



COVID-19 Digest Issue 58

June 4, 2021

CLINICAL PEARL

- On May 26, 2021, given the sustained increase in the P.1 and B.1.351 variants, the Assistant Secretary for Preparedness and Response (ASPR) within the U.S. Department of Health and Human Services (HHS) [stopped the distribution of bamlanivimab plus etesevimab to California](#). The FDA recommends that health care providers in California use instead casirivimab plus imdevimab (i.e., REGEN-COV) therapy until further notice. All treatment sites can continue ordering casirivimab plus imdevimab from the authorized distributor using the direct ordering process.

PUBLIC HEALTH UPDATES

- [CDPH Health Advisory: Myocarditis and Pericarditis after Receipt of mRNA COVID-19 Vaccines Among Adolescents and Young Adults](#)
- [CDPH Health Alert: Bamlanivimab plus Etesevimab No Longer Recommended for Use in California for COVID-19](#)
- [NIH clinical trial evaluating mixed COVID-19 vaccine schedules begins](#)
- [NIH announced U.S. blood donations are safe under current COVID-19 screening guidelines](#)
- [FDA Authorizes Additional Monoclonal Antibody for Treatment of COVID-19](#)
- [FDA Safety Communication: Stop Using Lepu Medical Technology SARS-CoV-2 Antigen and Leccurate Antibody Tests](#)
- [WHO announces simple, easy-to-say labels for SARS-CoV-2 Variants of Interest and Concern](#)
- [WHO validates Sinovac COVID-19 vaccine for emergency use and issues interim policy recommendations](#)

GUIDANCE/GUIDELINES

- CDC [Clinical Considerations: Myocarditis and Pericarditis after Receipt of mRNA COVID-19 Vaccines Among Adolescents and Young Adults](#)
- NIH [The COVID-19 Treatment Guidelines Panel's Statement on Baricitinib for the Treatment of Adults with COVID-19](#)
- American Academy of Pediatrics [Guidance on Face Masks](#)

RESOURCES

- CDC
 - [COVID-19 Forecasts: Cases](#)
- WHO
 - [COVID-19 Natural Immunity Scientific Brief](#)
 - [Tracking SARS-CoV-2 variants](#)
- IDSA
 - [Podcast: How to Summer Safely](#)
- Center for Infectious Disease Research and Policy
 - Osterholm Update: COVID-19 [Episode 57: Reading the Pitch](#)





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ACADEMIC/RESEARCH PAPERS

- *Pediatrics*
 - [Symptomatic Acute Myocarditis in Seven Adolescents Following Pfizer-BioNTech COVID-19 Vaccination](#)
 - [30-Day Outcomes of Children and Adolescents With COVID-19: An International Experience](#)
- *Revista Española de Cardiología (English Edition)*
 - [Acute myocarditis after administration of the BNT162b2 vaccine against COVID-19](#)
- *IJC Heart and Vasculature*
 - [Temporal relation between second dose BNT162b2 mRNA Covid-19 vaccine and cardiac involvement in a patient with previous SARS-COV-2 infection](#)
- *New England Journal of Medicine*
 - [Safety, Immunogenicity, and Efficacy of the BNT162b2 Covid-19 Vaccine in Adolescents](#)
- *JAMA*
 - [Prevalence of Clinical and Subclinical Myocarditis in Competitive Athletes With Recent SARS-CoV-2 Infection Results From the Big Ten COVID-19 Cardiac Registry](#)
 - [Effect of 2 Inactivated SARS-CoV-2 Vaccines on Symptomatic COVID-19 Infection in Adults - A Randomized Clinical Trial](#)
 - [Allergic Reactions to mRNA Vaccines](#)
 - [Evaluation of Seropositivity Following BNT162b2 Messenger RNA Vaccination for SARS-CoV-2 in Patients Undergoing Treatment for Cancer](#)
 - [Immune Responses to SARS-CoV-2 Among Patients With Cancer](#)
 - [Accessibility and Usability of State Health Department COVID-19 Vaccine Websites - A Qualitative Study](#)
 - [Factors Associated With Racial/Ethnic Group-Based Medical Mistrust and Perspectives on COVID-19 Vaccine Trial Participation and Vaccine Uptake in the US](#)
 - [Racial/Ethnic, Social, and Geographic Trends in Overdose-Associated Cardiac Arrests Observed by US Emergency Medical Services During the COVID-19 Pandemic](#)
 - [Assessment of the Frequency and Variety of Persistent Symptoms Among Patients With COVID-19 - A Systematic Review](#)
 - [Association Between Bitter Taste Receptor Phenotype and Clinical Outcomes Among Patients With COVID-19](#)
 - [Difference in SARS-CoV-2 Antibody Status Between Patients With Cancer and Health Care Workers During the COVID-19 Pandemic in Japan](#)
 - [Assessment of SARS-CoV-2 Reinfection 1 Year After Primary Infection in a Population in Lombardy, Italy](#)
 - [Return to Play for Athletes After COVID-19 Infection](#)
 - [Protection Because of Prior SARS-CoV-2 Infection](#)
- *medRxiv*
 - [Effectiveness of COVID-19 vaccines against the B.1.617.2 variant](#)
- *Journal of Infection*
 - [Previous COVID-19 infection, but not Long-COVID, is associated with increased adverse events following BNT162b2/Pfizer vaccination.](#)
- *Research Square*
 - ["Vaccine-Induced Covid-19 Mimicry" Syndrome: Splice reactions within the SARS-2 Spike open reading frame result in Spike protein variants that may cause thromboembolic events in patients immunized with vector-based vaccines](#)

