



## COVID-19 Digest Issue 47

March 19, 2021

### CLINICAL PEARL

- **COVID-19 vaccines safety in the general population and pregnant women:**
  - As of Feb 28, 2021, 75 million COVID-19 vaccine doses have been administered in the United States.
  - Reactogenicity profiles of mRNA vaccines in [v-safe monitoring](#) are consistent with what was observed in clinical trials.
  - Systemic and local reactions are commonly reported to [VAERS](#).
  - **Anaphylaxis** following both vaccines has been reported to VAERS, though rarely.
  - **No other safety signals for serious adverse events have been detected in VAERS.**
  - No safety concerns have been identified among the [Vaccine Safety Datalink \(VSD\) Rapid Cycle Analysis](#) prespecified outcomes as of February 13, 2021.
  - Pregnant women were not specifically included in preauthorization clinical trials of COVID-19 vaccines. Post-authorization safety monitoring and research are the primary ways to obtain safety data on COVID-19 vaccination during pregnancy.
  - **Substantial numbers of self-reported pregnant women (>30,000) have registered in v-safe.**
  - So far, the reactogenicity profile and adverse events observed among pregnant women in v-safe is not pointing to any safety problem.
  - **Most (73%) reports to VAERS among pregnant women have involved non-pregnancy specific adverse events (e.g., local and systemic reactions).**
  - **No unexpected pregnancy or infant outcomes have been observed related to COVID-19 vaccination during pregnancy.**
  - To date, miscarriage is the most frequently reported pregnancy-specific adverse event to VAERS BUT numbers are within the known background rates based on presumed COVID-19 vaccine doses administered to pregnant women.
  - Safety monitoring in pregnant women is ongoing and planned in v-safe, VAERS, VSD, and the Clinical Immunization Safety Assessment Project ([CISA](#)).

### PUBLIC HEALTH UPDATES

- [WHO adds Janssen vaccine to list of safe and effective emergency tools against COVID-19](#)
- European Medicines Agency [COVID-19 Vaccine AstraZeneca: PRAC investigating cases of thromboembolic events - vaccine's benefits currently still outweigh risks - Update](#)
- FDA Letter to Clinical Laboratory Staff, Point-of-Care Facility Staff, and Health Care Providers: [Potential for False Results with Roche Molecular Systems, Inc. cobas SARS-CoV-2 & Influenza Test for use on cobas Liat System](#)
- HHS-ASPR Public Health Emergency [Bamlanivimab Update](#)
- CDPH
  - [State Officials Announce Latest COVID-19 Facts](#)
  - [FAQ on the Outdoor and Indoor Youth and Recreational Adult Sports](#)

### GUIDANCE/GUIDELINES

- Centers for Medicare and Medicaid Services (CMS) Updates [Nursing Home Guidance QSO-20-39-NH](#) with Revised Visitation Recommendations





## COVID-19 Digest Issue 47

### RESOURCES

- CDC
  - COCA Webinar: [The Role of Telehealth in Expanding Access to Healthcare During the COVID-19 Pandemic: Considerations for Vaccine Uptake and Monitoring for Adverse Events](#)
  - [v-safe After Vaccination Health Checker](#) Now Available in [Multiple Languages](#)
  - [COVID-19 Science Update released: March 12, 2021 Edition 80](#)
  - MMWR [Weekly COVID-19 Briefing podcasts](#)
- CDC/IDSA
  - COVID-19 Clinician Call: [CDC Update on Variants; Practical Strategies for SARS-CoV-2 Testing; and Testing in Long-Term Care Settings](#)
  - COVID-19 Real-Time Learning Network: [Vaccines FAQ](#)
- IDSA:
  - Podcast: [COVID-19: The Latest on Vaccine Distribution](#)
  - Media Briefing:
    - [Back to School Indicators](#)
    - [Update on COVID-19 Treatment Guidelines](#)
- This Week in Virology (TWiV): [The kids aren't alright](#)
- Center for Infectious Disease Research and Policy (CIDRAP) Osterholm Update:
  - [Preparing for Act Three](#)
  - [A Mended Heart](#)
- Vaccine Centre at the London School of Hygiene & Tropical Medicine [COVID-19 Vaccine Tracker](#)
- The [Helix COVID-19 Surveillance Dashboard](#) for SARS-CoV-2 variants

