

## COVID-19 UPDATES

November 12th, 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: 52,304,064. Total deaths: 1,287,051. Total recoveries: 34,021,610.
- **United States:** Total confirmed cases: 10,415,779. Total deaths: 241,907. Total recoveries: 3,997,175.
- **California:** Total confirmed cases: 984,682. Total deaths: 18,070.
  - 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    | 328042          | 7216   | 23.8                         | 10,039,107       |
| San Bernardino | 71072           | 1096   | 14.5                         | 2,180,085        |
| Orange         | 65234           | 1514   | 18.7                         | 3,175,692        |
| Ventura        | 15625           | 171    | 10.4                         | 846,006          |
| Riverside      | 72341           | 1352   | 18.9                         | 2,470,546        |

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

### LA County

- Total of 328042 cases across LA County, including 7216 deaths.
- For the previous 24 hours, 16 new deaths and 2091 new cases.

### Cities In Claremont's Neighborhood

Total number of cases: 14315

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

| City             | Total Confirmed Cases | Total Population |
|------------------|-----------------------|------------------|
| Claremont        | 511                   | 36,478           |
| La Verne         | 624                   | 32,206           |
| Pomona           | 6753                  | 152,361          |
| Montclair        | 1456                  | 39,437           |
| Rancho Cucamonga | 3275                  | 177,751          |
| Upland           | 1696                  | 77,000           |

## Policy Updates

- Rural hospitals cannot afford ultra-cold freezers to store the leading COVID-19 vaccine, which has to be stored at -70 degrees Celsius. The CDC has advised state health departments against purchasing ultra-cold freezers - which cost \$10,000 to \$15,000 each - saying other vaccines with less demanding storage requirements will be available soon. The Pfizer company said it is committed to working closely with local government and ensuring everyone has the opportunity to have access to the vaccine. (STAT)
- The drug maker Pfizer announced Monday that its coronavirus vaccine appears more than 90 percent effective in preventing COVID-19 among volunteers. No serious safety concerns have been observed. Pfizer plans to ask the Food and Drug Administration for emergency authorization of the two-dose vaccine later this month and manufacture enough doses to immunize 15 million to 20 million people by the end of this year. (New York Times)  
Congressional Democrats face a loss of leverage in negotiations over a new COVID-19 relief bill, as Senate Republicans appear set to hold the majority and push for a smaller aid package of \$500 billion or less, without direct stimulus checks or large-scale aid to state and local governments. Senate Majority Leader Mitch McConnell announced Wednesday plans to reinvigorate stimulus talks in a bipartisan manner. (Bloomberg)
- Newsom overstepped his authority in June when he required vote-by-mail ballots be sent to the state's 21 million registered voters. A Sutter County Superior Court judge also issued an injunction barring the governor from taking executive action that "changes existing statutory law or makes new statutory law or legislative policy," rebuking a governor who has relied heavily on executive orders to respond to the COVID-19 pandemic. (Los Angeles Times)
- The International Civil Aviation Organization (ICAO) is expected to adopt a Manual on Testing and Cross Border Risk Management Measures to mitigate onboard COVID-19 transmission. The manual will offer technical guidance for the use of reliable tests when screening passengers ahead of flights, and its implementation by countries will be voluntary, without the obligation to remove quarantines. (Asia Times Financial)

## Latest Research News

- Analysis of mobile-phone data to track human contacts at highly clustered urban venues might effectively guide policy decisions about reopening and explain infection disparities. Integrating mobility data into epidemiological surveillance systems should become routine as we rebuild such surveillance systems to incorporate the lessons of this pandemic. (Kevin C. Ma and Marc Lipsitch Nature)

- The FDA issued an emergency use authorization Monday for the Eli Lilly and Company monoclonal antibody therapy to treat mild to moderate coronavirus infections in adults and children. The single antibody treatment, called bamlanivimab, must be infused in a hospital or other health care setting. It is the first monoclonal antibody to be authorized for use in treating coronavirus. ([CNN](#))
- Scientists raise concerns that wide-ranging symptoms of COVID-19 disease are related to damaged lining of blood vessels, or endothelium. The virus attacks the endothelial cells directly, or endothelial cells sustain collateral damage along the way as the immune system reacts, and sometimes overreacts, to the invading virus. ([NPR](#))
- The artificial-intelligence (AI) algorithm developed by MIT has correctly – with 98.5 percent success rate – identified people with COVID-19 only by the sound of their coughs. The researchers would need regulatory approval to develop it into an app. ([BBC News](#))
- A study involving more than 5,000 COVID-19 patients in Houston finds that the virus that causes the disease is accumulating genetic mutations, one of which may have made it more contagious. At least one mutation allows the virus's spike to evade a neutralizing antibody that humans naturally produce to fight SARS-CoV-2 infections. The good news is that this mutation is rare and does not appear to make the disease more severe for infected patients. ([The University of Texas at Austin News](#))

#### 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