



COVID-19 Digest Issue 61

July 16, 2021

CLINICAL PEARLS

- According to data collected from a U.K. COVID-19 symptom study app since May when Delta became the most common circulating variant in the U.K., the **most common symptom in people with a confirmed COVID-19 infection due to the Delta variant is headache. COVID-19 Delta symptoms may be easily mistaken for those of the common cold, including sore throat, runny nose and fever**, although it is rare to develop a fever with a cold. These COVID-19 Delta symptoms are different from **cough and loss of taste and/or smell** symptoms caused by other variants and the original SARS-CoV-2.
- **Wastewater surveillance for COVID-19:**
 - “Wastewater” also referred to as “sewage,” includes water from household/building use (i.e., toilets, showers, sinks) that can contain human fecal waste, as well as water from non-household sources (e.g., rainwater and industrial use).
 - Nearly 80 percent of United States households are served by municipal sewage collection systems.
 - Community-level wastewater surveillance at a treatment plant does not capture homes on a septic-based system. Additionally, community-level wastewater surveillance at a wastewater treatment plant will not capture communities or facilities served by decentralized systems, such as prisons, universities, or hospitals that treat their waste.
 - Not all wastewater treatment plants are appropriate as sites for surveillance given their operations logistics (e.g., if sewage is pre-treated before it reaches the plant).
 - Sewage testing has been successfully used as a method for early detection of several diseases, including hepatitis A, norovirus and polio.
 - **Wastewater can be tested for RNA from SARS-CoV-2.**
 - Wastewater surveillance for the SARS-CoV-2 virus has been shown to be sensitive in detecting non-infectious viral RNA fragments when there are infected people in a community. **Trends of viral concentrations detected in wastewater have also correlated well with the trends of the numbers of infected persons in those communities. Thus, wastewater surveillance for SARS-CoV-2 has the potential to detect hot spots and provide public health departments with situational awareness, confirming human COVID-19 surveillance trends.**
 - SARS-CoV-2 can be shed in the feces of individuals with symptomatic or asymptomatic infection; therefore, wastewater surveillance can capture data on both types of infection.
 - Quantitative SARS-CoV-2 measurements in untreated sewage can provide information on changes in total COVID-19 infection in the community contributing to that wastewater treatment plant (that area is known as the “sewershed”).
 - **Depending on the frequency of testing, sewage surveillance can be a leading indicator of changes in COVID-19 burden in a community.**
 - **SARS-CoV-2 RNA detection in sewage serves as a COVID-19 indicator that is independent of healthcare-seeking behaviors and access to clinical testing.**
 - **Sewage testing over time can provide trend data that can complement other surveillance data that inform public health decision-making. However, at this time, it is not possible to reliably and accurately predict the number of infected individuals in a community based on sewage testing.**
 - Low levels of infection in a community may not be captured by sewage surveillance. The lower limits of detection (i.e., the smallest number of people shedding the virus in stool that can still be detected by current testing methods) for sewage surveillance are not yet





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well understood. More data on fecal shedding by infected individuals over the course of disease are needed to better understand the limits of detection.

- Since last year, several wastewater surveillance projects to detect SARS-CoV-2 have been implemented in the United States.
 - Most of these projects are led by universities, but the US Centers for Disease Control and Prevention and several state public health departments have started a National Wastewater Surveillance System (NWSS).
 - **In California, the California Department of Public Health (CDPH) is participating in NWSS with water utilities in four counties (Los Angeles, Orange, San Diego, and San Francisco). Data collected from this new pilot project will contribute to understanding how wastewater surveillance for SARS-CoV-2 can supplement COVID-19 case surveillance.**

PUBLIC HEALTH UPDATES

- [Joint CDC and FDA Statement on Vaccine Boosters](#)
- CDPH
 - [Vaccinations Prevent Nearly All COVID-19 Related Hospitalizations and Deaths, New Data Shows](#)
 - [CDC Reinforces Shared Priority of Full In-Person Instruction, California to Issue Updated School Guidance](#)

