Curriculum Vitae

RICHARD F. MACLEHOSE
Room 300 WBOB
1300 S 2nd St
Minneapolis, MN 55454
(612) 624-1932
macl0029@umn.edu

Education

PhD, University of North Carolina. Epidemiology	2005
MS, University of Washington. Epidemiology	1998
BS, Miami University. Microbiology	1995

Academic Appointments

University of Minnesota
    School of Public Health, Division of Epidemiology & Community Health: Professor — 2022 - Present

University of Minnesota
    School of Public Health, Division of Epidemiology & Community Health: Associate Professor — 2013 - 2022

University of Minnesota
    School of Public Health, Division of Epidemiology & Community Health: Assistant Professor — 2008 - 2013

National Institutes of Environmental Health Sciences
    Biostatistics Branch: Postdoctoral Fellow — 2006 - 2008

University of North Carolina
    Visiting Scholar — 2006 - 2008

HONORS AND RECOGNITION

University of Minnesota
Leonard Schuman Award for Teaching Excellence, University of Minnesota, School of Public Health — 2015

External Sources
Delta Omega Public Health Honorary Society, Theta Chapter — 2006

RESEARCH, SCHOLARSHIP, AND CREATIVE WORK

Grants, Contract, Awards: External Sources
(For grants that are sub-contracts or part of a larger center, dollar amounts reflect only local award if Dr. MacLehose is not appreciably involved in the parent grant or larger center. Dollar amounts reflect the total award if Dr. MacLehose is involved in the larger center)

    Proposal: Natives Engaged in Alzheimer's Research (NEAR)
    Role: Co-Investigator, Director of Methods Core
    Principal Investigators: Buchwald D, Galvin J
    Proposal ID: CON000000087031

Status: Awaiting Notice of Award
External Agency: NIH
Award Dates: August 2021 – August 2026
Requested Amount: $14,983,377.00
Purpose: Center grant to implement interventions to reduce risk of Alzheimer's disease in Native communities.

Award: Implementation and Outcome Evaluation of a Community-Developed Enforcement Initiative
Role: Co-Investigator
Principal Investigator: Toomey, Traci
External agency: CDC U48DP006414
Award Dates: September 30, 2019 - September 29, 2021
Funded Amount: $832, 821
Purpose: Evaluate the effectiveness of a place of last drink enforcement initiative on traffic crashes and other alcohol related problems

Award: Evaluation of a Place of Last Drink Initiative to Reduce Overservice and Alcohol-Related Crime
Role: Co-Investigator
Principal Investigator: Toomey, Traci L.
External Agency: NIH/NIAAA R01 AA028013
Award Dates: March 1, 2020 - February 28, 2023
Funded Amount: $1,099,294.00
Direct Amount: $720,872.00
Indirect Amount: $378,422.00
Purpose: We propose to conduct an evaluation of one over-service enforcement strategy currently being used in communities in Minnesota as well as other U.S. states—place of last drink initiatives (POLD).

Award: Maternal Early Adversities and Weight During Childbearing
Role: Co-Investigator
Principal Investigator: Mason, Susan M.
External Agency: NIH/NICHD R01 HD090053
Award Dates: August 10, 2018 - June 30, 2022
Funded Amount: $1,396,270.00
Direct Amount: $931,675.00
Indirect Amount: $464,595.00
Purpose: This project will investigate the pathways between early life adversities and maternal weight problems to identify modifiable intermediate factors that can be targeted in public health interventions.

Award: Community Organizations for Natives: COVID-19 Epidemiology, Research, Testing, and Services (CONCERTS)
Role: Multiple Principal Investigator
External Agency: NIH/NIMHD U54 MD011240-06S17800
Award Dates: September 22, 2020 - June 30, 2024
Funded Amount: $4,316,306.00
Direct Amount: $3,901,162.00
Indirect Amount: $415,144.00

Purpose: Our project will estimate the rate of infection and the influence of factors such as education, poverty, and poor health on being tested for COVID-19 among urban American Indian and Alaska Native people. The overall goal is to increase testing for the virus and address the many health disparities related to COVID-19 in this population, a group often overlooked in research.

Award: Native American Alzheimer's Disease Resource Center for Minority Aging Research (NAD-RCMAR)
Role: Principal Investigator (Subcontract Washington State University), Director of Methods Core
Principal Investigators: Buchwald D, Manson S, Galvin J
External Agency: NIH/NIA P30 AG059295
Award Dates: September 1, 2018 - June 30, 2022
Funded Amount: $2,779,573.00
Direct Amount: $2,458,468.00
Indirect Amount: $321,105.00
Purpose: We will launch an effort to describe, understand, intervene on, and mitigate the Alzheimer's disease health disparities experienced by American Indians, Alaska Natives, Native Hawaiians, and Pacific Islanders.

Award: The UNC/Emory Center for Innovative Technology (ITech) across the Prevention and Care Continuum
Role: Principal Investigator (Subcontract UNC-Chapel Hill)
Principal Investigator, Main Award: Hightower, L
External Agency: NIH/NICHD U19 HD089881
Award Dates: August 16, 2019 - May 31, 2022
Funded Amount: $52,055.00
Direct Amount: $33,802.00
Indirect Amount: $18,253.00
Purpose: The objective and overarching goal of this initiative is to provide methodologic and analytic support to a project funded through ITech, designed to improve adherence to pre-exposure prophylactic treatment through mobile app technology.

Award: Improving Reproducibility by Incorporating Uncertainty
Role: Principal Investigator (Subcontract Emory)
Principal Investigator, Main Award: Lash, TL
External Agency: NIH/NLM R01 LM013049
Award Dates: February 6, 2019 - January 31, 2024
Funded Amount: $325,112.00
Direct Amount: $211,110.00
Indirect Amount: $114,002.00
Purpose: This project will use simulation-based quantitative bias analysis techniques to adjust for the influence of systematic errors and Bayesian statistical methods to synthesize prior information with estimates of association and summaries of an evidence base.

Award: Native Center for Alcohol Research and Education
Role: Principal Investigator (Subcontract Washington State), Director of Methods Core
Principal Investigator, Main Award: Buchwald, D
External Agency: NIH/NIAAA P60 AA026112
Award Dates: December 15, 2017 - June 2024
Funded Amount: $7,098,593.00

Direct Amount: $6,246,785.00
Indirect Amount: $851,808.00
Purpose: To reduce alcohol-related health disparities, the proposed Center aims to ameliorate alcohol use disorders and their behavioral and physical health consequences in American Indians and Alaska Natives. Our transdisciplinary research will examine multiple influences on alcohol-related disorders at multiple levels with multiple strategies across the lifespan.

Award: Contemporary Venous Thromboembolism Treatment
Role: Co-Investigator
Principal Investigator: Lutsey, Pamela L.
External Agency: NIH/NHLBI R01 HL131579
Award Dates: January 1, 2017 - November 30, 2021
Funded Amount: $1,943,106.00
Direct Amount: $1,444,703.00
Indirect Amount: $498,403.00
Purpose: Using data from two large U.S. commercial claims databases, which include >500,000 patients with VTE, we propose to evaluate risks and benefits associated with these new treatment options and develop risk prediction models for VTE recurrence, intracranial hemorrhage, and mortality.

Award: Addressing Unanswered Questions About the Home Environment and Childhood Obesity Disparities
Role: Co-Investigator
Principal Investigator: Berge, Jerica M.
External Agency: NIH/NHLBI R01 HL126171
Award Dates: December 1, 2014 - November 30, 2021 (Effort ended before grant end)
Funded Amount: $3,787,934.00
Direct Amount: $2,660,759.00
Indirect Amount: $1,127,174.00
Purpose: This two-phased incremental mixed-methods study will address unanswered questions related to the home environment and childhood obesity disparities.

Award: Atherosclerosis Risk in Communities (ARIC) Study - Coordinating Center
Role: Co-Investigator
Principal Investigator: Folsom, Aaron R.
External Agency: NIH/NHLBI
Award Dates: November 15, 2016 - November 14, 2021
Funded Amount: $439,050.00
Direct Amount: $289,185.00
Indirect Amount: $149,865.00
Purpose: The University of MN will conduct the following specific duties: 1) Participate in the pilot study of community surveillance using electronic health records, namely local hospital work, abstracting, and MMCC reviews; 2) Provide faculty and analysts needed to enhance ARIC data analysis and manuscript production; and 3) Provide facilities and support at the Minnesota Lab to maintain and distribute ARIC samples in its possession and to send those samples to a central repository during study close-out.

Award: Midwest Center for Occupational Health and Safety Training Grant
Role: Program Director; Occupational Environmental and Epidemiology Training Program
Principal Investigator: Ramirez, Marizen R.
External Agency: CDC/NIOSH T42OH008434

Award Dates: July 1, 2018 - June 30, 2021
Funded Amount: $549,602.00
Direct Amount: $521,781.00
Indirect Amount: $27,821.00
Purpose: The goal of the Midwest Center for Occupational Health and Safety (MCOHS) is to provide: (1) cutting-edge interdisciplinary academic and research training to continue to prepare exceptional leaders who can make significant contributions to the field of occupational health and safety and (2) continuing education in occupational health and safety to train practicing professionals about ongoing and emerging issues.

Award: Assessment of a Community Support Worker Intervention for PLWH in Rural Ethiopia
Role: Co-Investigator
Principal Investigator: Lifson, Alan R.
External Agency: NIH/NIMH R01 MH105290
Award Dates: March 12, 2015 - January 31, 2021
Funded Amount: $2,724,730.00
Direct Amount: $2,295,933.00
Indirect Amount: $428,797.00
Purpose: This study, to be conducted in southern Ethiopia, is a randomized community trial, evaluating the use of local community support workers who provide for HIV patients education, counseling/social support, and linkage to the HIV Clinic.

Award: PrEP iT!: A Pilot Test of a Mobile Peer Support Intervention to Optimize PrEP Adherence and Retention in PrEP Care
Role: Co-Investigator
Principal Investigator: Horvath, Keith J.
External Agency: NIH/NIMH R34 MH116878
Award Dates: January 1, 2019 - August 15, 2019
Funded Amount: $83,227.00
Direct Amount: $66,353.00
Indirect Amount: $16,874.00
Purpose: This proposal will develop and pilot test a mobile peer support intervention for young men who have sex with men, called "PrEP it Together" (or PrEP iT!), that provides virtual peer interaction and support, tailored health information, adherence monitoring and follow-up, healthcare reminders, and healthcare interactions.

Award: Midwest Center for Occupational Health & Safety Training Grant
Role: Co-Investigator
Principal Investigator: Gerberich, Susan G.
External Agency: CDC NIOSH
Award Dates: July 1, 2012 - June 30, 2019
Funded Amount: $1,456,816.00
Direct Amount: $1,374,681.00
Indirect Amount: $82,135.00
Purpose: The goal of the Midwest Center for Occupational Health and Safety (MCOHS) is to provide: (1) cutting-edge interdisciplinary academic and research training to continue to prepare exceptional leaders who can make significant contributions to the field of occupational health and safety and (2) continuing education in occupational health and safety to train practicing professionals about ongoing and emerging issues.

Award: The Association Between Family Meals and Child Health and Well-Being
Role: Co-Investigator
Principal Investigator: Berge, Jerica M.
External Agency: NIH/NICHD R03 HD084897
Award Dates: March 1, 2016 - December 31, 2018
Funded Amount: $152,333.00
Direct Amount: $100,022.00
Indirect Amount: $52,311.00
Purpose: This secondary data analysis study will use direct observational data to examine important unanswered methodological and analytical questions regarding the quality of family meals, both in regard to meal dietary healthfulness and the emotional atmosphere at the meal.

Award: Using Comparative Effectiveness Analyses to Optimize Cervical Cancer Screening
Role: Co-Investigator
Principal Investigator: Sawaya, G
External Agency: NIH/NCI R01 CA169093
Award Dates: May 1, 2013 - December 31, 2018
Funded Amount: $594,136.00
Direct Amount: $409,716.00
Indirect Amount: $184,420.00
Purpose: This research aimed to identify novel ways to screen for cervical cancer that are safer, more efficient and more effective. We combined the most up-to-date scientific evidence about new tests with women's preferences to devise cervical cancer screening strategies that maximize benefits and minimize harms.

Award: A Mobile App to Increase Routine HIV Testing Among High-Risk Diverse MSM
Role: Co-Investigator
Principal Investigator: Horvath, Keith J.
External Agency: NIH/NIMH R34 MH 105202
Award Dates: August 1, 2014 - October 31, 2018
Funded Amount: $700,019.00
Direct Amount: $563,766.00
Indirect Amount: $136,253.00
Purpose: A smartphone app will be tailored to the group most at-risk for HIV in the US, and the app could be easily scaled up to address inadequate HIV testing rates among this underserved population.

Award: Interdisciplinary Research Leaders - National Leadership Program
Role: Co-Investigator
Principal Investigator: Oakes, John M.
External Agency: Robert Wood Johnson Foundation
Award Dates: September 1, 2015 - August 31, 2018
Funded Amount: $5,236,731
Purpose: The goal is to enhance the interdisciplinary capacity of new and established scholars and generate practicable research.

Award: Project EAT-IV: Eating and Activity in Adolescents and Young Adults
Role: Co-Investigator

Principal Investigator: Neumark-Sztainer, Dianne R.
External Agency: NIH/NHLBI R01 HL127077
Award Dates: July 1, 2013 - January 15, 2018
Funded Amount: $3,203,593.00
Direct Amount: $2,221,640.00
Indirect Amount: $981,953.00
Purpose: Poor eating behaviors, inadequate physical activity, unhealthy weight control practices, body image concerns, and overweight/obesity are prevalent and have harmful psychosocial and physical consequences. Findings from Project EAT-IV, a population-based 15-year longitudinal study, increased our knowledge base in how best to prevent these significant public health problems among young adults and their families.

Award: EAT 2010-2018: A Longitudinal, Multi-Contextual Study of Weight-related Problems
Role: Co-Investigator
Principal Investigator: Neumark-Sztainer, Dianne R.
External Agency: NIH/NHLBI R01 HL127077
Award Dates: January 25, 2016 - January 15, 2018
Funded Amount: $1,326,102.00
Direct Amount: $868,967.00
Indirect Amount: $457,135.00
Purpose: This longitudinal study follows a diverse sample from adolescence to young adulthood to identify individual, family, friend, school/workplace, and neighborhood predictors of weight- related problems.

Award: Midwest Center for Occupational Health & Safety Training Grant
Role: Co-director Occupation and Environmental Epidemiology Training Grant
Principal Investigator: Gerberich, Susan G.
External Agency: CDC National Institute for Occupational Safety and Health
Award Dates: July 1, 2012 - July 1, 2017
Funded Amount: $1,456,816.00
Direct Amount: $1,374,681.00
Indirect Amount: $82,135.00
Purpose: The goal of the Midwest Center for Occupational Health and Safety (MCOHS) was to provide: (1) cutting-edge interdisciplinary academic and research training to continue to prepare exceptional leaders who can make significant contributions to the field of occupational health and safety and (2) continuing education in occupational health and safety to train practicing professionals about ongoing and emerging issues.

Award: Atherosclerosis Risk in Communities (ARIC) Study - Field Centers
Role: Co-Investigator
Principal Investigator: Folsom, Aaron R.
External Agency: NIH/NHLBI
Award Dates: November 15, 2010 - November 14, 2016
Funded Amount: $1,556,720.00
Purpose: Over the past 25 years, the Atherosclerosis Risk in Communities (ARIC) Study has provided important new information on risk factors for atherosclerosis and its progression, on risk factors for coronary heart disease, heart failure and stroke, and on trends in community rates of cardiovascular disease. We proposed continuation of ARIC from 2010-2016.

Award: Snacking Patterns of Adolescents: Trends, Consequences, and Contextual

Influences
Role: Co-Investigator
Principal Investigator: Larson, Nicole I.
External Agency: NIH/NICHD R03 HD079504
Award Dates: September 20, 2014 - August 2, 2016
Funded Amount: $150,100.00
Direct Amount: $102,923.00
Indirect Amount: $47,177.00
Purpose: The proposed research will provide guidance for the development of nutrition programs, services, and policies through a comprehensive investigation of multi-contextual influences on snack consumption and linkages to dietary intake and weight-related health.

Award: Sleep Disordered Breathing and Incident Cognitive Decline: The ARIC Study
Role: Co-Investigator
Principal Investigator: Lutsey, Pamela L.
External Agency: NIH/NHLBI R21 HL121412
Award Dates: September 20, 2013 - July 31, 2016
Funded Amount: $220,248.00
Direct Amount: $144,900.00
Indirect Amount: $75,348.00
Purpose: This research aimed to clarify whether sleep characteristics measured in middle-age are associated with cognition in later life.

