



COVID-19 Digest Issue 57

May 28, 2021

CLINICAL PEARL

- [According to a study recently published in Emerging Infectious Diseases, COVID-19 seroprevalence is higher in cats than in dogs and higher in general in pets living with people who have the disease.](#)
Italian scientists analyzed 198 serum samples, 130 from dogs and 68 from cats, collected during March through June of 2020, as well as 100 serum samples, 65 from dogs and from 35 cats, collected in different regions of Italy before 2019 to use as pre-pandemic controls. **The researchers detected 14 cases in animals, representing a 16.2% SARS-CoV-2 seroprevalence in cats and 2.3% in dogs. Symptomatic people were more likely to have pets test positive.**
The proportion of serologic positivity increased with increasing length of exposure. The authors recorded the first SARS-CoV-2–positive animals 10 days after owners' diagnoses and all 14 seropositive cases were classified as positive after >54 days of exposure. Among 5 of the 14 positive animals, the owners reported that their pets had experienced clinical signs at the same time as their own illness.

PUBLIC HEALTH UPDATE

- [FDA Advises Against Use of SARS-CoV-2 Antibody Test Results to Evaluate Immunity or Protection From COVID-19, Including After Vaccination](#)

GUIDANCE/GUIDELINE

- FDA [Emergency Use Authorization for Vaccines to Prevent COVID-19 Guidance for Industry](#)

RESOURCES

- CDC
 - ACIP [COVID-19 Vaccine Safety Technical \(VaST\) Work Group Technical Report – May 17, 2021](#)
 - COCA Call: [Underlying Medical Conditions and Severe COVID-19: Evidence-based Information for Healthcare Providers](#)
 - [Weekly MMWR Podcast](#)
 - Traveler's Health – [COVID-19 in Japan](#)
- American College of Obstetricians and Gynecologists (ACOG) [COVID-19 Vaccines and Pregnancy: Conversation Guide for Clinicians](#)
- CDC/IDSA
 - COVID-19 Clinician Call [Post-COVID Conditions: What's the Latest?](#)
- IDSA
 - [Media Briefing: CDC Mask Guidance](#)
 - [Podcast: Predicting Future Prevalence: Can We Prevent a Winter Surge?](#)
- American Public Health Association [Learning to Live With COVID-19](#) webinar
- Center for Infectious Disease Research and Policy
 - Osterholm Update: COVID-19 [Episode 56: From Checkers to Check](#)





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ACADEMIC/RESEARCH PAPERS

- *Clinical Infectious Diseases*
 - [Novel Canine Coronavirus Isolated from a Hospitalized Pneumonia Patient, East Malaysia](#)
 - [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](#)
- *medRxiv*
 - [Emergence of SARS-CoV-2 variants of concern in the pediatric population of the United States](#)
 - [Effectiveness of COVID-19 vaccines against the B.1.617.2 variant](#)
- *Annals of Internal Medicine*
 - [Safety and Immunogenicity of Anti-SARS-CoV-2 Messenger RNA Vaccines in Recipients of Solid Organ Transplants](#)
 - [Absence of Humoral Response After Two-Dose SARS-CoV-2 Messenger RNA Vaccination in Patients With Rheumatic and Musculoskeletal Diseases: A Case Series](#)
 - [Symptoms After COVID-19 Vaccination in Patients With Persistent Symptoms After Acute Infection: A Case Series](#)
- *JAMA*
 - [Preliminary Analysis of Association Between COVID-19 Vaccination and Sudden Hearing Loss Using US Centers for Disease Control and Prevention Vaccine Adverse Events Reporting System Data](#)
 - [Public Trust and Willingness to Vaccinate Against COVID-19 in the US From October 14, 2020, to March 29, 2021](#)
 - [Effectiveness of Tocilizumab in Patients Hospitalized With COVID-19 - A Follow-up of the CORIMUNO-TOCI-1 Randomized Clinical Trial](#)
 - [Assessment of the Association of Vitamin D Level With SARS-CoV-2 Seropositivity Among Working-Age Adults](#)
 - [Association of Circulating Sex Hormones With Inflammation and Disease Severity in Patients With COVID-19](#)
 - [Medication Use Patterns in Hospitalized Patients With COVID-19 in California During the Pandemic](#)
 - [Socioeconomic and Racial Inequities in Breast Cancer Screening During the COVID-19 Pandemic in Washington State](#)
 - [Characteristics Associated With Multisystem Inflammatory Syndrome Among Adults With SARS-CoV-2 Infection](#)
- *Emerging Infectious Diseases*
 - [Multisystem Inflammatory Syndrome after SARS-CoV-2 Infection and COVID-19 Vaccination](#)
- *bioRxiv*
 - [Persistent Cellular Immunity to SARS-CoV-2 Infection](#)
 - [An intranasal ASO therapeutic targeting SARS-CoV-2](#)
- *Nature*
 - [Neutralizing antibody vaccine for pandemic and pre-emergent coronaviruses](#)
 - [SARS-CoV-2 infection induces long-lived bone marrow plasma cells in humans](#)
- *BMJ Journal*
 - [Methotrexate hampers immunogenicity to BNT162b2 mRNA COVID-19 vaccine in immune-mediated inflammatory disease](#)
 - [Risk of clinical sequelae after the acute phase of SARS-CoV-2 infection: retrospective cohort study](#)





