



COVID-19 Digest Issue 29

November 12, 2020

CLINICAL PEARL

- [According to a recently published study](#) comparing pediatric patients with multisystem inflammatory syndrome (MIS-C) to other febrile pediatric outpatients, the MIS-C patients reported a higher median maximal temperature (40 degrees C vs 38.9, $P < .0001$), increased frequency of abdominal pain, neck pain, conjunctivitis, oral mucosal irritation, extremity swelling or rash and generalized rash. Patients with MIS-C demonstrated lower absolute lymphocyte ($p < 0.0001$) and platelet counts ($p < 0.05$) and higher C-reactive protein concentrations ($p < 0.001$).

PUBLIC HEALTH UPDATE

- FDA: [Potential for False Positive Results with Antigen Tests for Rapid Detection of SARS-CoV-2](#)

GUIDANCE/GUIDELINES

- NIH COVID-19 Treatment Guidelines: [Influenza and COVID-19](#)
- CDC Interim Guidance:
 - [Interim Clinical Guidance for Management of Patients with Confirmed Coronavirus Disease \(COVID-19\)](#)
 - [Wearing of face masks while on public conveyances and at stations, ports, and similar transportation hubs](#)
- IDSA COVID-19 Information and Safety Resources: [Face Coverings and Masks](#)

RESOURCES

- CDC [Commercial Laboratory Seroprevalence Surveys](#)
- CDC/IDSA COVID-19 Clinician Call:
 - [MIS in Adults & Children: Clinical Considerations Across the Age Continuum](#)
 - [Herd Immunity & Vaccines Update](#)
- IDSA
 - Media Briefing: [COVID & Campus](#)
 - [Navigating the COVID-19 "Infodemic" – Staying Ahead of Misinformation](#)
- UCSF Special Medical Grand Grounds: [The Third Wave, the View from Wisconsin, and Navigating Risk is COVID-19](#)
- American Academy of Pediatrics [Children and COVID-19 - State Level Data Report](#)
- Carnegie Mellon University [COVIDcast | Real-time COVID-19 Indicators](#)
- United in Research [COVID-19 Testing Strategy Simulator](#)

ACADEMIC/RESEARCH PAPERS

- *The Journal of Pediatrics*
 - [Discriminating MIS-C Requiring Treatment from Common Febrile Conditions in Outpatient Settings](#)
- *Hospital Pediatrics*
 - [Characteristics of Hospitalized Children With SARS-CoV-2 in the New York City Metropolitan Area](#)
- *Journal of Pediatric Psychology*
 - [Child and Family Outcomes Following Pandemics: A Systematic Review and Recommendations on COVID-19 Policies](#)





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- *BMJ Journal*
 - [Role of children in household transmission of COVID-19](#)
 - [Convalescent plasma is ineffective for covid-19](#)
 - [Prediction models for covid-19 outcomes](#)
 - [Living risk prediction algorithm \(QCOVID\) for risk of hospital admission and mortality from coronavirus 19 in adults: national derivation and validation cohort study](#)
 - [Risk stratification of patients admitted to hospital with covid-19 using the ISARIC WHO Clinical Characterisation Protocol: development and validation of the 4C Mortality Score](#)
- *Clinical Infectious Diseases*
 - [Outcomes of COVID-19 related hospitalization among people with HIV in the ISARIC WHO Clinical Characterization Protocol \(UK\): a prospective observational study](#)
- *New England Journal of Medicine*
 - [Safety and Immunogenicity of Two RNA-Based Covid-19 Vaccine Candidates](#)
- *Science*
 - [Viral epitope profiling of COVID-19 patients reveals cross-reactivity and correlates of severity](#)
 - [Prothrombotic autoantibodies in serum from patients hospitalized with COVID-19](#)
- *Journal of Biological Chemistry*
 - [Presence of hyaluronan in lung alveoli in severe Covid-19 - an opening for new treatment options?](#)
- *Viruses*
 - [Frequency and Duration of SARS-CoV-2 Shedding in Oral Fluid Samples Assessed by a Modified Commercial Rapid Molecular Assay](#)
- *Nature*
 - [Distinct antibody responses to SARS-CoV-2 in children and adults across the COVID-19 clinical spectrum](#)
 - [Modeling COVID-19 scenarios for the United States](#)
- *Annals of Internal Medicine*
 - [Effect of Timing of and Adherence to Social Distancing Measures on COVID-19 Burden in the United States A Simulation Modeling Approach](#)
- *Cell Reports*
 - [HSV-1 and Zika Virus but Not SARS-CoV-2 Replicate in the Human Cornea and Are Restricted by Corneal Type III Interferon](#)
 - [High-Density Amplicon Sequencing Identifies Community Spread and Ongoing Evolution of SARS-CoV-2 in the Southern United States](#)
- *medRxiv*
 - [Identifying Optimal COVID-19 Testing Strategies for Schools and Businesses: Balancing Testing Frequency, Individual Test Technology, and Cost](#)
 - [Cognitive deficits in people who have recovered from COVID-19 relative to controls: An N=84,285 online study](#)
 - [Improving COVID-19 critical care mortality over time in England: A national cohort study, March to June 2020](#)
- *Journal of Hospital Medicine*
 - [Trends in COVID-19 Risk-Adjusted Mortality Rates](#)
- *PLOS Medicine*
 - [Variation in racial/ethnic disparities in COVID-19 mortality by age in the United States: A cross-sectional study](#)





