CLINICAL PEARLS

• Real-world efficacy of the two mRNA-based vaccines available in the US: According to Mayo Clinic researchers reporting on the administration of 94,382 doses of mRNA COVID-19 vaccine to 49,220 health care providers who had not experienced prior SARS-CoV-2 infection, the effectiveness following two doses of mRNA vaccine exceeded 96%. After a single dose (an analysis from a much smaller group), efficacy was 78%. These results validate the high degree of efficacy of the mRNA vaccines from Pfizer/BioNTech and Moderna, far exceeding the initial requirements of 50% efficacy and the even optimistic expert hopes for 70% efficacy.

• Scottish researchers have demonstrated that even a single dose of a two-dose vaccine schedule is highly effective at reducing hospitalization for COVID-19, especially among the elderly. Publishing in The Lancet, researchers describe the results of early vaccine efforts between Dec 8, 2020, and Feb 22, 2021. A total of 1,331,993 people, with a mean age 65.0 years, were vaccinated over this time. The first dose of the Pfizer/BioNTech mRNA vaccine was associated with a vaccine effect of 91% for reduced COVID-19 hospital admission at 28-34 days post-vaccination. Vaccine effect at the same time interval for the Oxford/AstraZeneca vaccine was 88%. Results of combined vaccine effects against hospital admission due to COVID-19 were similar when restricting the analysis to those aged 80 years and older (83%, at 28-34 days post-vaccination).

PUBLIC HEALTH UPDATES

• FDA and CDC Lift Recommended Pause on Johnson & Johnson (Janssen) COVID-19 Vaccine Use Following Thorough Safety Review
• WHO Statement of the Strategic Advisory Group of Experts (SAGE) on Immunization: Continued review of emerging evidence on AstraZeneca COVID-19 Vaccines
• NIH
  • Clinical trial of therapeutics for severely ill hospitalized COVID-19 patients begins
  • COVID-19 vaccine responses to be studied in people with immune deficits

GUIDANCE/GUIDELINES

• CDC
  • Interim Public Health Recommendations for Fully Vaccinated People
  • Guidance for Operating Youth and Summer Camps During COVID-19
  • Choosing Safer Activities
• CDPH
  • FACT SHEET: Johnson & Johnson COVID-19 Vaccine Benefits and Risks
  • Johnson & Johnson COVID-19 Vaccine
• American College of Rheumatology COVID-19 Vaccine Clinical Guidance Summary for Patients with Rheumatic and Musculoskeletal Diseases
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RESOURCES

- CDC
  - COCA Call: Johnson & Johnson/Janssen COVID-19 Vaccine and Thrombosis with Thrombocytopenia Syndrome (TTS): Update for Clinicians
  - Emerging Infectious Diseases Podcast: COVID-19 in and out of Hospitals, Atlanta, Georgia
  - COVID-19 Science Update
  - Immunization MMWRs
- CDC/IDSA
  - COVID-19 Clinician Call: Multisystem Inflammatory Syndrome in Adults (MIS-A); Plus ACIP Meeting Update
- IDSA Media Briefing: COVID Trends & Life After Vaccination
- HHS COMBATCOVID
- WHO Coronavirus (COVID-19) Dashboard
- Our World in Data Coronavirus (COVID-19) Vaccinations
- GISAID Tracking of Variants
- Collaborative COVID-19 Literature Review Synopses (CoCOLRS) Database Main COVID-19 Literature Collection
- The National Academies of Sciences, Engineering, Medicine UNDERSTANDING AND COMMUNICATING VACCINE EFFICACY AND EFFECTIVENESS
- Center for Infectious Disease Research and Policy
  - Osterholm Update: COVID-19 Episode 52 A Balancing Act Continued
- Castleman Disease Collaborative Network CORONA (COVID19 Registry of Off-label & New Agents) Project
- California Medical Association Virtual Grand Rounds: COVID-19 Clinical Updates
- Stanford Department of Medicine Grand Rounds From the Front Lines in India
- TEDMED Heidi Larson Rumors, trust and vaccines