Award: Respiratory Diseases and Exposure to Elongated Mineral Particles in Taconite Ore Processing
Role: Co-Investigator
Principal Investigator: Ramachandran, Gurumurthy
External Agency: CDC NIOSH
Award Dates: May 1, 2014 - July 16, 2016
Funded Amount: $1,080,921.00
Direct Amount: $736,020.00
Indirect Amount: $344,900.00
Purpose: This project advanced our understanding of the relationship between exposures to elongated mineral particles (EMPs) of various lengths and widths and several respiratory health outcomes.

Award: Comparative Effectiveness of Oral Anticoagulants in Atrial Fibrillation
Role: Co-Investigator
Principal Investigator: Alonso, Alvaro
External Agency: NIH/NHLBI R01 HL 122200
Award Dates: April 1, 2015 - May 31, 2019
Funded Amount: $1,247,806.00
Purpose: This research provided timely and necessary information to help clinicians and patients make well-founded decisions on the use and choice of oral anticoagulants. Our project complemented information from published phase III randomized controlled trials of new oral anticoagulants.

Award: A Smart Phone App to Improve ART Adherence among HIV+ Stimulant-Using MSM
Role: Co-Investigator
Principal Investigator: Horvath, Keith

External Agency: NIH/NIDA R34 DA033833
Award Dates: April 1, 2013 - March 31, 2016
Funded Amount: $151,617.00
Purpose: The overall aim of this project was to assess the feasibility and acceptability of smart phone application ("app") antiretroviral therapy (ART) adherence intervention tailored to the needs of HIV-positive stimulant-using men who have sex with men.

Award: Sib Works
Role: Co-Investigator
Principal Investigator: Berge, Jerica M.
External Agency: NIH/NHLBI R56 HL113235
Award Dates: September 20, 2013 - August 31, 2015
Funded Amount: $479,151.00
Purpose: The primary aim of Sib-Works is to examine parent feeding practices in response to sibling dyads' eating behaviors and to identify reciprocal processes between sibling dyads' eating behaviors and parent feeding behaviors.

Award: Evaluating Impacts of School Policies on Student Diet & Activity Behaviors & Obesity (SCOPE)
Role: Co-Investigator
Principal Investigator: Nanney, Marilyn S.
External Agency: NIH/NICHD R01 HD070738
Award Dates: September 20, 2011 - July 31, 2015
Funded Amount: $1,779,615.00
Purpose: One goal of this study was to assess whether food and nutrition and physical activity and education policies of schools are related to student diet and activity behaviors and weight status. Another goal was to see whether states with strong policies also have districts and schools with strong policies. Both goals used information already collected over the past 10 years (2000-2010).

Award: Family Members Weight and Weight-Related Behaviors and Adolescent Obesity
Principal Investigators: MacLehose, Richard F.; Berge, Jerica M.
External Agency: NIH/NICHD R03 HD074677
Award Dates: July 1, 2013 - April 30, 2015
Funded Amount: $144,869.00
Purpose: The main aim of the proposed study, All in the Family, was to examine the relationships between multiple family members' weight and weight-related behaviors and adolescents' body mass index (BMI) z-score, overweight status, dietary intake and physical activity.

Award: Risk and Protective Factors Childhood Obesity in the Home Food Environment
Role: Co-Investigator
Principal Investigator: Berge, Jerica M.
External Agency: NIH/NIDDK R21 DK091619
Award Dates: April 5, 2012 - March 31, 2015
Funded Amount: $267,243.00
Purpose: This innovative study used in-home observations (video-recorded family meals, home food inventory, interviews) of the home food environment to obtain a more comprehensive understanding of the risk and protective factors for childhood obesity in the home environment. The results were expected to directly inform the creation of interventions

to prevent childhood obesity.

Award: Minnesota Taconite Workers Health Study
Role: Co-Investigator
Principal Investigator: Mandel, Jeff
External Agency: State of Minnesota
Award Dates: July 1, 2008 - December 31, 2013
Funded Amount: $2,179,132.00
Purpose: This project consisted of a cohort mortality study of taconite workers, a cancer incidence study of these workers and a respiratory health screening study of current and former taconite workers and spouses.

Award: Multilevel Latent Class and Social Network Models for Observational and Adolescent Obesity Data
Role: Principal Investigator (Subcontract Columbia)
External Agency: NIH/NICHD R01 HD061940
Award Dates: August 1, 2009 - July 31, 2013
Funded Amount: $ 913,718
Purpose: This proposal developed and examined new statistical models and methods incorporating *latent variables*, *social networks* and *propensity scores* that simultaneously incorporated multiple variables from multi-levels of influence on adolescent obesity in order to inform a richer understanding of the phenomena.

Award: Epidemiologic Study of Risk Factors and Biomarkers of Atrial Fibrillation
Role: Co-Investigator
Principal Investigator: Alonso, Alvaro
External Agency: NIH/NHLBI RC1 HL 099452
Award Dates: September 30, 2009 - June 30, 2013
Funded Amount: $661,489.00
Purpose: This study provided novel information on risk factors for atrial fibrillation, particularly among African-Americans and contributes to our understanding of the pathogenic process underlying atrial fibrillation.

Award: Coronary Artery Risk Development in Young Adults (CARDIA) Study
Role: Co-Investigator
Principal Investigator: Schreiner, Pamela
External Agency: NIH/NHLBI N01 HC48048
Award Dates: January 1, 2009 - June 1, 2013
Funded Amount: $3,970,941.00
Purpose: The study was a long term observational longitudinal study examining risk factors for development of coronary artery disease.

Award: Project F-EAT
Role: Co-Investigator
Principal Investigator: Neumark-Sztainer, Dianne R.
External Agency: NIH/ NHLBI R01 HL 093247
Award Dates: June 1, 2009 - July 1, 2012
Funded Amount: $998,172.00
Purpose: This cross section study was designed to investigate factors influencing eating habits and physical activity among the friends and family of adolescents eating habits among adolescents.

Award: Immunological Factors and Risk of Vulvodynia
Role: Co-Investigator
Principal Investigator: Harlow, Bernard L.
External Agency: NIH/NICHD R01 HD058608
Award Dates: September 30, 2009 - December 31, 2011
Funded Amount: $2,163,427.00
Purpose: This prospective cohort study investigated the association between altered Immune-inflammatory response mechanisms in women and vulvodynia.

Award: Environmental Intervention for Weight Gain Prevention (Healthworks)
Role: Co-Investigator
Principal Investigator: Jeffery, Robert W.
External Agency: NIH/ NIDDK R01 DK067362
Award Dates: February 1, 2011 - June 1, 2011
Funded Amount: $2,033,367.00
Purpose: This group randomized trial was designed to determine whether changes in workplace environment impact individual overweight as well as individual behavior.

Award: Depression, Adipocytokines and Metabolic Dysregulation in Black and White Women
Role: Co-Investigator
Principal Investigator: Everson-Rose, Susan A.
External Agency: NIH/NHLBI R21 HL091290
Award Dates: April 1, 2009 - March 31, 2011
Funded Amount: $302,852.00
Purpose: The study was a longitudinal observational study examining the relationship between depression, adipocytokines and metabolic dysregulation.

Pending/Submitted:

Proposal: Natives FIRST
Role: Subcontract Principal (Washington State University)
Principal Investigator: Buchwald, D
Status: Pending
External Agency: NIH
Date Submitted: February 17, 2021
Requested Amount: $126,064.00
Purpose: Provide infrastructure for junior faculty pursuing research among American Indians and Alaska Natives.

Other Grants, Awards, Gifts, or Endowment Earnings (Internal Sources)

Award: Alzheimer's Disease and Related Dementias (ADRD) and Cognitive Practice among Tibetan Buddhist Monks
Project Investigators: MacLehose, Richard F (Principal)
Status: Funded
External Agency: University of Minnesota Center for Global Health & Social Responsibility
Institution: University of Minnesota
Award Dates: June 1, 2019 - May 31, 2021

Funded Amount: $25,000.00

Purpose: The purpose of this Center for Global Health and Social Responsibility Seed grant proposal is to estimate the prevalence of ADRD and MCI as well as the prevalence of risk and protective factors for ADRD among a population of Tibetan Buddhist male monks 55 years of age and older at Drepung and Ganden monasteries in central India.

Publications

Underline - indicates student author

Articles in Peer-Reviewed Journals

1. Alam AB, Lutsey PL, Chen LY, **MacLehose RF**, Shao IY, Alonso A. Risk Factors for Dementia in Patients With Atrial Fibrillation. Am J Cardiol. 2022 Jul 1;174:48-52. doi: 10.1016/j.amjcard.2022.03.029. Epub 2022 Apr 23. PMID: 35473779; PMCID: PMC9181692.

2. Smith ML, **MacLehose RF**, Chandler JW, Berman JD. Thunderstorms, Pollen, and Severe Asthma in a Midwestern, USA, Urban Environment, 2007-2018. Epidemiology. 2022 Sep 1;33(5):624-632. doi: 10.1097/EDE.0000000000001506. Epub 2022 May 16. PMID: 35580240.

3. Collin LJ, **MacLehose RF**, Ahern TP, Gradus JL, Getahun D, Silverberg MJ, Goodman M, Lash TL. Sampling Validation Data to Achieve a Planned Precision of the Bias-Adjusted Estimate of Effect. Am J Epidemiol. 2022 Jun 27;191(7):1290-1299. doi: 10.1093/aje/kwac025. PMID: 35136909; PMCID: PMC9989334.

4. Walker RF, Zakai NA, Mason SM, **MacLehose RF**, Norby FL, Evensen LH, Alonso A, Lutsey PL. Autoimmune disease and risk of postpartum venous thromboembolism. Res Pract Thromb Haemost. 2023 Feb 23;7(2):100091. doi: 10.1016/j.rpth.2023.100091. PMID: 36970127; PMCID: PMC10031534.

5. Shao Y, Hwang J, **MacLehose RF**, Alexander BH, Mandel JH, Raynor PC, Ramachandran G. Reconstructing Historical Exposures to Respirable Dust and Respirable Silica in the Taconite Mining Industry for 1955-2010. Ann Work Expo Health. 2022 Apr 22;66(4):459-471. doi: 10.1093/annweh/wxab099. PMID: 34864842.

6. Lutsey PL, Evensen LH, Thenappan T, Prins KW, Walker RF, Farley JF, **MacLehose RF**, Alonso A, Zakai NA. Incidence and Risk Factors of Pulmonary Hypertension After Venous Thromboembolism: An Analysis of a Large Health Care Database. J Am Heart Assoc. 2022 Jul 19;11(14):e024358. doi: 10.1161/JAHA.121.024358. Epub 2022 Jul 15. PMID: 35861839; PMCID: PMC9707844.

7. Lifson AR, Hailemichael A, Workneh S, **MacLehose RF**, Horvath KJ, Hilk R, Sites A, Slater L, Shenie T. A three-year randomized community trial of community support workers in rural Ethiopia to promote retention in HIV care. AIDS Care. 2022 Dec;34(12):1506-1512. doi: 10.1080/09540121.2022.2029819. Epub 2022 Feb 23. PMID: 35195481; PMCID: PMC9395549.

8. Xiao M, Chu H, Cole SR, Chen Y, **MacLehose RF**, Richardson DB, Greenland S. Controversy and Debate : Questionable utility of the relative risk in clinical research: Paper 4 :Odds Ratios are far from "portable" - A call to use realistic

models for effect variation in meta-analysis. J Clin Epidemiol. 2022 Feb;142:294-304. doi: 10.1016/j.jclinepi.2021.08.002. Epub 2021 Aug 11. PMID: 34390790; PMCID: PMC8831641.

9. Lenk KM, Toomey TL, **MacLehose RF**, Scholz N, Schriemer D, Nelson TF, Delehanty E, Bosma LM, Gloppen K. Place of last drink enforcement: Effects on alcohol-related traffic crashes. Alcohol Clin Exp Res. 2023 Feb;47(2):406-413. doi: 10.1111/acer.15001. Epub 2022 Dec 27. PMID: 36533550.

10. <u>Xiao M</u>, Chen Y, Cole SR, **MacLehose RF**, Richardson DB, Chu H. Controversy and Debate: Questionable utility of the relative risk in clinical research: Paper 2: Is the Odds Ratio "portable" in meta-analysis? Time to consider bivariate generalized linear mixed model. J Clin Epidemiol. 2022 Feb;142:280-287. doi: 10.1016/j.jclinepi.2021.08.004. Epub 2021 Aug 9. PMID: 34384876; PMCID: PMC8842816.

11. Moon HE, Kaholokula JK, **MacLehose RF**, Rote SM. Prevalence of Dementia in American Indians and Alaska Natives Compared to White, Black, and Hispanic Medicare Beneficiaries: Findings from the National Health and Aging Trends Study. J Racial Ethn Health Disparities. 2022 Jun 16. doi: 10.1007/s40615-022-01338-y. Epub ahead of print. PMID: 35710858.

12. Lifson AR, Hailemichael A, Workneh S, **MacLehose RF**, Horvath KJ, Hilk R, Sites A, Shenie T. Impact of Community Support Workers in Rural Ethiopia on Emotional and Psychosocial Health of Persons Living with HIV: Results of a Three-Year Randomized Community Trial. AIDS Behav. 2023 Feb 14. doi: 10.1007/s10461-023-04007-1. Epub ahead of print. PMID: 36788166.

13. <u>Goldsmith ES</u>, Krebs EE, Ramirez MR, **MacLehose RF**. Opioid-related Mortality in United States Death Certificate Data: A Quantitative Bias Analysis With Expert Elicitation of Bias Parameters. Epidemiology. 2023 May 1;34(3):421-429. doi: 10.1097/EDE.0000000000001600. Epub 2023 Feb 3. PMID: 36735892.

14. Peterson, J. M., Ranker, L. R., Barnard-Mayers, R., **MacLehose, R. F.,** Fox, M. P. (2021). A systematic review of quantitative bias analyses applied to epidemiologic research. *International Journal of Epidemiology.* [Accepted: 2021]
Role: Providing guidance on research question, editing paper

15. <u>Xiao, M.</u>, Chen, Y., Cole, S. R., **MacLehose, R. F.**, Richardson, D., & Chu, H. (2021). Is OR "portable" in meta-analysis? Time to consider bivariate generalized linear mixed models. *Journal of Clinical Epidemiology.* [Accepted: 2021]
Role: Framing of research question, writing and editing.

16. **MacLehose, R. F.**, Ahern, T. P., Lash, T. L., Poole, C., & Greenland, S. (2021). The importance of oral anticoagulant choice for the secondary prevention of venous thromboembolism on the risk of inpatient bleeding. *Epidemiology.* [Accepted: 2021]
Role: Developed question, analysis, wrote paper.

17. <u>Wang, Z.</u>, Lin, L., Hodges, J. S., **MacLehose, R. F.**, & Chu, H. (2021). A variance shrinkage method improves arm-based Bayesian network meta-analysis. *Statistical Methods in Medical Research, 30*(1), 151-165.
Role: Helped frame research and edit paper.

18. Hajat, A., **MacLehose, R. F.,** Rosofsky, A., Walker, K. D., Clougherty, J. E. (2021). Confounding by socioeconomic status in epidemiological studies of air pollution and health: Challenges and opportunities. *Environmental Health Perspectives*, *129*(6), 65001. Role: Framing research questions, writing, editing.

19. Ghazi, L., Oakes, J. M., **MacLehose, R. F.**, Luepker, R. V., Osypuk, T. L., & Drawz, P. E. (2020). Neighborhood socioeconomic status and identification of patients with CKD using electronic health records. *American Journal of Kidney Diseases, 78*(1), 57-65. doi: 10.1053/j.ajkd.2020.10.019
Role: Framing of research question, interpretation of results, senior methodologist in support of student, editing.

20. **MacLehose, R. F.**, Zakai, N.A., Walker, R. F., Alonso, A., Adams, T., Lutsey, P. L. (2021). Impact of oral anticoagulant choice for the secondary prevention of venous thromboembolism on the risk of inpatient bleeding. *Research and Practice in Thrombosis and Haemostasis, 5*(4), e12514.
Role: Developed question, analysis, wrote paper

21. Lash, T. L., Ahern, T. P., Collin, L. J., Fox, M. P., **MacLehose, R. F.** (2021). Bias analysis gone bad. *American Journal of Epidemiology*, Online ahead of print.
Role: Helped frame research question, analysis, writing, editing paper

22. Lash, T. L., Ahern, T. P., Collin, L. J., Fox, M. P., **MacLehose, R. F.** (2021). Lash et al. Respond to "Dealing with the Inevitable Deficiencies of Bias Analysis–and All Analyses" and "Toward Better Bias Analysis". *American Journal of Epidemiology*, Online ahead of print.
Role: Helped frame research question, analysis, writing, editing paper

23. Hanson, J. D., Oziel, K., Sarche, M., **MacLehose, R. F.**, Rosenman, R., Buchwald, D. (2021). A culturally tailored intervention to reduce risk of alcohol-exposed pregnancies in American Indian communities: Rationale, design, and methods. Accepted, *Contemporary Clinical Trials, 104*, 106351.
Role: Framing approach, writing and editing paper

24. Hamra, G. B., **MacLehose, R. F.**, Croen, L., Kauffman, E.M., Newschaffer, C. Bayesian weighted sums: A flexible approach to estimate summed mixture effects. *International Journal of Environmental Research and Public Health*, *18*(4), 1373. 2021
Role: Senior author, helped develop method, mentored analysis, writing, editing.