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- [Measuring the impact of COVID-19 on the quality of life of the survivors, partners and family members: a cross-sectional international online survey](#)
- [Excess deaths associated with covid-19 pandemic in 2020: age and sex disaggregated time series analysis in 29 high income countries](#)
- *PLOS*
 - [COVID-19 and excess mortality in the United States: A county-level analysis](#)
 - [Factors indicating intention to vaccinate with a COVID-19 vaccine among older U.S. adults](#)
- *Influenza and Other Respiratory Viruses*
 - [Admission respiratory status predicts mortality in COVID-19](#)
- *Science*
 - [Estimating infectiousness throughout SARS-CoV-2 infection course](#)
- *Lancet*
 - [Patient care and clinical outcomes for patients with COVID-19 infection admitted to African high-care or intensive care units \(ACCCOS\): a multicentre, prospective, observational cohort study](#)
- *Obstetrics and Gynecology*
 - [Sex, Hormones, Immune Functions, and Susceptibility to Coronavirus Disease 2019 \(COVID-19\)–Related Morbidity](#)
- *New England Journal of Medicine*
 - [Protecting Olympic Participants from Covid-19 — The Urgent Need for a Risk-Management Approach](#)
- *Kaiser Family Foundation*
 - [Mental Health and Substance Use Considerations Among Children During the COVID-19 Pandemic](#)
- *Cleveland Clinic Journal of Medicine*
 - [Thoracic imaging in COVID-19](#)
- *The Journal of the American Dental Association*
 - [COVID-2019 among dentists in the United States - A 6-month longitudinal report of accumulative prevalence and incidence](#)
- *Infection and Drug Resistance*
 - [Secondary Infections in Hospitalized COVID-19 Patients: Indian Experience](#)
- *Public Health England*
 - [SARS-CoV-2 variants of concern and variants under investigation in England Technical briefing 12](#)
- *US Government Accountability Office*
 - [COVID-19 in Nursing Homes: Most Homes Had Multiple Outbreaks and Weeks of Sustained Transmission from May 2020 through January 2021](#)
- *University of Pennsylvania Wharton*
 - [COVID-19 School Closures: Long-run Macroeconomic effects](#)

MMWR

- [COVID-19 Vaccine Breakthrough Infections Reported to CDC — United States, January 1–April 30, 2021](#)
- [Mask Use and Ventilation Improvements to Reduce COVID-19 Incidence in Elementary Schools — Georgia, November 16–December 11, 2020](#)
- [COVID-19 Testing to Sustain In-Person Instruction and Extracurricular Activities in High Schools — Utah, November 2020–March 2021](#)
- [Characteristics of COVID-19 Cases and Outbreaks at Child Care Facilities — District of Columbia, July–December 2020](#)





