



Mark Holodniy

Professor of Medicine (Infectious Diseases)

Medicine - Infectious Diseases

Bio

BIO

Dr. Holodniy specializes in the treatment of infectious diseases with an expertise in the care of patients with viral infections. He maintains broad investigative programs in the field of infectious diseases, encompassing clinical trials, surveillance for emerging infections, and translational correlates. He is the Principal Investigator on numerous clinical trials. He is the Director of the Public Health National Program Office and Public Health Reference Laboratory for the Department of Veterans Affairs.

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Medicine - Infectious Diseases
- Member, Bio-X

ADMINISTRATIVE APPOINTMENTS

- Chairman, Administrative Panel on Biosafety, (2017- present)
- Co-Chairman, Administrative Panel on Biosafety, (1995-2017)
- Member, Medical School Faculty Senate, (1999-2002)

HONORS AND AWARDS

- Research and Development Award, AMSUS, The Society of Federal Health Professionals (2024)
- Under Secretary for Health Robert L. Jesse Clinical Innovation Award, Department of Veterans Affairs (2023)
- Fellow, Infectious Disease Society of America (2005)
- Fellow, Society for Healthcare Epidemiology of America (2005)
- Divisional Award for Exceptional Contributions in Education in the Division of Infectious Disease, Department of Medicine (2004)
- Infectious Diseases Teaching Award, Division of Infectious Diseases (2004)
- HIV Program Clinical Excellence Award, Department of Veterans Affairs (2001)
- Infectious Diseases Teaching Award, Division of Infectious Diseases (1997)
- Fellow, American College of Physicians (1996)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, DHHS-Public Health Emergency Medical Countermeasures Enterprise (PHEMCE) Executive Council (2022 - present)
- Member, Infectious Diseases Society of America (IDSA) Diagnostics Committee (2017 - 2020)
- Member, DHHS-Public Health Emergency Medical Countermeasures Enterprise Diagnostics Integrated Program Team. (2014 - 2018)

- Editor-in-Chief, Diagnostic Microbiology and Infectious Disease (2013 - 2023)
- Member, CDC-National Syndromic Surveillance Program Governance Board (2012 - 2018)
- Associate Editor, International Journal of Infectious Diseases (2008 - 2013)

PROGRAM AFFILIATIONS

- Stanford SystemX Alliance

PROFESSIONAL EDUCATION

- BS, Seattle University , Biology (1980)
- MD, Northwestern University , Medicine (1985)

PATENTS

- Merigan TC, Katzenstein DA, Holodniy M. "United States Patent 5,968,730 HIV PCR Directs Drug Use", Leland Stanford Junior University
- Merigan TC, Katzenstein DA, Holodniy M. "United States Patent 6,503,705 Polymerase Chain Reactions for Monitoring Antiretroviral Therapy and Making Therapeutic Decisions in the Treatment of Acquired Immunodeficiency Syndrome", Leland Stanford Junior University
- Merigan TC, Katzenstein DA, Holodniy M. "United States Patent 7,129,041 Polymerase chain reaction assays for monitoring antiviral therapy and making therapeutic decisions in the treatment of acquired immunodeficiency syndrome", Leland Stanford Junior University

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My research program is currently focused in three areas: 1) Translational research (viral evolution and antiviral resistance prevalence and development), 2) Clinical trials (diagnostic assay/medical device, antimicrobials and immunomodulators), and 3) Health services research focusing on public health, infectious diseases and clinical outcomes.

CLINICAL TRIALS

- Investigation of Rifampin to Reduce Pedal Amputations for Osteomyelitis in Diabetics, Recruiting
- Strategies and Treatments for Respiratory Infections & Viral Emergencies (STRIVE): Shionogi Protease Inhibitor (Ensitrelvir), Recruiting
- ACTIV-3: Therapeutics for Inpatients With COVID-19, Not Recruiting
- Adaptive COVID-19 Treatment Trial (ACTT), Not Recruiting
- Clostridium Difficile Vaccine Efficacy Trial, Not Recruiting
- Evaluation of Alternative Oseltamivir (Tamiflu) Dosing Strategies., Not Recruiting
- Evaluation of the 4th Generation QuantiFERON-TB Test (QFT-Plus) for the Detection of Tuberculosis Infection, Not Recruiting
- Methylphenidate Plus GWI-Nutrient Formula as a Treatment for Patients With Gulf War Illness, Not Recruiting
- Optimal Treatment for Recurrent Clostridium Difficile, Not Recruiting