25. Hermosura, A. H., Noonan, C. J., Fyfe-Johnson, A. L., Seto, T. B., Kaholokula, J. K., & **MacLehose, R. F.** (2020). Hospital disparities between native Hawaiian and other Pacific Islanders and non-Hispanic Whites with Alzheimer's Disease and related dementias. *Journal of Aging and Health, 32*(10), 1579-1590. doi: 10.1177/0898264320945177
Role: Senior author, framing research question, analysis plan, interpretation of results, editing.

26. Lutsey, P. L., **MacLehose, R. F.**, Claxton, J. S., Walker, R. F., Adam, T. J., Alonso, A., & Zakai, N. A. (2020). Impact of oral anticoagulation choice on healthcare utilization for the primary treatment of venous thromboembolism. *Vascular Medicine, 25*(6), 549-556. doi: 10.1177/1358863X20940388
Role: Framing research question, assisting with analysis plan, interpreting results, editing.

27. French, S. A., Lutsey, P. L., Rosamond, W., **MacLehose, R. F.**, Cushman, M., & Folsom, A. R. (2020). Weight change over 9 years and subsequent risk of venous

thromboembolism in the ARIC cohort. *International Journal of Obesity, 44*(12), 2465-2471. PubMed Central ID Number: PMC7686265 doi: 10.1038/s41366-020-00674-5
Role: Framing research question, assisting with analysis plan, interpreting results, editing.

28. Shao, Y., **MacLehose, R. F.**, Lin, L., Hwang, J., Alexander, B. H., Mandel, J. H., & Ramachandran, G. (2020). A Bayesian approach for determining the relationship between various elongate mineral particles (EMPs) definitions. *Annals of Work Exposures and Health, 64*(9), 993-1006.   doi: 10.1093/annweh/wxaa074
Role: Senior methodologist in support of student, framing research question, mentoring analysis, troubleshooting, interpreting results, editing.

29. Claxton, J. S., Chamberlain, A. M., Lutsey, P. L., Chen, L. Y., **MacLehose, R. F.**, Bengtson, L. G., & Alonso, A. (2020). Association of multimorbidity with cardiovascular endpoints and treatment effectiveness in patients 75 years and older with atrial fibrillation. *American Journal of Medicine, 133*(10), e554-e567.   doi: 10.1016/j.amjmed.2020.03.038
Role: Framing research question, assisting with analysis plan, interpreting results, editing.

30. Goldsmith, E. S., **MacLehose, R. F.**, Jensen, A. C., Clothier, B., Noorbaloochi, S., Martinson, B. C., . . . Krebs, E. E. (2020). Complementary, integrative, and nondrug therapy use for pain among US military veterans on long-term opioids. *Medical Care, 58 Suppl 2 9S*, S116-S124. PubMed Central ID Number: PMC7444474 doi: 10.1097/MLR.0000000000001333
Role: Senior author, framing research question, analysis plan, mentoring analysis, interpretation of results, editing.

31. Lifson, A. R., Workneh, S., Hailemichael, A., **MacLehose, R. F.**, Horvath, K. J., Hilk, R., . . . Shenie, T. (2020). Disclosure of HIV status among patients new to HIV care in Southern Ethiopia: Role of perceived social support and other factors. *AIDS Care*, 1-6. PubMed Central ID Number: PMC7775902 doi: 10.1080/09540121.2020.1785999
Role: Framing research question, analysis, writing, editing.

32. Collin, L. J., **MacLehose, R. F.**, Ahern, T. P., Nash, R., Getahun, D., Roblin, D., . . . Lash, T. L. (2020). Adaptive validation design: A Bayesian approach to validation substudy design with prospective data collection. *Epidemiology, 31*(4), 509-516. PubMed Central ID Number: PMC7269021 doi: 10.1097/EDE.0000000000001209
Role: Senior methodologist in support of student. Framing research question, mentoring analysis, troubleshooting, interpreting results, editing.

33. Chen, N., Alam, A. B., Lutsey, P. L., **MacLehose, R. F.**, Claxton, J. S., Chen, L. Y., . . . Alonso, A. (2020). Polypharmacy, adverse outcomes, and treatment effectiveness in patients ≥75 with atrial fibrillation. *Journal of the American Heart Association, 9*(11), e015089. PubMed Central ID Number: PMC7429010 doi: 10.1161/JAHA.119.015089
Role: Framing research question, assisting with analysis plan, interpreting results, editing.

34. Ahern, T. P., **MacLehose, R. F.**, Haines, L., Cronin-Fenton, D. P., Damkier, P., Collin, L. J., & Lash, T. L. (2020). Improving the transparency of meta-analyses with interactive web applications. *BMJ Evidence-based Medicine*. PubMed Central ID Number: PMC7530078 doi: 10.1136/bmjebm-2019-111308
Role: Framing research question, assisting with analysis plan, interpreting results, editing.

35. Collin, L. J., Riis, A. H., **MacLehose, R. F.**, Ahern, T. P., Erichsen, R., Thorlacius-Ussing, O., & Lash, T. L. (2020). Application of the adaptive validation substudy design to colorectal cancer recurrence. *Clinical Epidemiology, 12*, 113-121. PubMed Central ID Number: PMC7007499 doi: 10.2147/CLEP.S230314

Role: Senior methodologist in support of student, framing research question, assisting with analysis plan, interpreting results, editing.

36. Lutsey, P. L., Norby, F. L., Ensrud, K. E., **MacLehose, R. F.**, Diem, S. J., Chen, L. Y., & Alonso, A. (2020). Association of anticoagulant therapy with risk of fracture among patients with atrial fibrillation. *JAMA Internal Medicine, 180*(2), 245-253. PubMed Central ID Number: PMC6902159 doi: 10.1001/jamainternmed.2019.5679
Role: Framing research question, assisting with analysis plan, interpreting results, editing.

37. Walker, R. F., Zakai, N. A., **MacLehose, R. F.**, Cowan, L. T., Adam, T. J., Alonso, A., & Lutsey, P. L. (2020). Association of testosterone therapy with risk of venous thromboembolism among men with and without hypogonadism. *JAMA Internal Medicine, 180*(2), 190-197. PubMed Central ID Number: PMC6865248 doi: 10.1001/jamainternmed.2019.5135
Role: Framing research question, assisting with analysis plan, interpreting results, editing.

38. Odo, N. U., Mandel, J. H., Alexander, B. H., Perlman, D. M., **MacLehose, R. F.**, Ramachandran, G., . . . Shao, Y. (2020). The impact of different approaches to exposure assessment on understanding non-malignant respiratory disease risk in taconite miners. *International Archives of Occupational and Environmental Health, 93*(1), 77-85. doi: 10.1007/s00420-019-01465-w
Role: Senior methodologist in support of student, framing research question, interpreting results, editing.

39. Shao, Y., Hwang, J., Alexander, B. H., Mandel, J. H., **MacLehose, R. F.**, & Ramachandran, G. (2019). Reconstructing historical exposures to elongate mineral particles (EMPs) in the taconite mining industry for 1955-2010. *Journal of Occupational and Environmental Hygiene, 16*(12), 817-826. doi: 10.1080/15459624.2019.1676431
Role: Senior methodologist in support of student, framing research question, interpreting results, editing.

40. Muller, C. J., Noonan, C. J., **MacLehose, R. F.**, Stoner, J. A., Lee, E. T., Best, L. G., . . . Howard, B. V. (2019). Trends in cardiovascular disease morbidity and mortality in American Indians over 25 years: The Strong Heart Study. *Journal of the American Heart Association, 8*(21), e012289. PubMed Central ID Number: PMC6898852 doi: 10.1161/JAHA.119.012289
Role: Framing research question, analysis plan, interpretation of results, editing.

41. Horvath, K. J., Lammert, S., **MacLehose, R. F.**, Danh, T., Baker, J. V., & Carrico, A. W. (2019). A pilot study of a mobile app to support HIV antiretroviral therapy adherence among men who have sex with men who use stimulants. *AIDS and Behavior, 23*(11), 3184-3198. PubMed Central ID Number: PMC6803067 doi: 10.1007/s10461-019-02597-3
Role: Framing research question, analysis plan, interpretation of results, editing.

42. Ogilvie, R. P., **MacLehose, R. F.**, Alonso, A., Norby, F. L., Lakshminarayan, K., Iber, C., . . . Lutsey, P. L. (2019). Diagnosed sleep apnea and cardiovascular disease in atrial fibrillation patients: The role of measurement error from administrative data. *Epidemiology, 30*(6), 885-892. doi: 10.1097/EDE.0000000000001049
Role: Senior methodologist in support of student, framing research question, helping plan analysis, mentoring student analysis, interpreting results, editing.

43. O'Neal, W. T., Alam, A. B., Sandesara, P. B., Claxton, J. S., **MacLehose, R. F.**, Chen, L. Y., . . . Alonso, A. (2019). Sex and racial differences in cardiovascular disease risk in patients with atrial fibrillation. *PLoS One, 14*(9), e0222147. PubMed Central ID Number:

PMC6726240 doi: 10.1371/journal.pone.0222147
Role: Framing research question, helping plan analysis, interpreting results, editing.

44. Horvath, K. J., **MacLehose, R. F.**, Martinka, A., DeWitt, J., Hightow-Weidman, L., Sullivan, P., & Amico, K. R. (2019). Connecting youth and young adults to optimize antiretroviral therapy adherence (YouTHrive): Protocol for a randomized controlled trial. *JMIR Research Protocols, 8*(7), e11502. PubMed Central ID Number: PMC6691670 doi: 10.2196/11502
Role: Framing research question, writing, editing.

45. Muller, C. J., Alonso, A., Forster, J., Vock, D. M., Zhang, Y., Gottesman, R. F., . . . **MacLehose, R. F.** (2019). Stroke incidence and survival in American Indians, Blacks, and Whites: The Strong Heart Study and Atherosclerosis Risk in Communities Study. *Journal of the American Heart Association, 8*(12), e010229. PubMed Central ID Number: PMC6645631 doi: 10.1161/JAHA.118.010229
Role: Senior author, framing question, plan analysis, interpret results, editing.

46. Wolf, T. M., Singer, R. S., Lonsdorf, E. V., **MacLehose, R.**, Gillespie, T. R., Lipende, I., . . . Travis, D. A. (2019). Syndromic surveillance of respiratory disease in free-living chimpanzees. *EcoHealth, 16*(2), 275-286.   doi: 10.1007/s10393-019-01400-y
Role: Framing research question, helping plan analysis, interpreting results, editing.

47. Lutsey, P. L., Walker, R. F., **MacLehose, R. F.**, Alonso, A., Adam, T. J., & Zakai, N. A. (2019). Direct oral anticoagulants and warfarin for venous thromboembolism treatment: Trends from 2012 to 2017. *Research and Practice in Thrombosis and Haemostasis, 3*(4), 668-673. PubMed Central ID Number: PMC6782014 doi: 10.1002/rth2.12222
Role: Framing research question, helping plan analysis, interpreting results, editing.

48. Claxton, J. S., **MacLehose, R. F.**, Lutsey, P. L., Norby, F. L., Chen, L. Y., O'Neal, W. T., . . . Alonso, A. (2019). A new model to predict ischemic stroke in patients with atrial fibrillation using warfarin or direct oral anticoagulants. *Heart Rhythm, 16*(6), 820-826. PubMed Central ID Number: PMC6545238 doi: 10.1016/j.hrthm.2018.12.005
Role: Framing research question, helping plan analysis, interpreting results, editing.

49. Lutsey, P. L., Zakai, N. A., **MacLehose, R. F.**, Norby, F. L., Walker, R. F., Roetker, N. S., . . . Alonso, A. (2019). Risk of hospitalised bleeding in comparisons of oral anticoagulant options for the primary treatment of venous thromboembolism. *British Journal of Haematology, 185*(5), 903-911. PubMed Central ID Number: PMC6536346 doi: 10.1111/bjh.15857
Role: Framing research question, helping plan analysis, interpreting results, editing.

50. Lutsey, P. L., Norby, F. L., Zakai, N. A., **MacLehose, R. F.**, Chen, L. Y., Shah, S., . . . Alonso, A. (2019). Oral anticoagulation therapy and subsequent risk of venous thromboembolism in atrial fibrillation patients. *Current Medical Research and Opinion, 35*(5), 837-845. PubMed Central ID Number: PMC6449182 doi: 10.1080/03007995.2018.1541445
Role: Framing research question, helping plan analysis, interpreting results, editing.

51. Claxton, J. S., Lutsey, P. L., **MacLehose, R. F.**, Chen, L. Y., Lewis, T. T., & Alonso, A. (2019). Geographic disparities in the incidence of stroke among patients with atrial fibrillation in the United States. *Journal of Stroke and Cerebrovascular Diseases, 28*(4), 890-899. PubMed Central ID Number: PMC6475902 doi: 10.1016/j.jstrokecerebrovasdis.2018.12.005
Role: Framing research question, helping plan analysis, interpreting results, editing.

52. Lian, Q., Hodges, J. S., **MacLehose, R.**, & Chu, H. (2019). A Bayesian approach for correcting exposure misclassification in meta-analysis. *Statistics in Medicine, 38*(1), 115-130. doi: 10.1002/sim.7969
Role: Framing research question, helping plan analysis, interpreting results, editing.

53. Lifson, A. R., Workneh, S., Hailemichael, A., **MacLehose, R. F.**, Horvath, K. J., Hilk, R., . . . Shenie, T. (2019). Advanced HIV disease among males and females initiating HIV care in rural Ethiopia. *Journal of the International Association of Providers of AIDS Care, 18*, 2325958219847199. PubMed Central ID Number: PMC6748532 doi: 10.1177/2325958219847199
Role: Framing of question, analysis, interpretation, writing, editing.

54. Zakai, N. A., Walker, R. F., **MacLehose, R. F.**, Adam, T. J., Alonso, A., & Lutsey, P. L. (2018). Impact of anticoagulant choice on hospitalized bleeding risk when treating cancer-associated venous thromboembolism. *Journal of Thrombosis and Haemostasis, 16*(12), 2403-2412. PubMed Central ID Number: PMC6289651 doi: 10.1111/jth.14303
Role: Framing research question, interpreting results, editing.

55. Chen, L. Y., Norby, F. L., Chamberlain, A. M., **MacLehose, R. F.**, Bengtson, L. G., Lutsey, P. L., & Alonso, A. (2018). CHA$_2$DS$_2$-VASc score and stroke prediction in atrial fibrillation in Whites, Blacks, and Hispanics. *Stroke*, STROKEAHA118021453. PubMed Central ID Number: PMC6541553 doi: 10.1161/STROKEAHA.118.021453
Role: Framing research question, helping plan analysis, interpreting results, editing.

56. Chen, N., Lutsey, P. L., **MacLehose, R. F.**, Claxton, J. S., Norby, F. L., Chamberlain, A. M., . . . Alonso, A. (2018). Association of oral anticoagulant type with risk of dementia among patients with nonvalvular atrial fibrillation. *Journal of the American Heart Association, 7*(21), e009561. PubMed Central ID Number: PMC6404188 doi: 10.1161/JAHA.118.009561
Role: Framing research question, helping plan analysis, interpreting results, editing.

57. Roetker, N. S., **MacLehose, R. F.**, Hoogeveen, R. C., Ballantyne, C. M., Basu, S., Cushman, M., & Folsom, A. R. (2018). Prospective study of endogenous hormones and incidence of venous thromboembolism: The Atherosclerosis Risk in Communities Study. *Thrombosis and Haemostasis, 118*(11), 1940-1950. PubMed Central ID Number: PMC6289254 doi: 10.1055/s-0038-1673613
Role: Senior author, framing of question, mentoring analysis plan, interpretation, editing.

58. O'Neal, W. T., Claxton, J. S., Sandesara, P. B., **MacLehose, R. F.**, Chen, L. Y., Bengtson, L. G., . . . Alonso, A. (2018). Provider specialty, anticoagulation, and stroke risk in patients with atrial fibrillation and cancer. *Journal of the American College of Cardiology, 72*(16), 1913-1922. PubMed Central ID Number: PMC6512871 doi: 10.1016/j.jacc.2018.07.077
Role: Framing research question, helping plan analysis, interpreting results, editing.

59. Alarid-Escudero, F., **MacLehose, R. F.**, Peralta, Y., Kuntz, K. M., & Enns, E. A. (2018). Nonidentifiability in model calibration and implications for medical decision making. *Medical Decision Making, 38*(7), 810-821. PubMed Central ID Number: PMC6156799 doi: 10.1177/0272989X18792283
Role: Framing research question, mentoring student with interpretation, editing.