ACADEMIC/RESEARCH PAPERS

- Public Health England
  - Impact of vaccination on household transmission of SARS-COV-2 in England
- bioRxiv
  - B.1.526 SARS-CoV-2 variants identified in New York City are neutralized by vaccine-elicited and therapeutic monoclonal antibodies
  - Detection and characterization of the SARS-CoV-2 lineage B.1.526 in New York
  - Neutralization of variant under investigation B.1.617 with sera of BBV152 vaccinees
  - The SARS-CoV-2 mRNA-1273 vaccine elicits more RBD-focused neutralization, but with broader antibody binding within the RBD
  - An ancient viral epidemic involving host coronavirus interacting genes more than 20,000 years ago in East Asia
- medRxiv
  - Impact of vaccination on SARS-CoV-2 cases in the community: a population-based study using the UK’s COVID-19 Infection Survey
  - Real World Effectiveness of COVID-19 mRNA Vaccines against Hospitalizations and Deaths in the United States
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- **Lancet**
  - COVID-19 vaccine coverage in health-care workers in England and effectiveness of BNT162b2 mRNA vaccine against infection (SIREN): a prospective, multicentre, cohort study
  - First dose of BNT162b2 mRNA vaccine in a Health Care Worker cohort is associated with reduced symptomatic and asymptomatic SARS-CoV-2 infection
  - Vaccine side-effects and SARS-CoV-2 infection after vaccination in users of the COVID Symptom Study app in the UK: a prospective observational study
  - Symptom study app provides real-world data on COVID-19 vaccines
  - Interim findings from first-dose mass COVID-19 vaccination roll-out and COVID-19 hospital admissions in Scotland: a national prospective cohort study
  - Hospital admissions due to COVID-19 in Scotland after one dose of vaccine
  - Associations between body-mass index and COVID-19 severity in 6.9 million people in England: a prospective, community-based, cohort study
  - New insights into the association between body-mass index and severe COVID-19

- **Epidemiology and Infection**
  - Obesity is a strong risk factor for short-term mortality and adverse outcomes in Mexican patients with COVID-19: A national observational study

- **Frontiers in Immunology**
  - Acute Transverse Myelitis (ATM): Clinical Review of 43 Patients With COVID-19-Associated ATM and 3 Post-Vaccination ATM Serious Adverse Events With the ChAdOx1 nCoV-19 Vaccine (AZD1222)

- **Cleveland Journal of Medicine**
  - Anaphylaxis to vaccinations: A review of the literature and evaluation of the COVID-19 mRNA vaccinations
  - Bronchoscopy challenges during the COVID-19 pandemic
  - Promoting resiliency in adolescents during a pandemic: A guide for clinicians and parents