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Infectious Diseases (Fellowship Program)
- Medicine (Masters Program)

Publications

PUBLICATIONS

- Risk Factors for Extrapulmonary Tuberculosis Among US Veterans, 1990-2022. *Open forum infectious diseases*

- Oda, G., Lucero-Obusan, C., Schirmer, P., Chung, J., Holodniy, M.
2024; 11 (12): ofae698
- **Clinically Defined Lymphogranuloma Venereum among US Veterans with Human Immunodeficiency Virus, 2016-2023.** *Microorganisms*
Oda, G., Chung, J., Lucero-Obusan, C., Holodniy, M.
2024; 12 (7)
 - **Early trajectories of virological and immunological biomarkers and clinical outcomes in patients admitted to hospital for COVID-19: an international, prospective cohort study.** *The Lancet. Microbe*
Jensen, T. O., Murray, T. A., Grandits, G. A., Jain, M. K., Grund, B., Shaw-Saliba, K., Matthay, M. A., Abassi, M., Ardelt, M., Baker, J. V., Chen, P., Dewar, R. L., Goodman, et al
2024
 - **An update on drug-drug interactions in older adults living with human immunodeficiency virus (HIV).** *Expert review of clinical pharmacology*
Linfield, R. Y., Nguyen, N. N., Laprade, O. H., Holodniy, M., Chary, A.
2024
 - **Immunomodulators for immunocompromised patients hospitalized for COVID-19: a meta-analysis of randomized controlled trials.** *EClinicalMedicine*
Siempos, I. I., Kalil, A. C., Belhadi, D., Veiga, V. C., Cavalcanti, A. B., Branch-Elliman, W., Papoutsis, E., Gkirkiris, K., Xixi, N. A., Kotanidou, A., Hermine, O., Porcher, R., Mariette, et al
2024; 69: 102472
 - **Viral and Host Factors Are Associated With Mortality in Hospitalized Patients With COVID-19.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*
Aggarwal, N. R., Nordwall, J., Braun, D. L., Chung, L., Coslet, J., Der, T., Eriobu, N., Ginde, A. A., Hayanga, A. J., Highbarger, H., Holodniy, M., Horcajada, J. P., Jain, et al
2024
 - **Epidemiology of the 2022 Mpox Outbreak in the US Veterans Health Administration.** *The Journal of infectious diseases*
Lucero-Obusan, C., Oda, G., Schirmer, P., Edson, C., Trevino, C., Elbeik, T., Holodniy, M.
2023
 - **Effect of Neutralizing Monoclonal Antibody Treatment on Early Trajectories of Virologic and Immunologic Biomarkers in Patients Hospitalized With COVID-19.** *The Journal of infectious diseases*
Jensen, T. O., Grandits, G. A., Jain, M. K., Murray, T. A., Grund, B., Shaw-Saliba, K., Matthay, M. A., Abassi, M., Ardelt, M., Baker, J. V., Chen, P., Dewar, R. L., Goodman, et al
2023
 - **Risk of Hospitalization and Mortality Following Medically Attended Norovirus Infection-Veterans Health Administration, 2010-2018.** *Open forum infectious diseases*
Cates, J., Cardemil, C. V., Mirza, S. A., Lopman, B., Hall, A. J., Holodniy, M., Lucero-Obusan, C.
2023; 10 (11): ofad556
 - **Nationwide Genomic Surveillance and Response to COVID-19: The VA SeqFORCE and SeqCURE Consortiums.** *Federal practitioner : for the health care professionals of the VA, DoD, and PHS*
Krishnan, J., Woods, C. W., Holodniy, M., Nicholson, B. P., Marconi, V. C., Ammons, M. C., Jinadatha, C., Pyarajan, S., Wang-Rodriguez, J., Garcia, A. P., Battles, J. K.
2023; 40 (11 Suppl 5): S44-S47
 - **Integrative analyses highlight functional regulatory variants associated with neuropsychiatric diseases.** *Nature genetics*
Guo, M. G., Reynolds, D. L., Ang, C. E., Liu, Y., Zhao, Y., Donohue, L. K., Siprashvili, Z., Yang, X., Yoo, Y., Mondal, S., Hong, A., Kain, J., Meservey, et al
2023
 - **Effectiveness of Smallpox Vaccination to Prevent Mpox in Military Personnel.** *The New England journal of medicine*
Titanji, B. K., Eick-Cost, A., Partan, E. S., Epstein, L., Wells, N., Stahlman, S. L., Devineni, P., Munyoki, B., Pyarajan, S., Balajee, A., Smith, J., Woods, C. W., Holodniy, et al
2023; 389 (12): 1147-1148
 - **Epidemiology of Coccidioidomycosis in the Veterans Health Administration, 2013-2022.** *Journal of fungi (Basel, Switzerland)*
Lucero-Obusan, C., Deka, R., Schirmer, P., Oda, G., Holodniy, M.

