

CURRICULUM VITAE

Ruth Lynfield, M.D.

Contact Information Minnesota Department of Health
PO Box 64975
625 Robert Street North
St. Paul, MN 55164
(651)201-5422
ruth.lynfield@state.mn.us

Current Appointments

State Epidemiologist, Minnesota Department of Health (2007)

Medical Director, Minnesota Department of Health (2010)

Adjunct Professor of Medicine, University of Minnesota (2011)

Adjunct Professor of Epidemiology, University of Minnesota (2018)

Prior Appointments

2006-2011 Adjunct Associate Professor of Medicine, University of Minnesota (UMN)

2006-2017 Adjunct Assistant Professor of Epidemiology, UMN

2003-2010 Medical Director, Infectious Disease Epidemiology, Prevention and Control Division, Minnesota Department of Health (MDH)

2000-2007 Supervisor, Emerging Infections Unit, MDH

1999-2000 Acting Supervisor, HIV and Emerging Infections Unit, MDH

December 1997- Medical Epidemiologist, MDH

November 1992- Assistant Director, New England Regional Newborn Screening Program
August 1997 Massachusetts State Laboratory and Department of Health, Boston, MA

February 1992- Attending, Pediatric Infectious Diseases
June 1997 Massachusetts General Hospital, Boston, MA

1992-1997 Instructor in Pediatrics
Harvard Medical School, Boston, MA

Education and Postdoctoral Training

1981 B.S. (Microbiology, Honors and Distinction), Cornell University, Ithaca, NY
1985 M.D., Cornell University Medical College, New York, NY
July 1985-June 1988 Internship and Residency in Pediatrics, Massachusetts General Hospital, Boston
July 1988-Jan. 1992 Fellowship Pediatric Infectious Diseases, Massachusetts General Hospital, Boston

Board Certification

1994 (re-certified 2001, 2008, 2019, 2024) Pediatric Infectious Diseases

Medical Licensure

1987-1998 Massachusetts (# 57901)
1997-present Minnesota (# 40312)

Awards

Charles C. Shepard Science Award 2004 (Prevention and Control), 2007(Prevention and Control), 2011 (Assessment and Epidemiology), 2017 (Assessment), CDC

Alexander Langmuir Prize Manuscript 2009, CDC

James H. Nakano Citation 2006, CDC

Community Partnership Award (Biostatistics) 2011, UMN

41st Annual Joseph E. Smadel Lectureship, 2017, IDSA

Champion of the Public Health Laboratory Award, 2018, Association of Public Health Laboratories

Council of State and Territorial Epidemiologists Distinguished Leader Award, 2020

Minnesota Medical Association President's Award for Distinguished Service, 2020

Cornell University Medical School Alumnus of the Year, 2025

Minnesota Public Health Association, Harvey G. Rogers Environmental Health Leadership Award, 2025

Federal Advisory Committees

September 2012- February 2017: National Vaccine Advisory Committee

April 2014-January 2018: Vaccine and Related Biological Products Advisory Committee, FDA

July 2014- March 2022: Board of Scientific Counselors (BSC), Office of Infectious Diseases, CDC
(*Chair* May 2018-March 2022)

Pan American Health Organization

2015-2024: U.S. National Certification Committee, Polio (*Chair 2022-2024*)

Centers for Disease Control and Prevention Committees and Advisory Groups

Ongoing:

1999-present: Emerging Infections Program (EIP) Steering Committee (*Co-chair 2008-present*)

2000-present: Active Bacterial Core Surveillance Steering Committee

2009-present: EIP Healthcare Associated Infections-Community Interface Steering Committee

2017-present: Advanced Molecular Detection EIP Workgroup (*Co-chair*)

2018-2023: Acute Flaccid Myelitis Taskforce of the BSC (*Co-chair 2018- March 2022*)

2022-2023: Laboratory Work Group for the Advisory Committee for the Director

2022-present: Advisory Committee of Immunization Practices, Adult RSV Vaccine Work Group

2025-present: U.S. National Certification Committee, Polio (*Chair 2025-present*)

Antibiotic Resistance Related:

July 2002: Expert Consultants Meeting on Vancomycin-Resistant *Staphylococcus aureus*

September 2002: Experts Meeting on Community-Onset Methicillin-Resistant *Staphylococcus aureus*

July 2004: Community-Associated Methicillin Resistant *Staphylococcus aureus* Working Group

December 2007: Consultant for revision of *Public Health Action Plan to Combat Antimicrobial Resistance*

August 2008: Experts Meeting on *Staphylococcus* Colonization

September 2008: Surveillance for Multi-Drug Resistant Organisms

February 2011: CDC-SHEA meeting on Antimicrobial Stewardship (IDSA representative)

