



Epidemiology MPH Faculty List

Name	Research Expertise
PRIMARY FACULTY	
Nicole Basta, PhD, MPhil	Infectious disease epidemiology; evaluating the impact of vaccines and other interventions; epidemiologic methods; clinical epidemiology; maternal and child health; global health; health disparities; evidence-based public health policy
Ellen W. Demerath, PhD	Alcohol prevention and etiology; Latent variable analysis; Longitudinal and time series analysis
Ryan Demmer, PhD	Body composition and obesity assessment; Developmental determinants of cardiovascular disease risk; Lifecourse epidemiology; Genetic epidemiology of obesity, diabetes, and coronary heart disease; Biomarkers of biological senescence
Darin Erickson, PhD	Epidemiologist with a general research interest in elucidating causes and correlates of cardiometabolic diseases, including diabetes, atherosclerotic vascular disease and congestive heart failure. I am particularly focused on understanding the emerging role of the human microbiome in the initiation and progression of cardiometabolic diseases and the potential role of inflammatory phenotype as a biological mediator connecting microbes to preclinical and clinical disease entities.
Lisa Harnack, DrPH, RD	Nutritional epidemiology; Nutritional assessment
David Jacobs, Jr., PhD	Cardiovascular disease epidemiology; Nutritional epidemiology
Rhonda Jones-Webb, DrPH	Alcohol studies; Alcohol policy as a prevention strategy; Minority health issues; Behavioral epidemiology
Shalini Kulasingam, PhD	Human papillomavirus (HPV), cervical cancer, cancer screening, vaccines, public health policy, decision and cost-effectiveness modeling
Kamakshi Lakshminarayan, MD	Neuroepidemiology; health service research, clinical decision making
Harry Lando, PhD	Global issues in tobacco reduction; Smoking cessation; Treatment of medically compromised smokers
DeAnn Lazovich, PhD	Cancer prevention and control; Cancer epidemiology
Alan Lifson, MD, MPH	HIV/AIDS; International health; Infectious disease epidemiology
Pamela L. Lutsey, PhD	Cardiovascular disease epidemiology with a focus on serum vitamin D, sleep disordered breathing, coagulation factors, diet, and venous thromboembolism.
Richard Macle hose, PhD	Epidemiologic methods, Bayesian methods, biostatistics, reproductive epidemiology, environmental epidemiology
Susan Mason, PhD, MPH	Psychosocial stress and stress mechanisms, women's health, maternal and child health, health disparities, exposure to violence
Heather H. Nelson, PhD, MPH	Cancer susceptibility and etiology using both laboratory and epidemiologic tools; gene-environment interactions; skin cancer, mesothelioma, and other exposure-related malignancies. Member: University of Minnesota Cancer Center
Ruby Nguyen, PhD	Women's health, etiology of reduced fertility, infertility and later disease, intersection of genital tract infections on reproduction, pregnancy-related morbidity, and epidemiologic methods in studies of fertility
J. Michael Oakes, PhD	Quantitative methods; Social epidemiology; Research ethics
Theresa Osypuk, SD, SM	Social epidemiology, health disparities racial/ethnic, socioeconomic, and nativity/immigrant disparities in health, their geographic patterns, and causes.
James Pankow, PhD, MPH	Cardiovascular disease epidemiology; Genetic epidemiology; Diabetes epidemiology
Mark Pereira, MPH, PhD	All aspects of cancer epidemiology: risk factors for cancer (including obesity and diabetes) and survival after cancer diagnosis, with the focus on colorectal, pancreatic, ovarian and bladder cancers.
Simon Rosser, PhD, MPH	HIV prevention research; Human sexuality; Sex offending and religious identity
Pamela Schreiner, PhD	Cardiovascular disease etiology related to visceral fat accumulation, dyslipidemia, and perimenopause. Structural and functional brain MRI; applied statistical methodology; human-animal interaction research
Kelly Searle, ScM, PhD	Infectious diseases, malaria, global health, spatial analysis and GIS
Kumi Smith, MPA, PhD	Infectious diseases, HIV, sexually transmitted infections, global health
Lyn Steffen, PhD, MPH, RD	CVD epidemiology and prevention; Nutritional epidemiology; Stroke surveillance; Diet relations with diabetes; Insulin resistance and obesity
Weihong Tang, PhD, MS, MD	Cardiovascular disease epidemiology, genetic epidemiology of chronic disease with an emphasis on cardiovascular disease, metabolic syndrome, diabetes, and obesity
Traci Toomey, PhD, MPH	Policy research; Community organizing; Prevention of alcohol and tobacco-related problems; Intentional and unintentional injury prevention
Rachel Widome, PhD	Social epidemiology with a focus on the effects of environmental factors such as public policy on individual behavior, especially in youth and young adults
ADJUNCT FACULTY	
Bruce Alexander, PhD, MS	Occupational and environmental epidemiology; environmental determinants of injury, cancer, respiratory health, reproductive health; global health; application of biological markers in epidemiological research; exposure models for occupational and environmental epidemiology
Daheia Barr-Anderson, PhD, MSPH, FACSM	Physical activity, sedentary behaviors, and obesity prevention in children and adolescents. Also in home- and community-based, environmental interventions that incorporate both physical activity and nutrition to achieve healthy outcomes and to decrease racial/ethnic health inequalities.
Jeff Bender, DVM	Antimicrobial resistance; food safety; zoonoses and emerging diseases
Jerica Berge, PhD, MPH, LMFT, CFLE	Behavioral medicine, childhood and adolescent obesity, mixed-methods research, community-based participatory action research, motivational interviewing, integrated care