- **JAMA**
  - Maternal and Neonatal Morbidity and Mortality Among Pregnant Women With and Without COVID-19 Infection - The INTERCOVID Multinational Cohort Study
  - Association of Maternal SARS-CoV-2 Infection in Pregnancy With Neonatal Outcomes
  - Understanding Risk for Newborns Born to SARS-CoV-2–Positive Mothers
  - Genomic Epidemiology of SARS-CoV-2 Infection During the Initial Pandemic Wave and Association With Disease Severity
  - Association of Facial Paralysis With mRNA COVID-19 Vaccines – A Disproportionality Analysis Using the World Health Organization Pharmacovigilance Database
  - SARS-CoV-2 Transmission Risk Among National Basketball Association Players, Staff, and Vendors Exposed to Individuals With Positive Test Results After COVID-19 Recovery During the 2020 Regular and Postseason
  - COVID-19 Lessons From the National Basketball Association Bubble—Can Persistently SARS-CoV-2–Positive Individuals Transmit Infection to Others?
  - Effect of Early Treatment With Hydroxychloroquine or Lopinavir and Ritonavir on Risk of Hospitalization Among Patients With COVID-19 - The TOGETHER Randomized Clinical Trial
  - Acute Ischemic Stroke During the Convalescent Phase of Asymptomatic COVID-2019 Infection in Men
  - Remote Research and Clinical Trial Integrity During and After the Coronavirus Pandemic
  - Hand Hygiene Compliance Rate During the COVID-19 Pandemic
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- **The Pandemic Stay-at-Home Order and Opioid-Involved Overdose Fatalities**
- **Journal of Virology**
  - Correlates of Neutralization Against SARS-CoV-2 Variants of Concern by Early Pandemic Sera
- **Nature**
  - Single-cell multi-omics analysis of the immune response in COVID-19
  - High-dimensional characterization of post-acute sequelae of COVID-19
- **The Journal of Experimental Medicine**
  - Highly functional virus-specific cellular immune response in asymptomatic SARS-CoV-2 infection
- **Pediatrics**
  - Socioeconomic and Racial and/or Ethnic Disparities in Multisystem Inflammatory Syndrome
- **Annals of Internal Medicine**
  - Performance Evaluation of Serial SARS-CoV-2 Rapid Antigen Testing During a Nursing Home Outbreak
  - Utility of Rapid Antigen Tests in Nursing Homes
  - Update Alert 8: Risks and Impact of Angiotensin-Converting Enzyme Inhibitors or Angiotensin-Receptor Blockers on SARS-CoV-2 Infection in Adults
- **New England Journal of Medicine**
  - Platform Trials — Beware the Noncomparable Control Group
- **PLOS**
  - A human coronavirus evolves antigenically to escape antibody immunity
  - High-throughput, single-copy sequencing reveals SARS-CoV-2 spike variants coincident with mounting humoral immunity during acute COVID-19
  - A cross-national study of factors associated with women’s perinatal mental health and wellbeing during the COVID-19 pandemic
- **BMJ**
  - Infection and mortality of healthcare workers worldwide from COVID-19: a systematic review
  - Shift work is associated with positive COVID-19 status in hospitalised patients
  - Use of symptom checkers for COVID-19-related symptoms among university students: a qualitative study
  - Antibody response to a single dose of SARS-CoV-2 mRNA vaccine in patients with rheumatic and musculoskeletal diseases
  - Infliximab is associated with attenuated immunogenicity to BNT162b2 and ChAdOx1 nCoV-19 SARS-CoV-2 vaccines in patients with IBD
- **Clinical Infectious Diseases**
  - Effectiveness of mRNA COVID-19 vaccines against SARS-CoV-2 infection in a cohort of healthcare personnel
  - Widespread SARS-CoV-2 Transmission Among Attendees at a Large Motorcycle Rally and their Contacts, 30 US Jurisdictions, August–September, 2020
  - Transmission of SARS-CoV-2 on a Patient Transport Van
- **The Journal of Infectious Diseases**
  - Outdoor Transmission of SARS-CoV-2 and Other Respiratory Viruses: A Systematic Review
- **International Journal of Infectious Diseases**
  - Isolation of SARS-CoV-2 from the air in a car driven by a COVID patient with mild illness
- **Emerging Infectious Diseases**
  - SARS-CoV-2 in Nursing Homes after 3 Months of Serial, Facilitywide Point Prevalence Testing, Connecticut, USA