GUIDANCE/GUIDELINES

- CDPH
 - [COVID-19 Public Health Guidance for K-12 Schools in California, 2021-22 School Year](#)
 - [K-12 school-based COVID-19 testing strategies for school year 2021-22](#)
- CDC
 - [Guidance for COVID-19 Prevention in Kindergarten \(K\)-12 Schools](#)
 - [COVID-19 Guidance for Operating Early Care and Education/Child Care Programs](#)
- WHO [Therapeutics and COVID-19: living guideline](#)

RESOURCES

- CDC
 - [Health Department-Reported Cases of Multisystem Inflammatory Syndrome in Children \(MIS-C\) in the United States](#)
 - Global Health: [Hunting for COVID-19 in the Rain Forest of Brazil](#)
- CDC/IDSA COVID-19 Clinician Call: [Myocarditis After COVID-19 mRNA Vaccine; Plus Vaccine Q&A](#)
- IDSA
 - Media Briefing: [COVID Vaccines & the Delta Variant](#)
 - Vaccine Education Roundtable:
 - [The State of Global Vaccine Equity, Part 3](#)
 - [Pediatric Vaccination Rollout](#)
 - Podcast: [Mucormycosis: The Highly Fatal Fungal Disease Affecting COVID-19 Patients in India](#)
- American Academy of Pediatrics [Children and COVID-19: State-Level Data Report](#) (updated data available)
- WHO [Weekly epidemiological update on COVID-19 - 13 July 2021](#)
- Public Health England
 - [SARS-CoV-2 variants of concern and variants under investigation in England](#)
 - [Risk assessment for SARS-CoV-2 variant: LAMBDA \(VUI-21JUN-01, C.37\)](#)





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- Center for Infectious Disease Research and Policy Osterholm Update: [A Formidable Foe](#)
- Burbio [School Mask Policy Tracker](#)

ACADEMIC/RESEARCH PAPERS

- *Cell*
 - [Impact of SARS-CoV-2 variants on the total CD4+ and CD8+ T cell reactivity in infected or vaccinated individuals](#)
 - [Immunogenicity of SARS-CoV-2 messenger RNA vaccines in patients with cancer](#)
 - [Sputnik V Vaccine Elicits Seroconversion and Neutralizing Capacity to SARS CoV-2 after a Single Dose](#)
- *Genomics*
 - [Vaccine-escape and fast-growing mutations in the United Kingdom, the United States, Singapore, Spain, India, and other COVID-19-devastated countries](#)
- *Nature*
 - [Reduced sensitivity of SARS-CoV-2 variant Delta to antibody neutralization](#)
 - [BNT162b2-elicited neutralization of B.1.617 and other SARS-CoV-2 variants](#)
 - [Antibody epitopes in vaccine-induced immune thrombotic thrombocytopenia](#)
 - [Reprogrammed CRISPR-Cas13b suppresses SARS-CoV-2 replication and circumvents its mutational escape through mismatch tolerance](#)
 - [Cell-mimicking nanodecoys neutralize SARS-CoV-2 and mitigate lung injury in a non-human primate model of COVID-19](#)
 - [Mapping the human genetic architecture of COVID-19](#)
 - [Lack of consideration of sex and gender in COVID-19 clinical studies](#)
 - [Reduction in life expectancy in Brazil after COVID-19](#)
 - [Wearable materials with embedded synthetic biology sensors for biomolecule detection](#)
- *New England Journal of Medicine*
 - [Prevention and Attenuation of Covid-19 with the BNT162b2 and mRNA-1273 Vaccines](#)
 - [Safety and Efficacy of NVX-CoV2373 Covid-19 Vaccine](#)
 - [Effectiveness of an Inactivated SARS-CoV-2 Vaccine in Chile](#)
 - [Bamlanivimab plus Etesevimab in Mild or Moderate Covid-19](#)
- *Clinical Infectious Diseases*
 - [Single-dose mRNA vaccine effectiveness against SARS-CoV-2, including Alpha and Gamma variants: a test-negative design in adults 70 years and older in British Columbia, Canada](#)
 - [Persistent symptoms in adult patients one year after COVID-19: a prospective cohort study](#)
 - [Ivermectin for the treatment of COVID-19: A systematic review and meta-analysis of randomized controlled trials](#)
- *European Congress of Clinical Microbiology and Infectious Diseases*
 - [Case report: a 90-year-old lady infected with two CoVID-19 VoCs: 20I/501Y.V1 and 20H/501Y.V2](#)
 - [A multifaceted approach to provide the equitable delivery of COVID-19 vaccines in the black community](#)
 - [Examining the potential benefits of influenza vaccination against SARS-CoV-2: retrospective cohort analysis of 74,754 patients](#)
- *Emerging Microbes and Infections*
 - [Antibody titers decline 3-month post-vaccination with BNT162b2](#)