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- *Public Health Agency of Canada*
 - [INTERCHANGEABILITY OF AUTHORIZED COVID-19 VACCINES](#)
- *Clinical Infectious Diseases*
 - [Circulating SARS-CoV-2 Vaccine Antigen Detected in the Plasma of mRNA-1273 Vaccine Recipients](#)
 - [Risk factors for illness severity among pregnant women with confirmed SARS-CoV-2 infection - Surveillance for Emerging Threats to Mothers and Babies Network, 22 state, local, and territorial health departments, March 29, 2020 -March 5, 2021](#)
- *Nature*
 - [Cytokine release syndrome in a patient with colorectal cancer after vaccination with BNT162b2](#)
- *Cell*
 - [SARS-CoV-2 infects human pancreatic \$\beta\$ cells and elicits \$\beta\$ cell impairment](#)
- *Annals of Internal Medicine*
 - [Update Alert 9: Epidemiology of and Risk Factors for Coronavirus Infection in Health Care Workers](#)
- *Lancet*
 - [Azithromycin in patients admitted to hospital with COVID-19 \(RECOVERY\): a randomised, controlled, open-label, platform trial](#)
 - [Colchicine for community-treated patients with COVID-19 \(COLCORONA\): a phase 3, randomised, double-blinded, adaptive, placebo-controlled, multicentre trial](#)
 - [Same-day SARS-CoV-2 antigen test screening in an indoor mass-gathering live music event: a randomised controlled trial](#)
 - [Innovations in COVID-19 testing: the road from pandemic response to control](#)
 - [Exploiting an early immunological window of opportunity in COVID-19](#)
- *PLOS*
 - [DNA vaccination induced protective immunity against SARS CoV-2 infection in hamsters](#)
 - [Vitamin D and COVID-19 susceptibility and severity in the COVID-19 Host Genetics Initiative: A Mendelian randomization study](#)
- *Emerging Infectious Diseases*
 - [Postvaccination COVID-19 among Healthcare Workers, Israel](#)
 - [Epidemiologic Evidence for Airborne Transmission of SARS-CoV-2 during Church Singing, Australia, 2020](#)
 - [Rapid Detection of SARS-CoV-2 Variants of Concern, Including B.1.1.28/P.1, in British Columbia, Canada](#)
 - [Multisystem Inflammatory Syndrome in Adults after Mild SARS-CoV-2 Infection, Japan](#)
 - [Rapid Antigen Test for Postmortem Evaluation of SARS-CoV-2 Carriage](#)
 - [Respiratory Viral Shedding in Healthcare Workers Reinfected with SARS-CoV-2, Brazil, 2020](#)
 - [Trends in Viral Respiratory Infections During COVID-19 Pandemic, South Korea](#)
- *Journal of the American College of Dermatology*
 - [Cutaneous reactions reported after Moderna and Pfizer COVID-19 vaccination: A registry-based study of 414 cases](#)
- *International Journal of Infectious Diseases*
 - [Hydroxychloroquine as a primary prophylactic agent against sars-cov-2 infection: a cohort study](#)
- *Open Forum Infectious Diseases*
 - [Clinical features and outcomes of COVID-19 among people living with HIV in the United States: A multicenter study from a large global health research network \(TriNetX\)](#)





