



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

Daily Situation Summary

Monday, August 16, 2021

As of 1:00 PM

COVID-19 by the Numbers

8/16/2021	Riverside	Imperial	Kern	Los Angeles*	Orange	San Bernardino	San Diego	San Luis Obispo	Santa Barbara	Ventura	California	United States	Global
Total Cases	317,814	29,206	116,475	1,335,550	272,449	314,430	309,406	22,959	36,804	85,985	4,061,828	36,556,516	207,173,086
New Cases (Day or Week)**	1,409	0	355	3,261	612	1,281	1,118	0	156	127	12,188	140,144	460,516
Total Cases Per Capita	12,877	15,239	12,561	13,020	8,439	14,180	9,180	8,233	8,064	10,083	10,122	11,000	2,669
% of Total Cases/Population	12.88%	15.24%	12.56%	13.02%	8.44%	14.18%	9.18%	8.23%	8.06%	10.08%	10.12%	11.00%	2.67%
New Cases Per Capita	57.09	0.00	38.29	31.79	18.96	57.77	33.17	0.00	34.18	14.89	30.37	42.17	5.93
Recovered**	310,821	26,305	113,415	Not Reported	255,226	305,872	Not Reported	22,054	37,052	84,679	2,189,158	30,210,666	187,001,571
% of total recovered/population	12.59%	13.73%	12.23%	Not Reported	7.91%	13.79%	Not Reported	7.91%	8.12%	9.93%	5.46%	9.09%	2.41%
Total Deaths	4,674	746	1,433	24,834	5,152	4,867	3,818	269	467	1,045	63,928	618,591	4,361,996
New Deaths	5	0	4	28	0	2	3	0	0	1	54	804	8,565
Deaths Per Capita	189.37	389.25	154.54	242.10	159.58	219.49	113.28	96.46	102.33	122.55	159.31	186.13	56.18
% of Total Deaths/Population	0.19%	0.39%	0.15%	0.24%	0.16%	0.22%	0.11%	0.10%	0.10%	0.12%	0.16%	0.19%	0.06%
% of State's Cases	7.82%	0.72%	2.87%	32.88%	6.71%	7.74%	7.62%	0.57%	0.91%	2.12%	11.11%	17.65%	
Currently in Hospitals	485	17	187	1,679	538	523	551	27	56	119	7,166		
Total Hospital Beds	3,399	236	1,170	19,100	5,965	3,615	6,483	460	614	1,142	66,101		
Currently in ICU	95	6	37	437	124	111	129	5	12	28	1,637		
ICU Beds Available	77	4	39	505	153	127	220	14	23	40	1,833		
Case Fatality Rate	1.47%	2.55%	1.23%	1.86%	1.89%	1.55%	1.23%	1.17%	1.27%	1.22%	1.57%	1.69%	2.11%
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 .

Presumptive active cases - A calculation (Total Cases - Recovered - Dead) (**a Lot of County sites do not report recovery rates or are only updating once a week)

News

More detail on page 2

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.

Africa-China trade slowed by container shortage as Covid-19 hits shipping

- As economies reopen, demand from China-Europe and trans-Pacific trade routes drives up shipping costs, making them more lucrative
- Routes to Africa have been affected by the resulting delays and further rising costs
<https://www.scmp.com/news/china/diplomacy/article/3145034/africa-china-trade-slowed-container-shortage-covid-19-hits>

Pfizer's vaccine could be less effective against the Delta variant, study suggests, even though vaccines help prevent serious illness or death

- A new Mayo Clinic preprint looked at the effectiveness of mRNA vaccines between January and July. (Not yet been peer-reviewed)
- It found Pfizer's effectiveness dropped to 42% in Minnesota in July, when Delta became dominant.
- Nonetheless, vaccines help protect against severe COVID-19 cases and deaths.

<https://www.businessinsider.com/pfizer-vaccine-efficacy-dropped-when-delta-became-dominant-study-2021-8>

STUDY: Comparison of two highly-effective mRNA vaccines for COVID-19 during periods of Alpha and Delta variant prevalence <https://www.medrxiv.org/content/10.1101/2021.08.06.21261707v1>

RELATED

Booster jabs are easy money for Pfizer and Moderna

- Moderna (MRNA.O) and Pfizer (PFE.N) just found an additional pot of gold. The U.S. Food and Drug Administration on Thursday authorized a third dose of their coronavirus vaccines for immunocompromised people. That's about 3% of Americans, but broader use is probably coming soon. Both companies will benefit, but Moderna's roughly \$160 billion market capitalization depends on it more.
- The science behind additional shots is somewhat murky as immunity isn't an on-off switch. If the goal is to end the pandemic, though, booster shots aren't the best use of vaccines.
- Pfizer cited a study that showed the efficacy of two doses of its vaccine declined over time to 84% from 96%. A few percentage points are nice, but the gains from giving jabs to the unvaccinated are far greater, which is why the World Health Organization has asked governments to hold off on boosters until more people receive initial doses. Yet for political reasons, governments in rich countries probably will encourage boosters anyway.

<https://www.reuters.com/breakingviews/booster-jabs-are-easy-money-pfizer-moderna-2021-08-13/>

RELATED

Fauci dismisses study on delta efficacy between Moderna, Pfizer as guide for booster shots

<https://www.foxnews.com/health/fauci-study-delta-efficacy-moderna-pfizer-booster>

New 'Lambda' Coronavirus Strain Detected in California

- The emerging Lambda variant is spreading rapidly throughout South America. In California, at least 152 cases have been reported, the first as early as September 2020, according to state public health officials.
- Experts say Lambda could be more infectious and resistant to vaccines than the original SARS-CoV-2 virus. But there is no evidence, at least so far, that it's as infectious as the Delta variant that now dominates California. China had been largely

<https://www.sanjoseinside.com/news/covid-19/new-lambda-coronavirus-strain-detected-in-california/>