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- *JAMA*
 - [Association Between BNT162b2 Vaccination and Incidence of SARS-CoV-2 Infection in Pregnant Women](#)
 - [Evaluation of Messenger RNA From COVID-19 BNT162b2 and mRNA-1273 Vaccines in Human Milk](#)
 - [Serologic Status and Toxic Effects of the SARS-CoV-2 BNT162b2 Vaccine in Patients Undergoing Treatment for Cancer](#)
 - [Myocarditis Following Immunization With mRNA COVID-19 Vaccines in Members of the US Military](#)
 - [Patients With Acute Myocarditis Following mRNA COVID-19 Vaccination](#)
 - [Temporal Associations Between Immunization With the COVID-19 mRNA Vaccines and Myocarditis - The Vaccine Safety Surveillance System Is Working](#)
 - [Estimated SARS-CoV-2 Seroprevalence in US Patients Receiving Dialysis 1 Year After the Beginning of the COVID-19 Pandemic](#)
 - [Assessment of Prolonged Physiological and Behavioral Changes Associated With COVID-19 Infection](#)
 - [Frequency of Thrombocytopenia and Platelet Factor 4/Heparin Antibodies in Patients With Cerebral Venous Sinus Thrombosis Prior to the COVID-19 Pandemic](#)
 - [Association Between Administration of IL-6 Antagonists and Mortality Among Patients Hospitalized for COVID-19 - A Meta-analysis](#)
 - [IL-6 Receptor Antagonist Therapy for Patients Hospitalized for COVID-19 - Who, When, and How?](#)
 - [Asymptomatic and Symptomatic COVID-19 Infections Among Health Care Personnel Before and After Vaccination](#)
 - [COVID-19 Vaccination of Health Care Personnel as a Condition of Employment - A Logical Addition to Institutional Safety Programs](#)
 - [Mandatory SARS-CoV-2 Vaccinations in K-12 Schools, Colleges/Universities, and Businesses](#)
 - [Assessment of Mental Health of High School Students During Social Distancing and Remote Schooling During the COVID-19 Pandemic in Austria](#)
 - [Association of Childcare Facility Closures With Employment Status of US Women vs Men During the COVID-19 Pandemic](#)
 - [Another COVID-19 Fallout: Teens' Happy Hour With Parents](#)
 - [Utilization of Women's Preventive Health Services During the COVID-19 Pandemic](#)
 - [US Trends in COVID-19-Associated Hospitalization and Mortality Rates Before and After Reopening Economies](#)
 - [Effect of Physician-Delivered COVID-19 Public Health Messages and Messages Acknowledging Racial Inequity on Black and White Adults' Knowledge, Beliefs, and Practices Related to COVID-19 - A Randomized Clinical Trial](#)
 - [Physician-Delivered Messaging as a Tool to Increase COVID-19 Knowledge and Preventive Behaviors—Implications Beyond a Pandemic](#)
 - [Lottery-Based Incentive in Ohio and COVID-19 Vaccination Rates](#)
 - [Sharing Technology and Vaccine Doses to Address Global Vaccine Inequity and End the COVID-19 Pandemic](#)
 - [Ethical Considerations of Offering Benefits to COVID-19 Vaccine Recipients](#)
 - [Evaluation of Health Equity in COVID-19 Vaccine Distribution Plans in the United States](#)
 - [Guidance for Health Care Leaders During the Recovery Stage of the COVID-19 Pandemic](#)
 - [Effects of Wearing an N95 Respirator or Cloth Mask Among Adults at Peak Exercise - A Randomized Crossover Trial](#)
 - [Alcohol-Related Diseases Increased as Some People Drank More During the COVID-19 Pandemic](#)





