

Jennifer L. Zipprich (Niessen), PhD, MPhil, MIS

Minneapolis, MN 55435 | jennifer.zipprich@state.mn.us

EDUCATION

Columbia University, New York, NY

PhD, Environmental Health Sciences (Molecular Toxicology), 2007 — *Distinction*

Dissertation: The Role of Oxidative Stress, XRCC1 Genotype, and DNA Repair Phenotype in Breast Cancer

MPhil, Environmental Health Sciences, 2003

Virginia Commonwealth University, Richmond, VA

MIS (equivalent to MS), Environmental Studies, 2000

Saint Louis University, St. Louis, MO

BS, Biology, 1997 — *cum laude*

PROFESSIONAL EXPERIENCE

Minnesota Department of Health

Epidemiologist Supervisor, Emerging Infections Unit | 2018–Present

- Lead CDC Emerging Infections Program (EIP) surveillance and special studies
- Direct surveillance systems including Active Bacterial Core Surveillance (ABCs)
- Lead outbreak response for invasive bacterial diseases (Hib, IMD, iGAS)
- Directed COVID-19 response in carceral and homeless service settings
- Coordinated statewide guidance through Incident Command Structure

Assistant Division Director (Acting) | 2023–2025

- Evaluated STI/HIV surveillance systems
 - Established congenital syphilis surveillance modeled after SET-NET
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California Department of Public Health

Epidemiologist Supervisor, Vaccine Preventable Disease Epidemiology | 2010–2018

- Led measles, pertussis, and rubella outbreak investigations
 - Directed Perinatal Hepatitis B Prevention Program
 - Oversaw CDC ELC-funded surveillance projects
 - Supervised epidemiology staff and managed program operations
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Centers for Disease Control and Prevention (CDC)

Epidemic Intelligence Service (EIS) Officer | 2008–2010

- Led investigations on H1N1, meningococcal disease, and occupational exposures
 - Conducted epidemiologic analyses on TB and autism
 - Deputy Operations Chief during H1N1 Emergency Response
 - Commissioned Officer, U.S. Public Health Service
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PUBLICATIONS

Grome HN, Brandenburg JM, Kent AG, Curtis L, Raymond RE, Ansari U, Gargis AS, McKay SL, Parker E, Driscoll J, Hoetzer K, Johnston H, McKenzie DR, Rebolledo PA, Luckman E, Wilson LE, Garcia M, Zipprich J, Hoffman MR, Flores KG, Tellerman J, Dumyati G, O'Brien S, Muleta DB, Denzie O, Guh AY. Extraintestinal Invasive *Escherichia coli* Infections in the US. *JAMA Netw Open*. 2026 Feb 2;9(2):e2557201.

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Porter LJ, Rapheal E, Huebsch R, Bastian T, Robinson TJ, Chakoian H, Martin KG, Zipprich J. Development and Evaluation of Surveillance System for Identifying Jail-Associated COVID-19 Cases in Minnesota, USA, 2022. *Emerg Infect Dis*. 2024 Apr;30(13):S28-S35.

D'Inverno AS, Myles RL, Jamison CR, Williams SP, Hagan LM, Handanagic S, Lambert LA, Clarke KEN, Allen J, Beard O, Dusseau C, Feldman R, Huebsch R, Hutchinson J, Kall D, King-Mohr J, Long M, McClure ES, Meddaugh P, Pontones P, Rose J, Sredl M, VonBank B, Zipprich J. Racial, Ethnic, Sex, and Age Differences in COVID-19 Cases, Hospitalizations, and Deaths Among Incarcerated People and Staff in Correctional Facilities in Six

Jurisdictions, United States, March-July 2020. *J Racial Ethn Health Disparities*. 2024 Oct;11(5):2848-2872.

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Worden L, Ackley SF, Zipprich J, et al. Measles transmission during a large outbreak in California. *Epidemics*. 2020;30:100375. doi:10.1016/j.epidem.2019.100375.

Ackley SF, Enanoria WTA, Hacker J, Worden L, Porco TC, Zipprich J. (2018). Genotype-Specific Measles Transmissibility: A Branching Process Analysis. *Clin Infect Dis*. 66(8):1270-1275.

Winter K, Zipprich J, Harriman K. (2018). Pertussis in California: A Tale of 2 Epidemics. *Pediatr Infect Dis J*. 37 (4): 324-328.

Burgis JC, Kong D, Salibay C, Zipprich J, Harriman K, So S. (2017). Perinatal Transmission in Infants of Mothers with Chronic Hepatitis B in California. *World J Gastroenterol*. 23 (27):4942-4949.

Wendorf KA, Winter K, Zipprich J, Schechter R, Hacker JK, Preas C, Cherry JD, Glaser C, Harriman K. (2017). Subacute Sclerosing Panencephalitis: The Devastating Measles Complication that Might be More Common than Previously Estimated. *Clin Infect Dis* 65 (2): 226-232.

Enanoria WT, Liu F, Zipprich J, Harriman K, Ackley S, Blumberg S, Worden L, Porco TC (2016). The Effect of Contact Investigations and Public Health Interventions in the Control and Prevention of Measles Transmission: A Simulation Study. *PLoS One* 11(12):e0167160.

