

COVID-19 UPDATES

October 17, 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: 39,032,342. Total deaths: 1,099,950. Total recoveries: 26,942,946.
- **United States:** Total confirmed cases: 7,988,893. Total deaths: 217,904. Total recoveries: 3,177,397.
- **California:** Total confirmed cases: 858,401. Total deaths: 16,757.
 - Virus transmission in Los Angeles County is rated as widespread by **the governor's reopening regime**, which places LA county in Tier 1 and keeps higher education and K-12 schools closed. Schools are permitted to open to stable groups of no more than 12 students with disabilities, students requiring instruction for English as a second language and students needing other specialized in-school services. Many businesses and services are allowed to reopen if performed outdoors with modifications. ([Los Angeles Times](#))
 - Los Angeles County is still in the strictest level of the state's four-tier economic-reopening roadmap. The county's recent testing positivity rate is low enough to qualify the county to move up to a less-restrictive tier, but the average daily number of new cases needs to drop to about 700 per day before any movement will occur. ([NBC](#))

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	286183	6834	23.8	10,039,107
San Bernardino	59169	988	14.5	2,180,085
Orange	56436	1391	18.7	3,175,692
Ventura	13541	159	10.4	846,006
Riverside	63125	1269	18.9	2,470,546

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

LA County

- Total of 286183 cases across LA County, including 6834 deaths.
- For the previous 24 hours, 22 new deaths and 1167 new cases.

Cities In Claremont's Neighborhood

Total number of cases: 12886

Table 2. Confirmed cases in Claremont and neighboring cities

City	Total Confirmed Cases	Total Population
Claremont	421	36,478
La Verne	529	32,206
Pomona	5861	152,361
Montclair	1388	39,437
Rancho Cucamonga	3146	177,751
Upland	1541	77,000

Policy

- Colleges are recording a national enrollment drop during the COVID-19 pandemic. First-year students declined 16.1 percent, accounting for 69 percent of all enrollment losses at the undergraduate level nationally. Community colleges are showing the greatest losses (9.4 percent), while graduate enrollment grew far more than in the previous fall, with the largest gain in public four-year colleges (4 percent). ([National Student Clearinghouse Research Center](#))
- The first round of global COVID-19 vaccinations likely will go to frontline workers, health care professionals and older people. Healthy young people might not get the coronavirus vaccine until 2022, top officials from the World Health Organization said Wednesday. The United States is working toward having a vaccine for mass availability by spring 2021. ([The Hill](#))
- The Senate will vote on a limited coronavirus stimulus bill this month, Majority Leader Mitch McConnell said Tuesday, as lawmakers stumble in their push to send aid to Americans before the 2020 election. The bill will target relief to American voters, including new funding for Paycheck Protection Program small business loans. Democrats, who blocked a roughly \$500 billion Republican plan in the Senate last month, could dismiss the latest GOP proposal as inadequate. ([CNBC](#))
- Most IMF loans to help poor countries through the pandemic recommend adoption of tough austerity measures, according to an [Oxfam analysis](#). The report warns that austerity could worsen poverty and inequality and increase vulnerability to COVID-19.
- The world is experiencing a weak recovery from the COVID-19 recession. Governments have little choice but aggressive fiscal stimulus on top of already high public debt, juxtaposed against the risks of even greater and long-lasting scarring of economies in the absence of such stimulus. The global low interest rate environment will limit interest payment burdens, and, rather than crowding out private investment as in normal times, well-targeted government expenditures could serve as a catalyst for economic recovery. ([Brookings](#))

Latest Research News

- A study by the World Health Organization found that remdesivir, an antiviral widely used to treat COVID-19 hospitalized patients, did not reduce death rates in a multinational trial. Inconsistent treatment protocols conducted in diverse health care systems in various countries might be a factor to consider. ([New York Times](#))
- An observational study of 60 patients in Germany found that previous infections with seasonal coronaviruses might protect against a severe course of the SARS-CoV-2

disease. It was shown that elevated antibody levels for HCoV OC43 and HKU1 were associated with less need for intensive care therapy. ([Martin Dugas et al. medRxiv](#))

- A clinical trial that is testing an antibody treatment for COVID-19 developed by the drugmaker Eli Lilly has been paused because of a potential safety concern. Eli Lilly is one of several companies pursuing experimental treatments for Covid-19 that use monoclonal antibodies — mass-produced mimics of immune molecules that the human body produces in reaction to the coronavirus. ([New York Times](#))
- Genomic analysis of SARS-CoV-2 in a 25-year-old Nevada man shows coronavirus re-infection with two genetically distinct viral agents. The second infection was symptomatically more severe than the first. ([Richard Tillett et al. The Lancet](#))
- The 60,000-patient clinical trial of Johnson & Johnson's COVID-19 vaccine has been paused due to an unexplained illness in a study participant. It is not yet known whether the participant received a vaccine study treatment or a placebo. ([STAT](#))
- An experimental study demonstrates SARS-CoV-2 can remain infectious on surfaces for significantly longer time than generally considered possible. A viable virus can survive on common surfaces such as glass, stainless steel and both paper and polymer banknotes for up to 28 days at 20 degrees Celsius. On some at 40 degree Celsius, however, infectious virus survived less than 24 hours. ([Shane Riddell et al. Virology Journal](#))

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](#)