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- *JAMA*
 - [Laboratory Findings Associated With Severe Illness and Mortality Among Hospitalized Individuals With Coronavirus Disease 2019 in Eastern Massachusetts](#)
 - [Association Between Nursing Home Crowding and COVID-19 Infection and Mortality in Ontario, Canada](#)
 - [Risk of Severe COVID-19 Among Workers and Their Household Members](#)
 - [Development and Performance of a Clinical Decision Support Tool to Inform Resource Utilization for Elective Operations](#)
 - [US Clinicians' Experiences and Perspectives on Resource Limitation and Patient Care During the COVID-19 Pandemic](#)
 - [Coronavirus Disease 2019 and the Athletic Heart - Emerging Perspectives on Pathology, Risks, and Return to Play](#)
 - [Characteristics Associated With Racial/Ethnic Disparities in COVID-19 Outcomes in an Academic Health Care System](#)
- *Journal of Immigrant and Minority Health*
 - [Intersectional Disparities Among Hispanic Groups in COVID-19 Outcomes](#)
- *The Lancet*
 - [Estimating the infection-fatality risk of SARS-CoV-2 in New York City during the spring 2020 pandemic wave: a model-based analysis](#)
 - [SARS-CoV-2 seroprevalence and transmission risk factors among high-risk close contacts: a retrospective cohort study](#)
 - [Persistence of viral RNA, pneumocyte syncytia and thrombosis are hallmarks of advanced COVID-19 pathology](#)
 - [Association of Body Mass Index and Other Metabolic Risk Factors with Pneumonia Outcomes in Critically Ill Patients with Coronavirus Disease-19: An International Multicenter Retrospective Cohort Study](#)
 - [Exaggerated risk of transmission of COVID-19 by fomites](#)
- *Virology Journal*
 - [The effect of temperature on persistence of SARS-CoV-2 on common surfaces](#)
- *Journal of Medical Virology*
 - [Lowering the transmission and spread of human coronavirus](#)
- *Infection Control and Hospital Epidemiology*
 - [Environmental contamination in a coronavirus disease 2019 \(COVID-19\) intensive care unit—What is the risk?](#)
- *Occupational Medicine*
 - [Effects of universal masking on Massachusetts healthcare workers' COVID-19 incidence](#)
- *Journal of the American Heart Association*
 - [The Impact of Coronavirus disease 2019 \(COVID-19\) on Patients with Congenital Heart Disease across the Lifespan: The Experience of an Academic Congenital Heart Disease Center in New York City](#)
 - [Statin Use and In-Hospital Mortality in Diabetics with COVID-19](#)
- *Circulation*
 - [Growth Differentiation Factor-15 Provides Prognostic Information Superior to Established Cardiovascular and Inflammatory Biomarkers in Unselected Patients Hospitalized with COVID-19](#)
- *Thrombosis Research*
 - [Therapeutic versus prophylactic anticoagulation for severe COVID-19: A randomized phase II clinical trial \(HESACOVID\)](#)