2023; 9 (7)

- **Early Outcomes of SARS-CoV-2 Infection in a Multisite Prospective Cohort of Inpatient Veterans.** *Open forum infectious diseases*
Ross, J. M., Sugimoto, J. D., Timmons, A., Adams, J., Deardoff, K., Korpak, A., Liu, C., Moore, K., Wilson, D., Bedimo, R., Chang, K. M., Cho, K., Crothers, et al
2023; 10 (7): ofad330
- **Trends in Follow-up Testing Among Patients Positive for Chlamydia and Gonorrhea in the Veterans Health Administration, 2013 to 2019** *SEXUALLY TRANSMITTED DISEASES*
Schirmer, P., Sharma, A., Lucero-Obusan, C., Oda, G., Holodniy, M.
2023; 50 (5): 258-264
- **The US Department of Veterans Affairs Science and Health Initiative to Combat Infectious and Emerging Life-Threatening Diseases (VA SHIELD): A Biorepository Addressing National Health Threats.** *Open forum infectious diseases*
Harley, J. B., Pyarajan, S., Partan, E. S., Epstein, L., Wertheim, J. A., Diwan, A., Woods, C. W., Davey, V., Blair, S., Clark, D. H., Kaufman, K. M., Khan, S., Chepelev, et al
2022; 9 (12): ofac641
- **Baricitinib versus dexamethasone for adults hospitalised with COVID-19 (ACTT-4): a randomised, double-blind, double placebo-controlled trial.** *The Lancet. Respiratory medicine*
Wolfe, C. R., Tomashek, K. M., Patterson, T. F., Gomez, C. A., Marconi, V. C., Jain, M. K., Yang, O. O., Paules, C. I., Palacios, G. M., Grossberg, R., Harkins, M. S., Mularski, R. A., Erdmann, et al
2022; 10 (9): 888-899
- **Exposure Sources Among Veterans With Elevated Blood Lead Levels, United States, 2015–2021.** *American journal of public health*
Oda, G., Sharma, A., Lucero-Obusan, C., Schirmer, P., Holodniy, M.
2022; 112 (S7): S670-S678
- **Efficacy and Safety of Ensovibep for Adults Hospitalized With COVID-19 : A Randomized Controlled Trial.** *Annals of internal medicine*
Barkauskas, C., Mylonakis, E., Poulakou, G., Young, B. E., Vock, D. M., Siegel, L., Engen, N., Grandits, G., Mosaly, N. R., Vekstein, A. M., Rogers, R., Shehadeh, F., Kaczynski, et al
2022; 175 (9): 1266-1274
- **The Association of Baseline Plasma SARS-CoV-2 Nucleocapsid Antigen Level and Outcomes in Patients Hospitalized With COVID-19.** *Annals of internal medicine*
2022
- **Effectiveness of mRNA COVID-19 vaccines against Omicron and Delta variants in a matched test-negative case-control study among US veterans.** *BMJ open*
Young-Xu, Y., Zwain, G. M., Izurieta, H. S., Korves, C., Powell, E. I., Smith, J., Balajee, A., Holodniy, M., Beenhouwer, D. O., Rodriguez-Barradas, M. C., Brown, S. T., Marconi, V. C.
2022; 12 (8): e063935
- **Risk Factors for Acute Gastroenteritis Among Patients Hospitalized in 5 Veterans Affairs Medical Centers, 2016-2019.** *Open forum infectious diseases*
Balachandran, N., Cates, J., Kambhampati, A. K., Marconi, V. C., Whitmire, A., Morales, E., Brown, S. T., Lama, D., Rodriguez-Barradas, M. C., Moronez, R. G., Dominguez, G. R., Beenhouwer, D. O., Poteskhina, et al
2022; 9 (8): ofac339
- **Evaluation of independent self-collected blood specimens for COVID-19 antibody detection among the US veteran population.** *Diagnostic microbiology and infectious disease*
Mohammed, T., Brewer, J. V., Pyatt, M., Whitbourne, S. B., Gaziano, J. M., Edson, C., Holodniy, M.
2022; 104 (2): 115770
- **Association of Secretor Status and Recent Norovirus Infection With Gut Microbiome Diversity Metrics in a Veterans Affairs Population.** *Open forum infectious diseases*
Johnson, J. A., Read, T. D., Petit, R. A., Marconi, V. C., Meagley, K. L., Rodriguez-Barradas, M. C., Beenhouwer, D. O., Brown, S. T., Holodniy, M., Lucero-Obusan, C. A., Schirmer, P., Ingersoll, J. M., Kraft, et al
2022; 9 (5): ofac125
- **Effectiveness of mRNA-based vaccines during the emergence of SARS-CoV-2 Omicron variant.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*