### ACADEMIC/RESEARCH PAPERS

- *medRxiv*
  - [Age-dependent immune response to the Biontech/Pfizer BNT162b2 COVID-19 vaccination](#)
  - [Just 2% of SARS-CoV-2-positive individuals carry 90% of the virus circulating in communities](#)
  - [Bamlanivimab does not neutralize two SARS-CoV-2 variants carrying E484K in vitro](#)
  - [Persistent SARS-CoV-2 infection and increasing viral variants in children and young adults with impaired humoral immunity](#)
  - [Emergence of multiple SARS-CoV-2 mutations in an immunocompromised host](#)
- *Nature*
  - [SARS-CoV-2 evolution during treatment of chronic infection](#)
  - [Attributes and predictors of long COVID](#)
  - [Increased mortality in community-tested cases of SARS-CoV-2 lineage B.1.1.7](#)
  - [A global survey of potential acceptance of a COVID-19 vaccine](#)
- *New England Journal of Medicine*
  - [Efficacy of the ChAdOx1 nCoV-19 Covid-19 Vaccine against the B.1.351 Variant](#)
  - [Serum Neutralizing Activity Elicited by mRNA-1273 Vaccine](#)
  - [The Devastating Impact of Covid-19 on Individuals with Intellectual Disabilities in the United States](#)
- *Vaccine*
  - [Perspectives on the receipt of a COVID-19 vaccine: A survey of employees in two large hospitals in Philadelphia](#)





## COVID-19 Digest Issue 47

- *Lancet*
  - [Single-dose administration and the influence of the timing of the booster dose on immunogenicity and efficacy of ChAdOx1 nCoV-19 \(AZD1222\) vaccine: a pooled analysis of four randomised trials](#)
  - [Safety and immunogenicity of an inactivated SARS-CoV-2 vaccine, BBV152: interim results from a double-blind, randomised, multicentre, phase 2 trial, and 3-month follow-up of a double-blind, randomised phase 1 trial](#)
  - [Vaccine after Effects and Post-Vaccine Infection in a Real World Setting: Results from the COVID Symptom Study App](#)
  - [An interactive website tracking COVID-19 vaccine development](#)
  - [Adjuvantation helps to optimise COVID-19 vaccine candidate](#)
  - [Alternatives to conventional hospitalisation that enhance health systems' capacity to treat COVID-19](#)
  - [Assessment of protection against reinfection with SARS-CoV-2 among 4 million PCR-tested individuals in Denmark in 2020: a population-level observational study](#)
  - [Chilblain-like acral lesions in long COVID-19: management and implications for understanding microangiopathy](#)
- *JAMA*
  - [Immunogenicity of the Ad26.COV2.S Vaccine for COVID-19](#)
  - [Immunogenicity of a Single Dose of SARS-CoV-2 Messenger RNA Vaccine in Solid Organ Transplant Recipients](#)
  - [Acute Allergic Reactions to mRNA COVID-19 Vaccines](#)
  - [Neurologic Involvement in Children and Adolescents Hospitalized in the United States for COVID-19 or Multisystem Inflammatory Syndrome](#)
  - [Association of Acute Symptoms of COVID-19 and Symptoms of Depression in Adults](#)
  - [Assessment of Acute Kidney Injury and Longitudinal Kidney Function After Hospital Discharge Among Patients With and Without COVID-19](#)
  - [Four-Month Clinical Status of a Cohort of Patients After Hospitalization for COVID-19](#)
- *Science*
  - [Antibody-Dependent Enhancement and the Coronavirus Vaccines](#)
  - [Epidemiological dynamics of enterovirus D68 in the United States and implications for acute flaccid myelitis](#)
- *Annals of Internal Medicine*
  - [Antibody Response After SARS-CoV-2 Infection and Implications for Immunity](#)
  - [What Is the Antibody Response and Role in Conferring Natural Immunity After SARS-CoV-2 Infection? Rapid, Living Practice Points From the American College of Physicians \(Version 1\)](#)
  - [Clinical and Economic Effects of Widespread Rapid Testing to Decrease SARS-CoV-2 Transmission](#)
- *Emerging Infectious Diseases*
  - [Clinical Evaluation of Roche SD Biosensor Rapid Antigen Test for SARS-CoV-2 in Municipal Health Service Testing Site, the Netherlands](#)
- *Clinical Infectious Diseases*
  - [Effectiveness of three versus six feet of physical distancing for controlling spread of COVID-19 among primary and secondary students and staff: A retrospective, state-wide cohort study](#)
  - [Household SARS-CoV-2 transmission and children: a network prospective study](#)
  - [Transmission of SARS-CoV-2 infection among children in summer schools applying stringent control measures in Barcelona, Spain](#)