December 2011: Strategic Priorities for Combating Antimicrobial Resistant Infections

2012-2014: Antimicrobial Resistance Working Group of the Office of Infectious Diseases, CDC Board of Scientific Counselors, CDC

March, July, October 2015: Outpatient Antibiotic Prescribing: Setting a National Goal for Reducing Inappropriate Use, CDC and Pew

May 2015, May 2016: Inpatient Antibiotic Prescribing: Setting a National Goal for Reducing Inappropriate Use, CDC and Pew

December 2016: Antibiotic Stewardship in Long-Term Care Facilities, CDC and Pew

Other:

October 1998: National Workshop on Toxoplasmosis: Preventing Congenital Toxoplasmosis

October 2001, June 2009: Working Group to Re-evaluate Perinatal Group B Streptococcal Prevention Guidelines

2003: Emerging Infections Program Unexplained Death Steering Committee

February 2004: Emerging Infections Program Respiratory Disease Activity Steering Committee

July 2005, July 2013, October 2013, June 2014: Special Emphasis Panels

May 2008: Pandemic Influenza in Vulnerable Populations, Work Group Consultation

August 2010: Pandemic Impact and Severity

November 2010-December 2013: Board of Scientific Counselors, Office of Infectious Diseases, CDC (IDSA representative)

July 2011: Pandemic Severity and Community Mitigation

October 2011- April 2012: Nurse Triage Line as a Response to Pandemic Influenza (ASTHO, NACCHO and CDC)

October 2012: Rabies Program Review

May 2013: Smallpox Vaccine Draft Clinical Guidelines project, CDC, NACCHO, AAP

March 2014: Right Size Influenza Stakeholder Meeting, APHL, CSTE and CDC

2015-2019: Advisory Committee of Immunization Practices, Meningococcal Work Group

December 2016: Review of the Advanced Molecular Detection Program, CDC

November 2017: Review of Priorities for National STD laboratory, CDC

November 2017: Consultation for Update of Laboratory Guidelines for Syphilis, CDC and APHL

April 2018: Review of Influenza Surveillance, CDC

June 2018 and August 2018: Forecasting for Influenza and Dengue, CDC and CSTE

June 2022: Quantitative Tools and Data Opportunities for Pandemic Surveillance and Response Conference, Harvard University and CDC

Other HHS:

April 2013: Smallpox Vaccine Response Strategy: Science and Response Officials Tabletop Exercise, Health and Human Services, Washington, D.C.

September 2011: Developing Priorities for Public Health Genomics 2012-2017, Bethesda MD

November 2016: Assistant Secretary for Preparedness and Response Working Group on the Current Approach to Care for Infectious Diseases

NIAID Infectious Disease Clinical Research Consortium

2021- present: External Advisory Board

National Academy of Science, Engineering and Medicine

July 2024. Forum on Microbial Threats: Accelerating the Use of Pathogen Genomics and Metagenomics in Public Health: A Workshop.

Infectious Disease Society of America Committees and Working Group

2007- 2012: Infectious Disease Society of America Working Group on Antibiotic Resistance (*Chair*, Nov. 2009- 2012)

2007-2013: Infectious Disease Society of America National and Global Public Health Committee (*Chair*-2010-2013)

2014-2015: Infectious Disease Society of America Ebola Coordinating/Advisory Group

2018-2020: Infectious Disease Society of America Opioid Working Group

2018-present: Infectious Disease Society of America, ID Week Program Committee (2019 meeting-present)

American Academy of Pediatrics National Committee

2015-2021: Committee on Infectious Diseases (Red Book Committee)

2015-present: Antibiotic Resistance and Stewardship Subcommittee

2017-present: Emerging Infections and Outbreaks Subcommittee

August 2018-present: Associate Editor, Red Book (Report of the AAP Committee on Infectious Diseases)

Council of State and Territorial Epidemiologists

February 2012: Council of State and Territorial Epidemiologists Consultancy- Review of National Influenza Surveillance Program, Bangladesh

2019: E-cigarette or vaping product use associated lung injury (EVALI) Task Force, co-chair

2020-present: Executive Officer (2020: President-elect, 2021: President, 2022: Vice President; 2023-present: Secretary/Treasurer)

National Foundation for Infectious Disease

2018-2024: Board of Directors

2021-2024: Secretary (Executive Board)

Other Committees

Antibiotic Resistance Related:

2001-2008: Minnesota Antibiotic Resistance Collaborative (*Chair*, 2002-2008)