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- [Trends in Respiratory Virus Infections During the COVID-19 Pandemic in Singapore, 2020](#)
- *The Lancet*
 - [Safety and Immunogenicity Report from the Com-COV Study – a Single-Blind Randomised Non-Inferiority Trial Comparing Heterologous And Homologous Prime-Boost Schedules with An Adenoviral Vecteded and mRNA COVID-19 Vaccine](#)
 - [Safety, tolerability, and immunogenicity of an inactivated SARS-CoV-2 vaccine \(CoronaVac\) in healthy children and adolescents: a double-blind, randomised, controlled, phase 1/2 clinical trial](#)
 - [COVID-19 vaccines for children younger than 12 years: are we ready?](#)
 - [Azithromycin versus standard care in patients with mild-to-moderate COVID-19 \(ATOMIC2\): an open-label, randomised trial](#)
- *medRxiv*
 - [Risk factors for intensive care admission and death amongst children and young people admitted to hospital with COVID-19 and PIMS-TS in England during the first pandemic year](#)
- *Research Square*
 - [Deaths in Children and Young People in England following SARS-CoV-2 infection during the first pandemic year: a national study using linked mandatory child death reporting data](#)
- *Annals of Internal Medicine*
 - [Association Between Caseload Surge and COVID-19 Survival in 558 U.S. Hospitals, March to August 2020](#)
 - [Prevalence of Symptoms More Than Seven Months After Diagnosis of Symptomatic COVID-19 in an Outpatient Setting](#)
 - [The Case for Mandating COVID-19 Vaccines for Health Care Workers](#)
- *Infection Control and Hospital Epidemiology*
 - [Multisociety Statement on COVID-19 Vaccination as a Condition of Employment for Healthcare Personnel](#)
- *Journal of Adolescent Health*
 - [Young Adult Perspectives on COVID-19 Vaccinations](#)
- *Emerging Infectious Diseases*
 - [Effects of COVID-19 Vaccination Timing and Risk Prioritization on Mortality Rates, United States](#)
 - [Patterns of Virus Exposure and Presumed Household Transmission among Persons with Coronavirus Disease, United States, January–April 2020](#)
 - [Risk for Acquiring COVID-19 Illness among Emergency Medical Service Personnel Exposed to Aerosol-Generating Procedures](#)
 - [Prolonged SARS-CoV-2 RNA Shedding from Therapy Cat after Cluster Outbreak in Retirement Home](#)
 - [Predictors of Nonseroconversion after SARS-CoV-2 Infection](#)
 - [Industry Sectors Highly Affected by Worksite Outbreaks of Coronavirus Disease, Los Angeles County, California, USA, March 19–September 30, 2020](#)
 - [Multisystem Inflammatory Syndrome after SARS-CoV-2 Infection and COVID-19 Vaccination](#)
 - [Emergence of SARS-CoV-2 B.1.1.7 Lineage at Outpatient Testing Site, Berlin, Germany, January–March 2021](#)
 - [Severe Acute Respiratory Syndrome Coronavirus 2 P.2 Lineage Associated with Reinfection Case, Brazil, June–October 2020](#)
 - [Seroprevalence of SARS-CoV-2 among Blood Donors and Changes after Introduction of Public Health and Social Measures, London, UK](#)
 - [COVID-19 Outbreak on a Passenger Ship and Assessment of Response Measures, Greece, 2020](#)