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- Prevalence and Clinical Profile of Severe Acute Respiratory Syndrome Coronavirus 2 Infection among Farmworkers, California, USA, June–November 2020
- Epidemiologic Findings from Case Investigations and Contact Tracing for First 200 Cases of Coronavirus Disease, Santa Clara County, California, USA
- Racial and Ethnic Disparities in Incidence of SARS-CoV-2 Infection, 22 US States and DC, January 1–October 1, 2020
- Detecting COVID-19 Clusters at High Spatiotemporal Resolution, New York City, New York, USA, June–July 2020
- SARS-CoV-2 Serial Interval Variation, Montana, USA, March 1–July 31, 2020
- Coordinated Strategy for a Model-Based Decision Support Tool for Coronavirus Disease, Utah, USA
- Coccidioidomycosis and COVID-19 Co-Infection, United States, 2020
- Susceptibility to SARS-CoV-2 of Cell Lines and Substrates Commonly Used to Diagnose and Isolate Influenza and Other Viruses
- Herd Immunity against Severe Acute Respiratory Syndrome Coronavirus 2 Infection in 10 Communities, Qatar
- Genetic Evidence and Host Immune Response in Persons Reinfected with SARS-CoV-2, Brazil
- Genomic Evidence of SARS-CoV-2 Reinfection Involving E484K Spike Mutation, Brazil
- Use of Genomics to Track Coronavirus Disease Outbreaks, New Zealand
- Detecting Rapid Spread of SARS-CoV-2 Variants, France, January 26–February 16, 2021
- Novel SARS-CoV-2 Variant Derived from Clade 19B, France
- Risk for International Importations of Variant SARS-CoV-2 Originating in the United Kingdom
- Introduction of ORF3a-Q57H SARS-CoV-2 Variant Causing Fourth Epidemic Wave of COVID-19, Hong Kong, China
- Undocumented Migrants Reintroducing COVID-19, Yunnan Province, China
- Novel Mutation of SARS-CoV-2, Vietnam, July 2020
- Successful Control of an Onboard COVID-19 Outbreak Using the Cruise Ship as a Quarantine Facility, Western Australia, Australia
- Transmission of Severe Acute Respiratory Syndrome Coronavirus 2 during Border Quarantine and Air Travel, New Zealand (Aotearoa)
- Upper Respiratory Infections in Schools and Childcare Centers Reopening after COVID-19 Dismissals, Hong Kong
- Multisystem Inflammatory Syndrome in Children, Chile, May–August 2020
- Symptom Diary–Based Analysis of Disease Course among Patients with Mild Coronavirus Disease, Germany, 2020
- COVID-19 Co-infection with Legionella pneumophila in 2 Tertiary-Care Hospitals, Germany
- Monitoring SARS-CoV-2 Circulation and Diversity through Community Wastewater Sequencing, the Netherlands and Belgium
- Clinical Evaluation of Roche SD Biosensor Rapid Antigen Test for SARS-CoV-2 in Municipal Health Service Testing Site, the Netherlands
- Serologic Screening of Severe Acute Respiratory Syndrome Coronavirus 2 Infection in Cats and Dogs during First Coronavirus Disease Wave, the Netherlands

- Gastroenterology
- Serological response to mRNA COVID-19 vaccines in IBD patients receiving biological therapies
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- Journal of the American College of Cardiology
  - New Heart Failure Diagnoses Among Patients Hospitalized for COVID-19
  - Prognostic Value of Electrocardiographic QRS Diminution in Patients With COVID-19
- Pain Reports
  - Potential for increased prevalence of neuropathic pain after the COVID-19 pandemic
- Diabetologia
  - Risk phenotypes of diabetes and association with COVID-19 severity and death: a living systematic review and meta-analysis
- International Journal of Allergy and Rhinology
  - Systemic corticosteroids in coronavirus disease 2019 (COVID-19)-related smell dysfunction: an international view
- The Journal of Allergy and Clinical Immunology
  - COVID-19 Vaccination in Patients with Reported Allergic Reactions: Updated Evidence and Suggested Approach
- Journal of Acquired Immune Deficiency Syndrome
  - COVID-19 Related Medical Mistrust, Health Impacts, and Potential Vaccine Hesitancy Among Black Americans Living With HIV
- North Carolina Medical Journal
  - Vaccine Hesitancy in North Carolina: The Elephant in the Room?
- Nanoscale
  - Microchip-based structure determination of low-molecular weight proteins using cryo-electron microscopy
- Wakefield Research
  - SCAN Health Plan Survey QuickRead Report

