

COVID-19 UPDATES

October 2nd, 2020

For live updates on COVID-19 at the state level, county level and the Claremont neighborhood, you can check our [COVID-19 Claremont Graduate University Dashboard](#).

- **Global:** Total confirmed cases: 34,353,480. Total deaths: 1,023,983. Total recoveries: 23,892,818.
- **United States:** Total confirmed cases: 7,288,166. Total deaths: 207,867. Total recoveries: 2,860,650.
- **California:** Total confirmed cases: 813,687. Total deaths: 15,888.

County-Level Statistics

Table 1. County-level confirmed cases, deaths, and case-fatality rates.

County	Confirmed Cases	Deaths	Case-fatality rate per 1,000	Total Population
Los Angeles	271371	6610	23.8	10,039,107
San Bernardino	55394	955	14.5	2,180,085
Orange	53909	1275	18.7	3,175,692
Ventura	12867	152	10.4	846,006
Riverside	59488	1226	18.9	2,470,546

Case-fatality rates may be biased due to undercounts in both cases and deaths

LA County

- Total of 271371 cases across LA County, including 6610 deaths.
- For the previous 24 hours, 34 new deaths and 1072 new cases.

Cities In Claremont's Neighborhood

Total number of cases: 12111

Table 2. Confirmed cases in Claremont and neighboring cities

City	Total Confirmed Cases	Total Population
Claremont	390	36,478
La Verne	474	32,206
Pomona	5585	152,361
Montclair	1286	39,437
Rancho Cucamonga	2927	177,751
Upland	1450	77,000

Policy

- Drugmakers Eli Lilly and Regeneron Pharmaceuticals each released positive data for COVID-19 antibody therapeutics they are developing as treatments and passive vaccines. Both companies are discussing their data with regulators, and there are reasons to believe their approval could come much quicker than expected, possibly before the Election Day. ([Bloomberg](#))
- Newsom vetoed a bill Wednesday that would have provided sweeping new labor protections for workers laid off during the pandemic by requiring hotel, airport and janitorial employers to rehire based on seniority. The protections pushed by labor groups targeted businesses, including event centers and building maintenance, that have let go a third of their workforce as a result of COVID-19. Gov. Newsom said the bill was too prescriptive and threatened to hurt the already devastated hospitality industry. ([Los Angeles Times](#))
- The federal government will begin distributing millions of rapid coronavirus tests to states this week, with governors urged to use the kits to reopen schools for students in kindergarten through 12th grade. The Abbott Laboratories tests will allow parents to know whether their symptomatic child has COVID-19. In some cases, states could undertake some baseline surveillance, like testing a proportion of students per week or per month to make sure that the incidence of COVID-19 is low. ([Associated Press](#))
- House Democrats have released a \$2.2 trillion coronavirus response [package](#) in an attempt to revive long-stalled aid negotiations with Republicans. The proposed legislation addresses many of Democrats' top priorities, including reviving the expired \$600 weekly federal unemployment benefit through January. Democrats also included another round of direct payments of \$1,200 per person and \$500 per dependent, funds for small business loans and food security programs as well as \$436 billion in relief for states and local governments. ([NPR](#))
- Health researchers and educational experts watch Florida for cues about what works to keep students, staff and the broader community safe amid a pandemic. In August, Florida pushed to reopen schools with in-person instruction amid concerns over a possible surge in COVID-19 cases. A USA Today analysis shows the state's positive case count among kids ages 5 to 17 declined through late September after a peak in July. Among the counties seeing surges in overall cases, it is college-age adults – not schoolchildren – driving the trend. ([USA Today](#))
- A comprehensive immunization campaign against COVID-19 needs to address liability protections for manufacturers and distributors of vaccines. Issues include legal immunity from lawsuits stemming from side effects, as well as compensation systems to pay for some of the medical expenses, lost income, and other losses that can result from adverse effects of vaccination. The global nature of the pandemic complicates issues of liability outside the United States because an act of Congress cannot determine legal procedure in other countries. ([RAND](#))

Latest Research News

- COVID-19 can spread on airline flights. In-flight transmission that probably originated from one symptomatic passenger caused a large cluster of cases during a long flight, a study finds. Guidelines for preventing SARS-CoV-2 infection among air passengers should consider individual passengers' risk for infection, the number of passengers traveling, and flight duration. ([Nguyen Cong Khanh et al. CDC Emerging Infectious Diseases](#))