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- [Assessing Community Vulnerability over 3 Waves of COVID-19 Pandemic, Hong Kong, China](#)
- [Psychobehavioral Responses and Likelihood of Receiving COVID-19 Vaccines during the Pandemic, Hong Kong](#)
- [Susceptibility of Well-Differentiated Airway Epithelial Cell Cultures from Domestic and Wild Animals to Severe Acute Respiratory Syndrome Coronavirus 2](#)
- [Possible Human-to-Dog Transmission of SARS-CoV-2, Italy, 2020](#)
- [Cross-Sectional Serosurvey of Companion Animals Housed with SARS-CoV-2-Infected Owners, Italy](#)
- [SARS-CoV-2 Aerosol Exhaled by Experimentally Infected Cynomolgus Monkeys](#)
- [Natural SARS-CoV-2 Infection in Kept Ferrets, Spain](#)
- *Science*
 - [Multiplexed, quantitative serological profiling of COVID-19 from blood by a point-of-care test](#)
- *Molecular and Cellular Proteomics*
 - [Proteome profiling of recombinant DNase therapy in reducing NETs and aiding recovery in COVID-19 patients](#)
- *Pathogens*
 - [Investigation of Long COVID Prevalence and Its Relationship to Epstein-Barr Virus Reactivation](#)
- *BMJ Journal*
 - [Rapid resolution of COVID-19 after faecal microbiota transplantation](#)
- *PLOS*
 - [Bacterial superinfection in adults with COVID-19 hospitalized in two clinics in Medellín-Colombia, 2020](#)
 - [Sales of antibiotics and hydroxychloroquine in India during the COVID-19 epidemic: An interrupted time series analysis](#)
 - [Dating first cases of COVID-19](#)
- *PNAS*
 - [Postinfection treatment with a protease inhibitor increases survival of mice with a fatal SARS-CoV-2 infection](#)
- *Blood Advances*
 - [Comorbidities are risk factors for hospitalization and serious COVID-19 illness in children and adults with sickle cell disease](#)
- *Preventive Medicine*
 - [COVID-19 impact on screening test volume through the National Breast and Cervical Cancer early detection program, January–June 2020, in the United States](#)
- *American Geriatrics Society*
 - [Baricitinib reduces 30-day mortality in older adults with moderate-to-severe COVID-19 pneumonia](#)
- *Advanced Science*
 - [Combined Metabolic Activators Accelerates Recovery in Mild-to-Moderate COVID-19](#)
- *American Chemical Society*
 - [Experimental Evidence for the Optimal Design of a High-Performing Cloth Mask](#)
- *Biochemistry, Biophysics and Molecular Biology*
 - [A synthetic defective interfering SARS-CoV-2](#)
- *eLife*
 - [Smartphone Screen Testing, a novel pre-diagnostic method to identify SARS-CoV-2 infectious individuals](#)





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- *Biosafety and Health*
 - [SARS-CoV-2: A critical review of its history, pathogenesis, transmission, diagnosis and treatment](#)
- *Kaiser Family Foundation*
 - [KFF COVID-19 Vaccine Monitor: June 2021](#)
- *RAND Corporation*
 - [Will Students Come Back? School Hesitancy Among Parents and Their Preferences for COVID-19 Safety Practices in Schools](#)
- *Eurosurveillance*
 - [Predicted dominance of variant Delta of SARS-CoV-2 before Tokyo Olympic Games, Japan, July 2021](#)
- *Preprint*
 - [Pfizer-BioNTech and Oxford AstraZeneca COVID-19 vaccine effectiveness and immune response among individuals in clinical risk groups](#)

MMWR

- [SARS-CoV-2 B.1.617.2 \(Delta\) Variant COVID-19 Outbreak Associated with a Gymnastics Facility — Oklahoma, April–May 2021](#)
- [Use of mRNA COVID-19 Vaccine After Reports of Myocarditis Among Vaccine Recipients: Update from the Advisory Committee on Immunization Practices — United States, June 2021](#)
- [COVID-19 Vaccine Administration, by Race and Ethnicity — North Carolina, December 14, 2020–April 6, 2021](#)
- [COVID-19 Vaccination Coverage Among Insured Persons Aged ≥16 Years, by Race/Ethnicity and Other Selected Characteristics — Eight Integrated Health Care Organizations, United States, December 14, 2020–May 15, 2021](#)
- [Acceptability of Adolescent COVID-19 Vaccination Among Adolescents and Parents of Adolescents — United States, April 15–23, 2021](#)
- [Efficacy of Portable Air Cleaners and Masking for Reducing Indoor Exposure to Simulated Exhaled SARS-CoV-2 Aerosols — United States, 2021](#)
- [Symptoms of Depression, Anxiety, Post-Traumatic Stress Disorder, and Suicidal Ideation Among State, Tribal, Local, and Territorial Public Health Workers During the COVID-19 Pandemic — United States, March–April 2021](#)
- [Disparities in Learning Mode Access Among K–12 Students During the COVID-19 Pandemic, by Race/Ethnicity, Geography, and Grade Level — United States, September 2020–April 2021](#)
- [Outcomes Among Patients Referred to Outpatient Rehabilitation Clinics after COVID-19 diagnosis — United States, January 2020–March 2021](#)