## COVID-19 Digest Issue 47

- [Transmission of SARS-CoV-2 from asymptomatic and presymptomatic individuals in healthcare settings despite medical masks and eye protection](#)
- [Impact of the COVID-19 Vaccine on Asymptomatic Infection Among Patients Undergoing Pre-Procedural COVID-19 Molecular Screening](#)
- *BMJ*
  - [Early initiation of prophylactic anticoagulation for prevention of coronavirus disease 2019 mortality in patients admitted to hospital in the United States: cohort study](#)
- *Cleveland Clinic Journal of Medicine*
  - [Severe thrombocytopenia in a patient with otherwise asymptomatic COVID-19](#)
- *International Journal of Infectious Diseases*
  - [Coinfection of tuberculosis and COVID-19 limits the ability to in vitro respond to SARS-CoV-2](#)
- *The Journal of Infectious Diseases*
  - [Prevention of COVID-19 among older adults receiving pneumococcal conjugate vaccine suggests interactions between \*Streptococcus pneumoniae\* and SARS-CoV-2 in the respiratory tract](#)
- *Kidney International*
  - [Acute kidney injury in pediatric patients hospitalized with acute COVID-19 and multisystem inflammatory syndrome in children associated with COVID-19](#)
- *Obstetrics and Gynecology*
  - [Severe Acute Respiratory Syndrome Coronavirus 2 \(SARS-CoV-2\) Antibodies in Neonatal Cord Blood After Vaccination in Pregnancy](#)
- *PLOS*
  - [Prevalence of depression, anxiety and post-traumatic stress disorder in health care workers during the COVID-19 pandemic: A systematic review and meta-analysis](#)
  - [The effects of wearing facemasks on oxygenation and ventilation at rest and during physical activity](#)
- *European Respiratory Journal*
  - [“You can leave your mask on”: effects on cardiopulmonary parameters of different airway protection masks at rest and during maximal exercise](#)
- *Open Forum Infectious Diseases*
  - [Do Stay at Home Orders and Cloth Face Coverings Control COVID-19 in New York City? Results From a SIER Model Based on Real-world Data](#)
- *Journal of Pharmaceutical Sciences*
  - [Addressing the Cold Reality of mRNA Vaccine Stability](#)
- *Center for Infectious Diseases Research and Policy*
  - [Reassessing COVID-19 Vaccine Deployment in Anticipation of a US B.1.1.7 Surge: Stay the Course or Pivot?](#)
- *PEW*
  - [Could Efforts to Fight the Coronavirus Lead to Overuse of Antibiotics?](#)
  - [Growing Share of Americans Say They Plan To Get a COVID-19 Vaccine – or Already Have](#)
- *Kaiser Family Foundation*
  - [The Next Phase of Vaccine Distribution: High-Risk Medical Conditions](#)
- *Canada National Advisory Committee on Immunization (NACI)*
  - [Extended dose intervals for COVID-19 vaccines to optimize early vaccine rollout and population protection in Canada](#)





## COVID-19 Digest Issue 47

### MMWR

- [COVID-19 Vaccine Second-Dose Completion and Interval Between First and Second Doses Among Vaccinated Persons — United States, December 14, 2020–February 14, 2021](#)
- [Effectiveness of the Pfizer-BioNTech COVID-19 Vaccine Among Residents of Two Skilled Nursing Facilities Experiencing COVID-19 Outbreaks — Connecticut, December 2020–February 2021](#)
- [County-Level COVID-19 Vaccination Coverage and Social Vulnerability — United States, December 14, 2020–March 1, 2021](#)
- [Association of Children’s Mode of School Instruction with Child and Parent Experiences and Well-Being During the COVID-19 Pandemic — COVID Experiences Survey, United States, October 8–November 13, 2020](#)
- [Minimal SARS-CoV-2 Transmission After Implementation of a Comprehensive Mitigation Strategy at a School — New Jersey, August 20–November 27, 2020](#)
- [Notes from the Field: SARS-CoV-2 Transmission Associated with High School Football Team Members — Florida, September–October 2020](#)