2010-2020: Minnesota Healthcare Associated Infections Steering Committee, MDH

2012-2020: Minnesota Antimicrobial Stewardship Steering Committee, MDH

Development of Minnesota Guide to a Comprehensive Antimicrobial Stewardship Program (September 2012) and Minnesota Antimicrobial Stewardship Program Toolkit for Long-Term Care Facilities (September 2014)

2015-present: Minnesota One Health Antibiotic Stewardship Collaborative

Other:

2000-2011: Institutional Review Board, MDH

2007- 2020: Scholarship Oversight Committee for Infectious Disease Fellowship, UMN

2013- 2020: Executive Committee for T-32 Infectious Disease Fellowship, UMN

2015- 2019: State Opioid Oversight Project, MDHS, MDH

2017- 2020: Sickle Cell Disease Workgroup, MDH

Professional Societies

Infectious Disease Society of America (Fellow)

American Academy of Pediatrics (Fellow)

Council of State and Territorial Epidemiologists

American Epidemiological Society

CME Course

Co-Director Emerging Infections in Clinical Practice. University of Minnesota, Mayo Clinic and Minnesota Department of Health, Minneapolis, MN. November 2008-2023 (*ongoing*)

Scientific Meeting Chair

Infectious Disease Society of America, National Foundation in Infectious Diseases, Pediatric Infectious Disease Society, and National Vaccine Program Office. Working Group on Pertussis: The Resurgence of Pertussis and Developing Priorities for Research and Response. Bethesda, MD, March 2013

Publications in Peer Reviewed Journals

Lynfield R, Herrin JT, Rubin RH. Varicella in pediatric renal transplant recipients. *Pediatrics* 1992;90: 216-220.

Guerina NG, Hsu HW, Meissner C, Maguire JH, **Lynfield R**, Stechenberg B, Abrams I, Pasternack MS, Hoff R, Eaton RB, Grady GF, and the New England Regional Toxoplasma Advisory Committee. Neonatal serological screening and early treatment for congenital *Toxoplasma gondii* infection. *New Eng J Med* 1994;330:1858-63.

Lynfield R and Eaton RB. Teratogen Update: Congenital Toxoplasmosis. *Teratology* 1995; 52: 176-80.

Schrag S, Zell ER, Lynfield **R**, Roome A, Arnold KE, Craig A, Harrison LH, Reingold A, Stefonek K, Smith G, Gamble M, Schuchat A for the Active Bacterial Core Surveillance team. Screening more

effective than risk-based approach at preventing perinatal group B streptococcal disease: A multistate cohort evaluation. *New Eng J Med* 2002;347:233-239.

McCormick AW, Whitney CG, Farley MM, **Lynfield R**, Harrison LH et al. Geographic diversity and temporal trends of antimicrobial resistance in *Streptococcus pneumoniae* in the United States. *Nat Med* 2003;9:424-30.

Whitney CG, Farley MM, Hadler J, Harrison LH, Bennet NM, **Lynfield R**, Reingold A, et al. Decline in invasive pneumococcal disease after the introduction of protein-polysaccharide conjugate vaccine. *New Eng J Med* 2003; 348:1737-46.

Naimi TS, Anderson D, O'Boyle CO, Boxrud DJ, Johnson SK, Tenover FC, **Lynfield R**. Vancomycin-Intermediate *Staphylococcus aureus* with phenotypic susceptibility to methicillin in a patient with recurrent bacteremia. *Clin Inf Dis* 2003;36:1609-12.

Naimi TS, LeDell KH, Borchardt S, Como-Sabetti K, Boxrud D, Johnson SK, Etienne J, Vandenesch F, Fridkin S, O'Boyle CO, Danila RN, **Lynfield R**. Community-onset and healthcare-associated methicillin-resistant *Staphylococcus aureus* in Minnesota. *JAMA* 2003;290(22):2976-84.

Schrag S, Arnold K, Mohle-Boetani J, **Lynfield R**, Zell E, Stefonek K, Noga H, Craig A, Sanza L, Smith G, Schuchat A for the Active Bacterial Core Surveillance Team. Prenatal screening for infectious diseases and opportunities for prevention. *American College of Obstetricians and Gynecologists* 2003;102;753-60.

Jones JL, Ogunmodede F, Scheftel J, Kirkland E, Lopez A, Schulkin J, **Lynfield R**. Toxoplasmosis-related knowledge and practices among pregnant women in the United States. *Infect Dis Obstet Gynecol* 2003;11:139-145.

Flannery B, Schrag S, Bennett NM, **Lynfield R**, Harrison LH, Reingold A, Cieslak P, Hadler J, Farley MM, Facklam RR, Zell E, Whitney CG; Active Bacterial Core Surveillance/Emerging Infections Network. Impact of childhood vaccination on racial disparities in invasive *Streptococcus pneumoniae* infections, 1998-2002. *JAMA* 2004;291:2197-203.