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- *E Clinical Medicine*
 - [Real-life validation of the Panbio™ COVID-19 antigen rapid test \(Abbott\) in community-dwelling subjects with symptoms of potential SARS-CoV-2 infection](#)
- *Journal of Antimicrobial Chemotherapy*
 - [Concordance between the results of randomized and non-randomized interventional clinical trials assessing the efficacy of drugs for COVID-19: a cross-sectional study](#)
- *Clinical Journal of the American Society of Nephrology*
 - [Risk of COVID-19 Disease, Dialysis Unit Attributes, and Infection Control Strategy among London In-Center Hemodialysis Patients](#)
- *COVID-19 Consortium Report*
 - [THE COVID STATES PROJECT: A 50-STATE COVID-19 SURVEY REPORT #49: VACCINATING AMERICA'S YOUTH](#)
- *International Journal of Environmental Research and Public Health*
 - [Public Health Workforce Burnout in the COVID-19 Response in the U.S](#)

MMWR

- [Patterns in COVID-19 Vaccination Coverage, by Social Vulnerability and Urbanicity — United States, December 14, 2020–May 1, 2021](#)
- [Excess Death Estimates in Patients with End-Stage Renal Disease — United States, February–August 2020](#)
- [COVID-19 Severity and COVID-19-Associated Deaths Among Hospitalized Patients with HIV Infection — Zambia, March–December 2020](#)
- [Impact of Policy and Funding Decisions on COVID-19 Surveillance Operations and Case Reports — South Sudan, April 2020–February 2021](#)

HOT OFF THE (LAY) PRESS

- *New York Times*
 - [Eager Teens Give Needed Boost to U.S. Vaccination Campaign](#)
 - [The U.S. inches closer to Biden's vaccination goal, making gains among teenagers and the hard-to-reach](#)
 - [70 Percent Covid Vaccination Rate May Be in Reach, New Poll Suggests](#)
 - [Covid vaccines are free in the U.S., but not everyone believes that](#)
 - [The White House outlined a plan to share 25 million vaccine doses around the world. Most will be given to Covax, a global distribution effort.](#)
 - ['Like a Dream': Latin Americans Head to U.S. for Covid Shots](#)
 - [The E.E.O.C. explains how companies can mandate vaccines for workers.](#)
 - [The World Health Organization authorizes the Sinovac vaccine for emergency use](#)
 - [President Biden pushed to investigate the origins of the coronavirus after the White House was told of unexamined intelligence, officials said.](#)
 - [Why Apple and Google's Virus Alert Apps Had Limited Success](#)
 - [A Glut of Chinese Masks Are Driving U.S. Companies Out of Business](#)
 - [Peru says its true Covid death toll is almost triple its official count.](#)
 - [C.D.C. Loosens Mask Guidance for Most Outdoor Activities at Summer Camps](#)
- *American Academy of Pediatrics News*
 - [AAP: Masks encouraged for camp, child care, school to prevent COVID-19](#)