### HOT OFF THE (LAY) PRESS

- *The White House Press Release*
  - [President Biden to Announce All Americans to be Eligible for Vaccinations by May 1, Puts the Nation on a Path to Get Closer to Normal by July 4th](#)
- *HHS Press Release*
  - [Biden Administration Takes Action Through HHS to Increase Number of Vaccinators](#)
- *NYU News Hub*
  - [Patients Recovered from COVID-19 May Require Just One Dose of mRNA Vaccine](#)
- *Healio*
  - [Final analysis shows Novavax COVID-19 vaccine 100% protective against severe disease](#)
  - [European countries halt AstraZeneca vaccine rollout](#)
- *The Guardian*
  - [Netherlands joins Ireland in vaccine suspension over blood clot concerns](#)
- *Reuters*
  - [AstraZeneca to seek U.S. authorization for COVID-19 vaccine this month or early next](#)
  - [Canada sure that all COVID-19 vaccines are safe, including AstraZeneca doses](#)
  - [Ocugen plans to sell 100 mln Indian vaccine doses in U.S. in 2021](#)
  - [Vaccine 'revolution' could see shots for next pandemic in 100 days](#)
  - [The ex-Pfizer scientist who became an anti-vax hero](#)
  - [U.S. limits supply of Eli Lilly's COVID-19 antibody therapy in three states](#)
- *Medpage Today*
  - [AstraZeneca Vaccine Unfairly Under Fire Over Clot Risk?](#)
  - [Why Women Experience COVID and the Vaccines Differently Than Men](#)
- *New York Times*
  - [The AstraZeneca vaccine was declared safe by the E.U. drug regulator. A wave of countries had suspended its use over fears about rare side effects.](#)
  - [Germany, France and Italy paused use of AstraZeneca’s vaccine over concerns that it might be tied to blood clots. Experts haven’t found a causal link.](#)
  - [AstraZeneca Concerns Throw Europe’s Vaccine Rollout Into Deeper Disarray](#)
  - [The U.S. is sending millions of surplus doses of the AstraZeneca vaccine to Mexico and Canada, officials said.](#)





## COVID-19 Digest Issue 47

- [Black and Hispanic Communities Grapple With Vaccine Misinformation](#)
- [Plenty of Vaccines, but Not Enough Arms: A Warning Sign in Cherokee Nation](#)
- [Clergy Preach Faith in the Covid Vaccine to Doubters](#)
- [Hunting for a Leftover Vaccine? This Site Will Match You With a Clinic.](#)
- [Coronavirus Reinfections Are Rare, Danish Researchers Report](#)
- [‘A saving grace’: Stimulus payments begin to arrive in bank accounts](#)
- [Small Piece of the Stimulus Has Ambitious Aim of Saving Mothers’ Lives](#)
- [The pandemic has been a story of two lines — haves and have-nots — moving in different directions](#)
- [How America’s Covid-19 Nightmare Ends](#)
- [The Pandemic and the Limits of Science. What have we learned from the year that lasted a century?](#)
- [Mental health crisis affecting young people needs immediate attention, report says](#)
- *AP News*
  - [Global rise in childhood mental health issues amid pandemic](#)
  - [Medically vulnerable in US put near end of vaccine line](#)
- *Kaiser Health News*
  - [Covid Cases Plummet 83% Among Nursing Home Staffers Despite Vaccine Hesitancy](#)
- *Boston Globe*
  - [Fauci says vaccine hesitancy among Republicans poses a risk: ‘I just don’t get it’](#)
- *Foreign Affairs*
  - [The Pandemic That Won’t End – COVID-19 Variants and the Peril of Vaccine Inequity](#)
- *The New Yorker*
  - [Why COVID-19 Vaccines Aren’t Yet Available to Everyone](#)
  - [Why Learning Pods May Outlast the Pandemic](#)
- *NPR*
  - [CDC Looks At Whether 3 Feet — Instead Of 6 — Is Safe For Schools' Social Distancing](#)
  - [Moderna Gives First Vaccine Shots To Young Kids As Part Of COVID-19 Study](#)
  - [Little Difference In Vaccine Hesitancy Among White And Black Americans, Poll Finds](#)
  - [Defense Production Act Speeds Up Vaccine Production](#)
  - [Hospital Emergency Rooms Struggle With Overdose Spike During Pandemic](#)
  - [WHO Points To Wildlife Farms In Southern China As Likely Source Of Pandemic](#)
- *The Hill*
  - [YouTube removed 30,000 videos with vaccine misinformation](#)
- *STAT News*
  - [The White House is set to unveil a wide-reaching, billion-dollar campaign aimed at convincing every American to get vaccinated](#)
- *JAMA Medical News and Perspectives*
  - [COVID-19 Vaccines vs Variants—Determining How Much Immunity Is Enough](#)
  - [Experts Discuss COVID-19—Vaccine Questions, School Openings, and More](#)
- *Business Wire*
  - [First Participants Dosed in Phase 1 Study Evaluating mRNA-1283, Moderna’s Next Generation COVID-19 Vaccine](#)
- *Science Speaks: Global ID News*
  - [First multivalent vaccine with a variant \(B.1.351\) begins: Will it protect against other E484K variants?](#)