HOT OFF THE (LAY) PRESS

- *Forbes*
 - [White House Says U.S. Not ‘On Track’ For New Covid Restrictions As Delta Variant Spreads](#)
- *The Hill*
 - [McConnell pushes COVID-19 vaccines amid delta variant worries](#)
 - [Calls rise for FDA to fully approve COVID-19 vaccines](#)
 - [Biden administration shipping millions of COVID-19 vaccines to Latin America this week](#)
- *Politico*
 - [Calls mount on FDA to formally endorse Covid vaccines as Delta surges](#)
 - [Rush to close vaccination gap for Hispanics](#)
 - [‘Potentially a death sentence’: White House goes off on vaccine fearmongers](#)





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- *CNN*
 - [Fauci says Americans who are fully vaccinated do not need booster shots at this time](#)
 - [Delta variant now makes up more than half of coronavirus cases in US, CDC says](#)
 - [More than 1 in 10 people have missed their second dose of Covid-19 vaccine](#)
 - [Los Angeles County sees exponential growth in Covid-19 cases as Delta variant becomes dominant, worrying officials](#)
 - [Life after the 1918 flu has lessons for our post-pandemic world](#)
 - [Justice Clarence Thomas rejects longshot bid to disrupt Biden's mask mandate for public transport](#)
 - [Greece and France join Italy in making Covid-19 shots mandatory for health workers, telling the unvaccinated they won't get paid](#)
- *New York Times*
 - [How Dangerous Is the Delta Variant?](#)
 - [Hopeful News on Delta - The Delta variant is more contagious. It does not appear to be more severe.](#)
 - [How does the Delta variant dodge the immune system? Scientists find clues](#)
 - [Masks Again? Delta Variant's Spread Prompts Reconsideration of Precautions](#)
 - [Pfizer and BioNTech will test a vaccine against the Delta variant](#)
 - [Citing the Delta Variant, Pfizer Will Pursue Booster Shots and a New Vaccine](#)
 - [U.S. Officials Press Pfizer for More Evidence of Need for Booster Shot](#)
 - [Johnson & Johnson says its vaccine protects against the Delta variant](#)
 - [The C.D.C. Issues New School Guidance, With Emphasis on Full Reopening](#)
 - [Time is running out for many eligible U.S. students to get fully vaccinated before schools reopen](#)
 - [When School Is Voluntary](#)
 - [The world's known Covid death toll passes four million](#)
 - ['It's Huge, It's Historic, It's Unheard-of': Drug Overdose Deaths Spike](#)
 - [Spectators Will Be Barred at Tokyo Olympics Amid New Covid Emergency](#)
 - [England will lift most Covid restrictions on July 19, Johnson says.](#)
 - [Birthday Parties as Virus Vector- Just how much Covid was spreading behind closed doors last year? Quite a lot, as a new study with a simple yet creative approach found out](#)
 - [Zoo animals are receiving experimental coronavirus vaccines.](#)
 - [Why the Most Unusual Covid Cases Matter](#)
- *Reuters*
 - [Pfizer, BioNTech to seek authorization for COVID booster shot as Delta variant spreads](#)
 - [Australia steps up vaccine push to stem COVID-19 outbreak](#)
- *Pfizer and BioNTech Press Releases*
 - [Pfizer and BioNTech Provide Update on Booster Program in Light of the Delta-Variant](#)
- *Johnson and Johnson Press Releases*
 - [Positive New Data for Johnson & Johnson Single-Shot COVID-19 Vaccine on Activity Against Delta Variant and Long-lasting Durability of Response](#)
 - [Johnson & Johnson Statement on COVID-19 Vaccine](#)
- *The Washington Post*
 - [FDA adds new warning on Johnson & Johnson vaccine related to rare autoimmune disorder](#)
 - [Biden announces door-to-door outreach, outlines other strategies to boost vaccination](#)
 - [Dozens of coronavirus patients die in Indonesian hospital amid oxygen shortages](#)
 - [Anatomy of a health conundrum: The racial gap in vaccinations](#)