MMWR

- Effectiveness of Pfizer-BioNTech and Moderna Vaccines Against COVID-19 Among Hospitalized Adults Aged ≥65 Years — United States, January–March 2021
- Updated Recommendations from the Advisory Committee on Immunization Practices for Use of the Janssen (Johnson & Johnson) COVID-19 Vaccine After Reports of Thrombosis with Thrombocytopenia Syndrome Among Vaccine Recipients — United States, April 2021
- Safety Monitoring of the Janssen (Johnson & Johnson) COVID-19 Vaccine — United States, March–April 2021
- Linked Clusters of SARS-CoV-2 Variant B.1.351 — Maryland, January–February 2021
- COVID-19 Outbreak Among Farmworkers — Okanogan County, Washington, May–August 2020
- COVID-19 Among Workers in the Seafood Processing Industry: Implications for Prevention Measures — Alaska, March–October 2020
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HOT OFF THE (LAY) PRESS

- **WHO Statements**
  - More Europeans now vaccinated against COVID-19 than have had the virus
  - Statement of the Strategic Advisory Group of Experts (SAGE) on Immunization: Continued review of emerging evidence on AstraZeneca COVID-19 Vaccines

- **European Medicines Agency Statements**
  - EMA and ECDC join forces for enhanced post-marketing monitoring of COVID-19 vaccines in Europe

- **Public Health England Press Releases**
  - One dose of COVID-19 vaccine can cut household transmission by up to half

- **The White House Statements and Releases**
  - President Biden to Call on All Employers to Provide Paid Time Off for Employees to Get Vaccinated After Meeting Goal of 200 Million Shots in the First 100 Days
  - Biden-Harris Administration Delivers Emergency COVID-19 Assistance for India

- **US Department of State**
  - National Interest Exceptions for Certain Travelers from China, Iran, Brazil, South Africa, Schengen Area, United Kingdom, and Ireland

- **New York Times**
  - The F.D.A. ended its recommended pause on the J.&J. vaccine, clearing the way for states to use it again.
  - The Biden administration is expected to share AstraZeneca doses with other nations after a safety review.
  - U.S. Is Under Pressure to Release Vaccine Supplies as India Faces Deadly Surge
  - Vaccines Are Effective Against the New York Variant, Studies Find
  - Millions Are Skipping Their Second Doses of Covid Vaccines
  - A troubled vaccine manufacturer, Emergent BioSolutions, projects record revenues.
  - How Pfizer Makes Its Covid-19 Vaccine
  - In U.S., Virus Cases Have Recently Dropped in Over Half of States
  - Covid on the Border: Migrants Aren’t Tested on Arrival in U.S.
  - Michigan’s Covid Wards Are Filling Up With Younger Patients
  - Patients With Long Covid Face Lingering Worrisome Health Risks, Study Finds
  - How Covid Upended a Century of Patterns in U.S. Deaths
  - Is a variant to blame for India’s deepening Covid-19 crisis?
  - E.U. Set to Let Vaccinated U.S. Tourists Visit This Summer
  - 100 U.S. colleges will require vaccinations to attend in-person classes in the fall.
  - No Burning Man festival again this year because of the pandemic, organizers say.
  - Joy, Love, Grief: What It Looks Like When Families Reunite
  - The C.D.C. eased mask-wearing advice for vaccinated people outdoors, but stopped short of saying the masks can be shed altogether.
  - Mask On or Off? Life Is Getting Back to Normal, and We’re Rusty.