60. Claxton, J. S., **MacLehose, R. F.**, Lutsey, P. L., Norby, F. L., Chen, L. Y., O'Neal, W. T., . . . Alonso, A. (2018). A new model to predict major bleeding in patients with atrial fibrillation using warfarin or direct oral anticoagulants. *PLoS One, 13*(9), e0203599. PubMed Central ID Number: PMC6130859 doi: 10.1371/journal.pone.0203599

Role: Framing research question, helping plan analysis, interpreting results, editing.

61. Donaldson, M. T., Polusny, M. A., **MacLehose, R. F.**, Goldsmith, E. S., Hagel Campbell, E. M., Miron, L. R., . . . Krebs, E. E. (2018). Patterns of conventional and complementary non-pharmacological health practice use by US military veterans: A cross-sectional latent class analysis. *BMC Complementary and Alternative Medicine, 18*(1), 246. PubMed Central ID Number: PMC6125945 doi: 10.1186/s12906-018-2313-7
Role: Senior methodologist in support of student, framing research question, mentoring student through analysis, interpreting results, editing.

62. Roetker, N. S., Lutsey, P. L., Zakai, N. A., Alonso, A., Adam, T. J., & **MacLehose, R. F.** (2018). All-cause mortality risk with direct oral anticoagulants and warfarin in the primary treatment of venous thromboembolism. *Thrombosis and Haemostasis, 118*(9), 1637-1645. PubMed Central ID Number: PMC6172009 doi: 10.1055/s-0038-1668521
Role: Senior author, framing research question, planning analysis, interpretation, editing.

63. Didericksen, K. W., Berge, J. M., Hannan, P. J., Harris, S. M., **MacLehose, R. F.**, & Neumark-Sztainer, D. (2018). Mother-father-adolescent triadic concordance and discordance on home environment factors and adolescent disordered eating behaviors. *Families, Systems & Health, 36*(3), 338-346. PubMed Central ID Number: PMC6070425 doi: 10.1037/fsh0000325
Role: Framing research question, helping plan analysis, interpreting results, editing.

64. Labrecque, J. A., Kaufman, J. S., Balzer, L. B., **MacLehose, R. F.**, Strumpf, E. C., Matijasevich, A., . . . Barros, A. J. (2018). Effect of a conditional cash transfer program on length-for-age and weight-for-age in Brazilian infants at 24 months using doubly-robust, targeted estimation. *Social Science & Medicine, 211*, 9-15. doi: 10.1016/j.socscimed.2018.05.040
Role: Framing research question, helping implement bias analysis, interpreting results, editing.

65. O'Neal, W. T., Sandesara, P. B., Claxton, J. S., **MacLehose, R. F.**, Chen, L. Y., Bengtson, L. G., . . . Alonso, A. (2018). Influence of sociodemographic factors and provider specialty on anticoagulation prescription fill patterns and outcomes in atrial fibrillation. *The American Journal of Cardiology, 122*(3), 388-394. PubMed Central ID Number: PMC6215489 doi: 10.1016/j.amjcard.2018.04.022
Role: Framing research question, helping plan analysis, interpreting results, editing.

66. Lifson, A. R., Workneh, S., Hailemichael, A., **MacLehose, R. F.**, Horvath, K. J., Hilk, R., . . . Shenie, T. (2018). A multi-site community randomized trial of community health workers to provide counseling and support for patients newly entering HIV care in rural Ethiopia: Study design and baseline implementation. *HIV Clinical Trials, 19*(3), 112-119. PubMed Central ID Number: PMC6082124 doi: 10.1080/15284336.2018.1461999
Role: Framing research question, analysis, writing, editing.

67. Alarid-Escudero, F., Enns, E. A., **MacLehose, R. F.**, Parsonnet, J., Torres, J., & Kuntz, K. M. (2018). Force of infection of Helicobacter pylori in Mexico: Evidence from a national survey using a hierarchical Bayesian model - CORRIGENDUM. *Epidemiology and Infection, 146*(8), 1070. doi: 10.1017/S0950268818001371
Role: Framing research question, helping plan analysis, interpreting results, editing.

68. Alarid-Escudero, F., Enns, E. A., **MacLehose, R. F.**, Parsonnet, J., Torres, J., & Kuntz, K. M. (2018). Force of infection of Helicobacter pylori in Mexico: Evidence from a national survey using a hierarchical Bayesian model. *Epidemiology and Infection, 146*(8), 961-969. PubMed Central ID Number: PMC5997526 doi: 10.1017/S0950268818000857

Role: Framing research question, helping plan analysis, interpreting results, editing.

69. Nelson, T. F., **MacLehose, R. F.**, Davey, C., Rode, P., & Nanney, M. S. (2018). Increasing inequality in physical activity among Minnesota secondary schools, 2001-2010. *Journal of Physical Activity & Health, 15*(5), 325-330. PubMed Central ID Number: PMC6885175 doi: 10.1123/jpah.2016-0444
Role: Framing question, analysis, writing, editing.

70. Perlman, D., Mandel, J. H., Odo, N., Ryan, A., Lambert, C., **MacLehose, R. F.**, . . . Alexander, B. H. (2018). Pleural abnormalities and exposure to elongate mineral particles in Minnesota iron ore (taconite) workers. *American Journal of Industrial Medicine, 61*(5), 391-399. doi: 10.1002/ajim.22828
Role: Framing research question, helping plan analysis, interpreting results, editing.

71. Fyfe-Johnson, A. L., Ryder, J. R., Alonso, A., **MacLehose, R. F.**, Rudser, K. D., Fox, C. K., . . . Kelly, A. S. (2018). Ideal cardiovascular health and adiposity: Implications in youth. *Journal of the American Heart Association, 7*(8). PubMed Central ID Number: PMC6015406 doi: 10.1161/JAHA.117.007467
Role: Helping plan analysis, interpreting results, editing.

72. O'Neal, W. T., Sandesara, P. B., Claxton, J. S., **MacLehose, R. F.**, Chen, L. Y., Bengtson, L. G., . . . Alonso, A. (2018). Provider specialty, anticoagulation prescription patterns, and stroke risk in atrial fibrillation. *Journal of the American Heart Association, 7*(6). PubMed Central ID Number: PMC5907557 doi: 10.1161/JAHA.117.007943
Role: Framing research question, helping plan analysis, interpreting results, editing.

73. **MacLehose, R. F.**, Bodnar, L. M., Meyer, C. S., Chu, H., & Lash, T. L. (2018). Hierarchical semi-Bayes methods for misclassification in perinatal epidemiology. *Epidemiology, 29*(2), 183-190. PubMed Central ID Number: PMC5792373 doi: 10.1097/EDE.0000000000000789
Role: Developed question, analysis, wrote paper.

74. Neumark-Sztainer, D., **MacLehose, R. F.**, Watts, A. W., Pacanowski, C. R., & Eisenberg, M. E. (2018). Yoga and body image: Findings from a large population-based study of young adults. *Body Image, 24*, 69-75. PubMed Central ID Number: PMC5869146 doi: 10.1016/j.bodyim.2017.12.003
Role: Framing research question, analysis, writing, editing.

75. Shah, S., Norby, F. L., Datta, Y. H., Lutsey, P. L., **MacLehose, R. F.**, Chen, L. Y., & Alonso, A. (2018). Comparative effectiveness of direct oral anticoagulants and warfarin in patients with cancer and atrial fibrillation. *Blood Advances, 2*(3), 200-209. PubMed Central ID Number: PMC5812321 doi: 10.1182/bloodadvances.2017010694
Role: Framing research question, helping plan analysis, interpreting results, editing.

76. Neumark-Sztainer, D., **MacLehose, R. F.**, Watts, A. W., Eisenberg, M. E., Laska, M. N., & Larson, N. (2017). How is the practice of yoga related to weight status? Population-based findings from Project EAT-IV. *Journal of Physical Activity & Health, 14*(12), 905-912. PubMed Central ID Number: PMC5865393 doi: 10.1123/jpah.2016-0608
Role: Analyzed data, interpreting results, writing, editing.

77. Jutkowitz, E., Kane, R. L., Gaugler, J. E., **MacLehose, R. F.**, Dowd, B., & Kuntz, K. M. (2017). Societal and family lifetime cost of dementia: Implications for policy. *Journal of the American Geriatrics Society, 65*(10), 2169-2175. PubMed Central ID Number: PMC5657516 doi: 10.1111/jgs.15043
Role: Methodologist in support of student, framing research question, helping plan and

mentor student through analysis, interpreting results, editing.

78. Norby, F. L., Bengtson, L. G., Lutsey, P. L., Chen, L. Y., **MacLehose, R. F.**, Chamberlain, A. M., . . . Alonso, A. (2017). Comparative effectiveness of rivaroxaban versus warfarin or dabigatran for the treatment of patients with non-valvular atrial fibrillation. *BMC Cardiovascular Disorders, 17*(1), 238. PubMed Central ID Number: PMC5585896 doi: 10.1186/s12872-017-0672-5
Role: Framing research question, helping plan analysis, interpreting results, editing.

79. Schofield, K. E., Alexander, B. H., Gerberich, S. G., & **MacLehose, R. F.** (2017). Workers' compensation loss prevention representative contact and risk of lost-time injury in construction policyholders. *Journal of Safety Research, 62*, 101-105.   doi: 10.1016/j.jsr.2017.06.012
Role: Senior methodologist in support of student, framing research question, interpreting results, editing.

80. Kubota, Y., Heiss, G., **MacLehose, R. F.**, Roetker, N. S., & Folsom, A. R. (2017). Association of educational attainment with lifetime risk of cardiovascular disease: The Atherosclerosis Risk in Communities Study. *JAMA Internal Medicine, 177*(8), 1165-1172. PubMed Central ID Number: PMC5710437 doi: 10.1001/jamainternmed.2017.1877
Role: Framing research question, helping plan analysis, interpreting results, editing.

81. Kubota, Y., Evenson, K. R., **MacLehose, R. F.**, Roetker, N. S., Joshu, C. E., & Folsom, A. R. (2017). Physical activity and lifetime risk of cardiovascular disease and cancer. *Medicine and Science in Sports and Exercise, 49*(8), 1599-1605. PubMed Central ID Number: PMC5511058 doi: 10.1249/MSS.0000000000001274
Role: Framing research question, helping plan analysis, interpreting results, editing.

82. Jutkowitz, E., Kuntz, K. M., Dowd, B., Gaugler, J. E., **MacLehose, R. F.**, & Kane, R. L. (2017). Effects of cognition, function, and behavioral and psychological symptoms on out-of-pocket medical and nursing home expenditures and time spent caregiving for persons with dementia. *Alzheimer's & Dementia, 13*(7), 801-809. PubMed Central ID Number: PMC5644025 doi: 10.1016/j.jalz.2016.12.011
Role: Methodologist in support of student, framing research question, helping student plan analysis, interpreting results, editing.

83. Roetker, N. S., Armasu, S. M., Pankow, J. S., Lutsey, P. L., Tang, W., Rosenberg, M. A., . . .**MacLehose, R. F.**,… Folsom, A. R. (2017). Taller height as a risk factor for venous thromboembolism: A Mendelian randomization meta-analysis. *Journal of Thrombosis and Haemostasis, 15*(7), 1334-1343. PubMed Central ID Number: PMC5504700 doi: 10.1111/jth.13719
Role: Framing research question, helping plan analysis, help student understand method, interpreting results, editing.

84. Bengtson, L. G., Lutsey, P. L., Chen, L. Y., **MacLehose, R. F.**, & Alonso, A. (2017). Comparative effectiveness of dabigatran and rivaroxaban versus warfarin for the treatment of non-valvular atrial fibrillation. *Journal of Cardiology, 69*(6), 868-876. PubMed Central ID Number: PMC5411320 doi: 10.1016/j.jjcc.2016.08.010
Role: Framing research question, helping plan analysis, interpreting results, editing.

85. Jutkowitz, E., Kane, R. L., Dowd, B., Gaugler, J. E., **MacLehose, R. F.**, & Kuntz, K. M. (2017). Effects of cognition, function, and behavioral and psychological symptoms on Medicare expenditures and health care utilization for persons with dementia. *The Journals of Gerontology: Series A, Biological Sciences and Medical Sciences, 72*(6),

818-824. PubMed Central ID Number: PMC6075208 doi: 10.1093/gerona/glx035
Role: Methodologist in support of student, framing research question, interpreting results, editing.

86. Alonso, A., **MacLehose, R. F.**, Chen, L. Y., Bengtson, L. G., Chamberlain, A. M., Norby, F. L., & Lutsey, P. L. (2017). Prospective study of oral anticoagulants and risk of liver injury in patients with atrial fibrillation. *Heart, 103*(11), 834-839. PubMed Central ID Number: PMC5429195 doi: 10.1136/heartjnl-2016-310586
Role: Framing research question, helping plan analysis, interpreting results, editing.

87. Richardson, D. B., Keil, A. P., Cole, S. R., & **MacLehose, R. F.** (2017). Observed and expected mortality in cohort studies. *American Journal of Epidemiology, 185*(6), 479-486. PubMed Central ID Number: PMC5391699 doi: 10.1093/aje/kww205
Role: Framing research question, helping with methods, interpretation, editing.

88. Jutkowitz, E., **MacLehose, R. F.**, Gaugler, J. E., Dowd, B., Kuntz, K. M., & Kane, R. L. (2017). Risk factors associated with cognitive, functional, and behavioral trajectories of newly diagnosed dementia patients. *The Journals of Gerontology: Series A, Biological Sciences and Medical Sciences, 72*(2), 251-258. PubMed Central ID Number: PMC5344797 doi: 10.1093/gerona/glw079
Role: Senior methodologist in support of student, framing research question, interpreting results, editing.

89. Trofholz, A. C., Tate, A. D., Draxten, M. L., Rowley, S. S., Schulte, A. K., Neumark-Sztainer, D., . . . **MacLehose, R. F.**, Berge, J. M. (2017). What's being served for dinner? An exploratory investigation of the associations between the healthfulness of family meals and child dietary intake. *Journal of the Academy of Nutrition and Dietetics, 117*(1), 102-109. PubMed Central ID Number: PMC5183515 doi: 10.1016/j.jand.2016.08.006
Role: Framing research question, helping plan analysis, interpreting results, editing.

90. Berge, J. M., **MacLehose, R. F.**, Larson, N., Laska, M., & Neumark-Sztainer, D. (2016). Family food preparation and its effects on adolescent dietary quality and eating patterns. *Journal of Adolescent Health, 59*(5), 530-536. PubMed Central ID Number: PMC5606239 doi: 10.1016/j.jadohealth.2016.06.007
Role: Framing research question, analyzed data, writing and interpretation.

91. Nanney, M. S., **MacLehose, R. F.**, Kubik, M. Y., Davey, C. S., O'Connell, M. J., Grannon, K. Y., & Nelson, T. F. (2016). School obesity prevention policies and practices in Minnesota and student outcomes: A longitudinal cohort study. *American Journal of Preventive Medicine, 51*(5), 656-663. PubMed Central ID Number: PMC5067167 doi: 10.1016/j.amepre.2016.05.008
Role: Framing research question, analyzed data, writing, and interpretation.

92. Lutsey, P. L., Norby, F. L., Gottesman, R. F., Mosley, T., **MacLehose, R. F.**, Punjabi, N. M., . . . Alonso, A. (2016). Sleep apnea, sleep duration and brain MRI markers of cerebral vascular disease and Alzheimer's Disease: The Atherosclerosis Risk in Communities Study (ARIC). *PLoS One, 11*(7), e0158758. PubMed Central ID Number: PMC4944966 doi: 10.1371/journal.pone.0158758
Role: Framing research question, helping plan analysis, interpreting results, editing.

93. Fyfe-Johnson, A. L., Muller, C. J., Alonso, A., Folsom, A. R., Gottesman, R. F., Rosamond, W. D., . . . **MacLehose, R. F.** (2016). Heart rate variability and incident stroke: The Atherosclerosis Risk in Communities Study. *Stroke, 47*(6), 1452-8. PubMed Central ID Number: PMC4880420 doi: 10.1161/STROKEAHA.116.012662
Role: Senior Author, framing research question, mentoring students through analysis,

editing, interpretation.

94. Berge, J. M., Meyer, C., **MacLehose, R. F.**, Loth, K., & Neumark-Sztainer, D. (2016). Do parents treat siblings similarly or differently with regard to feeding practices, weight-related conversations, and support for physical activity? An exploratory analysis. *Childhood Obesity, 12*(2), 87-93. PubMed Central ID Number: PMC4817570 doi: 10.1089/chi.2015.0049
Role: Framing research questions, mentoring student analysis, interpretation.

95. Alonso, A., & **MacLehose, R. F.** (2016). Commentary: Weight loss and coronary heart disease: Uncontrolled confounding by undiagnosed disease may not be all it's cracked up to be. *Epidemiology, 27*(2), 299-301. doi: 10.1097/EDE.0000000000000429
Role: Framing commentary, writing, editing.