Sharma, A., Oda, G., Holodniy, M.
2022

- **Public health surveillance in the U.S. Department of Veterans Affairs: evaluation of the Praedico surveillance system.** *BMC public health*
Lucero-Obusan, C., Oda, G., Mostaghimi, A., Schirmer, P., Holodniy, M.
2022; 22 (1): 272
- **SARS-CoV-2 Illness Severity and Early Hospitalization Outcomes in a Multicenter Prospective Cohort Study Among Veterans** *IDWeek*
Ross, J., Sugimoto, J., Timmons, A., Moore, K., Adams, J., Wilson, D., Liu, C., Deardoff, K., Korpak, A., Chang, K., Cho, K., Crothers, K., Gaziano, et al
2022: S197
- **Trends in Follow-up Testing among Patients Positive for Chlamydia and Gonorrhea in the Veterans Health Administration (VHA), 2013-2019** *IDWeek*
Schirmer, P., Sharma, A., Lucero-Obusan, C., Oda, G., Holodniy, M.
2022: S906
- **Receipt of Influenza Vaccination as Predictor of COVID-19 Vaccination among United States Veterans** *IDWeek*
Oda, G., Sharma, A., Lucero-Obusan, C., Schirmer, P., Holodniy, M.
2022: S780
- **Implementation of large-scale laboratory-based detection of COVID-19 in the Veterans Health Administration, March 2020 - February 2021.** *Diagnostic microbiology and infectious disease*
Sharma, A., Oda, G., Icardi, M., Mole, L., Holodniy, M.
1800; 102 (3): 115617
- **Efficacy of interferon beta-1a plus remdesivir compared with remdesivir alone in hospitalised adults with COVID-19: a double-blind, randomised, placebo-controlled, phase 3 trial.** *The Lancet. Respiratory medicine*
Kalil, A. C., Mehta, A. K., Patterson, T. F., Erdmann, N., Gomez, C. A., Jain, M. K., Wolfe, C. R., Ruiz-Palacios, G. M., Kline, S., Regalado Pineda, J., Luetkemeyer, A. F., Harkins, M. S., Jackson, et al
2021
- **Reduced Mortality With Ondansetron Use in SARS-CoV-2-Infected Inpatients.** *Open forum infectious diseases*
Bayat, V., Ryono, R., Phelps, S., Geis, E., Sedghi, F., Etmiani, P., Holodniy, M.
2021; 8 (7): ofab336
- **Respiratory co-infections with COVID-19 in the Veterans Health Administration, 2020.** *Diagnostic microbiology and infectious disease*
Schirmer, P. n., Lucero-Obusan, C. n., Sharma, A. n., Sohoni, P. n., Oda, G. n., Holodniy, M. n.
2021; 100 (1): 115312
- **COVID-19 At-Home Capillary Blood Specimen Collection Pilot – Gaining Insight into Independent Self- Collection of Blood Specimens and COVID-19 Within the Veteran Population** *IDWeek*
Mohammed, T., Brewer, J., Pyatt, M., Casas, J., Whitbourne, S., Gaziano, M., Edson, C., Holodniy, M.
2021: 593-594
- **Risk Factors for Acute Gastroenteritis Among Patients Hospitalized in 5 Veterans Affairs Medical Centers, 2016–19** *IDWeek*
Balachandran, N., Cates, J., Kambhampati, A., Marconi, V., Brown, S., Rodriguez-Barradas, M., Beenhouwer, D., Holodniy, M., Lucero-Obusan, C., Cardemil, C., Parashar, U., Mirza, S.
2021: S451
- **Diphtheria in Veterans Health Administration (VHA), 2000-2021** *IDWeek*
Schirmer, P., Lucero-Obusan, C., Sharma, A., Oda, G., Holodniy, M.
2021: S692
- **COVID-19 Vaccine Breakthrough Hospitalizations and Deaths in the Veterans Health Administration** *IDWeek*
Oda, G., Sharma, A., Lucero-Obusan, C., Schirmer, P., Holodniy, M., Edson, C., Khaksar, R.
2021: S61–S62
- **Influenza Surveillance in the Veterans Health Administration (VHA): 2020-2021 Season** *IDWeek*
Lucero, C., Schirmer, P., Oda, G., Holodniy, M.
2021: S803