Belongia EA, Kieke B, **Lynfield R**, Davis JP, Besser RE. Demand for prophylaxis after bioterrorism-related anthrax cases, 2001. *Emerg Inf Dis* 2005;1:42-8.

Fridkin SK, Hageman JC, Morrison M, Sanza LT, Como-Sabetti K, Jernigan JA, Harriman K, Harrison LH, **Lynfield R**, Farley MM; Active Bacterial Core Surveillance Program of the Emerging Infections Program Network. Methicillin-resistant *Staphylococcus aureus* disease in three communities. *N. Eng J Med*. 2005;352:1436-44.

Castor ML, Wagstrom EA, Danila RN, Smith KE, Naimi TS, Besser JM, Peacock KA, Juni BA, Hunt JM, Bartkus JM, Kirkhorn SR, **Lynfield R**. An outbreak of Pontiac Fever with respiratory distress among workers performing high-pressure cleaning at a sugar-beet processing plant. *J Infect Dis*.2005;191:1530-37

Ogunmodede F, Jones JL, Scheftel J, Kirkland E, Schulkin J, **Lynfield R**. Listeriosis prevention knowledge among pregnant women in the USA. *Infect Dis Obstet Gynecol* 2005;13:11-15.

Rainbow J, Cebelinski E, Bartkus J, Glennen A, Boxrud D, **Lynfield R**. Rifampin resistant meningococcal disease. *Emerg Infec Dis* 2005;11:977-79.

Kiang KM, Keike BA, Como-Sabetti K, **Lynfield R**, Besser RE, Belongia EA.. Clinician knowledge and beliefs after statewide program to promote appropriate antimicrobial drug use. *Emerg Infect Dis* 2005;11:

904-11.

Kiang KM, Ogunmodede F, Juni BA, Boxrud DJ, Glennen A, Bartkus JM, Cebelinski EA, Harriman K, Koop S, Fayville R, Danila R, **Lynfield R**. Outbreak of osteomyelitis/septic arthritis caused by *Kingella kingae* among childcare center attendees. *Pediatrics*. 2005 Aug;116(2):e206-13. Epub 2005 Jul 15.

Morin CA, White K, Schuchat A, Danila RN, **Lynfield R**. Perinatal Group B streptococcal disease prevention. *Emerg Infect Dis* 2005;11:1467-1469.

Buck JM, Como-Sabetti K, Harriman, KH, Danila RN, Boxrud DJ, Glennen A, **Lynfield R**. Community-associated methicillin-resistant *Staphylococcus aureus*, Minnesota, 2000-2003. *Emerg Infect Dis* 2005;11: 1532-1538.

Lexau, C, **Lynfield R**, Danila RN, Pilishvili T, Facklam R, Farley M, Harrison L, Schaffner W, Reingold R, Bennett, NM, Hadler J, Cieslak P, Whitney CG. Changing epidemiology of invasive pneumococcal disease among older adults in the era of pediatric pneumococcal conjugate vaccine. *JAMA*. 2005;294: 2043-51.

Flannery B, Heffernan RT, Harrison LH, Ray SM, Reingold AL, Hadler J, Schaffner W, **Lynfield R**, Thomas AR, Li J, Campsmith M, Whitney CG, Schuchat A. Changes in invasive pneumococcal disease among HIV-infected adults living in the era of childhood pneumococcal immunization. *Ann Intern Med*. 2006;144:1-9.

Kyaw M, **Lynfield R**, Schaffner W, Hadler J, Reingold A, Cieslak PR, Harrison L, Bennett NM, Farley MM., Facklam RR, Jorgensen J, Besser J, Zell ER, Schuchat A, Whitney CG. Effect of introduction of the pneumococcal conjugate vaccine on drug-resistant *Streptococcus pneumoniae*. *N Engl J Med*. 2006; 354:1455-63.

Schrag S, Shay DK, Gershman K, Thomas A, Craig AS, Schaffner W, Harrison LH, Vugia D, Clogher P, **Lynfield R**, Farley M, Zansky S, Uyeki T. Multistate surveillance for laboratory-confirmed, influenza-associated hospitalizations in children: 2003-2004. *Pediatr Infect Dis J*. 2006;25:395-400.

Jorgenson J, Crawford SA, Fulcher LC, Glennen A, Harrington SM, Swenson J, **Lynfield R**, Murray PR, Tenover FC. Multilaboratory evaluation of disk diffusion antimicrobial susceptibility testing of *Neisseria meningitidis* isolates. *J Clin Microbiol*. 2006;44:1744-54.