<u>Sally Bushhouse, DVM, MPH, PhD</u>	Cancer epidemiology and surveillance
<u>Timothy Church, MS, PhD</u>	Cancer screening, prevention, and causes; Epidemiologic study design; Cardiac disease and medical devices
<u>Gretchen Cutler, PhD, MPH</u>	Helps in translating research performed in the emergency department into clinical practice. Areas of expertise and interest are emergency care for youth with mental health conditions, and health disparities, specifically food insecurity. Overall goals are to bring attention to the large population of children and adolescents who are food insecure and/or who require acute care for mental health conditions, and to help develop effective ways to improve outcomes for these youth.
<u>Richard Danila, PhD</u>	Emerging infectious diseases including foodborne and bacterial diseases; Preparedness for bioterrorism
<u>Kristen Ehresmann, RN, MPH</u>	Immunizations
<u>Kristine Ensrud, MD, MPH</u>	Osteoporosis; Women's health (epidemiology)
<u>Howard Fink, MD, MPH</u>	Chronic disease epidemiology; Health outcomes in the areas of osteoporosis and sexual dysfunction; Preparation, maintenance and dissemination of systematic reviews
<u>Myron Gross, PhD</u>	The role of micronutrients in health and disease; Cancer pathobiology; Biomarkers of dietary factor consumption and cancer progression
<u>Craig Hedberg, PhD</u>	Food safety and infectious diseases
<u>Mike John, PhD, MPH, DMD</u>	Temporomandibular disorders
<u>Pamela Jo Johnson, PhD, MPH</u>	Epidemiologist and health survey methodologist with broad interests in health services epidemiology and population health focusing on social disparities in health and healthcare.
<u>Catherine Lexau, PhD, MPH</u>	Antibiotic resistance, including methicillin resistant Staph aureus; pneumococcal disease
<u>Amy M. Linabery, MS, PhD</u>	Clinical and population-based research in pediatric neuroscience, including concussions, epilepsy, neurosurgery, headache, and central nervous system tumors and their associated neurocognitive, emotional and other co-morbidities
<u>Ruth Lynfield, MD</u>	Infectious disease epidemiology; emerging infectious diseases, antibiotic resistance
<u>George Maldonado, PhD, MSPH</u>	Epidemiologic methodology
<u>Karen Margolis, MD, MPH</u>	Cardiovascular disease epidemiology and prevention; Women's health
<u>Jenny Poynter, PhD</u>	Evaluating the role of genetic and epigenetic alterations in the etiology of pediatric germ cell tumors
<u>Anna Prizment, PhD</u>	Nutrition and physical activity in the prevention of obesity; Type 2 diabetes and cardiovascular disease
<u>Judith Punyko, PhD, MS</u>	Epidemiologic methods and bias; disease surveillance systems and quality assurance; descriptive epidemiology in public health; chronic disease epidemiology in adult and pediatric populations; and maternal and child health/epidemiology – in particular health disparities, access to care, (most recently) autism and other developmental disabilities, and PRAMS data analyses (serve as the principal investigator for the Pregnancy Risk Assessment Monitoring System (PRAMS) in Minnesota.
<u>Nelson Rhodus, DMD, MPH</u>	Oral cancer: early detection and chemoprevention; Oral manifestations of systemic disease; Chronic degenerative autoimmune diseases; Sjögren's Syndrome
<u>Randall Singer, DVM, MPVM, PhD</u>	Infectious disease epidemiology; Ecologic approach to disease systems
<u>Lucy Slater, MPH</u>	I am public health practitioner, who has designed and managed programs to address HIV in Minnesota, Haiti, the Caribbean, and multiple African countries. I am interested in learning and teaching about strategic, diplomatic, and cross-cultural stakeholder engagement and partnerships with governmental public health, local nonprofits and grassroots advocacy organizations. In addition to deep understanding of cutting edge HIV control interventions, I have expertise in public health organizational capacity assessment and building and community engagement strategies
<u>Kirk Smith, DVM, MS, PhD</u>	Foodborne diseases (including surveillance and outbreak investigations) antimicrobial resistance in foodborne bacterial pathogens, zoonotic diseases, parasitic diseases, and diseases of free-ranging wildlife populations.
<u>Jon Snyder, PhD, MPH</u>	Kidney disease
<u>Alicen Spaulding, PhD, MPH</u>	Infectious disease epidemiology: global health; epidemiologic study design and methods; pediatric critical care outcomes; HIV/AIDS epidemiology; systematic reviews and meta-analyses; clinical epidemiology; epidemiology of antibiotic resistance; pediatric antibiotic stewardship
<u>Logan Spector, PhD</u>	Etiology of childhood cancer; Design, conduct; Analysis of epidemiologic studies.
<u>Steven Stovitz, MD, MS, FACSM</u>	Family medicine, sports medicine, adult and pediatric obesity
<u>Brent Taylor, MPH, PhD</u>	Clinical epidemiology, particularly related to chronic geriatric diseases such as osteoporosis and prostate cancer, and quantitative methods
<u>Bharat Thyagarajan, MD, PhD, MPH</u>	Molecular epidemiology and research in causes of pancreatic and breast cancer
<u>Beth Virnig, PhD, MPH</u>	Administrative data for cancer surveillance and studies of treatment patterns