



Situation Summary

Friday, October 7, 2022 - Day 940 of the Pandemic

Update as of 12:30 PM

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.

COVID-19 by the Numbers

10/7/2022	Riverside	Imperial	Kern	Los Angeles*	Orange	San Bernardino	San Diego	San Luis Obispo	Santa Barbara	Ventura	California	United States	Global
Total Cases	694,250	65,425	280,807	3,271,661	665,825	668,798	922,323	63,060	105,437	208,124	10,408,111	96,443,656	617,597,680
Total Cases Per Capita	28,128	34,138	30,284	31,895	20,623	30,161	27,365	22,613	23,103	24,406	25,937	28,877	7,799
% of Total Cases/Population	28.13%	34.14%	30.28%	31.90%	20.62%	30.16%	27.37%	22.61%	23.10%	24.41%	25.94%	28.88%	7.80%
Total Deaths	6,543	958	459	33,336	7,435	8,106	5,491	524	722	1,565	47,438	1,056,702	6,532,705
Deaths Per Capita	265.10	499.87	49.50	324.99	230.29	365.56	162.92	187.91	158.20	183.52	118.21	316.40	82.50
% of Total Deaths/Population	0.27%	0.50%	0.05%	0.32%	0.23%	0.37%	0.16%	0.19%	0.16%	0.18%	0.12%	0.32%	0.08%
% of State's Cases	6.67%	0.63%	2.70%	31.43%	6.40%	6.43%	8.86%	0.61%	1.01%	2.00%	10.79%	15.62%	
Total Hospital Beds	3,462	202	1,006	19,286	5,952	3,611	6,540	442	604	1,168	66,350		
Currently in Hospitals	66	8	27	500	133	103	166	5	15	33	1,823		
Hospital Beds Available**	3,396	194	979	18,786	5,819	3,508	6,374	437	589	1,135	64,527		
Total Hospital ICU Beds**	105	10	39	802	161	174	284	22	14	41	2,398		
Currently in ICU	11	0	5	98	15	11	23	0	2	2	233		
ICU Beds Available	94	10	34	704	146	163	261	22	12	39	2,165		
Case Fatality Rate	0.94%	1.46%	0.16%	1.02%	1.12%	1.21%	0.60%	0.83%	0.68%	0.75%	0.46%	1.10%	1.06%
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	333,976,981	7,918,710,000
% of State Population	6.15%	0.48%	2.31%	25.56%	8.05%	5.53%	8.40%	0.69%	1.14%	2.13%	12.02%	4.22%	

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

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. (** based on calculation)(***California Demographics from State Database Blueprint Data Chart 12-15-20 & census.gov)

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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.

Early signs a new U.S. COVID surge could be on its way

- As the U.S. heads into a third pandemic winter, the first hints are emerging that another possible surge of COVID-19 infections could be on its way.
- The first hint of what could be in store is what's happening in Europe. Infections have been rising in many European countries, including the U.K., France, and Italy.
- "In the past, what's happened in Europe often has been a harbinger for what's about to happen in the United States," says Michael Osterholm, director of the Center for Infectious Disease Research and Policy at the University of Minnesota. "So I think the bottom line message for us in this country is: We have to be prepared for what they are beginning to see in Europe."
- In fact, scientists are watching a menagerie of new omicron subvariants that have emerged recently that appear to be even better at dodging immunity.

<https://www.npr.org/sections/health-shots/2022/10/07/1127017062/early-signs-a-new-u-s-covid-surge-could-be-on-its-way>

Immune reactions to severe Covid may trigger brain problems, study finds

- Severe Covid infections can cause immune reactions that damage nerve cells in the brain, causing memory problems and confusion, and potentially raising the risk of long-term health issues, research suggests.
- Scientists at King's College London found that a wayward immune response to the virus increased the death rate of neurons and had a "profound" impact on regeneration in the hippocampus region of the brain, which is crucial for learning and memory.
- "These neurological symptoms are very concerning for patients and their families, and the hope is that our research can help identify which treatments would be most appropriate to lessen or prevent these symptoms," said Carmine Pariante, a professor of biological psychiatry at KCL's Institute of Psychiatry, and senior author on the study.

<https://www.theguardian.com/world/2022/oct/05/immune-reactions-to-severe-covid-may-trigger-brain-problems-study-finds>

Long COVID is still disabling millions of Americans

- Of the nearly 24 million adults in the U.S. who currently have long COVID, more than 80% are having some trouble carrying out daily activities, according to CDC data released Wednesday.