Greene C, Kyaw MH, Ray SM, Schaffner W, **Lynfield R**, Barrett NL, Long C, Gershman K, Pilishvili, Roberson A, Zell ER, Whitney CG, Bennett NM for the Active Bacterial Core Surveillance Program of the Emerging Infections Program Network. Preventability of invasive pneumococcal disease and assessment of current polysaccharide vaccine recommendations for adults: United States, 2001-2003. *Clinical Infect Dis*. 2006;43:141-150.

Buck JM, Lexau C, Shapiro M, Glennen A, Boxrud D, Koziol B, Whitney CG, Beall B, Danila R, **Lynfield R**. A community outbreak of conjunctivitis caused by nontypeable *Streptococcus pneumoniae* in Minnesota. *Pediatr Infect Dis J*. 2006; 2:906-11.

Como-Sabetti K, Harriman K, Juni B, Westbrook A, Cebelinski E, Boxrud D, **Lynfield R**. Methicillin resistant *Staphylococcus aureus* at canoe camp. *Emerg Infect Dis*. 2006;12:1759-61.

Whitney CG, Pilshvili T, Farley MM, Schaffner W, Craig AS, **Lynfield R**, Nyquist AC, Gershman KA, Vazquez M, Benett NM, Reingold A, Thomas A, Glode MP, Zell ER, Jorgenson JH, Beall B, Schuchat A. Effectiveness of seven-valent pneumococcal conjugate vaccine against invasive pneumococcal disease: a matched case-control study. *Lancet*. 2006;368:1495-502.

Klevens RM, Morrison MA, Fridkin SK, Reingold A, Petit S, Gershman K, Ray S, Harrison LH, **Lynfield R**, Dumyati G, Townes JM, Craig AS, Fosheim G, McDougal LK, Tenover FC. Community-associated methicillin-resistant *Staphylococcus aureus* and healthcare risk factors. *Emerg Infect Dis*. 2006;12:1991-1993.

Gahr P, Harper J, Kieke B Jr, Como-Sabetti K, Christianson C, Williams D, Pederson J, **Lynfield R**. Healthcare professional surveys: judicious antibiotic use in Minnesota long-term care facilities. *J Am Geriatr Soc*. 2007; 55: 473-4.

O'Fallon E, Harper J, Shaw S, **Lynfield R**. Antibiotic and infection tracking in Minnesota long-term care facilities. *J Am Geriatr Soc* 2007; 55: 1243-7.

Klevens RM, Morrison MA, Nadle J, Petit S, Gershman K, Ray S, Harrison LH, **Lynfield R**, Dumyati G, Townes JM, Craig AS, Zell ER, Fosheim GE, McDougal LK, Carey RB, Fridkin SK, Active Bacterial Core surveillance (ABCs) MRSA Investigators. Invasive methicillin-resistant *Staphylococcus aureus* infections in the United States. *JAMA*. 2007;298:1765-71.

Hicks LA, Harrison LH, Flannery B, Hadler JL, Schaffner W, Craig AS, Jackson D, Thomas A, Beall B, **Lynfield R**, Reingold A, Farley MM, Whitney CG. Active Bacterial Core Surveillance Program of the Emerging Infections Program Network. Incidence of Pneumococcal Disease Due to Non-Pneumococcal Conjugate Vaccine (PCV7) Serotypes in the United States during the Era of Widespread PCV7 Vaccination, 1998-2004. *J. Infect. Dis*. 2007; 196: 1346-54.

O'Loughlin RE, Roberson A, Cieslak PR, **Lynfield R**, Gershman K, Craig A, Albanese BA, Farley MM, Barrett NL, Spinal NL, Beall B, Harrison LH, Reingold A, Van Beneden C; Active Bacterial Core Surveillance Team. The epidemiology of invasive group A streptococcal infection and potential vaccine implications. United States, 2000-2004. *Clin Infect Dis*. 2007; 45: 853-62.

Thigpen MC, Richards Jr. CL, **Lynfield R**, Barrett NL, Harrison LH, Arnold KE, Reingold A, Bennett NM, Craig AS, Gershman K, Cieslak PR, Lewis P, Greene CM, Beall B, Van Beneden CA, Team ABCS. Invasive group A streptococcal infection in older adults in long-term care facilities and the community, United States, 1998-2003. *Emerg Infect Dis*. 2007;13:1852-9.

Woodbury RL, Klammer KA, Xiong Y, Bailiff T, Glennen A, Bartkus JM, **Lynfield R**, Van Beneden C, Beall BW. Plasmid-Borne erm(T) from invasive, macrolide-resistant *Streptococcus pyogenes* strains. *Antimicrob Agents Chemother*. 2008;52:1140-1143.