- **Adapting the Surveillance Platform for Enteric and Respiratory Infectious Organisms at United States Veterans Affairs Medical Centers (SUPERNOVA) for COVID-19 Among Hospitalized Adults: Surveillance Protocol.** *Frontiers in public health*
Meites, E., Bajema, K. L., Kambhampati, A., Prill, M., Marconi, V. C., Brown, S. T., Rodriguez-Barradas, M. C., Beenhouwer, D. O., Holodniy, M., Lucero-Obusan, C., Cardemil, C., Cates, J., Surie, et al
2021; 9: 739076
- **From implementation to sustainment: A large-scale adverse event disclosure support program generated through embedded research in the Veterans Health Administration.** *Healthcare (Amsterdam, Netherlands)*
Elwy, A. R., Maguire, E. M., McCullough, M., George, J., Bokhour, B. G., Durfee, J. M., Martinello, R. A., Wagner, T. H., Asch, S. M., Gifford, A. L., Gallagher, T. H., Walker, Y., Sharpe, et al
2021; 8 Suppl 1: 100496
- **Comparative Effectiveness and Antibody Responses to Moderna and Pfizer-BioNTech COVID-19 Vaccines among Hospitalized Veterans - Five Veterans Affairs Medical Centers, United States, February 1-September 30, 2021.** *MMWR. Morbidity and mortality weekly report*
Bajema, K. L., Dahl, R. M., Evener, S. L., Prill, M. M., Rodriguez-Barradas, M. C., Marconi, V. C., Beenhouwer, D. O., Holodniy, M., Lucero-Obusan, C., Brown, S. T., Tremarelli, M., Epperson, M., Mills, et al
2021; 70 (49): 1700-1705
- **Effectiveness of COVID-19 mRNA Vaccines Against COVID-19-Associated Hospitalization - Five Veterans Affairs Medical Centers, United States, February 1-August 6, 2021.** *MMWR. Morbidity and mortality weekly report*
Bajema, K. L., Dahl, R. M., Prill, M. M., Meites, E., Rodriguez-Barradas, M. C., Marconi, V. C., Beenhouwer, D. O., Brown, S. T., Holodniy, M., Lucero-Obusan, C., Rivera-Dominguez, G., Morones, R. G., Whitmire, et al
2021; 70 (37): 1294-1299
- **COVID-19 Infections Among Healthcare Personnel in the United States Veterans Health Administration, March - August, 2020.** *Journal of occupational and environmental medicine*
Oda, G., Sharma, A., Lucero-Obusan, C., Schirmer, P., Sohoni, P., Holodniy, M.
2020
- **Candida auris in the US Department of Veterans' Affairs (VA)**
Lucero-Obusan, C., Schirmer, P., Oda, G., Holodniy, M.
CAMBRIDGE UNIV PRESS.2020: S146
- **Lessons Learned From a Decade of Dental Lookback Investigations in the Department of Veterans' Affairs (VA): 2009-2019**
Schirmer, P., Lucero-Obusan, C., Oda, G., West, G., Holodniy, M.
CAMBRIDGE UNIV PRESS.2020: S310-S311
- **Prevalence of Drug-Resistant Mycobacterium tuberculosis in the Veterans Health Administration (VHA)**
Oda, G., Lucero-Obusan, C., Schirmer, P., Holodniy, M.
CAMBRIDGE UNIV PRESS.2020: S357-S359
- **Lack of Evidence of Transmission of Bloodborne Viruses by Improperly Reprocessed Fiberoptic Endoscopes**
Sellick, J., Oda, G., Schirmer, P., Lucero-Obusan, C., Holodniy, M.
CAMBRIDGE UNIV PRESS.2020: S309-S310
- **A SARS-CoV-2 Prediction Model from Standard Laboratory Tests.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*
Bayat, V., Phelps, S., Ryono, R., Lee, C., Parekh, H., Mewton, J., Sedghi, F., Etminani, P., Holodniy, M.
2020
- **Remdesivir for the Treatment of Covid-19 - Preliminary Report.** *The New England journal of medicine*
Beigel, J. H., Tomashek, K. M., Dodd, L. E., Mehta, A. K., Zingman, B. S., Kalil, A. C., Hohmann, E., Chu, H. Y., Luetkemeyer, A., Kline, S., Lopez de Castilla, D., Finberg, R. W., Dierberg, et al
2020
- **Remdesivir for the treatment of COVID-19 - Final Report (Adaptive COVID-19 Treatment Trial (ACTT-1))** *The New England Journal of Medicine*
Study Team, M.
2020
- **Molecular testing for acute respiratory tract infections: clinical and diagnostic recommendations from the IDSA's Diagnostics Committee.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*