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- *PLOS One*
 - [Patterns of organizing pneumonia and microinfarcts as surrogate for endothelial disruption and microangiopathic thromboembolic events in patients with coronavirus disease 2019](#)
- *CHEST Journal*
 - [CLINICAL OUTCOMES IN DIABETIC VS NON-DIABETIC PATIENTS WITH SEVERE COVID-19](#)
- *Annals of the American Thoracic Society*
 - [Association of SARS-CoV-2 Genomic Load with COVID-19 Patient Outcomes](#)
- *The Journal of Clinical Endocrinology and Metabolism*
 - [Radiological Thoracic Vertebral Fractures are Highly Prevalent in COVID-19 and Predict Disease Outcomes](#)
- *Journal of Internal Medicine*
 - [Use of proton pump inhibitors and risk of adverse clinical outcomes from COVID-19: a meta-analysis](#)
- *Gastroenterology*
 - [Famotidine Use Is Not Associated With 30-day Mortality: A Coarsened Exact Match Study in 7158 Hospitalized COVID-19 Patients from a Large Healthcare System](#)
- *Anesthesia & Analgesia*
 - [Aspirin Use is Associated with Decreased Mechanical Ventilation, ICU Admission, and In-Hospital Mortality in Hospitalized Patients with COVID-19](#)
- *bioRxiv*
 - [Intranasal fusion inhibitory lipopeptide prevents direct contact SARS-CoV-2 transmission in ferrets](#)
- *Critical Reviews in Oral Biology and Medicine*
 - [Antiviral Activity of Reagents in Mouth Rinses against SARS-CoV-2](#)
- *Trends in Neurosciences*
 - [Is COVID-19 a Perfect Storm for Parkinson's Disease?](#)
- *IEEE Open Journal of Engineering in Medicine and Biology*
 - [COVID-19 Artificial Intelligence Diagnosis using only Cough Recordings](#)
- *Emerging Infectious Diseases*
 - [Multidrug-Resistant *Candida auris* Infections in Critically Ill Coronavirus Disease Patients, India, April–July 2020](#)
- *Eurosurveillance*
 - [Surveillance of COVID-19 school outbreaks, Germany, March to August 2020](#)
- *Insights for Education*
 - [COVID-19 and Schools: What We Can Learn from Six Months of Closures and Reopening](#)
- *Children's Hospital of Philadelphia PolicyLab*
 - [Executive Summary: Evidence and Guidance for In-Person Schooling during the COVID-19 Pandemic](#)
- *The Rockefeller Foundation, Duke Margolis Center for Health Policy, Johns Hopkins Center for Health Security*
 - [Risk Assessment and Testing Protocols for Reducing SARS-CoV-2 Transmission in K-12 Schools](#)
- *IZA Institute of Labor Economics*
 - [School Re-Openings after Summer Breaks in Germany Did Not Increase SARS-CoV-2 Cases](#)





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MMWR

- [Birth and Infant Outcomes Following Laboratory-Confirmed SARS-CoV-2 Infection in Pregnancy — SET-NET, 16 Jurisdictions, March 29–October 14, 2020](#)
- [Update: Characteristics of Symptomatic Women of Reproductive Age with Laboratory-Confirmed SARS-CoV-2 Infection by Pregnancy Status — United States, January 22–October 3, 2020](#)
- [Transmission of SARS-COV-2 Infections in Households — Tennessee and Wisconsin, April–September 2020](#)
- [Telework Before Illness Onset Among Symptomatic Adults Aged ≥18 Years With and Without COVID-19 in 11 Outpatient Health Care Facilities — United States, July 2020](#)
- [Network Characteristics and Visualization of COVID-19 Outbreak in a Large Detention Facility in the United States — Cook County, Illinois, 2020](#)
- [Declines in SARS-CoV-2 Transmission, Hospitalizations, and Mortality After Implementation of Mitigation Measures — Delaware, March–June 2020](#)
- [Characteristics of Hospitalized COVID-19 Patients Discharged and Experiencing Same-Hospital Readmission — United States, March–August 2020](#)
- [A SARS-CoV-2 Outbreak Illustrating the Challenges in Limiting the Spread of the Virus — Hopi Tribe, May–June 2020](#)
- [Notes from the Field: Development of an Enhanced Community-Focused COVID-19 Surveillance Program — Hopi Tribe, June–July 2020](#)