96. Folsom, A. R., Tang, W., George, K. M., Heckbert, S. R., **MacLehose, R. F.**, Cushman, M., & Pankow, J. S. (2016). Prospective study of γ' fibrinogen and incident venous thromboembolism: The Longitudinal Investigation of Thromboembolism Etiology (LITE). *Thrombosis Research, 139*, 44-9. PubMed Central ID Number: PMC4769380 doi: 10.1016/j.thromres.2016.01.008
Role: Framing research question, helping plan analysis, interpreting results, editing.

97. Lambert, C. S., Alexander, B. H., Ramachandran, G., **MacLehose, R. F.**, Nelson, H. H., Ryan, A. D., & Mandel, J. H. (2016). A case-control study of mesothelioma in Minnesota iron ore (taconite) miners. *Occupational and Environmental Medicine, 73*(2), 103-9. PubMed Central ID Number: PMC5957754 doi: 10.1136/oemed-2015-103105
Role: Senior methodologist in support of student, framing research question, interpreting results, editing.

98. Lutsey, P. L., Bengtson, L. G., Punjabi, N. M., Shahar, E., Mosley, T. H., Gottesman, R. F., . . .**MacLehose, R. F.**, Alonso, A. (2016). Obstructive sleep apnea and 15-year cognitive decline: The Atherosclerosis Risk in Communities (ARIC) Study. *Sleep, 39*(2), 309-16. PubMed Central ID Number: PMC4712410 doi: 10.5665/sleep.5434
Role: Framing research question, helping plan analysis, interpreting results, editing.

99. Lampard, A. M., **MacLehose, R. F.**, Eisenberg, M. E., Larson, N. I., Davison, K. K., & Neumark-Sztainer, D. (2016). Adolescents who engage exclusively in healthy weight control behaviors: Who are they? *The International Journal of Behavioral Nutrition and Physical Activity, 13*, 5. PubMed Central ID Number: PMC4714537 doi: 10.1186/s12966-016-0328-3
Role: Analyzing data, interpretation, editing, writing.

100. Loth, K. A., **MacLehose, R. F.**, Larson, N., Berge, J. M., & Neumark-Sztainer, D. (2016). Food availability, modeling and restriction: How are these different aspects of the family eating environment related to adolescent dietary intake? *Appetite, 96*, 80-86. PubMed Central ID Number: PMC4684786 doi: 10.1016/j.appet.2015.08.026
Role: Framing research question, helping student analyze data, interpretation, editing.

101. Berge, J. M., **MacLehose, R. F.**, Meyer, C., Didericksen, K., Loth, K. A., & Neumark-Sztainer, D. (2016). He said, she said: Examining parental concordance on home environment factors and adolescent health behaviors and weight status. *Journal of the Academy of Nutrition and Dietetics, 116*(1), 46-60. PubMed Central ID Number: PMC4698112 doi: 10.1016/j.jand.2015.05.004
Role: Framing research question, analyzed data, writing and interpretation.

102. Appiah, D., Schreiner, P. J., **MacLehose, R. F.**, & Folsom, A. R. (2015). Association of

plasma γ' fibrinogen with incident cardiovascular disease: The Atherosclerosis Risk in Communities (ARIC) Study. *Arteriosclerosis, Thrombosis, and Vascular Biology, 35*(12), 2700-6. PubMed Central ID Number: PMC4662615 doi: 10.1161/ATVBAHA.115.306284
Role: Framing research question, helping plan analysis, interpreting results, editing.

103. Goldschmidt, A. B., Loth, K. A., **MacLehose, R. F.**, Pisetsky, E. M., Berge, J. M., & Neumark-Sztainer, D. (2015). Overeating with and without loss of control: Associations with weight status, weight-related characteristics, and psychosocial health. *The International Journal of Eating Disorders, 48*(8), 1150-7. PubMed Central ID Number: PMC4715663 doi: 10.1002/eat.22465
Role: Senior methodologist in support of student, framing research question, helping plan analysis, interpreting results, editing.

104. Allen, E. M., Alexander, B. H., **MacLehose, R. F.**, Nelson, H. H., Ramachandran, G., & Mandel, J. H. (2015). Cancer incidence among Minnesota taconite mining industry workers. *Annals of Epidemiology, 25*(11), 811-5. PubMed Central ID Number: PMC4576455 doi: 10.1016/j.annepidem.2015.08.003
Role: Senior methodologist in support of student, framing research question, helping plan analysis, interpreting results, editing.

105. Hardy, S. T., Loehr, L. R., Butler, K. R., Chakladar, S., Chang, P. P., Folsom, A. R., . . . **MacLehose, R. F.**,…Avery, C. L. (2015). Reducing the blood pressure-related burden of cardiovascular disease: Impact of achievable improvements in blood pressure prevention and control. *Journal of the American Heart Association, 4*(10), e002276. PubMed Central ID Number: PMC4845128 doi: 10.1161/JAHA.115.002276
Role: Framing research question, helping plan analysis, interpreting results, editing.

106. Mason, S. M., **MacLehose, R. F.**, Katz-Wise, S. L., Austin, S. B., Neumark-Sztainer, D., Harlow, B. L., & Rich-Edwards, J. W. (2015). Childhood abuse victimization, stress-related eating, and weight status in young women. *Annals of Epidemiology, 25*(10), 760-6.e2. PubMed Central ID Number: PMC4567939 doi: 10.1016/j.annepidem.2015.06.081
Role: Framing research question, helping plan analysis, interpreting results, editing.

107. Richardson, D. B., Kinlaw, A. C., **MacLehose, R. F.**, & Cole, S. R. (2015). Standardized binomial models for risk or prevalence ratios and differences. *International Journal of Epidemiology, 44*(5), 1660-72. PubMed Central ID Number: PMC6372130 doi: 10.1093/ije/dyv137
Role: Framing research question, helping plan analysis, interpreting results, editing.

108. Mueller, N. T., Jacobs, Jr, D. R., **MacLehose, R. F.**, Demerath, E. W., Kelly, S. P., Dreyfus, J. G., & Pereira, M. A. (2015). Consumption of caffeinated and artificially sweetened soft drinks is associated with risk of early menarche. *The American Journal of Clinical Nutrition, 102*(3), 648-54. PubMed Central ID Number: PMC4548172 doi: 10.3945/ajcn.114.100958
Role: Framing research question, helping plan analysis, interpreting results, editing.

109. Richardson, D. B., Hamra, G. B., **MacLehose, R. F.**, Cole, S. R., & Chu, H. (2015). Hierarchical regression for analyses of multiple outcomes. *American Journal of Epidemiology, 182*(5), 459-67. doi: 10.1093/aje/kwv047
Role: Framing research question, helping plan analysis, interpreting results, editing.

110. Allen, E. M., Alexander, B. H., **MacLehose, R. F.**, Nelson, H. H., Ryan, A. D., Ramachandran, G., & Mandel, J. H. (2015). Occupational exposures and lung cancer risk among Minnesota taconite mining workers. *Occupational and Environmental Medicine,*

72(9), 633-9. PubMed Central ID Number: PMC4537827 doi: 10.1136/oemed-2015-102825
Role: Senior methodologist in support of student, framing research question, interpreting results, editing.

111. Oakes, J. M., **MacLehose, R. F.**, McDonald, K., & Harlow, B. L. (2015). Using administrative health care system records to recruit a community-based sample for population research. *Annals of Epidemiology, 25*(7), 526-31. doi: 10.1016/j.annepidem.2015.03.015
Role: Framing research question, helping plan analysis, interpreting results, editing.

112. Berge, J. M., Meyer, C., **MacLehose, R. F.**, Crichlow, R., & Neumark-Sztainer, D. (2015). All in the family: Correlations between parents' and adolescent siblings' weight and weight-related behaviors. *Obesity, 23*(4), 833-9. PubMed Central ID Number: PMC4380227 doi: 10.1002/oby.21036
Role: Framing research question, helping plan analysis, mentored analysis, interpreting results, editing.

113. Alonso, A., **MacLehose, R. F.**, Lutsey, P. L., Konety, S., & Chen, L. Y. (2015). Association of amiodarone use with acute pancreatitis in patients with atrial fibrillation: A nested case-control study. *JAMA Internal Medicine, 175*(3), 449-50. PubMed Central ID Number: PMC4529997 doi: 10.1001/jamainternmed.2014.6927
Role: Framing research question, helping plan analysis, interpreting results, editing.

114. Mueller, N. T., Pereira, M. A., Demerath, E. W., Dreyfus, J. G., **MacLehose, R. F.**, Carr, J. J., . . . Jacobs, Jr, D. R. (2015). Earlier menarche is associated with fatty liver and abdominal ectopic fat in midlife, independent of young adult BMI: The CARDIA study. *Obesity, 23*(2), 468-74. PubMed Central ID Number: PMC4310794 doi: 10.1002/oby.20950
Role: Framing research question, helping plan analysis, interpreting results, editing.

115. Berge, J. M., **MacLehose, R. F.**, Loth, K. A., Eisenberg, M. E., Fulkerson, J. A., & Neumark-Sztainer, D. (2015). Parent-adolescent conversations about eating, physical activity and weight: Prevalence across sociodemographic characteristics and associations with adolescent weight and weight-related behaviors. *Journal of Behavioral Medicine, 38*(1), 122-35. PubMed Central ID Number: PMC4538951 doi: 10.1007/s10865-014-9584-3
Role: Framing research question, analyzed data, writing and interpretation.

116. Bauer, K. W., **MacLehose, R.**, Loth, K. A., Fisher, J. O., Larson, N. I., & Neumark-Sztainer, D. (2015). Eating- and weight-related parenting of adolescents in the context of food insecurity. *Journal of the Academy of Nutrition and Dietetics, 115*(9), 1408-1416. doi: 10.1016/j.jand.2015.01.011
Role: Framing research question, analyzed data, writing and interpretation.

117. Kubik, M. Y., Davey, C., **MacLehose, R. F.**, Coombes, B., & Nanney, M. S. (2015). Snacks, beverages, vending machines, and school stores: A comparison of alternative and regular schools in Minnesota, 2002 to 2008. *Journal of the Academy of Nutrition and Dietetics, 115*(1), 101-5. PubMed Central ID Number: PMC4276486 doi: 10.1016/j.jand.2014.06.359
Role: Framing research question, helping plan analysis, interpreting results, editing.

118. **MacLehose, R. F.**, & Hamra, G (2014). Applications of Bayesian methods to epidemiologic research. *Curr Epidemiol, 1*(3), 103-109.
Role: Developed question, wrote paper.

119. Lash, T. L., Fox, M. P., **MacLehose, R. F.**, Maldonado, G., McCandless, L. C., & Greenland, S. (2014). Good practices for quantitative bias analysis. *International Journal of Epidemiology, 43*(6), 1969-85.   doi: 10.1093/ije/dyu149
Role: Helped develop paper idea, wrote substantial portion of paper, edited.

120. Berge, J. M., Rowley, S., Trofholz, A., Hanson, C., Rueter, M., **MacLehose, R. F.**, & Neumark-Sztainer, D. (2014). Childhood obesity and interpersonal dynamics during family meals. *Pediatrics, 134*(5), 923-32. PubMed Central ID Number: PMC4210801 doi: 10.1542/peds.2014-1936
Role: Framing research question, helping plan analysis, interpreting results, editing.

121. Allen, E. M., Alexander, B. H., **MacLehose, R. F.**, Ramachandran, G., & Mandel, J. H. (2014). Mortality experience among Minnesota taconite mining industry workers. *Occupational and Environmental Medicine, 71*(11), 744-9.   doi: 10.1136/oemed-2013-102000
Role: Senior methodologist in support of student, framing research question, helping plan analysis, interpreting results, editing.

122. Berge, J. M., Meyer, C., **MacLehose, R. F.**, Eisenberg, M. E., & Neumark-Sztainer, D. (2014). Nonresident parental influence on adolescent weight and weight-related behaviors: Similar or different from resident parental influence? *The International Journal of Behavioral Nutrition and Physical Activity, 11*, 131. PubMed Central ID Number: PMC4212095 doi: 10.1186/s12966-014-0131-y
Role: Framing research question, helping plan analysis, interpreting results, editing.

123. Naimi, A. I., Kaufman, J. S., & **MacLehose, R. F.** (2014). Mediation misgivings: Aambiguous clinical and public health interpretations of natural direct and indirect effects. *International Journal of Epidemiology, 43*(5), 1656-61.   doi: 10.1093/ije/dyu107
Role: Framing research questions, writing, editing, interpretation.

124. Lampard, A. M., **MacLehose, R. F.**, Eisenberg, M. E., Neumark-Sztainer, D., & Davison, K. K. (2014). Weight-related teasing in the school environment: Associations with psychosocial health and weight control practices among adolescent boys and girls. *Journal of Youth and Adolescence, 43*(10), 1770-80. PubMed Central ID Number: PMC4085153 doi: 10.1007/s10964-013-0086-3
Role: Analyzed data, writing, interpretation, editing.

125. Nanney, M. S., Nelson, T. F., Kubik, M. Y., Coulter, S., Davey, C. S., **MacLehose, R.**, & Rode, P. A. (2014). Evaluating school obesity-related policies using surveillance tools: Lessons from the ScOPE study. *Health Promotion Practice, 15*(5), 622-8. PubMed Central ID Number: PMC4710056 doi: 10.1177/1524839914539347
Role: Framing research question, helping plan analysis, interpreting results, editing.

126. **MacLehose, R. F.**, & Werler, M. M. (2014). Importance of bias analysis in epidemiologic research. *Paediatric and Perinatal Epidemiology, 28*(5), 353-5.   doi: 10.1111/ppe.12147
Role: Formulated idea, wrote paper, edited.

127. Alonso, A., Bengtson, L. G., **MacLehose, R. F.**, Lutsey, P. L., Chen, L. Y., & Lakshminarayan, K. (2014). Intracranial hemorrhage mortality in atrial fibrillation patients treated with dabigatran or warfarin. *Stroke, 45*(8), 2286-91. PubMed Central ID Number: PMC4116615 doi: 10.1161/STROKEAHA.114.006016
Role: Framing research question, helping plan analysis, interpreting results, editing.

128. Harper, S., **MacLehose, R. F.**, & Kaufman, J. S. (2014). Trends in the black-white life

expectancy gap among US states, 1990-2009. *Health Affairs, 33*(8), 1375-82. doi: 10.1377/hlthaff.2013.1273
Role: Framing research question, analyzing data, interpreting results, editing.

129. Muller, C. J., & **MacLehose, R. F.** (2014). Estimating predicted probabilities from logistic regression: Different methods correspond to different target populations. *International Journal of Epidemiology, 43*(3), 962-70. PubMed Central ID Number: PMC4052139 doi: 10.1093/ije/dyu029
Role: Senior author, framing research question, mentoring student through first method paper.

130. Nanney, M. S., **MacLehose, R.**, Kubik, M. Y., Davey, C. S., Coombes, B., & Nelson, T. F. (2014). Recommended school policies are associated with student sugary drink and fruit and vegetable intake. *Preventive Medicine, 62*, 179-81. PubMed Central ID Number: PMC3988251 doi: 10.1016/j.ypmed.2014.01.026
Role: Framing research question, analyzed data, writing and interpretation.

131. Loth, K. A., **MacLehose, R. F.**, Fulkerson, J. A., Crow, S., & Neumark-Sztainer, D. (2014). Are food restriction and pressure-to-eat parenting practices associated with adolescent disordered eating behaviors? *The International Journal of Eating Disorders, 47*(3), 310-4. PubMed Central ID Number: PMC3963280 doi: 10.1002/eat.22189
Role: Senior methodologist in support of student, framing research question, interpretation, editing.

132. Hamra, G., **MacLehose, R. F.**, Richardson, D., Bertke, S., & Daniels, R. D. (2014). Modelling complex mixtures in epidemiologic analysis: Additive versus relative measures for differential effectiveness. *Occupational and Environmental Medicine, 71*(2), 141-146.
Role: Senior author, mentoring student through methods paper, framing question, editing.

133. Berge, J. M., Bauer, K. W., **MacLehose, R. F.**, Eisenberg, M. E., & Neumark-Sztainer, D. R. (2014). Associations between relationship status and day-to-day health behaviors and weight among diverse young adults. *Families, Systems and Health, 32*(1), 67-77.
Role: Analyzing data, interpretation, writing, editing.

134. Bruening, M., **MacLehose, R. F.**, Eisenberg, M., Nanney, M. S., Story, M. T., & Neumark-Sztainer, D. R. (2014). Associations between sugar-sweetened beverage consumption and fast-food restaurant frequency among adolescents and their friends. *Journal of Nutrition Education and Behavior, 46*(4), 277-285.
Role: Senior methodologist in support of student, framing research question, interpretation, editing.