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- *Moderna Press Releases*
 - [Moderna Provides a Clinical Update on the Neutralizing Activity of its COVID-19 Vaccine on Emerging Variants Including the Delta Variant First Identified in India](#)
- *NPR*
 - [Moderna Says Studies Show Its Vaccine Is Effective Against The Delta Variant](#)
 - [A Woman Died Of COVID After Contracting 2 Variants At The Same Time, Researchers Say](#)
 - [Meet Maryland's Secret Weapon In The Battle To Close The Latino Vaccination Gap](#)
 - [New COVID-19 Outbreaks Are Driving Some Places Back Under Lockdown And Behind Masks](#)
 - [COVID Cases In Parts Of Missouri And Arkansas Surge To Levels Not Seen Since Winter](#)
- *Novavax Press Releases*
 - [Novavax COVID-19 Vaccine Demonstrates 90% Overall Efficacy and 100% Protection Against Moderate and Severe Disease in PREVENT-19 Phase 3 Trial](#)
- *The Wall Street Journal*
 - [Young Americans Aren't Getting Vaccinated, Jeopardizing Covid-19 Fight](#)
 - [In Children, Risk of Covid-19 Death or Serious Illness Remains Extremely Low, New Studies Find](#)
- *BBC News*
 - [Covid: Children's extremely low risk confirmed by study](#)
- *AP News*
 - [As variant rises, vaccine plan targets 'movable middle'](#)
 - [Nearly all COVID deaths in US are now among unvaccinated](#)
 - [LA County urges indoor masks even if vaccinated](#)
 - [Summer camps hit with COVID outbreaks — are schools next?](#)
 - [Russia mandates vaccinations for some as virus cases surge](#)
 - [Learning setbacks coming into focus with new testing results](#)
- *CBS News*
 - [Gottlieb says parts of U.S. could see "very dense outbreaks" as Delta variant spreads](#)
- *NBC News*
 - [Common cold or Covid? Upper respiratory symptoms are growing more prevalent, docs say](#)
- *Live Science*
 - [Why health officials are watching new 'lambda' coronavirus variant](#)
- *Gavi The Vaccine Alliance*
 - [COVID: lambda variant is now in 29 countries, but what evidence do we have that it's more dangerous?](#)
- *Science Alert*
 - [These People's Bodies Can Become COVID-19 'Variant Factories', Experts Warn](#)
- *Scientific American*
 - [The Animal Viruses Most Likely to Jump into Humans](#)
 - [New Long-Haul COVID Clinics Treat Mysterious and Ongoing Symptoms](#)
- *The Atlantic*
 - [America's Vaccine Future Is Fragmenting](#)
- *The Guardian*
 - [France reports rush for vaccines after Macron tightens Covid rules](#)
- *Doctors Without Borders*
 - [Brazil: MSF boosts response as COVID-19 death toll tops half a million](#)