- Hanson, K. E., Azar, M. M., Banerjee, R., Chou, A., Colgrove, R. C., Ginocchio, C. C., Hayden, M. K., Holodniy, M., Jain, S., Koo, S., Levy, J., Timbrook, T. T., Caliendo, et al
2020
- **Covid-19 Testing, Hospital Admission, and Intensive Care Among 2,026,227 United States Veterans Aged 54-75 Years.** *medRxiv : the preprint server for health sciences*
Rentsch, C. T., Kidwai-Khan, F., Tate, J. P., Park, L. S., King, J. T., Skanderson, M., Hauser, R. G., Schultze, A., Jarvis, C. I., Holodniy, M., Re, V. L., Akgün, K. M., Crothers, et al
2020
 - **Risk for In-Hospital Complications Associated with COVID-19 and Influenza - Veterans Health Administration, United States, October 1, 2018-May 31, 2020.** *MMWR. Morbidity and mortality weekly report*
Cates, J. n., Lucero-Obusan, C. n., Dahl, R. M., Schirmer, P. n., Garg, S. n., Oda, G. n., Hall, A. J., Langley, G. n., Havers, F. P., Holodniy, M. n., Cardemil, C. V.
2020; 69 (42): 1528–34
 - **Baricitinib plus Remdesivir for Hospitalized Adults with COVID-19 (Adaptive COVID-19 Treatment Trial (ACTT-2))** *The New England Journal of Medicine*
Study Team, M.
2020
 - **Assessment and Capability of SARS-CoV-2 Detection in the Veterans Health Administration** *IDWeek*
Sharma, A., Oda, G., Holodniy, M.
2020
 - **Comparative Assessment of Multiple SARS-CoV-2 Antibody and Neutralization Assays from Blood Samples in COVID-19 Infected Patients** *IDWeek*
Dewar, R., Trevino, C., Lallemand, P., Highbarger, H., Elbeik, T., Rehman, T., Holbrook, M., Schmaljohn, C., Lane, C., Chary, A., Holodniy, M.
2020
 - **Influenza Surveillance in the U.S. Department of Veterans Affairs (VA): 2019-2020 Season** *IDWeek*
Lucero-Obusan, C., Schirmer, P., Oda, G., Holodniy, M.
2020
 - **Gonorrhea Testing and Ceftriaxone Resistance in the Department of Veterans Affairs (VA)** *IDWeek*
Schirmer, P., Lucero-Obusan, C., Oda, G., Holodniy, M.
2020
 - **Respiratory Coinfections with COVID-19 in Veterans Health Administration (VA), 2020** *IDWeek*
Schirmer, T., Lucero-Obusan, C., Sharma, A., Sohini, P., Oda, G., Holodniy, M.
2020
 - **Respiratory Syncytial Virus (RSV) Surveillance in the Department of Veterans Affairs (VA), 2010-2018** *IDWeek*
Lucero-Obusan, C., Schirmer, T., Oda, G., Holodniy, M.
2020
 - **Covid-19 by Race and Ethnicity: A National Cohort Study of 6 Million United States Veterans.** *medRxiv : the preprint server for health sciences*
Rentsch, C. T., Kidwai-Khan, F. n., Tate, J. P., Park, L. S., King, J. T., Skanderson, M. n., Hauser, R. G., Schultze, A. n., Jarvis, C. I., Holodniy, M. n., Re, V. L., Akgün, K. M., Crothers, et al
2020
 - **COVID-19-associated hospitalization rates and severe outcomes among Veterans from 5 Veteran Affairs Medical Centers, February 27-July 17, 2020: Hospital-Based Surveillance.** *JMIR public health and surveillance*
Cardemil, C. V., Dahl, R. n., Prill, M. M., Cates, J. n., Brown, S. n., Perea, A. n., Marconi, V. n., Bell, L. n., Rodriguez-Barradas, M. n., Rivera-Dominguez, G. n., Beenhouwer, D. n., Poteshkina, A. n., Holodniy, et al
2020
 - **Baricitinib plus Remdesivir for Hospitalized Adults with Covid-19.** *The New England journal of medicine*
Kalil, A. C., Patterson, T. F., Mehta, A. K., Tomashek, K. M., Wolfe, C. R., Ghazaryan, V. n., Marconi, V. C., Ruiz-Palacios, G. M., Hsieh, L. n., Kline, S. n., Tapson, V. n., Iovine, N. M., Jain, et al
2020