135. Loth, K. A., **MacLehose, R.**, Bucchianeri, M., Crow, S., & Neumark-Sztainer, D. (2014). Predictors of dieting and disordered eating behaviors from adolescence to young adulthood. *Journal of Adolescent Health, 55*(5), 705-712. doi: 10.1016/j.jadohealth.2014.04.016
Role: Senior methodologist in support of student, framing research question, interpretation, editing.

136. Harlow, B. L., Kunitz, C. G., Nguyen, R. H., Rydell, S. A., Turner, R. M., & **MacLehose, R. F.** (2014). Prevalence of symptoms consistent with a diagnosis of vulvodynia: Population-based estimates from 2 geographic regions. *American Journal of Obstetrics and Gynecology, 210*(1), 40.e1-40.e8.
Role: Senior author, framing research question, mentoring analysis, interpretation, editing.

137. Neumark-Sztainer, D., **MacLehose, R.**, Loth, K., Fulkerson, J. A., Eisenberg, M. E., & Berge, J. (2014). What's for dinner? Types of food served at family dinner differ across parent and family characteristics. *Public Health Nutrition, 17*(1), 145-55. PubMed Central ID Number: PMC3815492 doi: 10.1017/S1368980012004594
Role: Analyzed data, assisted with methods, writing and interpretation

138. Kaufman, J. S., & **MacLehose, R. F.** (2013). Which of these things is not like the others? *Cancer, 119*(24), 4216-4222.
Role: Framing paper, writing, editing.

139. Larson, N. I., **MacLehose, R. F.**, Fulkerson, J., Berge, J. M., Story, M. T., & Neumark-Sztainer, D. R. (2013). Eating breakfast and dinner together as a family: Associations with sociodemographic characteristics and implications for diet quality and weight status. *Journal of the Academy of Nutrition and Dietetics, Journal of the Academy of Nutrition and Dietetics, 113*(12), 1601-1609.
Role: Framing research question, analysis, interpreting results, editing.

140. Shimotsu, S. T., Jones-Webb, R. J., **MacLehose, R. F.**, Nelson, T. F., Forster, J., & Lytle, L. (2013). Neighborhood socioeconomic characteristics, the retail environment, and alcohol consumption: A multilevel analysis. *Drug and Alcohol Dependence, 132*(3), 449-456.
Role: Framing research question, helping plan analysis, interpreting results, editing.

141. Nguyen, R. H., Turner, R. M., Rydell, S. A., **MacLehose, R. F.**, & Harlow, B. L. (2013). Perceived stereotyping and seeking care for chronic vulvar pain. *Pain Medicine, 14*(10), 1461-1467.
Role: Framing research question, helping plan analysis, interpreting results, editing.

142. Berge, J. M., **MacLehose, R. F.**, Loth, K., Eisenberg, M., Bucchianeri, M. M., & Neumark-Sztainer, D. R. (2013). Parent conversations about healthful eating and weight associations with adolescent disordered eating behaviors. *JAMA Pediatrics, 167*(8), 746-753.
Role: Analyzed data, assisted with methods, writing and interpretation.

143. Whitham, H. K., **MacLehose, R. F.**, Harlow, B. L., Wellons, M. F., & Schreiner, P. J. (2013). Assessing the utility of methods for menopausal transition classification in a population-based cohort: The CARDIA Study. *Maturitas, 75*(3), 289-293.
Role: Senior author, mentoring student through analysis and paper, interpretation, editing.

144. Quick, V., Loth, K., **MacLehose, R. F.**, Linde, J. A., & Neumark-Sztainer, D. R. (2013). Prevalence of adolescents' self-weighing behaviors and associations with weight-related behaviors and psychological well-being. *Journal of Adolescent Health, 52*(6), 738-744.
Role: Senior methodologist in support of student, research question, interpreting results, editing.

145. Kubik, M. Y., Davey, C. S., Nanney, M. S., **MacLehose, R. F.**, Nelson, T. F., & Coombes, B. (2013). Vending and school store snack and beverage trends: Minnesota secondary schools, 2002-2010. *American Journal of Preventive Medicine, 44*(6), 583-588.
Role: Framing research question, helping plan analysis, interpreting results, editing.

146. Harlow, B. L., **MacLehose, R. F.** (co-first author), Smolenski, D. J., Soares, C. N., Otto, M. W., Joffe, H., & Cohen, L. S. (2013). Disparate rates of new-onset depression during the menopausal transition in 2 community-based populations: Real, or really wrong? *American Journal of Epidemiology, 177*(10), 1148-1156.

Role: Analyzed data, methods, writing and interpretation.

147. Loth, K., **MacLehose, R. F.**, Fulkerson, J., Crow, R. S., & Neumark-Sztainer, D. R. (2013). Food-related parenting practices and adolescent weight status: A population-based study. *Pediatrics, 131*(5), e1443-e1450.
Role: Senior methodologist in support of student, framing research question, interpretation, editing.

148. Loth, K., **MacLehose, R. F.**, Fulkerson, J., Crow, R. S., & Neumark-Sztainer, D. R. (2013). Erratum to 'Eat this, not that! Parental demographic correlates of food-related parenting practices' [Appetite 60 (2013) 140-147]. *Appetite, 63*, 146-.
Role: Senior methodologist in support of student, framing research question, interpretation, editing.

149. Hamra, G., **MacLehose, R. F.**, & Richardson, D. (2013). Markov chain Monte Carlo: An introduction for epidemiologists. *International Journal of Epidemiology, 42*(2), 627-634.
Role: Senior author, mentoring student through analysis and paper, framing research question, interpretation, editing.

150. Soliman, A. M., Carlson, A. M., **MacLehose, R. F.**, Brummel, A. R., & Schommer, J. C. (2013). Patient characteristics predicting the frequency of medication therapy management visits for patients with diabetes. *Clinical Therapeutics, 35*(4), 534-540.
Role: Senior methodologist in support of student, framing research question, helping plan analysis, interpreting results, editing.

151. Huxley, R. R., Lopez, F. L., **MacLehose, R. F.**, Eckfeldt, J. H., Couper, D., Leiendecker-Foster, C., . . . Alonso, A. (2013). Novel association between plasma matrix metalloproteinase-9 and risk of incident atrial fibrillation in a case-cohort study: The Atherosclerosis Risk in Communities Study. *PLoS ONE, 8*(3).
Role: Framing research question, helping plan analysis, interpreting results, editing.

152. Hamra, G., **MacLehose, R. F.**, & Cole, S. R. (2013). Sensitivity analyses for sparse-data problems - Using weakly informative Bayesian priors. *Epidemiology, 24*(2), 233-239.
Role: Senior author, mentoring student through analysis and paper, framing research question, interpretation, editing.

153. Loth, K., **MacLehose, R. F.**, Fulkerson, J., Crow, R. S., & Neumark-Sztainer, D. R. (2013). Eat this, not that! Parental demographic correlates of food-related parenting practices. *Appetite, 60*(1), 140-147.
Role: Senior methodologist in support of student, framing research question, interpretation, editing.

154. Hamra, G., Richardson, D., **MacLehose, R. F.**, & Wing, S. (2013). Integrating informative priors from experimental research with bayesian methods: An example from radiation epidemiology. *Epidemiology, 24*(1), 90-95.
Role: Assisted with analysis and methods, mentored student, interpretation

155. Shimotsu, S. T., Jones-Webb, R. J., Nelson, T. F., **MacLehose, R. F.**, Trenkner, Forster, J., & Van Riper, D. (2012). Food and alcohol access in neighborhoods of varying socioeconomic status. *Journal of Alcohol and Drug Education, 56*(3), 77-92.
Role: Mentoring student through analysis and paper, interpretation, editing.

156. Nguyen, R. H., Ecklund, A. M., **MacLehose, R. F.**, Veasley, C., & Harlow, B. L. (2012). Co-morbid pain conditions and feelings of invalidation and isolation among women with vulvodynia. *Psychology, Health and Medicine, 17*(5), 589-598.
Role: Assisted with analysis and methods, interpretation

157. Bruening, M., Eisenberg, M., **MacLehose, R. F.**, Nanney, M. S., Story, M. T., & Neumark-Sztainer, D. R. (2012). Relationship between adolescents' and their friends' eating behaviors: Breakfast, fruit, vegetable, whole-grain, and dairy intake. *Journal of the Academy of Nutrition and Dietetics, 112*(10), 1608-1613.
Role: Senior methodologist in support of student, framing research question, interpretation, editing.

158. Johnson, G., **MacLehose, R. F.**, Baird, D. D., Laughlin-Tommaso, S. K., & Hartmann, K. E. (2012). Uterine leiomyomata and fecundability in the Right from the Start study. *Human Reproduction, 27*(10), 2991-2997.
Role: Senior author, developed idea, mentored student, assisted with analysis and methods, interpretation and conceptualization.

159. Shimotsu, S. T., Jones-Webb, R. J., Lytle, L., **MacLehose, R. F.**, Nelson, T. F., & Forster, J. (2012). The relationships among socioeconomic status, fruit and vegetable intake, and alcohol consumption. *American Journal of Health Promotion, 27*(1), 21-28.
Role: Assisted with analysis and methods, mentored student, interpretation.

160. Berge, J. M., **MacLehose, R. F.**, Loth, K., Eisenberg, M., Fulkerson, & Neumark-Sztainer, D. R. (2012). Family meals. Associations with weight and eating behaviors among mothers and fathers. *Appetite, 58*(3), 1128-1135.
Role: Analysis of data and methods, interpretation.

161. Lopez, F. L., Huxley, R. R., Konety, S., Alonso, A., Agarwal, S. K., **MacLehose, R. F.**, . . . Ballantyne, C. M. (2012). Response to letter from Watanabe and Aizawa regarding article, "Blood lipid levels, lipid-lowering medications, and the incidence of atrial fibrillation: The atherosclerosis risk in communities (ARIC) study," by Lopez et al. *Circulation: Arrhythmia and Electrophysiology, 5*(3), e81.
Role: Assisted with analysis and methods, interpretation.

162. Berge, J. M., **MacLehose, R. F.**, Eisenberg, M., Laska, M. N., & Neumark-Sztainer, D. R. (2012). How significant is the 'significant other'? Associations between significant others' health behaviors and attitudes and young adults' health outcomes. *International Journal of Behavioral Nutrition and Physical Activity, International Journal of Behavioral Nutrition and Physical Activity, 9*.
Role: Analysis of data and methods, interpretation.

163. Nguyen, R. H., **MacLehose, R. F.**, Veasley, C., Turner, R. M., Harlow, B. L., & Horvath, K. J. (2012). Comfort in discussing vulvar pain in social relationships among women with vulvodynia. *The Journal of Reproductive Medicine, 57*(3-4), 109-114.
Role: Assisted with analysis and methods, interpretation.

164. Bruening, M., **MacLehose, R. F.**, Loth, K., Story, M. T., & Neumark-Sztainer, D. R. (2012). Feeding a family in a recession: Food insecurity among Minnesota parents. *American Journal of Public Health, 102*(3), 520-526.
Role: Mentored student, assisted with analysis and methods, interpretation and conceptualization.

165. Magnani, J. W., Lopez, F. L., Soliman, E. Z., **MacLehose, R. F.**, Crow, R. S., & Alonso, A. (2012). P wave indices, obesity, and the metabolic syndrome: The Atherosclerosis Risk in Communities study. *Obesity, 20*(3), 666-672.
Role: Analysis, interpretation, and conceptualization.

166. Motsinger, S., Lazovich, D., **MacLehose, R. F.**, Torkelson, C. J., & Robien, K. (2012). Vitamin D intake and mental health-related quality of life in older women: The Iowa

Women's Health Study. *Maturitas, 71*(3), 267-273.
Role: Assisted with analysis and methods, interpretation.

167. Linde, J. A., Nygaard, K. E., **MacLehose, R. F.**, Mitchell, N. R., Harnack, L. J., Cousins, J. M., . . . Jeffery, R. W. (2012). HealthWorks: Results of a multi-component group-randomized worksite environmental intervention trial for weight gain prevention. *International Journal of Behavioral Nutrition and Physical Activity, 9*.
Role: Assisted with analysis and methods, interpretation.

168. Lopez, F. L., Agarwal, S. K., **MacLehose, R. F.**, Soliman, E. Z., Sharrett, A. R., Huxley, R. R., . . . Alonso, A. (2012). Blood lipid levels, lipid-lowering medications, and the incidence of atrial fibrillation: The Atherosclerosis Risk in Communities study. *Circulation: Arrhythmia and Electrophysiology, 5*(1), 155-162.
Role: Assisted with analysis and methods, interpretation.

169. **MacLehose, R. F.**, & Kaufman, J. S. (2012). Commentary: The wizard of odds. *Epidemiology, 23*(1), 10-12.
Role: Conceived of idea, wrote paper, analyzed data

170. **MacLehose, R. F.**, & Gustafson, P. (2012). Is probabilistic bias analysis approximately bayesian? *Epidemiology, 23*(1), 151-158.
Role: Conceived of idea, wrote paper, analyzed data

171. Khandker, M., Brady, S. S., Vitonis, A. F., **MacLehose, R. F.**, Stewart, E. G., & Harlow, B. L. (2011). The influence of depression and anxiety on risk of adult onset vulvodynia. *Journal of Women's Health, 20*(10), 1445-1451.
Role: Assisted with analysis and methods, interpretation

172. **MacLehose, R. F.**, Oakes, M., & Carlin, B. P. (2011). Erratum: Turning the Bayesian crank (Epidemiology (2011) 22 (365-367)). *Epidemiology, 22*(4), 614-.
Role: Writing manuscript, conceptualization.

173. **MacLehose, R. F.**, Oakes, M., & Carlin, B. P. (2011). Turning the Bayesian crank. *Epidemiology, 22*(3), 365-367.
Role: Writing manuscript, conceptualization.

174. Huxley, R. R., Lopez, F. L., Folsom, A. R., Agarwal, S. K., Loehr, L. R., Soliman, E. Z., . . .**MacLehose, R. F.**, … Alonso, A. (2011). Absolute and attributable risks of atrial fibrillation in relation to optimal and borderline risk factors: The Atherosclerosis Risk in Communities (ARIC) study. *Circulation, 123*(14), 1501-1508.
Role: Analysis, interpretation.

175. Richardson, D., **MacLehose, R. F.**, Langholz, B., & Cole, S. R. (2011). Practice of epidemiology: Hierarchical latency models for dose-time-response associations. *American Journal of Epidemiology, 173*(6), 695-702.
Role: Conceptualization, writing manuscript.

176. Kaufman, J. S., **MacLehose, R. F.**, Torrone, E. A., & Savitz, D. A. (2011). A flexible Bayesian hierarchical model of preterm birth risk among US Hispanic subgroups in relation to maternal nativity and education. *BMC Medical Research Methodology, 11*.
Role: Analysis, interpretation, conceptualization.

177. Li, J., **MacLehose, R. F.**, Smith, K. E., Kaehler, D., & Hedberg, C. W. (2011). Development of a Salmonella screening tool for consumer complaint-based foodborne illness surveillance systems. *Journal of Food Protection, 74*(1), 106-110.
Role: Senior methodologist in support of student, conceptualization, mentoring student.

178. **MacLehose, R. F.**, & Dunson, D. B. (2010). Bayesian semiparametric multiple shrinkage. *Biometrics, 66*(2), 455-462.
Role: Writing manuscript, analysis, conceptualization.

179. Kaufman, S., Kaufman, J. S., & **MacLehose, R. F.** (2009). Analytic bounds on causal risk differences in directed acyclic graphs involving three observed binary variables. *Journal of Statistical Planning and Inference, 139*(10), 3473-3487.
Role: Analysis, conceptualization.

180. Harlow, B. L., Vazquez, G., **MacLehose, R. F.**, Erickson, D. J., Oakes, M., & Duval, S. (2009). Self-reported vulvar pain characteristics and their association with clinically confirmed vestibulodynia. *Journal of Women's Health, 18*(9), 1333-1339.
Role: Analysis, conceptualization.

181. **MacLehose, R. F.**, & Dunson, D. B. (2009). Nonparametric Bayes kernel-based priors for functional data analysis. *Statistica Sinica, 19*(2), 611-629.
Role: Writing manuscript, analysis, conceptualization.

182. **MacLehose, R. F.**, Olshan, A. F., Herring, A. H., Honein, M. A., Shaw, G. M., & Romitti, P. A. (2009). Bayesian methods for correcting misclassification: An example from birth defects epidemiology. *Epidemiology, 20*(1), 27-35.
Role: Writing manuscript, analysis, conceptualization.

183. **MacLehose, R. F.**, Savitz, D. A., Herring, A. H., Hartmann, K. E., Singer, P. C., & Weinberg, H. S. (2008). Drinking water disinfection by-products and time to pregnancy. *Epidemiology, 19*(3), 451-458.
Role: Writing manuscript, analysis, conceptualization.

184. Phillips, C. V., **MacLehose, R. F.**, & Kaufman, J. S. (2008). (Errors in statistical tests)[3]. *Emerging Themes in Epidemiology, 5*, 9.
Role: Analysis, writing manuscript.