Harrison LH, Kreiner CJ, Shutt KA, Messonnier NE, O'Leary M, Stefonek KR, Lin H, **Lynfield R**, Barrett NL, Arnold KE, Jones TF, Montero JT for the Meningococcal High School Study Group. Risk Factors for meningococcal disease in students in grades 9-12. *Pediatr Infect Dis J*. 2008; 27: 193-199.

Rainbow J, Jewell B, Danila R, Boxrud D, Beall B, Van Beneden C, **Lynfield R**. Invasive group A streptococcal disease in nursing homes, Minnesota, 1995-2006. *Emerg Infect Dis*. 2008;14:772-777.

Crawford DC, Zimmer SM, Morin CA, Messonnier NE, **Lynfield R**, Yi Q, Shephard C, Wong M, Rieder MJ, Livingston RJ, Nickerson DA, Whitney CG, and Lingappa JR. Integrating host genomics with surveillance for invasive bacterial diseases. *Emerg Infect Dis* 2008; 14:1138-1140.

Castor ML, Whitney CG, Como-Sabetti K, Facklam RR, Ferrieri P, Bartkus JM, Juni BA, Cieslak PR, Farley MM, Dumas NB, Schrag SJ, **Lynfield R**. Antibiotic resistance patterns in invasive group B streptococcal isolates. *Infect Dis Obstet Gynecol*. 2008;16:Epub.

Jordan HT, Farley MM, Craig A, Mohle-Boetani J, Harrison LH, Petit S, **Lynfield R**, Thomas A, Zansky S, Gershman K, Albanese BA, Schaffner W, Schrag SJ. Revisiting the need for vaccine prevention of late-onset neonatal group B streptococcal disease: a multistate, population-based analysis. *Pediatr Infect Dis J*. 2008;27:1057-64.

Limbago B, Fosheim GE, Schoonover V, Crane CE, Nadle J, Petit S, Heltzel D, Ray SM, Harrison LH, **Lynfield R**, Dumyati G, Townes JM, Schaffner W, Mu Y, Fridkin SK; Active Bacterial Core surveillance MRSA Investigators. Characterization of methicillin-resistant *Staphylococcus aureus* isolates collected in 2005 and 2006 from patients with invasive disease: a population-based analysis. *J Clin Microbiol*. 2009. 47:1344-51. Epub 2009 Mar 25.

Wu HM, Harcourt BH, Hatcher CP, Wei SC, Novak RT, Wang X, Juni BA, Glennen A, Boxrud DJ, Rainbow J, Schmink S, Mair RD, Theodore MJ, Sander MA, Miller TK, Kruger K, Cohn AC, Clark TA, Messonnier NE, Mayer LW, **Lynfield R**. Emergence of ciprofloxacin-resistant *Neisseria meningitidis* in North America. *N Engl J Med*. 2009;360:886-92.

Como-Sabetti K, Harriman KH, Buck JM, Glennen A, Boxrud DJ, **Lynfield R**. Community-associated methicillin-resistant *Staphylococcus aureus*: Trends in case and isolate characteristics from six years of prospective surveillance. *Public Health Reports*. 2009;124:427-35.

Leshner L, DeVries A, Danila R, **Lynfield R**. Evaluation of surveillance methods for staphylococcal toxic shock syndrome. *Emerg Infect Dis*. 2009;15:770-3.

Van Dyke MK, Phares CR, **Lynfield R**, Thomas AR, Arnold KE, Craig AS, Mohle-Boetani J, Gershman K, Schaffner W, Petit S, Zansky SM, Morin CA, Spina NL, Wymore K, Harrison LH, Shutt KA, Bareta J, Bulens SN, Zell ER, Schuchat A, Schrag SJ. Evaluation of universal antenatal screening for group B streptococcus. *N Engl J Med*. 2009;360:2626-36.

Skoff TH, Farley MM, Petit S, Craig AS, Schaffner W, Gershman K, Harrison LH, **Lynfield R**, Mohle-Boetani J, Zansky S, Albanese BA, Stefonek K, Zell ER, Jackson D, Thompson T, Schrag SJ. Increasing burden of invasive group B streptococcal disease in nonpregnant adults, 1990-2007. *Clin Infect Dis*. 2009;49:85-92.

Lucero CA, Hageman J, Zell ER, Bulens S, Nadle J, Petit S, Gershman K, Ray S, Harrison LH, **Lynfield R**, Dumyati G, Townes JM, Schaffner W, Fridkin SK; Active Bacterial Core surveillance MRSA Investigators. Evaluating the potential public health impact of a *Staphylococcus aureus* vaccine through use of population-based surveillance for invasive methicillin-resistant *S. aureus* disease in the United States. *Vaccine*. 2009;27:5061-8. Epub 2009 Jul 2.