Winter K, J Zipprich, K Harriman, EL Murray, J Gornbein, SJ Hammer, N Yeganeh, K Adachi and JD Cherry (2015). Risk Factors Associated With Infant Deaths From Pertussis: A Case-Control Study. *Clin Infect Dis* 61(7): 1099-1106.

Liu F, WT Enanoria, J Zipprich, S Blumberg, K Harriman, SF Ackley, WD Wheaton, JL Allpress and TC Porco (2015). The role of vaccination coverage, individual behaviors, and the public health response in the control of measles epidemics: an agent-based simulation for California. *BMC Public Health* 15: 447.

Leung J, AS Lopez, J Blostein, N Thayer, J Zipprich, A Clayton, V Buttery, J Andersen, CA Thomas, M Del Rosario, K Seetoo, T Woodall, R Wiseman and SR Bialek (2015). Impact of the US Two-dose Varicella Vaccination Program on the Epidemiology of Varicella Outbreaks: Data from Nine States, 2005-2012. *Pediatr Infect Dis J* 34(10): 1105-1109.

Beckman S, B Materna, S Goldmacher, J Zipprich, M D'Alessandro, D Novak and R Harrison (2013). Evaluation of respiratory protection programs and practices in California hospitals during the 2009-2010 H1N1 influenza pandemic. *Am J Infect Control* 41(11): 1024-1031.

Copeland DL, R Basurto-Davila, W Chung, A Kurian, DB Fishbein, P Szymanowski, J Zipprich, H Lipman, MS Cetron, MI Meltzer and F Averhoff (2013). Effectiveness of a school district closure for pandemic influenza A (H1N1) on acute respiratory illnesses in the community: a natural experiment. *Clin Infect Dis* 56(4): 509-516.

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Morbidity Mortality Weekly Report (MMWR)

Contag S, Dufort EM, Lim S, Winkelman T, Zipprich J, Erickson L, Anacker M, Rai NK, Ojo K, Kvasager D, Kunerth HD, Dudley RA, Gahr P, Bergmann KR, Chamberlain AM, Martins S, Waring S, Westgard B, Sweet K, Drawz P, Lynfield R. Notes from the Field: Human

Parvovirus B19 Infections Among Pregnant Persons - Minnesota, January-September 2024. MMWR Morb Mortal Wkly Rep. 2024 Nov 28;73(47):1087-1089.

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Barnes M, Youngkin E, Zipprich J, Bilski K, Gregory CJ, Dominguez SR, Mumm E, McMahon M, Como-Sabetti K, Lynfield R, Chochua S, Onukwube J, Arvay M, Herlihy R. Notes from the Field: Increase in Pediatric Invasive Group A Streptococcus Infections - Colorado and Minnesota, October-December 2022. MMWR Morb Mortal Wkly Rep. 2023 Mar 10;72(10):265-267.

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Yen, C, E Murray, J Zipprich, K Winter and K Harriman (2015). Missed opportunities for tetanus postexposure prophylaxis--California, January 2008-March 2014. MMWR Morb Mortal Wkly Rep 64(9): 243-246.

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Zipprich, J, JK Hacker, EL Murray, D Xia, K Harriman and C Glaser (2014). Notes from the field: measles - California, January 1-April 18, 2014. MMWR Morb Mortal Wkly Rep 63(16): 362-363.

Kodagoda, D, A Nelson El Amin, V Nguyen, J Holguin, J Zipprich, K Harriman, K Winter, J Talarico, D Wadford, C Preas, C Mikosz. Measles Outbreak Associated with an Arriving Refugee — Los Angeles County, California, August–September 2011. *MMWR*, 60(21);385-389.

Zipprich, J, K Harriman, J Talarico, C Edwards, D Blythe, D Shah, J Morillo, S Smith, D Hopfensperger, S Tsering, G Wallace, A Barskey, P Kutty, G Armstrong, K Marienau, J Berliet, K Ross, C Schembri, H Burke, D Lee, S Shetty, M Weinberg, W Zhou, M Said, E Taylor. Notes from the Field: Measles Among U.S.-Bound Refugees from Malaysia --- California, Maryland, North Carolina, and Wisconsin, August--September 2011. *MMWR*, 60(37);1281-1282.

Zipprich, J, EL Murray, K Winter, D Kong, K Harriman, C Preas, D Wadford, S Messenger, J Talarico, JP Watt, J Berreman, B Gregory, Pat Cameron, MSN, Brad Buchman, MD, University Health Svcs, Univ of California, Berkeley. Jonathan J. Nunez. Mumps Outbreak on a University Campus – California, 2011. December 7, 2012 / *MMWR*, 61(48);986-989.

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AWARDS & HONORS

- NPHIC Public Health Communications Award (2015)
- Ebola Response Outstanding Achievement Award (2015)
- USPHS Outstanding Unit Citation (2010)
- CDC & CDPH Recognition for H1N1 Response (2009)

PROFESSIONAL SERVICE

- Advisory Committee on Immunization Practices (ACIP), Hepatitis Work Group member
- Reviewer: *Pediatrics, Vaccine, Emerging Infectious Diseases*
- Member: Council of State and Territorial Epidemiologists

