

## COVID-19 UPDATES

September 29th

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: 33,431,133. Total deaths: 1,003,168. Total recoveries: 23,197,023.
- **United States:** Total confirmed cases: 7,152,221. Total deaths: 205,161. Total recoveries: 2,794,608.
- **California:** Total confirmed cases: 805,263. Total deaths: 15,608.

### 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	268455	6515	23.8	10,039,107
San Bernardino	54482	925	14.5	2,180,085
Orange	53448	1216	18.7	3,175,692
Ventura	12653	150	10.4	846,006
Riverside	58932	1206	18.9	2,470,546

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

### LA County

- Total of 268455 cases across LA County, including 6515 deaths.
- For the previous 24 hours, 27 new deaths and 2680 new cases.

### Cities In Claremont's Neighborhood

Total number of cases: 11951

**Table 2. Confirmed cases in Claremont and neighboring cities**

City	Total Confirmed Cases	Total Population
Claremont	384	36,478
La Verne	467	32,206
Pomona	5521	152,361
Montclair	1270	39,437
Rancho Cucamonga	2887	177,751
Upland	1422	77,000

## Policy

- 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**)
- **The U.S. Government Accountability Office** recently updated its oversight report of federal actions to support public health, individuals, and the economy during the COVID-19 pandemic. Findings indicate that the Department of Health and Human Services may be able to collect more complete data on COVID-19 cases, hospitalizations, and deaths among racial and ethnic minority groups. Additionally, the Department of the Treasury and the IRS do not know how many eligible people have yet to receive an economic impact payment.
- **San Francisco Mayor London N. Breed** Thursday announced a \$28.5 million COVID-related support for the Latino community, which has been disproportionately impacted by the pandemic. An initial funding of \$22.5 million will come through various public and private sources and support testing and contact tracing, housing, food access, workforce, and small businesses.
- L.A. County remains in the most restrictive level of state guidelines for waivers that would allow them to conduct in-person learning. Los Angeles Unified School District students are not expected to return to schools for in-person before November. Meanwhile, Orange County is allowed to reopen schools Tuesday, per state guidelines, as the county has gone 14 days without exceeding seven new COVID-19 cases per 100,000 people. School districts have decided to push their start dates back, with some planning a phased return with a hybrid online and in-person format to allow for physical distancing. (**ABC News**)

## Latest Research News

- 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](#))
- Johnson & Johnson said Wednesday it started a 60,000-person clinical trial of its single-dose COVID-19 vaccine on three continents, becoming the fourth experimental COVID-19 shot to enter final-stage testing in the United States. ([Wall Street Journal](#))
- A study estimating the COVID-19 infection risk for different indoor environments such as an office, a classroom, a choir practice room and reception/party environments suggests that aerosols from highly infective subjects can effectively transmit COVID-19 in indoor environments. Active room ventilation and the ubiquitous wearing of face masks may reduce the individual infection risk by a factor of five to ten, similar to high-volume HEPA air filtering. ([Lelieveld et al. medRxiv](#))
- Patients with a recent diagnosis of substance use disorders are found to be at significantly increased risk for COVID-19, an effect that is strongest for individuals with opioid use disorders, followed by individuals with tobacco use disorder. COVID-19 patients with substance use disorders have significantly worse outcomes (death: 9.6 percent hospitalization: 41 percent) than general COVID-19 patients (death: 6.6 percent, hospitalization: 30.1 percent). African Americans with COVID-19 and substance use disorders experience worse outcomes (death: 13 percent, hospitalization: 50.7 percent) than Caucasians (death: 8.6 percent, hospitalization: 35.2 percent). ([Quan Qiu Wang et al. Molecular Psychiatry](#))

## 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](#)