HOT OFF THE (LAY) PRESS

- *AP News*
 - [As virus flares globally, new strategies target hot spots](#)
 - [US overdose deaths appear to rise amid coronavirus pandemic](#)
- *The New York Times*
 - [U.S. Hits a Record 121,000 Daily Cases](#)
 - [For the first time, the U.S. recorded over 100,000 new coronavirus cases in a single day. Many areas are facing their worst weeks of the pandemic yet.](#)
 - [Smashing a single-day record, U.S. enters new terrain as hospitalizations increase](#)
 - [United States records over 1,000 deaths for fourth straight day](#)
 - [An Explanation for Some Covid-19 Deaths May Not Be Holding Up](#)
 - [Covid in the U.S.: Latest Map and Case Count](#)
 - [Italy will seal off six regions and limit movement within them, its most drastic measures since the spring, in an effort to stop a virus resurgence.](#)
 - [Europe's Hospital Crunch Grows More Dire, Surpassing Spring Peak](#)
 - [Denmark Will Kill All Farmed Mink, Citing Coronavirus Infections](#)
 - [A California city says the police can remove maskless customers from stores. The police aren't so sure](#)
 - [How Are Americans Catching the Virus? Increasingly, 'They Have No Idea'](#)
 - [Pfizer's Early Data Shows Vaccine Is More Than 90% Effective](#)
 - [The F.D.A. gave emergency approval to an experimental antibody treatment for Covid-19 made by Eli Lilly. It's similar to one President Trump received.](#)
 - [Eli Lilly's Antibody Treatment Gets Emergency F.D.A. Approval](#)
 - [Nasal Spray Prevents Covid Infection in Ferrets, Study Finds](#)
 - [Wikipedia and W.H.O. Join to Combat Covid-19 Misinformation](#)
 - [When the Virus Came for the American Dream](#)
 - [While the pandemic wrecked some businesses, others did fine, and even great.](#)





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- [A Rapid Virus Test Falterers in People Without Symptoms, Study Finds](#)
- [Pregnant Women Face Increased Risks From Covid-19](#)
- [Tracking the Coronavirus at U.S. Colleges and Universities](#)
- [Schoolchildren Seem Unlikely to Fuel Coronavirus Surges, Scientists Say](#)
- [Surprising Results in Initial Virus Testing in N.Y.C. Schools](#)
- [‘Out of Control’: When Schools Opened in a Virus Hot Spot](#)
- [In San Francisco, Closed Public Schools, Open Private Schools](#)
- *The Conversation*
 - [Death rates have fallen by 18% for hospitalized COVID-19 patients as treatments improve](#)
- *NPR/KQED*
 - [Studies Point To Big Drop In COVID-19 Death Rates](#)
 - [Are The Risks Of Reopening Schools Exaggerated?](#)
 - [New Daily U.S. Coronavirus Cases Jump Nearly 20%, Hitting Almost 122,000](#)
 - [ICU Doctor Stresses COVID-19 Severity In Communities Of Color, Faults White House](#)
 - [Hospital Bills For Uninsured COVID-19 Patients Are Covered, But No One Tells Them](#)
 - [Tourism Trickle Back as SF Recommends \(But Doesn't Require\) a Quarantine for Holiday Season Travelers](#)
 - [President-Elect Biden Has A Plan To Combat COVID-19. Here's What's In It](#)
 - [Biden Names 13 Health Experts To COVID-19 Transition Advisory Board](#)
 - [First COVID-19 Vaccine Doses To Go To Health Workers, Say CDC Advisers](#)
 - [U.K. Preparing COVID-19 Vaccine Trials That Deliberately Expose Study Subjects](#)
- *Imperial College London News*
 - [UK researchers to explore human challenge studies for COVID-19](#)
- *Biocentury*
 - [Ethics arising from EUAs could disrupt COVID-19 vaccine trials](#)
- *USA Today*
 - [A 'Herculean' effort: States finalize their COVID-19 vaccine distribution plans](#)
- *Roll Call*
 - [Officials clarify military role in coronavirus vaccination amid wariness](#)
- *The Hill*
 - [Trump health officials announce plan for free COVID vaccines in nursing homes](#)
 - [CDC knew first coronavirus test was flawed but released it anyway: report](#)
- *Kaiser Family Foundation*
 - [State Variation in Seasonal Flu Vaccination: Implications for a COVID-19 Vaccine](#)
- *The Washington Post*
 - [Johnson & Johnson, AstraZeneca coronavirus vaccine trials set to resume](#)
 - [How the Sturgis Motorcycle Rally may have spread coronavirus across the Upper Midwest](#)
 - [Texas woman died of covid-19 on a Spirit Airlines flight to Las Vegas](#)
 - [Canada's post-Thanksgiving coronavirus surge could be a cautionary tale for Americans](#)
 - [Australia has almost eliminated the coronavirus – by putting faith in science](#)
 - [Stop wiping down groceries and focus on bigger risks, say experts on coronavirus transmission](#)
 - [A powerful argument for wearing a mask, in visual form](#)
 - [Top Trump advisor bluntly contradicts president on covid-19 threat, urging all-out response](#)
 - [The path to herd immunity would be lined with half a million dead Americans](#)