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- *Bloomberg*
 - [The Last—And Only—Foreign Scientist in the Wuhan Lab Speaks Out](#)
- *SciTechDaily*
 - [Surgical Face Masks Provide Good Protection Against Aerosols – Plastic Face Shields Provide No Protection](#)
 - [Researchers Investigate the Striking Absence of Flu and Other “Usual Suspects” During COVID-19 Pandemic](#)
- *Eureka Alert*
 - [The Lancet: CoronaVac COVID-19 vaccine is safe and protects against disease, interim analysis](#)
 - [Men with low testosterone more likely to die from Covid-19](#)
 - [Study suggests it is common for pet dogs and cats to catch COVID-19 from their owners](#)
 - [Cats may catch COVID-19 from sleeping on their owner's bed](#)
- *US Government Accountability Office*
 - [ICE Efforts to Address COVID-19 in Detention Facilities](#)
- *National Geographic*
 - [New cancer treatments may be on the horizon—thanks to mRNA vaccines](#)
- *Kaiser Health News*
 - [Without Enough Boots on the Ground, California’s Vaccination Efforts Falter](#)
- *KQED*
 - [Newsom, Legislative Leaders Agree to Expanded Independent Study for Distance Learning](#)
- *Los Angeles Times*
 - [In abrupt turnaround, California to let school districts decide how to enforce mask rules](#)
 - [In troubling spike, L.A. County sees 3,000 new coronavirus cases in three days](#)
 - [Coronavirus spread worsens across L.A. County as Delta variant brings rising alarm](#)
 - [‘Cause for alarm’: COVID-19 hospitalizations worsen for Black L.A. County residents](#)
 - [Wealth, class and remote work reshape California’s new boomtowns as people flee big cities](#)
 - [Oregon and Washington lift most COVID-19 restrictions as New Mexico prepares to reopen](#)
 - [Nearly 5 out of 6 coronavirus cases were undetected in pandemic’s early months](#)
- *San Francisco Chronicle*
 - [Editorial: The Bay Area has become a COVID hot spot. Here's what to make of that](#)
 - [Bay Area an 'emerging hot spot' for COVID as delta cases jump](#)
 - [COVID cases up more than 20% in Bay Area, California since June 15 reopening](#)
 - [Alameda County sees 'concerning' jump in COVID cases](#)
 - [Delta variant's spread among unvaccinated Californians threatens new surge of COVID cases, officials warn](#)
 - [Delta variant now the dominant coronavirus strain in California. Here's what that means](#)
 - [California keeps school mask mandate, as CDC lifts distancing requirement to encourage reopening](#)
 - [Bay Area deaths plunge to near zero, thanks to high vaccination rates](#)
 - [This Bay Area county sorts COVID into vaccinated and unvaccinated. It's 'a tale of two counties'](#)
 - [Bay Area doctor arrested for allegedly selling fake COVID-19 vaccination cards](#)
 - [Facebook will be sending a vaccination truck into Bay Area neighborhoods](#)
 - [California Capitol reinstates mask mandate after COVID outbreak](#)
- *San Jose Spotlight*
 - [Santa Clara County revises total COVID deaths by over 20%](#)





SAN MATEO COUNTY HEALTH

PUBLIC HEALTH, POLICY & PLANNING

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EPIDEMIOLOGY UPDATES

- [CDC COVID Data Tracker](#)
- **US Leads the World in Confirmed COVID-19 Cases** per [Johns Hopkins University Center for Systems Science and Engineering Dashboard Website](#)
- [Johns Hopkins COVID-19 in the USA](#) – daily summary of key data on COVID-19 in the U.S.
- **California COVID-19 by the numbers** are available on the [CDPH Website](#) and the [NYT Map and Table](#) (includes data by county)
 - **California COVID-19 Statewide Update** as of July 16, 2021
- [San Mateo County COVID-19 Dashboard](#)
- [Santa Clara County COVID-19 Dashboard](#)

ADDITIONAL COVID-19 RESOURCES

- [San Mateo County COVID-19 Guidance and Resources for Clinicians and Facilities – COVID-19 Digests](#)
- [Palo Alto Online tracking the coronavirus in San Mateo and Santa Clara counties](#)
- [California COVID-19 Data and Tools](#)
- [CDPH COVID-19 Assessment and Modeling Tool](#)
- [California Department of Corrections and Rehabilitations Population COVID-19 Tracking Dashboards](#)
- [CDC Interactive Serology Dashboard for Commercial Laboratory Surveys](#)
- [Children and COVID-19: State-Level Data Report](#)
- [HHS Coronavirus Data Hub](#)
- [COVID-19 Nursing Home Data](#)