- **Patterns of COVID-19 testing and mortality by race and ethnicity among United States veterans: A nationwide cohort study.** *PLoS medicine*
Rentsch, C. T., Kidwai-Khan, F. n., Tate, J. P., Park, L. S., King, J. T., Skanderson, M. n., Hauser, R. G., Schultze, A. n., Jarvis, C. I., Holodniy, M. n., Lo Re, V. n., Akgün, K. M., Crothers, et al
2020; 17 (9): e1003379
- **Incidence, etiology, and severity of acute gastroenteritis among prospectively enrolled patients in 4 Veterans Affairs hospitals and outpatient centers, 2016-18.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*
Cardemil, C. V., Balachandran, N. n., Kambhampati, A. n., Grytdal, S. n., Dahl, R. M., Rodriguez-Barradas, M. C., Vargas, B. n., Beenhouwer, D. O., Evangelista, K. V., Marconi, V. C., Meagley, K. L., Brown, S. T., Perea, et al
2020
- **Companion and complementary diagnostics for infectious diseases.** *Expert review of molecular diagnostics*
Dailey, P. J., Elbeik, T. n., Holodniy, M. n.
2020
- **Notes from the Field: Unexplained Dermatologic, Respiratory, and Ophthalmic Symptoms Among Health Care Personnel at a Hospital - West Virginia, November 2017-January 2018.** *MMWR. Morbidity and mortality weekly report*
Lucas, T. J., Holodniy, M., de Perio, M. A., Perkins, K. M., Benowitz, I., Jackson, D., Kracalik, I., Grant, M., Oda, G., Powell, K. M.
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