185. Vinikoor, L. C., Kaufman, J. S., **MacLehose, R. F.**, & Laraia, B. A. (2008). Effects of racial density and income incongruity on pregnancy outcomes in less segregated communities. *Social Science and Medicine, 66*(2), 255-259.
Role: Analysis, editing manuscript.

186. **MacLehose, R. F.**, Dunson, D. B., Herring, A. H., & Hoppin, J. A. (2007). Bayesian methods for highly correlated exposure data. *Epidemiology, 18*(2), 199-207.
Role: Writing manuscript, analysis, conceptualization.

187. Gesink Law, D. C., **MacLehose, R. F.**, & Longnecker, M. P. (2007). Obesity and time to pregnancy. *Human Reproduction, 22*(2), 414-420.
Role: Analysis, interpretation of results.

188. **MacLehose, R. F.**, Kaufman, S., Kaufman, J. S., & Poole, C. (2005). Bounding causal effects under uncontrolled confounding using counterfactuals. *Epidemiology, 16*(4), 548-555.
Role: Writing manuscript, conceptualization, analysis.

189. Kaufman, S., Kaufman, J. S., **MacLehose, R. F.**, Greenland, S., & Poole, C. (2005). Improved estimation of controlled direct effects in the presence of unmeasured confounding of intermediate variables. *Statistics in Medicine, 24*(11), 1683-1702.
Role: Analysis, writing manuscript, conceptualization.

190. Kaufman, J. S., **MacLehose, R. F.**, & Kaufman, S. (2004). A further critique of the analytic strategy of adjusting for covariates to identify biologic mediation. *Epidemiologic

Perspectives and Innovations, 1(1), 4.
Role: Analysis, conceptualization, writing manuscript.

191. Baldwin, L.-M., **MacLehose, R. F.**, Hart, L. G., Beaver, S. K., Every, N., & Chan, L. (2004). Quality of care for acute myocardial infarction in rural urban US hospitals. *Journal of Rural Health, 20*(2), 99-108.
Role: Analysis, editing manuscript.

192. Jha, A., Patrick, D. L., **MacLehose, R. F.**, Doctor, J. N., & Chan, L. (2002). Dissatisfaction with medical services among medicare beneficiaries with disabilities. *Archives of Physical Medicine and Rehabilitation, 83*(10), 1335-1341.
Role: Editing manuscript, assisting student (A. Jha) with analysis.

193. Chan, L., Beaver, S. K., **MacLehose, R. F.**, Jha, A., Maciejewski, M., & Doctor, J. N. (2002). Disability and health care costs in the Medicare population. *Archives of Physical Medicine and Rehabilitation, 83*(9), 1196-1201.
Role: Analysis, editing manuscript.

194. Chan, L., **MacLehose, R. F.**, & Houck, P. M. (2002). Impact of physician reminders on the use of influenza vaccinations: A randomized trial. *Archives of Physical Medicine and Rehabilitation, 83*(3), 371-375.
Role: Analysis, editing manuscript.

195. Chan, L., Doctor, J. N., Temkin, N., **MacLehose, R. F.**, Esselman, P., Bell, K., & Dikmen, S. (2001). Discharge disposition from acute care after traumatic brain injury: The effect of insurance type. *Archives of Physical Medicine and Rehabilitation, 82*(9), 1151-1154.
Role: Analysis, editing manuscript.

196. Houck, P. M., **MacLehose, R. F.**, Niederman, M., & Lowery, J. K. (2001). Empiric antibiotic therapy and mortality among medicare pneumonia inpatients in 10 western states: 1993, 1995, and 1997. *Chest, 119*(5), 1420-1426.
Role: Analysis, editing manuscript.

197. Chan, L., Houck, P. M., Prela, C. M., & **MacLehose, R. F.** (2001). Using Medicare databases for outcomes research in rehabilitation medicine. *American Journal of Physical Medicine and Rehabilitation, 80*(6), 474-480.
Role: Conceptualization, editing manuscript.

198. Gan, S. C., Beaver, S. K., Houck, P. M., **MacLehose, R. F.**, Lawson, H., & Chan, L. (2000). Treatment of acute myocardial infarction and 30-day mortality among women and men. *New England Journal of Medicine, 343*(1), 8-15.
Role: Some analysis, conceptualization.

199. Taplin, S. H., Barlow, W. E., Ludman, E., **MacLehose, R.**, Meyer, D. M., Seger, D., . . . Curry, S. (2000). Testing reminder and motivational telephone calls to increase screening mammography: A randomized study. *Journal of the National Cancer Institute, 92*(3), 233-42. doi: 10.1093/jnci/92.3.233
Role: Analysis, writing manuscript.

200. Doctor, J. N., Chan, L., **MacLehose, R. F.**, & Patrick, D. L. (2000). Weighted health status in the Medicare population: Development of the Weighted Health Index for the Medicare Current Beneficiary Survey (WHIMCBS). *Journal of Outcome Measurement, 4*(4), 721-739.
Role: Analysis editing manuscript, conceptualization.

201. **MacLehose, R. F.**, Harpster, A., Lanier, A. P., Schiff, M. A., Koehler, K., Murphy, N., &

Becker, T. M. (1999). Risk factors for cervical intraepithelial neoplasm in Alaska Native women: A pilot study. *Alaska Medicine, 41*(4), 76-85.
Role: Writing manuscript, conceptualization, analysis.

202. Chan, L., Doctor, J. N., **MacLehose, R. F.**, Lawson, H., Rosenblatt, R. A., Baldwin, L.-M., & Jha, A. (1999). Do Medicare patients with disabilities receive preventive services? A population-based study. *Archives of Physical Medicine and Rehabilitation, 80*(6), 642-646.
Role: Analysis, writing manuscript.

Books

Fox, M. P., **MacLehose, R. F.**, Lash, T. L. *Applying Quantitative Bias Analysis to Epidemiologic Data*. Springer. Fall 2021.

Non-Peer-Reviewed Journal Article

Savitz, D. A., Singer, P. C., Hartmann, K. E., Herring, A. H., Weinberg, H. S., Makarushka, C., . . . **MacLehose, R. F.** (2005). Drinking water disinfection by-products and pregnancy outcome. *AWWA Research Foundation*. [Non-Refereed]
Role: Analysis.

MacLehose, R. F. (2000). A program for graphing point estimates and confidence intervals. *Stata Technical Bulletin, 56*. [Non-Refereed]
Role: Wrote article and program.

Letters

Alonso, A., **MacLehose, R. F.**, Chen, L. Y., Bengtson, L. G., Chamberlain, A. M., Norby, F. L., & Lutsey, P. L. (2018). *Oral anticoagulants and liver injury: The threat of uncontrolled confounding.* 1st ed., vol. 104, 84. Heart. PubMed Central ID Number: PMC6192737 doi: 10.1136/heartjnl-2017-311916
Role: Edited.

Alonso, A., Lutsey, P. L., Chen, L. Y., **MacLehose, R. F.**, & Bengtson, L. G. (2017). *Questions in the comparative effectiveness of dabigatran and warfarin in atrial fibrillation.* 1st ed., vol. 70, 99-100. Journal of Cardiology. PubMed Central ID Number: PMC5550293 doi: 10.1016/j.jjcc.2017.02.003
Role: Edited.

Kaufman, J. S., **MacLehose, R. F.**, Kaufman, S., & Greenland, S. (2005). The mediation proportion. *Epidemiology, 16*(5), 710.
Role: Edited

Presentations, Posters, and Exhibits
<u>Underline</u> - indicates student presenter

Presentation/Talk

MacLehose, R.R. "On teaching advanced epidemiologic methods," symposium speaker. Society for Epidemiologic Research, Chicago 2022.

MacLehose, R. F. "On the importance of making assumptions in bias analyses," Society for Epidemiologic Research, Virtual due to COVID-19. (2021).

<u>Goldsmith, L.</u>, **MacLehose, R. F.** "Opioid overdose-related mortality and U.S. death certificate data: A quantitative bias analysis with expert elicitation of bias parameters," Society for

Epidemiologic Research, Virtual due to COVID-19. (2020).

MacLehose, R. F. "Get off my lawn: A manifesto," Division of Epidemiology and Community Health Seminar, Minneapolis, Minnesota, United States. (2019).

MacLehose, R. F. "An introduction to quantitative bias analysis," Portland State University/Oregon Health Sciences University hosted as part of SER talks. (2018). *Invited.*

MacLehose, R. F. "The why, what, when, and how of Bayesian Analysis," Society for Epidemiologic Research, Baltimore, Maryland, United States. (2018).

Roetker, N., **MacLehose, R. F.** "Body Height and Risk of Venous Thromboembolism: Mendelian Randomization Analysis," Chronic Disease Research Group Minneapolis Medical Research Foundation, Minneapolis, Minnesota, United States. (2017).

MacLehose, R. F. "Debate 2: "Natural effects" are natural and meaningful," Society for Epidemiologic Research, Miami, Florida, United States. (2016). *Invited.*
> Note: Declined due to death in the family

Muller, C., **MacLehose, R. F.** "Heart rate variability and incident stroke: Approximate Bayesian analysis in the Atherosclerosis Risk in Communities Study," Society for Epidemiologic Research, Denver, Colorado, United States. (2015).
> Note: Declined to attend for personal reasons

MacLehose, R. F. "Hierarchical semi-Bayes methods for misclassification of maternal pre-pregnancy BMI," Society for Epidemiologic Research, Denver, Colorado, United States. (2015). *Invited.*

Meyer, C., **MacLehose, R. F.** "Using boosted regression trees in epidemiologic modeling: An example predicting incident cataracts among medical radiologic technologies," Society for Epidemiologic Research, Seattle, Washington, United States. (2014).

MacLehose, R. F. "Selection bias in observational research," Division of Environmental Health Seminar University of Minnesota, Minneapolis, Minnesota, United States. (2013). *Invited.*

MacLehose, R. F. "Direct effects, indirect effects and mediation," University of Minnesota, Minneapolis, Minnesota, United States. (2012). *Invited.*

MacLehose, R. F. "Bayesian inverse probability weighted models," Society for Epidemiologic Research, Minneapolis, Minnesota, United States. (2012). *Invited.*

MacLehose, R. F. "Is probabilistic bias analysis approximately Bayesian?," Causal Inference in Health Research University of Montreal, Montreal, Canada. (2011). *Invited.*

MacLehose, R. F. "Bayesian methods for epidemiologic data analysis," University of North Carolina, Chapel Hill, North Carolina, United States. (2010). *Invited.*

MacLehose, R. F. "Is probabilistic bias analysis approximately Bayesian?," McGill University, Quebec, Canada. (2010). *Invited.*

MacLehose, R. F. "Bayesian analysis in epidemiology," Epidemiologic Student Caucus Symposium at the Society for Epidemiologic Research, Anaheim, California, United States. (2009). *Invited.*

MacLehose, R. F. "Bayesian hierarchical modeling of dose-response curves," Society for Epidemiologic Research, Anaheim, California, United States. (2009). *Invited.*

MacLehose, R. F. "Bayesian hierarchical estimation of dose-response curves," American Public Health Association, San Diego, California, United States. (2008). *Invited.*

MacLehose, R. F. "Bayesian adjustments for misclassification of maternal smoking," Centers for Disease Control and Prevention, Atlanta, Georgia, United States. (2008). *Invited*.

MacLehose, R. F. "Kernel mixtures of Gaussian processes," Department of Biostatistics Vanderbilt University, Nashville, Tennessee, United States. (2008). *Invited*.

MacLehose, R. F. "Kernel mixtures of Gaussian processes," Department of Biostatistics Emory University, Atlanta, Georgia, United States. (2008). *Invited*.

MacLehose, R. F. "Kernel mixtures of Gaussian processes," University of Minnesota, Minneapolis, Minnesota, United States. (2008). *Invited*.

MacLehose, R. F. "Bayesian methods for highly correlated data," National Institute of Environmental Health Sciences. (2007). *Invited*.

MacLehose, R. F. "Bayesian parametric and semi-parametric hierarchical models," Vanderbilt University, Nashville, Tennessee, United States. (2007). *Invited*.

MacLehose, R. F. "Bayesian methods for highly correlated data," Eastern North American Region (ENAR), Atlanta, Georgia, United States. (2007). *Invited*.

MacLehose, R. F. "Bayesian semi-parametric multiple shrinkage priors," Joint Statistical Meetings, Salt Lake City, Utah, United States. (2007). *Invited*.

MacLehose, R. F. "Disinfection byproducts and spontaneous abortion: A Bayesian correction for errors in measurement of time to loss," Society for Epidemiologic Research, Toronto, Canada. (2005).

TEACHING

Scheduled Teaching
Independent Study: EPI: PUBH 7391: Fall 2013, Spring 2017, Spring 2020
Culminating Experience: Epi: PUBH 7394: Spring 2013, Summer 2016
Integrative Learning Exp: EPI: PUBH 7394: Fall 2019
Master's Project: Epidemiology: PUBH 7394: Spring 2011, Spring 2012
Field Experience: Epidemiology: PUBH 7396: Spring 2011, Summer 2012, Spring 2014, Spring 2015, Fall 2015, Spring 2016, Summer 2016, Spring 2018, Summer 2018
Biostatistical Inference: PUBH 7401: Fall 2009, Fall 2010, Fall 2011, Fall 2012
Master's Project: Biostat: PUBH 7494: Fall 2009, Spring 2010
Doc Sem in Observational Infer: PUBH 8141: Spring 2010
Topics: Epidemiology: PUBH 8300: Fall 2012, Spring 2013
Adv. Epi Methods: Concepts: PUBH 8341: Fall 2016, Fall 2017, Fall 2018, Fall 2019, Fall 2020, Fall 2021, Fall 2022, Fall 2023
Adv Epi Methods: Applications: PUBH 8342: Spring 2014, Spring 2015, Spring 2016
Synth & App of Mthds Epi Rsrch: PUBH 8343: Fall 2014, Fall 2015, Fall 2016, Fall 2017, Fall 2018, Fall 2019, Fall 2021, Fall 2023
Advanced Epidemiological Wkshp: PUBH 8344: Fall 2017, Fall 2018, Fall 2019, Fall 2020

CURRICULUM DEVELOPMENT ACTIVITIES

Curriculum Development Activities

University of Minnesota

PubH 8344 Advanced Epidemiologic Methods: Workshop   2016
Developed to give students more detail on applying the concepts taught in
PubH 8341 and introduce them to statistical software (R or Stata).
Developed Fall 2016, 1 credit

PubH 8343 Synthesis and Application of Methods in Epidemiologic   2013
Research
Developeded with Dr. Michael Oakes as the culminating class in the
methodology sequence for epidemiology PhD students. The class introduces
novel statistical methods (marginal structural models, Bayesian inference,
quantitative bias analysis) in the context of applied epidemiologic research.
Developed Spring 2013, 3 credits

ADVISING AND MENTORING

Graduate Student Activities

Advisees	*Year Graduated*
Tenzin Yangchen, Epidemiology PhD	Current
Morrison Smith, Epidemiology PhD (co-advised with Jesse Berman)	2022
Tyler Richter, Epidemiology PhD	Current
Sarah Lammert, Epidemiology PhD (co-advised with Keith Horvath)	2023
Elizabeth Goldsmith, Epidemiology PhD	2022
Melvin Donaldson, Epidemiology PhD (co-advised with Erin Krebbs)	2018
Nicholas Roetker, Epidemiology PhD	2017
Craig Meyer, Epidemiology PhD	2016
Clemma Muller, Epidemiology PhD	2015
Katherine Giorgio, Epidemiology MPH	2022
Dhamina Karim, Epidemiology MPH	2022
Tyler Richter, Epidemiology MPH	2021
Elizabeth Palmi, Epidemiology MPH	2021
Jenna Leonhard, Epidemiology MPH	2020
Elizabeth Albers, Epidemiology MPH	2020
Lisbet Finseth, Epidemiology MPH	2019
Rachel Holstein, Epidemiology MPH	2019
Paxton Huberty, Epidemiology MPH	2019
Xiaoying Tang, Epidemiology MPH	2018
Amy Wang, Epidemiology MPH	2016
Fang-Di Yang, Epidemiology MPH	2016
Allison Schlak, Epidemiology MPH	2016
Kara Marlatt, Epidemiology MPH	2015
Deidre Kiefer, Epidemiology MPH	2013
Sarah Motsinger, Epidemiology MPH	2011
Jonah Popp, Biostatistics MS	2012
Brett Peterson, Biostatistics MS	2012
Kristopher Kapphahn, Biostatistics MS	2012

Committee Advising

Doctoral Final Committee: Committee Chair

Samuel Rowe, Veterinary Medicine PhD   2020
Thesis: Evaluation of Selective Dry Cow Therapy for Controlling Mastitis and Improving Antibiotic Stewardship in U.S. Dairy Herds

Gabriela Bustamante Callejas, Environmental Health PhD   2019
Thesis: Occupational Radiation, Neighborhoods and Circulatory Disease Incidence and Mortality

Amber Fyfe-Johnson, Epidemiology PhD   2017
Thesis: Excess Adiposity in Youth: Subclinical Cardiovascular Disease and Future Implications

Bozena Morawski, Epidemiology PhD   2017
Thesis: Human Immunodeficiency Virus and Soil Transmitted Helminths: Measuring the Systemic Effects of Co-Infection in a Low-Resource Context

Doctoral Final Committee: Committee Member

Lama Ghazi, Epidemiology PhD   2020
Thesis: Chronic Kidney Disease: Evaluating Area Level Socioeconomic Characteristics, Individual Characteristics, and Patterns of Care by Census Tract in the Twin Cities Metro Area

Melvin Donaldson, Epidemiology PhD   2018
Thesis: Yoga for Chronic Pain in Veterans: A Mixed Methods Study

Jeremy Labreque, PhD   2018
Thesis: Conditional Cash Transfers and Child Health
     McGill University

Nicholas Roetker, Epidemiology PhD   2017
Thesis: Venous Thromboembolism: Assessing Novel Risk Factors and Treatments

Jennifer Pelletier, Epidemiology PhD   2016
Thesis: Collaborative Partnerships for Childhood Obesity Prevention: Trends and Correlates Nationally and a Case Study in Minnesota

Craig Meyer, Epidemiology PhD   2016
Thesis: Incident Cataracts Following Protracted Low-dose Occupational Ionizing Radiation Exposures in United States Medical Radiologic Technologists: Statistical Methods for Exploring Heterogeneity of Effects and Improving Causal Inference

Clemma Muller, Epidemiology PhD   2015
Thesis: Stroke Disparities and Selection Bias in an American Indian Cohort: The Strong Heart and Strong Heart Stroke Studies.