- **The Washington Post**
  - CDC says fully vaccinated Americans can go without masks outdoors, except in crowded settings
  - Vaccinated? Great. But wear a mask when indoors or in crowds, experts say.
  - The public’s concerns over the Johnson & Johnson coronavirus vaccine is widespread, Post-ABC poll finds
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- **Opinion**: It’s good to resume the J&J vaccine. But younger women should be warned against it.
- **Widespread coronavirus surveillance testing at schools is a bad idea**
- **Burned out by their profession, 3 in 10 health-care workers consider leaving the profession**

**Politico**
- Bidenworld fears many vaccine skeptics may be unreachable. They’re trying anyway.
- HHS secretary: ‘A lot of folks would listen’ if Trump made vaccine PSA
- States have a new Covid problem: Too much vaccine

**Kaiser Family Foundation**
- Supply vs Demand: When Will the Scales Tip on COVID-19 Vaccination in the U.S?

**The Hill**
- Biden, Harris, Harry and Meghan added to ‘Vax Live: The Concert to Reunite the World’

**AP News**
- Biden pledges to help India amid worsening crisis; U.S. to share 60 million vaccine doses with the world
- COVID-19 hospitalizations tumble among US senior citizens

**Delaware News Journal**
- It all starts with a knock for this Delaware doctor taking COVID-19 vaccinations to doorsteps

**Forbes**
- ‘It’s A Real Lifesaver’: Trump Gives Strongest Endorsement Of Covid-19 Vaccines Yet

**Endpoint News**
- Moderna turbocharges its supply chain, upping commitment to 3B doses per year for a future where boosters are likely

**Fierce Pharma**
- Just how much COVID-19 vaccine money is on the table? A whopping $157B through 2025, report says

**National Geographic**
- Coronavirus in the U.S.: Where cases are growing and declining

**NBC News**
- In Michigan, a record-breaking number of children have been hospitalized with Covid

**KATU News**
- 15 Oregon counties move into 'extreme' risk category, Governor Brown says

**9News**
- COVID case rates spiking among children, much higher in counties with low vaccination rates

**Intelligencer**
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**Nature News**
- COVID vaccines and kids: five questions as trials begin
- One million coronavirus sequences: popular genome site hits mega milestone

**The Atlantic**
- We Are Turning COVID-19 Into a Young Person’s Disease

**CNBC**
- Pfizer’s new at-home pill to treat Covid could be available by end of the year, CEO hopes
- Unemployed Americans struggle to get promised free health insurance in pandemic
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- **New Covid variant detected at Texas A&M lab shows signs of antibody resistance and more severe illness in young people**

- **New York Post**
  - 77 Iowa inmates received overdoses of COVID vaccine

- **AXIOS**
  - Americans will likely have to navigate a maze of vaccine "passports"
  - Political leanings sway seniors' vaccine enthusiasm
  - Washington state enters 4th COVID-19 surge, says governor

- **NPR**
  - CDC Director Recommends Pregnant People Receive COVID-19 Vaccines
  - Biden Administration Looks For Help With Next Phase Of Pitching COVID Vaccines
  - How Schools Can Help Kids Heal After A Year Of 'Crisis And Uncertainty'
  - How A U.K. Imam Countered Vaccine Hesitancy And Helped Thousands Get The ‘Jab’
  - West Virginia Will Pay Young People $100 To Get Vaccinated Against COVID-19
  - Outpacing The U.S., Hard-Hit Navajo Nation Has Vaccinated More Than Half Of Adults
  - U.S. Pledges Medical Aid To India, Where COVID-19 Is Overwhelming Hospitals
  - An Unexpected Pandemic Side Effect In Peru: A Comeback For TB
  - How India Went From A Ray Of Hope To A World Record For Most COVID Cases In A Day

- **Doctors Without Borders**
  - COVID in India: MSF resumes emergency COVID-19 activities in response to second wave

- **Bloomberg**
  - Even Record Death Toll May Hide Extent of India’s Covid Crisis

- **The Wall Street Journal**
  - India Will Get Covid-19 Test Kits, Protective Gear From U.S. as Cases Surge
  - Brazil Covid-19 Variant Tears Through South America in Warning to World

- **The Guardian**
  - Brazil begins parliamentary inquiry into Bolsonaro’s Covid response

- **CBS News**
  - COVID-19 drug studies look at repurposed drugs
  - COVID-19 vaccine hesitancy ticks down but many remain opposed - CBS News poll

