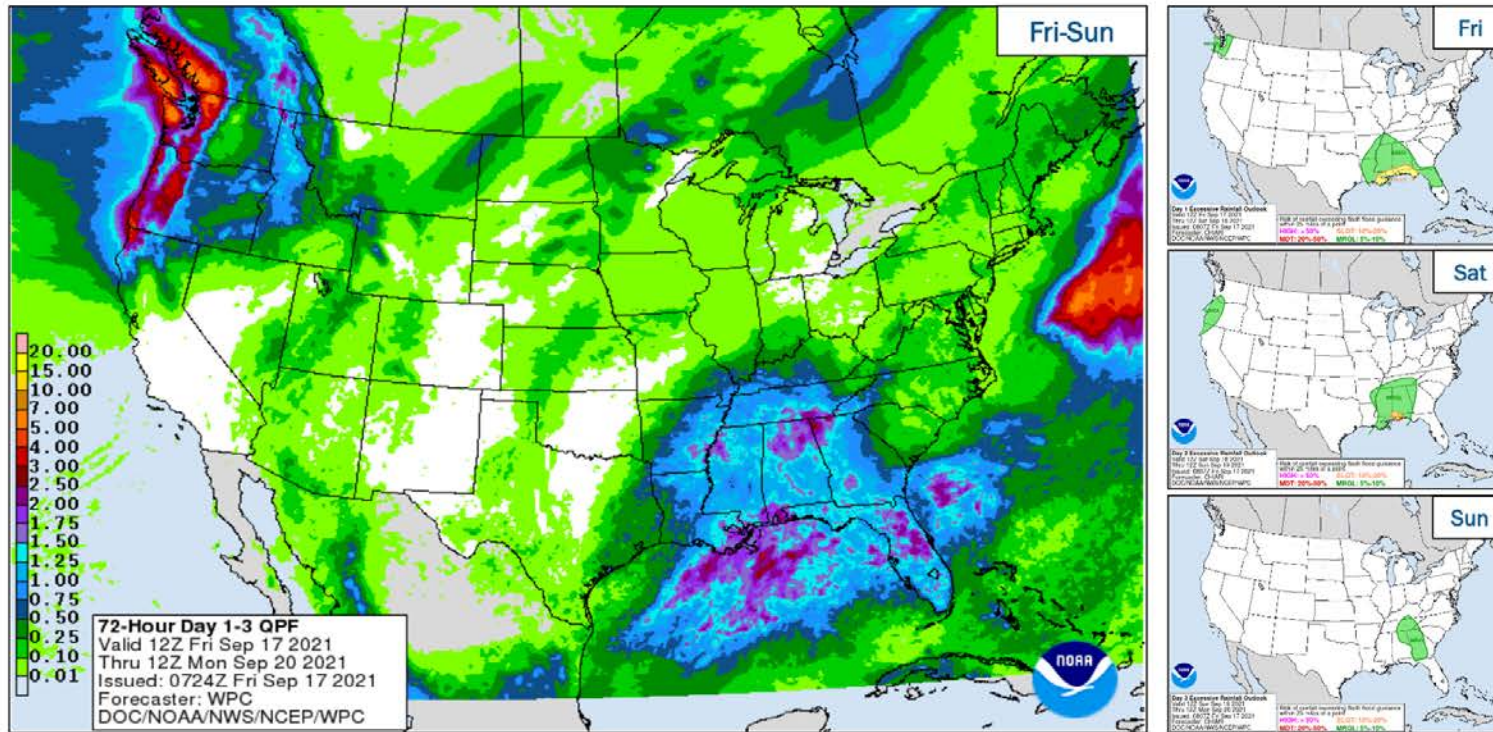
National Watch Center

National Weather Forecast



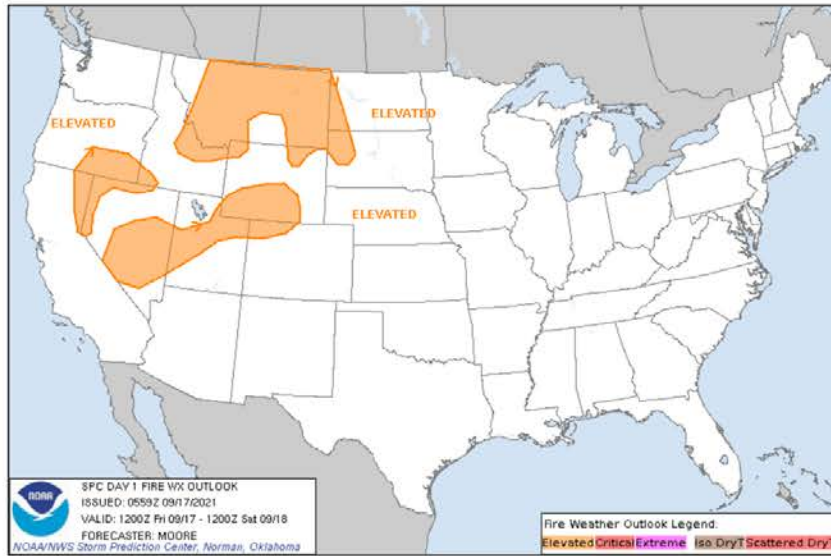
National Watch Center

Precipitation & Excessive Rainfall

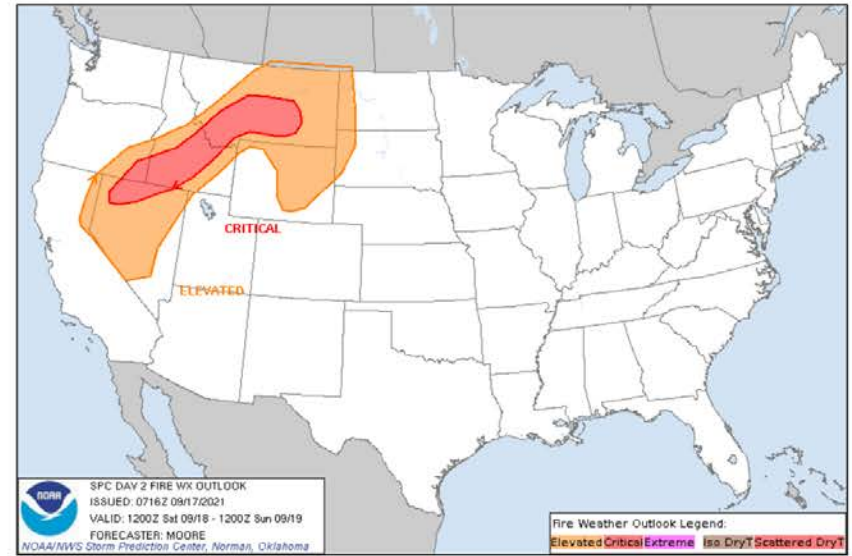


National Watch Center

Fire Weather Outlook



Today



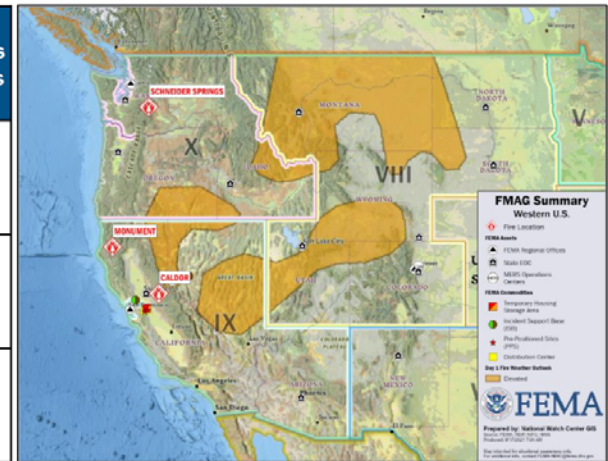
Tomorrow



National Watch Center

Wildfire Summary

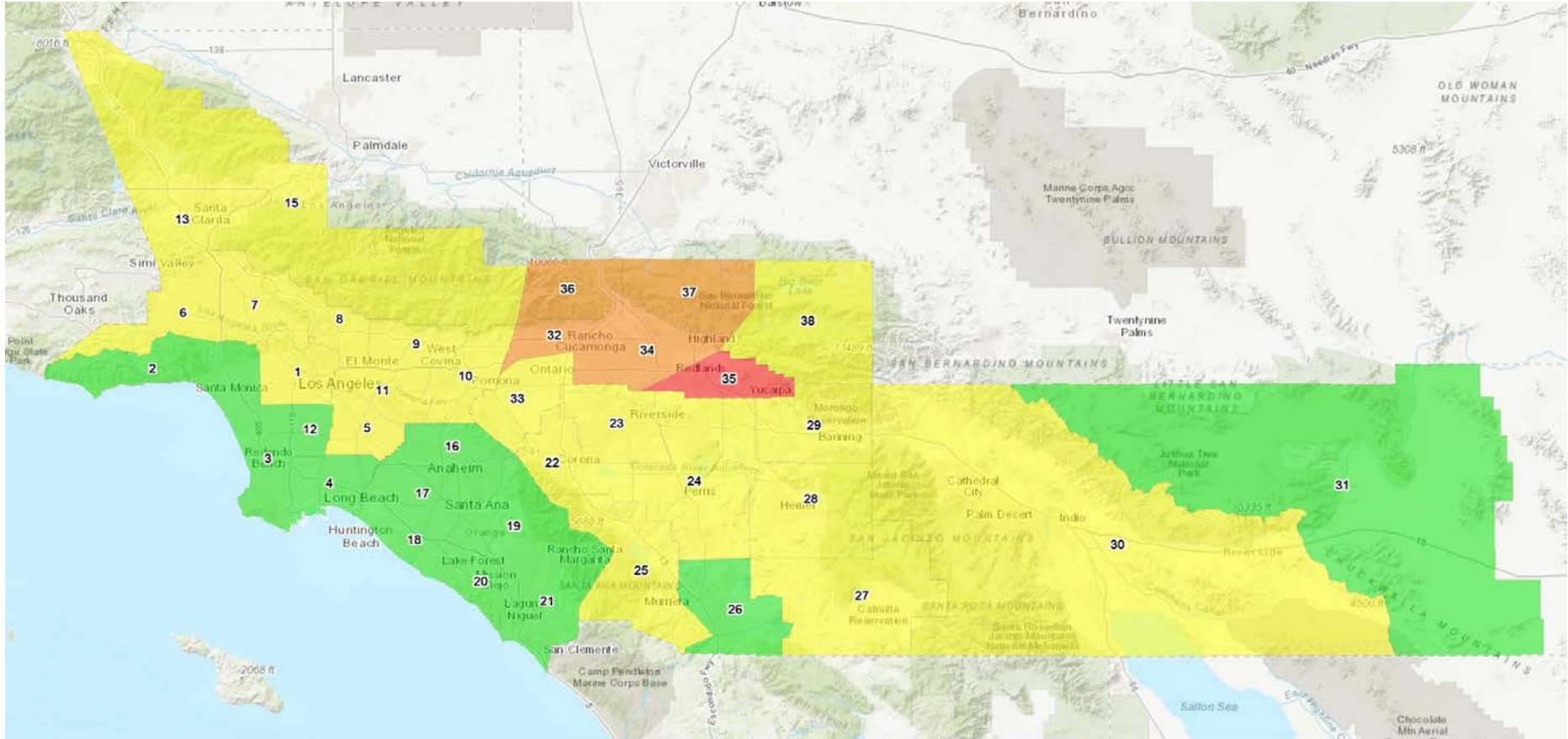
Fire Name (County, ST)	FMAG #	Acres Burned	Percent Contained	Evacuations	Structures (Homes / Other)			Fatalities / Injuries
					Threatened	Damaged	Destroyed	
Monument (Trinity, CA)	5412-FM-CA	216,732 (+1,688)	50%	M: 7,925 (-125)	H: 5,780	H: 3	H: 20	0/12
				V: 0	O: 4,800	O: 0	O: 30	
Caldor (El Dorado, CA)	5413-FM-CA	219,267	71%	M: 610 (-2,547)	H: 5,291 (-7,917)	H: 53	H: 782	0/16
				V: 0	O: 174 (-300)	O: 28	O: 221	
Schneider Springs (Yakima, WA)	5415-FM-WA	102,819	31% (+6)	M: 240	H: 1,658*	H: 0	H: 0	0/9
				V: 0	O: 0	O: 0	O: 0	



*Structures are a mix of residential, commercial, and other minor structures
 (Evacuations: M = Mandatory / V = Voluntary; Structures: H = Homes and Mixed Commercial/Residential / O = Non-residential Commercial/Other Minor Structures)









National Watch Center



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)