- A genetic association study of 3,199 patients identified a gene cluster on chromosome 3 as a major genetic risk locus for severe SARS-CoV-2 infection, hospitalization and respiratory failure. The risk is conferred by a genomic segment of ~50 kb that is inherited from Neanderthals and is carried by about 50 percent of people in South Asia and about 16 percent of people in Europe today. ([Hugo Zeberg and Svante Pääbo Nature](#))
- A small study of participants 56 years of age and older shows the effectiveness of a two-dose Moderna COVID-19 vaccine in an older population. The vaccine series had an acceptable safety and reactogenicity profile at doses of both 25 µg and 100 µg, with mostly mild-to-moderate local and systemic adverse events of short duration, which occurred predominantly after the second dose. ([J. Anderson et al. The New England Journal of Medicine](#))
- Analysis of plasma of 28,503 randomly selected adult patients receiving dialysis showed that fewer than 10 percent of the adult population in the United States formed antibodies against SARS-CoV-2 as of July 2020, and that herd immunity remains out of reach. ([Shuchi Anand et al. The Lancet](#))
- A study shows that the transmission of SARS-CoV-2 in Manaus, located in the Brazilian Amazon, increased quickly during March and April and declined more slowly from May to September. In June, one month following the epidemic peak, 44 percent of the population was seropositive for SARS-CoV-2, equating to a cumulative incidence of 52 percent after correcting for the false-negative rate of the antibody test. The seroprevalence fell in July and August due to antibody waning. After correcting for this, the study estimates a final epidemic size of 66 percent, suggesting that herd immunity played a significant role in determining the size of the epidemic. ([Lewis Buss et al. medRxiv](#))
- London is to host the world's first COVID-19 human challenge trials, in which healthy volunteers are deliberately infected with coronavirus to assess the effectiveness of experimental vaccines. The trials will play a vital role in narrowing the large field of promising COVID-19 vaccines likely to move into clinical testing early next year. Volunteers will be inoculated with a vaccine and a month or so later receive a "challenge" dose of SARS-COV-2 under controlled conditions. ([Financial Times](#))

Useful Links

[Urban Institute Mapping Neighborhoods Where Low-income Renters Face Greater Risks of Housing Instability and Homelessness to Inform an Equitable COVID-19 Response](#)

[The COVID Tracking Project](#)

[Protect Public Data Hub by the U.S. Department of Health and Human Services](#)

[Contact Tracing Workforce Estimator by Fitzhugh Mullan Institute for Health Workforce Equity, the George Washington University](#)

[California COVID-19 statistics by county](#)

[Los Alamos National Laboratory COVID-19 Forecasts](#)

[Paul Bogaardt et al. IPRC Working Paper](#)

[CDC Provisional Death Counts for COVID-19: Data Updates by Select Demographic and Geographic Characteristics](#)

[NBER Working papers on COVID-19 and Economics](#)

[Census COVID-19 Impact Report](#)

[CDC COVID-19 Forecasts](#)

[Johns Hopkins University CSSE international map](#)

[RAND State Policy Evaluation Tool: The Health and Economic Impacts of COVID-19 Interventions](#)

[Map of California Counties advancing to Stage 2 of reopening](#)

[Google COVID-19 Community Mobility Reports](#)

[COVID-19 Projections by the Institute for Health Metrics and Evaluation](#)

[COVID-19 Projections by the University of Texas COVID-19 Modeling Consortium](#)

[Our World in Data COVID-19 Statistics and Research](#)

[Estimation of COVID-19 epidemic evaluation by the SIR model by Milan Batista \(2020\), fitVirusCOVID19](#)

[Imperial College London COVID-19 Behavior Tracker](#)

[Penn Wharton Budget Model](#)

[Kaiser Family Foundation Data Tool](#)

[RAND Tool for Estimating Critical Care Capacity](#)

[NBER Working papers on COVID-19 and Economics](#)

[Becker Friedman Institute for Economics Working Papers on COVID-19](#)

[COVID-19 Research and Information from Human Capital and Economic Opportunity Global Working Group, University of Chicago](#)

[The Trump Administration's Guidelines for Opening Up America Again](#)