Noel Mueller, Epidemiology PhD   2013
Thesis: Early Puberty: Adulthood Metabolic Consequences and Childhood Nutritional Determinants.

Katie Loth, Epidemiology PhD   2013
Thesis: Associations Between Food-related Parenting Practices and Adolescent Weight Status and Disordered Eating Behaviors: Findings from a Population-based Study.

Meredith Bruening, Nutrition PhD   2012

Thesis: The Role of Friends in Adolescent Weight Status and
Eating Behaviors.

Ghassan Hamra, PhD   2011
Thesis: Bayesian Inference in Occupational Epidemiology
     University of North Carolina

Brian Lee, Epidemiology PhD   2010
Thesis: A Social Epidemiological Analysis of Alcohol-Related
Automobile Traffic Deaths.

John Li, Epidemiology PhD   2010
Thesis: Foodborne Disease Surveillance: Evaluation of a
Consumer Driven Complaint System and Development of
Methods for Screening of Pathogens and Cluster Detection.

Doctoral Final Committee: Committee Reviewer

Lianne Siegel, Biostatistics PhD   2021
Thesis: Bayesian Hierarchical Models for Meta-Analysis

Ross Peterson, Biostatistics PhD   2020
Thesis: Novel Methods for the Design, Monitoring, and Analysis
of Clinical Trials

Zhenxun Wang, Biostatistics PhD   2020
Thesis: Statistical Methods for Arm-based Bayesian Network
Meta-Analysis

Julia Przedworski, Hlth Srv Rsrch/Policy/Adm PhD   2019
Thesis: Medical Socialization & Its Discontents:
Heteronormativity in US Medical Schools & Its Impact on
Student Psychological Distress

Jincheng Zhou, Biostatistics PhD   2019
Thesis: Bayesian Causal Inference in Meta-Analysis

Evan Sorley, Environmental Health PhD   2019

Laura Scott, Environmental Health PhD   2018
Thesis: Application of Probabilistic Bias-Analysis Methods to
Historical Cohort Mortality Studies

Rony Arauz, Environmental Health PhD   2018
Thesis: Airborne Particulates Exposure Assessments and
Potential Impact on Inflammatory Markers and Health Outcomes
in Taconite Workers in Minnesota

Qinshu Lian, Biostatistics PhD   2018
Thesis: Statistical Methods for Multivariate Meta-analysis

Yuan Shao, Environmental Health PhD   2018
Thesis: Respiratory Diseases and Exposures to Taconite Dust
Components

Noelle Gronroos, Epidemiology PhD   2017
Thesis: Intake of Omega-3 Polyunsaturated Fatty Acids and
Associations with Cardiometabolic Risk Factors

Fernando Alarid Escudero, Hlth Srv Rsrch/Policy/Adm PhD   2017
Thesis: Statistical and Mathematical Modeling to Evaluate the
Cost-effectiveness of Helicobacter Pylori Screening and Treating
Strategies in Mexico in the Setting of Antibiotic Resistance

Eric Jutkowitz, Hlth Srv Rsrch/Policy/Adm PhD   2017
Thesis: The Societal and Family Lifetime Cost of Dementia

Nnaemeka Odo, Environmental Health PhD   2016

Thesis: Occupational Health Assessment of Crystalline Silica and Respirable Dust Exposure in Taconite Mine Workers in Northeastern Minnesota.

Erika Fuchs, Epidemiology PhD	2015

Thesis: Examining the Variation in Child Vaccination Status by Maternal Vaccination and Birthing Place.

Xiaoye Ma, Biostatistics PhD	2015

Thesis: Statistical Methods for Multivariate Meta-analysis of Diagnostic Tests

Angela Vasquez, Nutrition PhD	2014

Thesis: A Novel Dietary Improvement Strategy: Examining the Potential Impact of Community Supported Agriculture Membership.

Elizabeth Allen, Environmental Health PhD	2014

Thesis: Occupational Exposures and Health Outcomes among Minnesota Taconite Mining Workers.

Christine Lambert, Environmental Health PhD	2013

Thesis: Occupational Exposures and the Development of Lung Disease in Minnesota Miners.

Jooyeon Hwang, Environmental Health PhD	2013

Thesis: Assessing Present-day and Historical Exposures of Workers to Taconite Dust in the Iron Mining Industry in Northeastern Minnesota

Benjamin al-Haddad, Epidemiology PhD	2013

Thesis: Mapping Cancer Surveillance in Nigeria.

Kelsey McDonald, Epidemiology PhD	2013

Thesis: Social Epidemiology and Spatial Epidemiology: An Empirical Comparison of Perspectives.

Ahmed Soliman, Social/Admin Pharm PhD	2013

Thesis: Medication Therapy Management (MTM): A Tool for Optimizing Clinical and Economic Outcomes in the Management of Chronic Diseases

Katherine Schofield, Environmental Health PhD	2012

Thesis: Risk Factors for Injuries in Small and Medium Sized Construction Companies.

Scott Shimotsu, Epidemiology PhD	2011

Thesis: Neighborhood and Individual Characteristics and Excessive Drinking.

Doctoral Preliminary Committee: Committee Chair

Elizabeth Goldsmith, Epidemiology PhD	Current
Samuel Rowe, Veterinary Medicine PhD	2020

Thesis: Evaluation of Selective Dry Cow Therapy for Controlling Mastitis and Improving Antibiotic Stewardship in U.S. Dairy Herds

Nicholas Roetker, Epidemiology PhD	2017

Thesis: Venous Thromboembolism: Assessing Novel Risk Factors and Treatments

Craig Meyer, Epidemiology PhD	2016

Thesis: Incident Cataracts Following Protracted Low-dose Occupational Ionizing Radiation Exposures in United States

Medical Radiologic Technologists: Statistical Methods for
Exploring Heterogeneity of Effects and Improving Causal
Inference

Clemma Muller, Epidemiology PhD   2015
Thesis: Stroke Disparities and Selection Bias in an American
Indian Cohort: The Strong Heart and Strong Heart Stroke Studies.

Doctoral Preliminary Committee: Committee Member

Mengli Xiao, Biostatistics PhD   2023
Nedghie Adrian, PhD   2023
Pharmacueticals and Birth Outcomes
    Boston University
Lianne Siegel, Biostatistics PhD   2021
Thesis: Bayesian Hierarchical Models for Meta-Analysis
Ross Peterson, Biostatistics PhD   2020
Thesis: Novel Methods for the Design, Monitoring, and Analysis
of Clinical Trials
Zhenxun Wang, Biostatistics PhD   2020
Thesis: Statistical Methods for Arm-based Bayesian Network
Meta-Analysis
Lama Ghazi, Epidemiology PhD   2020
Thesis: Chronic Kidney Disease: Evaluating Area Level
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Patterns of Care by Census Tract in the Twin Cities Metro Area
Gabriela Bustamante Callejas, Environmental Health PhD   2019
Thesis: Occupational Radiation, Neighborhoods and Circulatory
Disease Incidence and Mortality
Jincheng Zhou, Biostatistics PhD   2019
Thesis: Bayesian Causal Inference in Meta-Analysis
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Julia Przedworski, Hlth Srv Rsrch/Policy/Adm PhD   2019
Thesis: Medical Socialization & Its Discontents:
Heteronormativity in US Medical Schools & Its Impact on
Student Psychological Distress
Laura Scott, Environmental Health PhD   2018
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Historical Cohort Mortality Studies
Rony Arauz, Environmental Health PhD   2018
Thesis: Airborne Particulates Exposure Assessments and
Potential Impact on Inflammatory Markers and Health Outcomes
in Taconite Workers in Minnesota
Qinshu Lian, Biostatistics PhD   2018
Thesis: Statistical Methods for Multivariate Meta-analysis
Melvin Donaldson, Epidemiology PhD   2018
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Study
Yuan Shao, Environmental Health PhD   2018
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    McGill University

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Helminths: Measuring the Systemic Effects of Co-Infection in a
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Jennifer Pelletier, Epidemiology PhD   2016
Thesis: Collaborative Partnerships for Childhood Obesity
Prevention: Trends and Correlates Nationally and a Case Study in
Minnesota

Nnaemeka Odo, Environmental Health PhD   2016
Thesis: Occupational Health Assessment of Crystalline Silica and
Respirable Dust Exposure in Taconite Mine Workers in
Northeastern Minnesota.

Jason Brown, Epidemiology PhD   2016
Thesis: Cardiac Resynchronization Therapy Device-Programmed
and Device-Measured Parameters as Predictors of Outcomes in
Patients with Heart Failure

Erika Fuchs, Epidemiology PhD   2015
Thesis: Examining the Variation in Child Vaccination Status by
Maternal Vaccination and Birthing Place.

Xiaoye Ma, Biostatistics PhD   2015
Thesis: Statistical Methods for Multivariate Meta-analysis of
Diagnostic Tests

Angela Vasquez, Nutrition PhD   2014
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Potential Impact of Community Supported Agriculture
Membership.

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Thesis: Occupational Exposures and the Development of Lung
Disease in Minnesota Miners.

Noel Mueller, Epidemiology PhD   2013
Thesis: Early Puberty: Adulthood Metabolic Consequences and
Childhood Nutritional Determinants.

Benjamin al-Haddad, Epidemiology PhD   2013
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Kelsey McDonald, Epidemiology PhD   2013
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Empirical Comparison of Perspectives.

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Katie Loth, Epidemiology PhD 2013
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Meredith Bruening, Nutrition PhD 2012
Thesis: The Role of Friends in Adolescent Weight Status and Eating Behaviors.

Scott Shimotsu, Epidemiology PhD 2011
Thesis: Neighborhood and Individual Characteristics and Excessive Drinking.

Ghassan Hamra, PhD 2011
Thesis: Bayesian Inference in Occupational Epidemiology
    University of North Carolina

Brian Lee, Epidemiology PhD 2010
Thesis: A Social Epidemiological Analysis of Alcohol-Related Automobile Traffic Deaths.

John Li, Epidemiology PhD 2010
Thesis: Foodborne Disease Surveillance: Evaluation of a Consumer Driven Complaint System and Development of Methods for Screening of Pathogens and Cluster Detection.

Master's Thesis/Research Committee: Committee Chair

Tyler Richter, MPH 2021
Amy Wang, MPH 2016
Deidre Kiefer, MPH 2013
Ifrah Biyoow, MPH 2013
Kristopher Kapphahn, Biostatistics MS 2012
Meg Tabaka, MPH 2011
Nan Zhang, Biostatistics MS 2010

Master's Thesis/Research Committee: Committee Member

Tyler Richter, MPH 2021
Joe Swintek, Biostatistics MS 2020
Jingxin Lei, Biostatistics MS 2020
Rachel Holstein, MPH 2019
Paxton Huberty, MPH 2019
Meghana Bhimarao, Biostatistics MS 2019
Abby Meyer, MPH 2018
Bobbi Gass, MPH 2018
Julia Przedworski, Hlth Srv Rsrch/Policy/Adm MS 2018
Margaret Mysz, MPH 2017
Kelsie Keep, MPH 2017
Megan Hatch, MPH 2017
Fang-Di Yang, MPH 2016
Allison Schlak, MPH 2016
James Normington, Biostatistics MS 2016
Kara Marlatt, MPH 2015

Qinshu Lian, Biostatistics MS	2015
Timothy Weaver, Biostatistics MS	2014
Sarah Motsinger, MPH	2011
Meg Tabaka, MPH	2011
Jeffrey Misialek, MPH	2011
Lauren Hemsley, MPH	2010
Akweley Ablorh, Biostatistics MS	2010
Kelly McMaken, MPH	2009

POST DOC, RESIDENT, AND TRAINEE SUPERVISION/MENTORSHIP

Amit Kumar, University of Utah	2022-2023
Andrea Hermosura, University of Hawaii	2020-2021
Amber Fyfe Johnson, Washington State University	2018-2020
Heeyul Moon, University of Kentucky	2019-2020
Lindsay Collin, Emory University	2019-2020

SERVICE

Service to the Discipline/Profession/Interdisciplinary Area(s)

Ad hoc Grant Reviewer

Underground Mine Evacuation Technologies & Human Factors Research	2021
Psychosocial Risk and Disease Prevention Study Section, NIH	2013
Medical Research Council, United Kingdom	2012

Associate Editor

BMC Medical Research Methodology	2011 - 2013
Epidemiologic Perspectives and Innovations	2007 - 2012

Chair

Education Committee, Society for Epidemiologic Research	2015 - Present
Society for Epidemiologic Research Symposium	2015

Editorial Board Member

Global Epidemiology	2020 - Present
Epidemiology	2010 - Present

Reviewer

BMC Bioinformatics
Epidemiology Methods
Injury Prevention
Journal of Causal Inference
Political Analysis
Annals of Epidemiology
Environmental Health Perspectives
Pediatric and Perinatal Epidemiology
American Journal of Epidemiology
Bayesian Analysis
Biometrics
Biostatistics
Human Reproduction
Statistics in Medicine

BMC Medical Research Methodology
Epidemiologic Perspectives and Innovations
Epidemiology
Archives of Physical Medicine and Rehabilitation

Roundtable Discussion Leader

Society for Epidemiologic Research	2017
Society for Epidemiologic Research	2012

Section Editor

Current Epidemiology Reports	2018

Professional Society Membership (Current)

Society for Epidemiologic Research

Session Chair

International Biometric Society, Eastern North American Region, "Hierarchical Modeling of Large Biomedical Datasets"	2007

Symposium Chair

Society for Epidemiologic Research, "Analytic Methods for Reducing Bias in Observational Data"	2020
Society for Epidemiologic Research, "Bayes is not a Pain in the Posterior"	2018
Society for Epidemiologic Research, "Novel Methods for Causal Inference"	2015
Society for Epidemiologic Research, "Applied Causal Models"	2010
Society for Epidemiologic Research, "Teaching Epidemiologic Methods"	2010
Society for Epidemiologic Research, "Bayesian Methods in Epidemiologic Research"	2009

Service to the University/College/Department

University of Minnesota

Ad hoc Member, Academic Misconduct Committee	2019 – 2020

College

Member, Education, Policy, and Curriculum Committee	2020 – 2023
Chair, School of Public Health Faculty Consultative Committee	2017 – 2019
Member, School of Public Health Awards Committee	2016 – 2017
Member, School of Public Health Faculty Consultative Committee	2016 – 2017
Member, School of Public Health Appointment, Promotion, and Tenure Committee	2013 – 2015

Department

Member, Division Training Committee	2020 – 2023
Director, Graduate Studies	2020 – 2023
Chair, PhD Admissions Committee	2020 – 2023
Chair, PhD Curriculum Committee	2020 – 2023
Chair, PhD Credentials Committee	2020 – 2023
Member, Graduate Faculty in Biostatistics	2007 – Present
Member, Graduate Faculty in Epidemiology & Community Health	2007 - Present

Member, Part A Exam Committee	2010 - 2015
Member, Part B Committee	2008 – 2020
Chair, Part A Exam Committee	2015 – 2020
Member, PhD Curriculum Committee	2009 – 2020
Member, Faculty Executive Committee	2012 – 2015
Chair, Biostatistics Seminar Committee	2010 – 2012
Member, Ad hoc Masters Qualifying Exam Grader in Biostatistics	2007 – 2011