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- *STAT News*
 - [We cannot rely on magical thinking: Herd immunity is not a plan](#)
 - [Covid-19 vaccine from Pfizer and BioNTech is strongly effective, early data from large trial indicate](#)
- *The Atlantic*
 - [The Simple Rule That Could Keep COVID-19 Deaths Down](#)
- *WebMD*
 - [El Paso Gets 4th Mobile Morgue as Deaths Surge](#)
- *University of Iowa Hospitals and Clinics*
 - [Iowa hospitals are experiencing the worst chapter of the pandemic so far. Here's how you can stop it from getting worse](#)
- *CBS News*
 - [Idaho county drops mask mandate despite warning of overwhelmed hospital](#)
 - [Inside the Operation Warp Speed effort to get Americans a COVID-19 vaccine](#)
 - [Supplies of N95 masks running low as COVID-19 surges](#)
- *NIH Director's Blog*
 - [Face Coverings Could Save 130,000 American Lives from COVID-19 by March](#)
- *Science Speaks: Global ID News*
 - [COVID-19: With high tide waves across America, a request to the National Academy of Medicine on masks](#)
- *The Wall Street Journal*
 - [Face Masks Are Again in Short Supply as Covid-19 Cases Surge](#)
- *mHealth Intelligence Policy News*
 - [Lawmakers Eye Medicare Coverage for COVID-19 Tests Via Telehealth](#)
- *Business Insider*
 - [Costco is selling at-home COVID-19 tests for \\$130](#)
- *Science Alert*
 - [MIT Team's Cough Detector Identifies 97% of COVID-19 Cases Even in Asymptomatic People](#)
- *CNN*
 - [This 14-year-old girl won a \\$25K prize for a discovery that could lead to a cure for Covid-19](#)
- *Medscape*
 - [Teen Finds 'Better Way' to Test for COVID](#)
 - [Rinse and Repeat? Mouthwash Might Mitigate COVID-19 Spread](#)
 - [Skin Symptoms Common in COVID 'Long-Haulers'](#)
 - [US Sets Another COVID Record, Hospitals Scramble](#)
 - [Around the World in 24 Hours: A Snapshot of COVID's Global Havoc](#)
- *Reuters*
 - [Risk of inflight spread of COVID-19 'very low', not zero: WHO](#)
 - [U.S. FDA warns about false positive results from COVID-19 antigen tests](#)
- *Health Affairs*
 - [COVID-19 And Health Disparities: Insights From Key Informant Interviews](#)
- *BBC*
 - [Denmark to cull up to 17 million mink amid coronavirus fears](#)
- *Seattle Times*
 - [Nontraditional nursing homes have almost no coronavirus cases. Why aren't they more widespread?](#)





SAN MATEO COUNTY HEALTH

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- *Los Angeles Times*
 - [L.A. County coronavirus cases hit highest daily level in three months](#)
 - [L.A. County declares new coronavirus surge, sparking increased alarms](#)
 - [From weddings to dinner out, how wholesome gatherings could bring next COVID-19 wave](#)
- *University of California Press Releases*
 - [Smartphone notification pilot expands at UC locations to help limit spread of COVID-19 using privacy-first technology](#)
- *San Francisco Chronicle*
 - [California to double coronavirus testing capacity by spring, governor says](#)
 - [Bay Area counties hold steady in state's latest coronavirus tier assignments](#)
 - [Coronavirus cases are rising again in the Bay Area. Here's what that means](#)
 - [Bay Area health officials considering coronavirus travel advisory](#)
 - [To avoid surge, S.F. halts reopening as coronavirus cases, hospitalizations rise](#)
 - [S.F. school board members push plan for first students to return Jan. 25 with possible vote next week](#)
 - [S.F. contact tracing reached more than 80% of patients in the spring](#)
 - [First known case in Bay Area of dual coronavirus-flu infection found in Solano County](#)
 - [Potential transfers out of San Quentin raise dire concerns for inmates](#)
 - [Record 61,000 children in the U.S. infected with coronavirus last week](#)
 - [Stanford researchers blame Trump campaign rallies for an estimated 700 coronavirus deaths](#)

EPIDEMIOLOGY UPDATES

- **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 November 12, 2020**
- [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](#)
- [COVID-19 Nursing Home Data](#)
- [CDC Interactive Serology Dashboard for Commercial Laboratory Surveys](#)
- [CDC COVID-19 Forecasts: Deaths](#)
- [HHS Coronavirus Data Hub](#)