## COVID-19 Digest Issue 47

- *The Economist*
  - [Papers, please - Are vaccine passports a good idea?](#)
  - [Age or illness: estimating covid-19 risk](#)
- *The Washington Post*
  - [The Health 202: The U.S. bought enough coronavirus vaccines for three times its adult population](#)
  - [Massive Facebook study on users' doubt in vaccines finds a small group appears to play a big role in pushing the skepticism](#)
  - ['An accelerated cauldron of evolution': Covid-19 patients with cancer, HIV, may play a role in emergence of variants](#)
  - [Coronavirus medical mystery: Baby with high viral load puzzles researchers](#)
  - [CDC identifies public-health guidance from the Trump administration that downplayed pandemic severity](#)
  - [Duke University under a mandatory schoolwide quarantine amid frat party-linked coronavirus surge](#)
  - [Unmasked spring breakers are descending on Florida. Officials are begging them to behave.](#)
- *Houston Health Department News*
  - [More Contagious Variant Of Virus That Causes COVID-19 Widespread In Houston Wastewater](#)
- *Minnesota Department of Health News*
  - [State announces COVID-19 testing site in Carver County, urges testing to combat B117 variant – Chanhassen pop-up will offer saliva testing to all](#)
- *KQED*
  - [More CVS Stores to Offer Vaccine Appointments Starting Saturday](#)
- *Los Angeles Times*
  - [California releases details on how millions can get COVID-19 vaccinations beginning Monday](#)
  - [Millions more Californians will be eligible for COVID-19 vaccine. But they face obstacles.](#)
  - [Some COVID-19 vaccine doses are going to waste. But just how many?](#)
  - [California hits target of 2 million vaccines in low-income areas, clearing way for reopenings.](#)
- *The Mercury News*
  - [San Mateo could be first Bay Area county in orange tier](#)
  - [This San Mateo County community went from 10 coronavirus cases to 551 overnight](#)
  - [How the Bay Area's COVID response failed Latinos](#)
  - [Why the 2nd shot makes you feel lousy](#)
  - [A Stanford scientist's quest to cure his son could help unravel the mystery of Covid-19 long haulers](#)
  - [When will we declare victory over COVID-19?](#)
  - [Another case of South African COVID-19 variant found in Santa Clara County](#)
- *San Francisco Chronicle*
  - [First case of worrisome coronavirus variant from Brazil found in California](#)
  - [California health officials promote Johnson & Johnson vaccine as first doses reach Bay Area](#)
  - [Report shows California lagging most states in vaccination equity](#)
  - [Bay Area counties take scattershot approach to vaccinating homeless people against COVID-19](#)
  - [How to know if your BMI qualifies you for a vaccine in San Francisco now](#)
  - [They ordered the Bay Area to shut down. Then came the hard part](#)
  - [A year in the pandemic: How we failed, how we adapted, and what lies ahead](#)
  - [Counting the Bay Area's lost lives during the pandemic](#)





SAN MATEO COUNTY HEALTH

## PUBLIC HEALTH, POLICY & PLANNING

### COVID-19 Digest Issue 47

Dr. Scott Morrow, Health Officer  
Cassius Lockett, PhD, Director

Public Health, Policy & Planning  
225 37th Avenue  
San Mateo, CA 94403  
smchealth.org

#### EPIDEMIOLOGY UPDATES

- **CDC COVID Data Tracker**
  - [CDC COVID-19 Forecasts: Deaths](#)
  - [United States COVID-19 Cases and Deaths by State](#)
  - [CDC COVID Data Tracker: Vaccinations](#)
  - [CDC US COVID-19 Cases Caused by Variants](#)
- **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 March 19, 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](#)
- [CDC COVID Data Tracker](#)