- **CNN**
  - Alaska Airlines bans state lawmaker for her 'continued refusal to comply' with mask mandate
  - Miami private school asks teachers not to get Covid-19 vaccine or they won't be allowed to return next year

- **Reuters**
  - New U.S. COVID cases fall sharply last week, deaths lowest since October
  - British regulator says AstraZeneca COVID shot clots rise to 168
  - UK survey finds rising unease about AstraZeneca COVID-19 vaccine
  - Novartis CEO says could boost CureVac vaccine production, if needed
  - Taiwan evacuates hotel to sterilise it after rare COVID outbreak

- **Medpage Today**
  - In Israel, Life Gets Closer to 'Normal'
  - How to Stop Anti-Science — Science literacy isn't watching YouTube
  - COVID Vaccines More Available, but Mostly Not in Doctors’ Offices
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- **ABC News**
  - Paris perfumers help COVID-19 long-haulers regain their sense of smell

- **STAT News**
  - Real-world data, not predictions, should drive decisions on Covid-19 and school opening

- **Scientific American**
  - How Real-World Data Can Help Us Better Prepare for the Next Pandemic
  - COVID Has Created a Perfect Storm for Fringe Science
  - What’s Causing Michigan’s COVID Surge, and Who’s Getting Sick?

- **Vox**
  - We now have a solution to Covid-19 hot spots. Let’s use it.

- **SciTechDaily**
  - How COVID-19 Worms Its Way Into the Brain – Explaining Baffling Neurological Symptoms

- **JAMA Medical News and Perspectives**
  - COVID-19 and the “Lost Year” for Smokers Trying to Quit

- **Huffpost**
  - COVID-19 Variants: Here's How The Vaccines Still Protect You

- **AAMC**
  - Is herd immunity closer than we think?

- **Science History Institute Distillations**
  - Quacks, Plagues, and Pandemics

- **Institut Pasteur Press Releases**
  - SARS-COV-2: INFECTION INDUCES ANTIBODIES CAPABLE OF KILLING INFECTED CELLS REGARDLESS OF DISEASE SEVERITY

- **Appili Press Releases**
  - Avigan® / REEQONUS™ (favipiravir): A Broad-Spectrum Antiviral and Potential Therapeutic for COVID-19

- **Los Angeles Times**
  - In dramatic turnaround, California now has the lowest coronavirus case rate in the U.S.
  - California’s COVID-19 vaccination pace slowed after Johnson & Johnson pause, data show
  - ‘We’re coming for you’: Public health officials endure a year of extremist threats
  - Bodies pile up as vaccine campaigns sputter and COVID-19 variants spread
  - Drop in COVID vaccine demand, and willingness, has some places turning down doses

- **KQED**
  - San Joaquin County Reports Major Drop in COVID Hospitalizations
  - UC And Cal State Systems To Require COVID-19 Vaccinations For In-Person Fall Classes

- **Palo Alto Online**
  - Stanford to require COVID-19 vaccination for students this fall

- **Santa Clara County Public Health**
  - One Million Residents of Santa Clara County Have Received at Least One Dose of Vaccine

- **San Francisco Chronicle**
  - J&J vaccine OKd for use in California, 3 neighboring states after 11-day pause
  - CDC, FDA lift Johnson & Johnson vaccine pause, Bay Area may resume one-dose shots soon
  - Coronavirus infections slowing sharply across California as vaccines take hold
  - California follows CDC in relaxing outdoors mask guidance for vaccinated people
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- Why California has lowest COVID case rate in continental U.S. as Michigan sees new surge

SFGate
- 8 Bay Area counties issue joint statement on safety of Johnson & Johnson vaccine
- UCSF treats first instance of a man developing blood clot after J&J vaccine
- UCSF doctor weighs in on new COVID variant identified in Texas

Mercury News
- At-home COVID-19 test arrives in the Bay Area

Epidemiology Updates

- CDC COVID Data Tracker
  - 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 April 30, 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