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- *NPR*
 - [The CDC Revises Its Summer Camp Guidance, Easing Restrictions](#)
 - [Employers Can \(Mostly\) Require Vaccines For Workers Returning To The Office](#)
 - [Vietnam Detects New Highly Transmissible Coronavirus Variant](#)
 - [It's The Vaccine That's Lost A Lot Of Trust. But AstraZeneca Still Has Its Fans](#)
 - [International Travel Opens To The Vaccinated, But How Do You Prove You Got The Shot?](#)
- *Ipsos News*
 - [Global public backs COVID-19 vaccine passports for international travel](#)
- *Gallup News*
 - [U.S. Support for Vaccination Proof Varies by Activity](#)
- *The Atlantic*
 - [I'm a Pediatrician. Get Your Child Vaccinated.](#)
- *The Wall Street Journal*
 - [European Union Approves Pfizer-BioNTech Vaccine for Adolescents](#)
 - [Teachers Clear Back-to-School Hurdle for the Fall: They Want to Come Back](#)
 - [FDA, J&J Near Deal for Covid-19 Vaccine Production at Baltimore Plant](#)
 - [Covid-19 Vaccinations in the South Are Among Lowest in U.S.](#)
 - ['Open Air' Effect Gave the South a Break From Covid-19 Spring Surge](#)
- *Politico*
 - [California offering cash awards totaling \\$116.5M to get vaccinated](#)
 - [Federal gov't says employers can offer vaccine incentives](#)
 - [Why Covid rules on liquor, pot and telemedicine might last past the pandemic](#)
- *The Hill*
 - [Blinken says US will soon announce process to distribute 80 million vaccines globally](#)
- *Scientific American*
 - [Mix-and-Match COVID Vaccines Trigger Potent Immune Response](#)
- *AARP News*
 - [More Nursing Homes Are Requiring Staff COVID-19 Vaccinations](#)
- *ABC News*
 - [Long-term care advocates, worried about vulnerable residents, say plans for COVID-19 booster shots must start now](#)
 - [Why experts say COVID-19 contact tracing may be more valuable than ever.](#)
- *BBC News*
 - [Covid-19: Up to 75% of new UK cases could be Indian variant](#)
- *Reuters*
 - [U.S. opens criminal probe into alleged lapses at Eli Lilly plant](#)
 - [Japan extends COVID-19 state of emergency ahead of Games](#)
 - [Israel sees probable link between Pfizer vaccine and myocarditis cases](#)
- *Military News*
 - [Pentagon Tracking 14 Cases of Heart Inflammation in Troops After COVID-19 Shots](#)
- *New England Journal of Medicine Journal Watch*
 - [Yes, the Yankees Had a COVID-19 Outbreak Even Though They're Vaccinated — Here's Why](#)





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- *Nature News*
 - [CD8+ T cells contribute to survival in patients with COVID-19 and hematologic cancer](#)
 - [Divisive COVID 'lab leak' debate prompts dire warnings from researchers](#)
- *Science Alert*
 - [Lab or Nature? The Current Evidence For Each of The SARS-CoV-2 Origin Theories](#)
- *The Washington Post*
 - [Renewed focus on Wuhan lab scrambles the politics of the pandemic](#)
 - [Memorial Day weekend brings big travel uptick as millions take to the skies for first maskless holiday of pandemic](#)
 - [After detecting new hybrid coronavirus variant, Vietnam races to increase testing and restrictions](#)
- *National Geographic*
 - [The next phase of the U.S. pandemic? Pockets of localized outbreaks.](#)
 - [Why 'getting back to normal' may actually feel terrifying](#)
 - [Here's the latest on COVID-19 vaccines](#)
 - [How COVID-19 is changing our expectations for other vaccines](#)
 - [Can teens get vaccinated if their parents object?](#)
 - [How a village in India reached 100% vaccination in the face of misinformation and hesitancy](#)
 - [Could a distaste for broccoli indicate greater resistance to COVID-19?](#)
 - [For those in long-term care, COVID-19 compounded the weight of grief](#)
- *SciTechDaily*
 - [Artificial Intelligence Can Help Doctors Manage COVID-19](#)
 - [New Biosensor Technology Makes Coronavirus Testing Quick and Easy](#)
- *CNN*
 - [Now proven against coronavirus, mRNA can do so much more](#)
- *Sanofi Press Releases*
 - [Sanofi and GSK initiate global Phase 3 clinical efficacy study of COVID-19 vaccine candidate](#)
- *Moderna Press Releases*
 - [Moderna Announces Initiation of Rolling Submission of Biologics License Application \(BLA\) with U.S. FDA for the Moderna COVID-19 Vaccine](#)
- *Los Angeles Times*
 - [COVID-19 restrictions protected California's economy. Now it's poised for a 'euphoric' rebound](#)
 - [California bill calls for \\$7 billion in COVID-19 bonuses for healthcare workers](#)
 - [Schools face mental health crisis among students as pandemic trauma remains](#)
 - [COVID-19 origins aside, US needs to face its own pandemic failures](#)
- *KQED*
 - [Court Hearing Examines Whether San Quentin's Deadly COVID-19 Outbreak Could Have Been Prevented](#)
- *San Francisco Chronicle*
 - [Bay Area pediatricians start to give COVID shots, the next phase of vaccinations](#)
 - [No masks at work? California proposal says employees don't have to, if everyone is vaccinated](#)
 - [How large was the undercount of COVID-19 deaths across California?](#)





SAN MATEO COUNTY HEALTH

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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 June 4, 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](#)