<https://www.axios.com/2022/10/06/long-covid-cdc-data-disabling>

- CDC Report

<https://www.cdc.gov/nchs/covid19/pulse/long-covid.htm>

Share of Americans with long COVID who also reported significant activity limitations, by race

Survey of 50,258 U.S. adults conducted Sept. 14-26, 2022



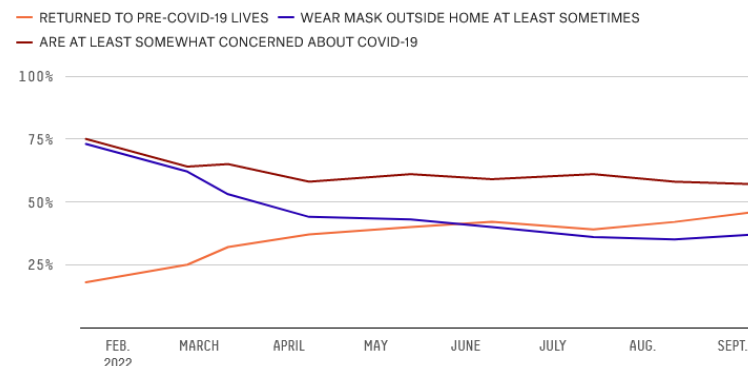
Data: U.S. Census Bureau, Household Pulse Survey 2022; Chart: Madison Dong/Axios Visuals

When Did Americans Stop Caring About COVID-19? - Weekly polling roundup.

- Last month, President Biden said what many Americans have long been thinking: “The pandemic is over.” With vaccinations, broader immunity and better treatments, the death toll from this virus is nowhere near what it was at the peak of the pandemic, and many Americans are returning to their pre-pandemic ways of life
- It’s hard to pinpoint exactly when public concern around the pandemic shifted for good, as there have been several inflection points.
- In the first three weeks of April 2020 — the thick of lockdown — just 19 percent of Americans said they had visited friends or relatives in the past week. That number has steadily risen over the two and a half years since, dipping occasionally when a new wave emerged. For example, an average of 62 percent of Americans said they visited friends or family during the summer of 2021, but that average dropped to 54 percent during the winter 2021 — the omicron-variant wave. And in the chart below, you can also see how the share of Americans who say they’re self-quarantining and wearing masks has declined, while the share who say they’ve returned to their pre-pandemic lives has increased:
<https://fivethirtyeight.com/features/when-did-americans-stop-caring-about-covid-19/>

Americans have gotten less concerned about COVID-19

Share of Americans reporting different COVID-19-related behaviors, since January 2022



Based on surveys conducted monthly in 2022: Jan. 21-24, Feb. 25-28, March 11-14, April 8-11, May 13-16, June 10-13, July 15-18, Aug. 12-15 and Sept. 9-12.

FiveThirtyEight

SOURCE: AXIOS/IPSSOS

COVID in California: More than 86% of U.S. children infected so far

- Approximately 86.3% of children in the U.S. have antibodies from surviving a prior COVID-19 infection as of Aug. 20, according to updated seroprevalence estimates by the Centers for Disease Control and Prevention. That marks a substantial increase from the previous report, which showed 79.7% infections among the pediatric population through June. The agency estimates that 61,696,000 children nationwide have been infected by the coronavirus at least once. The data does not include reinfections or measure antibodies produced by vaccination.
<https://www.sfchronicle.com/health/article/COVID-in-California-live-updates-17487042.php>

Doctors fear California law aimed at COVID-19 misinformation could do more harm than good

- California doctors will soon be subject to disciplinary action if they give their patients information about COVID-19 that they know to be false or misleading.
- On its face, the new state law sounds like a clear blow to the forces that have fueled skepticism about life-saving vaccines, encouraged anxious people to trust discredited and dangerous drugs like ivermectin and hydroxychloroquine, and reduced face masks to symbols of political partisanship. The measure was signed by Gov. Gavin Newsom last week and goes into effect on Jan. 1.
- But critics of the law, including many mainstream doctors who have advocated passionately for masks and vaccines, say it could end up curbing well-intentioned conversations between patients and physicians about a disease that’s still changing from one month to the next.

<https://www.latimes.com/science/story/2022-10-06/spreading-lies-about-covid-19-could-get-doctors-disciplined-in-california>