Kothari NJ, Morin CA, Glennen A, Jackson D, Harper J, Schrag SJ, **Lynfield R**. Invasive Group B streptococcal disease in the elderly in Minnesota, USA, 2003-2007. *Emerg Infect Dis*. 2009;15:1279-81.

Heffelfinger JD, Patel P, Brooks JT, Calvet H, Daley CL, Dean HD, Edlin BR, Gensheimer KF, Jereb J, Kent CK, Lennox JL, Louie JK, **Lynfield R**, Peters PJ, Pinckney L, Spradling P, Voetsch AC, Fiore A. Pandemic influenza: implications for programs controlling for HIV infection, tuberculosis, and chronic viral hepatitis. *Am J Public Health*. 2009 Oct;99 Suppl 2:S333-9.

Adjemian JZ, Howell J, Holzbauer S, Harris J, Recuenco S, McQuiston J, Chester T, **Lynfield R**, Devries A, Belay E, Sejvar J. A clustering of immune-mediated polyradiculoneuropathy among swine abattoir

workers exposed to aerosolized porcine brains, Indiana, United States. *Int J Occup Environ Health*. 2009;15:331-8.

Cohn AC, MacNeil JR, Harrison LH, Hatcher C, Theodore J, Schmidt M, Pondo T, Arnold KE, Baumbach J, Bennett N, Craig AS, Farley M, Gershman K, Petit S, **Lynfield R**, Reingold A, Schaffner W, Shutt KA, Zell ER, Mayer LW, Clark T, Stephens D, Messonnier NE. Changes in *Neisseria meningitidis* disease epidemiology in the United States, 1998-2007: implications for prevention of meningococcal disease. *Clin Infect Dis*. 2010;50:184-91.

Mueller MR, Smith PJ, Baumbach JP, Palumbo JP, Meek JI, Gershman K, Vandermeer M, Thomas AR, Long CE, Belflower R, Spina NL, Martin KG, **Lynfield R**, Openo KP, Kirley PD, Pasutti LE, Barnes BG, Schaffner W, Kamimoto L. Influenza testing and antiviral prescribing practices among emergency department clinicians in 9 states during the 2006 to 2007 influenza season. *Ann Emerg Med*. 2010;55:32-9.

Gertz RE Jr, Li Z, Pimenta FC, Jackson D, Juni BA, **Lynfield R**, Jorgensen JH, Carvalho Mda G, Beall BW; Active Bacterial Core Surveillance Team. Increased penicillin nonsusceptibility of nonvaccine-serotype invasive pneumococci other than serotypes 19A and 6A in post-7-valent conjugate vaccine era. *J Infect Dis*. 2010;201:770-5.

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Pilishvili T, Zell ER, Farley MM, Schaffner W, **Lynfield R**, Nyquist AC, Vazquez M, Bennett NM, Reingold A, Thomas A, Jackson D, Schuchat A, Whitney CG. Risk factors for invasive pneumococcal disease in children in the era of conjugate vaccine use. *Pediatrics*. 126(1):e9-e17. Epub 2010 Jun 14.

Dawood FS, Fiore A, Kamimoto L, Nowell M, Reingold A, Gershman K, Meek J, Hadler J, Arnold KE, Ryan P, **Lynfield R**, Morin C, Baumbach J, Zansky S, Bennett NM, Thomas A, Schaffner W, Kirschke D, Finelli L; Emerging Infections Program (EIP) Network. Influenza-associated pneumonia in children hospitalized with laboratory-confirmed influenza, 2003-2008. *Pediatr Infect Dis J*. 2010;29:585-90.

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State Government Affairs; Council on School Health; Section on Administration and Practice Management. Medical versus nonmedical immunization exemptions for child care and school attendance. *Pediatrics*. 2016 Sep; 138(3). pii: e20162145. doi: 10.1542/peds.2016-2145.

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Editorials

Lynfield R, Hsu H-W and Guerina NG. Screening methods for congenital toxoplasma and risk of disease. *Lancet* 1999; 353: 1899-1900.

Janoff EN, **Lynfield R**. Smallpox: remembrance of things past, or the coming plague? *J Lab Clin Med* 2003;142(4):211-5.

Lynfield R. Lessons from Queens. *J Infect Dis*. 2010; 201:973-5.

Lynfield R, Schaffner W. Can we conquer coqueluche? *J Infect Dis*. 2014; Suppl 1: S1-3. (Guest Co-Editor for Supplement: Prevention and Control of Pertussis April 1, 2014)

Lynfield R and Schaffner W. Emerging Infections Program-20 years of achievements and future prospects. *Emerg Infect Dis*. 2015; 21:1497-8.