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HOT OFF THE (LAY) PRESS

- *UK Press Releases*
 - [World-first COVID-19 vaccine booster study launches in UK](#)
 - [Vaccines highly effective against B.1.617.2 variant after 2 doses](#)
- *European Medicines Agency News*
 - [EMA issues advice on use of sotrovimab \(VIR-7831\) for treating COVID-19](#)
- *American Heart Association News*
 - [COVID-19 vaccine benefits still outweigh risks, despite possible rare heart complications](#)
- *Moderna Press Releases*
 - [Moderna Announces TeenCOVE Study of its COVID-19 Vaccine in Adolescents Meets Primary Endpoint and Plans to Submit Data to Regulators in Early June](#)
- *New York Times*
 - [The drugmaker Moderna said its Covid-19 vaccine was powerfully effective in 12- to 17-year-olds. It plans to apply for F.D.A. authorization.](#)
 - [A New C.D.C. Story - We have the latest chapter on the C.D.C.'s description of outdoor Covid risks](#)
 - [C.D.C. Is Investigating a Heart Problem in a Few Young Vaccine Recipients](#)
 - [The Vaccine Class Gap: The biggest vaccination gap isn't based on race or partisanship. It's based on class.](#)
 - [Is It OK to Ask Health Care Providers if They're Vaccinated?](#)
 - ['Get your shot for a shot to win,' Maryland's governor tells residents.](#)
 - [Immunity to the Coronavirus May Persist for Years, Scientists Find](#)
 - [In the U.S., new cases and deaths drop to the lowest levels in nearly a year](#)
 - [Covid Killed His Father. Then Came \\$1 Million in Medical Bills.](#)
 - [The Math That Explains the End of the Pandemic](#)
 - [President Biden asked U.S. intelligence to submit a report within 90 days on whether the coronavirus emerged from an accidental lab leak.](#)
- *The Wall Street Journal*
 - [The Wuhan Lab Leak Question: A Disused Chinese Mine Takes Center Stage](#)
 - [Intelligence on Sick Staff at Wuhan Lab Fuels Debate on Covid-19 Origin](#)
- *Science*
 - [Investigate the origins of COVID-19](#)
- *The Hill*
 - [White House pushes for independent investigation on COVID-19 origins](#)
 - [As the pandemic rages on, we must demand accountability from the World Health Assembly](#)
 - [FDA advises against Chinese-made syringes citing safety issues](#)
 - [Alabama governor signs bill to prohibit vaccine passports](#)
- *Kaiser Health News*
 - [Corporations Encourage Employee Vaccination but Stop Short of Mandates](#)
- *Politico*
 - [Democrats defeat Republican attempt to change House mask regulations](#)
 - [Death-certificate omissions stymie FEMA funeral assistance program](#)
 - [Vaccines' success could undercut Biden's multibillion-dollar school testing plans](#)
- *CNBC*
 - [Covid vaccine passports: Everything we know so far](#)





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- *NPR*
 - [Half Of All U.S. Adults Are Now Fully Vaccinated Against COVID-19](#)
 - [Fauci Says He Expects Vaccines For Younger Children By The End Of Year Or Early 2022](#)
 - [How Medical Jargon Can Make COVID Health Disparities Even Worse](#)
 - [Restaurants Are Welcoming Back Diners, But Say Mask Rules Have Them Relying On Trust](#)
- *AP News*
 - [Nervous workers struggle to adjust to new mask policies](#)
 - [COVID testing's value shrinks as vaccines beat back virus](#)
 - [Schools try pep-rally tactics to get students vaccinated](#)
 - [Japan opens mass vaccine centers 2 months before Olympics](#)
 - ['Like hell:' As Olympics loom, Japan health care in turmoil](#)
- *NBC*
 - [State Department, CDC warn against travel to Japan ahead of Summer Olympics](#)
- *Reuters*
 - [Latin America poised to benefit as U.S. raises exports of COVID-19 shots](#)
- *The Washington Post*
 - [TSA extends mask requirement for planes, other public transportation in U.S. until September](#)
 - [As air travel rebounds, TSA warns of longer waits at start of busy summer season](#)
 - [Casinos place big bet on vaccination as Las Vegas prepares for June 1 reopening and nation's first large convention](#)
 - [What are Americans making for dinner? Reservations](#)
 - [The U.S. needs a nonpartisan commission to evaluate pandemic failures](#)
 - [Timeline: How the Wuhan lab-leak theory suddenly became credible](#)
 - [Biden is passing the buck on the covid origin investigation](#)
 - [India virus death toll passes 300,000 3rd highest in world](#)
- *George Washington University School of Public Health*
 - [National survey of frontline health care workers finds fear, unsafe working conditions](#)
- *Axios-Ipsos poll*
 - [Re-emerging without trust](#)
- *The Atlantic*
 - [What Happens When Americans Can Finally Exhale](#)
 - [What's Safe for Kids Now?](#)
- *CNN*
 - [The women possibly at higher risk for Covid-19 that no one is talking about](#)
- *The Guardian*
 - [Faster than a PCR test: dogs detect Covid in under a second](#)
 - [World expert in scientific misconduct faces legal action for challenging integrity of hydroxychloroquine study](#)
- *Los Angeles Times*
 - [California postpones decision on relaxing mask and distancing rules for workers](#)
 - ['Breakthrough' infections are rare, and just 2% result in COVID-19 deaths, CDC says](#)
- *KRON 4*
 - [California to roll out incentive program amid declining vaccination rates](#)
- *San Francisco Chronicle*
 - [The pandemic disrupted mass transit everywhere. Few places were hit worse than the Bay Area](#)





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- [These California metro areas now have the lowest coronavirus case rates in the U.S.](#)

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 May 28, 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](#)