Schiffman EK, Neitzel DF, **Lynfield R**. Tick-borne disease prevention: Still no silver bullet. *J Infect Dis*. 2016 Jan 5. pii: jiv776. [Epub ahead of print]

Cartter ML, **Lynfield R**, Feldman KA, Hook SA, Hinckley AF. Lyme disease surveillance in the United States: Looking for ways to cut the Gordian knot. *Zoonoses Public Health*. 2018 Mar;65(2):227-229. doi: 10.1111/zph.12448.

Como-Sabeti K, **Lynfield R.** Invasive *Haemophilus influenzae* Disease in Children: Continued Challenges and the Work Ahead. J Peds. 2026. *In press*

Guest Editor

Prevention and Control of Pertussis. The Journal of Infectious Diseases. Guest Editors: **R Lynfield** and W Schaffner April 2014; 209: Supplement 1.

Twenty Years of the Emerging Infections Program. The Emerging Infectious Diseases Journal. Guest

Book Editor

Infectious Disease Surveillance (ISBN 1-4051-4266-9), Blackwell Publishers, United Kingdom. Editors: M'ikanatha N, Lynfield R, de Valk H, Van Beneden C (October 2007, May 2013).

Wallace, Maxcy, Roseanau and Last. Public Health and Preventive Medicine. 16th Edition. MacGraw Hill Medical. Communicable Disease Editor. November 2021

Current Grant support

Emerging Infections Program (Cooperative Agreement, CDC. Co-PI for EIP Grant: 2010-present; Co-I: 1999-2009) Principal Investigator: MN Active Bacterial Core Surveillance (ABCs), Influenza, RSV,

COVID-Net, Healthcare Associated Infections (HAI) at the Community Interface. Invasive bacterial disease including *S. pneumoniae*, group A *Streptococcus*, group B *Streptococcus*, *H. influenzae*, *N. meningitidis*, *S. aureus*; antimicrobial resistance, risk factors, vaccine effectiveness (pneumococcal disease, meningococcal disease, influenza); HAI prevalence, antibiotic use, surveillance for multi-drug resistant Gram-negative bacteria and candidemia.

Pathogen Genomics Centers of Excellence (Cooperative Agreement, CDC. Co- PI) September 30, 2022-27

Past Grant Support

Influenza Incidence Surveillance Project. (Contract with Council of State and Territorial Epidemiologists through CDC Cooperative Agreement. Principal Investigator 2009-2017). Outpatient surveillance for influenza like illness, acute respiratory infection. (*in-kind support*)

Severe Acute Respiratory Infection Surveillance (Contract with Council of State and Territorial Epidemiologists through CDC Cooperative Agreement. Principal Investigator 2013-2016). Inpatient surveillance for severe acute respiratory infection including laboratory characterization (*in-kind support*)

Economic Analysis of Antibiotic Resistance (R-01 C1000209-01; Principal Investigator). CDC 2004-2008. Development of a cost model of resistance using *S. aureus* infection (methicillin-resistant and susceptible) care utilization.

Pandemic Influenza Funding for Competitive Public Health Proposals (TP-08; CDC; Principal Investigator 2008-2009). Five projects. Demonstration project for public engagement as part of public health decision-making, electronic laboratory data exchange, integration of state-based immunization

information systems to track pandemic influenza countermeasures, demonstration projects for collaborative planning among healthcare providers, antiviral drug distribution to isolated or quarantined persons.

Other

Protocol Co-chair for INSIGHT Flu002 Study. International observational study on outpatients with influenza, Protocol committee for INSIGHT Flu003 Study. International observational study on inpatients with influenza (NIH sponsored, *in-kind* support). 2009-2018.

Epidemiology and Laboratory Capacity for Infectious Disease, Minnesota (CDC), and Preparedness (CDC) (*in-kind support* for various projects for many years)

University of Minnesota MPH Student Projects

17 students 2010-2022

University of Minnesota PhD Committee

1 student in 2014, 1 in 2020, 1 in 2024, 1 in 2025

University of Minnesota Infectious Disease Fellow Primary Mentor

7 fellows 2004-2023

Leap Fellow: July 2023-June 2024

Council of State and Territorial Epidemiologists Applied Epidemiology Fellow Mentor

8 fellows 2009-2025

Centers for Disease Control and Prevention Epidemic Intelligence Service Officers (Secondary Supervisor)

13 EIS Officers 2000-present

Centers for Disease Control and Prevention Preventive Medical Fellow Supervisor

1 fellow 2015-2016