

University of Pittsburgh, Department of Epidemiology Recent Master's Program Graduate Essay/Thesis Titles

- Evaluating the Doula for Every Family (DFEF) Program: A Pilot Evaluation of a Community-Based Doula Support Program to Address Maternal Health Disparities in an Underserved Urban Neighborhood
- Do No Harm: An Analysis of a Syringe Service Program in Allegheny County, PA and How Its Structure Could Benefit Other Areas of Appalachia
- Analysis of Effect of Stimulant and Buprenorphine/Suboxone Co-prescriptions on Fatal Overdose Risk
- Childhood Blood Lead Levels in Allegheny County Since Implementation of Universal Screening (2018-2023): Insights and Implications
- Uncovering Inequities: The Role of Social Safety Net Services in Diabetes Outcomes for Allegheny County, PA
- Coal Mine Dust Exposure in Underground, Active Appalachian Coal Mines from 2016 to 2023: A Comparison Across Mine Sizes Based on Employment Numbers
- Identifying Risk Factors for Postpartum Depression in the District of Columbia: A Surveillance Report of Pregnancy Risk Assessment Monitoring System (PRAMS)
- Familial Clustering and Transmission of Hepatitis C Virus in Rural Suriname
- Vaccine Equity Among Indigenous Populations in the US: Addressing COVID-19 and Influenza Disparities
- Trends in Underage Alcohol Consumption at the University of Pittsburgh: Before, During, and After the COVID-19 Pandemic
- Accuracy and Affirmation: Assessing the Impact of Gender-Identity Question Wording in LGBTQ+ Youth Research
- Power Dynamics Impacting Healthcare Perceptions: Analyzing the medical drama New Amsterdam
- Migraines and Depressive Symptoms Among Midlife Women: A SWAN Study
- Cross-sectional and Longitudinal Associations between Performance Fatigability and Physical Activity in Older Adults: The Study of Muscle, Mobility, and Aging
- The Intersection of Neighborhood Disadvantage with Sex and Racialization on Alzheimer's Disease Pathology
- Aspergillus Burdens in Outdoor and Indoor Air at Hospitals Housing Patients at High Risk for Invasive Fungal Infections
- Racial Disparities in Fatal Police Encounters Involving Individuals with Serious Mental Illness in the United States: A 2023 Analysis
- Vaccine Effectiveness Against Influenza-Associated Hospitalizations in Adults with Liver Disease
- Association Between Plant-based Diet and Risk of Colorectal Cancer: Findings from the Singapore Chinese Health Study
- Optimization of Duplicate Pathogen Sequencing for Outbreak Detection
- Scoping Out Scopes: A Comparative Study of DriScope Aid Jet Stream Versus Air Drying to Prevent Healthcare-Associated Infections
- Evaluating the Impact of Ultraviolet Light Disinfection on Clostridioides difficile Infections: A Study of Prevalence, Control Strategies, and Public Health Significance
- Let's Put Breakfast Back on the Table: A Literature Review of Associations Between Breakfast Skipping and Mental Health
- The Association Between Self-Compassion and Sleep Among Midlife Women
- Successful Development and Implementation of Electronic Audit Tool to Assure Compliance with Infection Control Regulations
- Associations Between Striatal Dopaminergic Integrity and Gait Quality
- Evaluating the Reliability of Caregiver Report for the Functional Status Scale: A Pilot Study
- Evaluating Epidemiological Trends and Public Health Risks in Climate Change-Related Disasters: Leveraging a One Health Approach for Integrated Solutions

- Apical Prolapse: A Review of Treatments and Patient Outcomes
- Is Poor Sleep Health Associated with Arterial Stiffness in Midlife Women: A Narrative Review
- Animal Bite Surveillance in Allegheny County, Pennsylvania, 2023
- Investigating Relationships Between Healthcare Worker Hand Hygiene and Healthcare-Associated Infections in Pediatric Populations: An Interventional Study
- A Descriptive Population Analysis of the Incidence, Prevalence, and Case Definition Comparison of Type II Diabetes Mellitus in the U.S. Military HIV Natural History Study
- An Examination of Iron Deficiency and Iron Deficient Anemia in Reproductive Age Black Women using Data from the National Health and Nutrition Examination Survey (NHANES) 2005-2010 and 2015-2020
- Liver Cancer Disparities in the United States and Pennsylvania: A Surveillance Review
- Sublingual Microvascular Findings in Sickle Cell Disease and Correlation with Cognition: A Pilot Study
- Community Connections and Elevated Blood Lead: A Mixed-Methods Approach to Studying Perinatal Health and Environmental Justice in Pittsburgh
- FRAX® Score Distribution and Associated Risk Factors in Older Women and Men: The Study of Muscle, Mobility and Aging – Bone Ancillary
- Hepatitis C and HIV outbreak preparedness planning in Allegheny County: a health services assessment survey
- The Interaction Between Physical Activity and Alcohol Use on Mental Distress in Black Adults in Pittsburgh
- Identifying Structural Barriers to Breast Cancer Screening Within 10 Neighborhoods Noted as Having Elevated Levels of Late-Stage Breast Cancer Diagnoses in Allegheny County: A Community-Based Approach
- The Impact of Canine and Feline Companionship on Loneliness Among Adults Aged 60 Years and Older in the United States and Western Europe: A Literature Review
- Quantifying SARS-CoV-2 Infection Risks in Inpatient Psychiatric Settings: A Risk Assessment Model
- Digitizing Adolescent Health: A Comprehensive Literature Review of Digital Educational Tools for Sexual and Reproductive Health in Africa.
- New York City Neonatal Herpes Database Migration: The Data Modernization Process and Implications of 2006-2019 Neonatal Herpes Data into Maven
- Understanding the Impact of Paternal Cannabis Usage on Pre- and Post- Natal Outcomes: A Comprehensive Literature Review
- The burden of animal bites in Allegheny County, PA, 2022
- Predictors of Change in Carotid Artery Ultrasound in the Long Life Family Study
- Determinants of Experienced Health Barriers Among People Living with HIV in Southwestern Pennsylvania
- Emotional Intimate Partner Violence and Adverse Birth Outcomes: A Literature Review
- Reviewing the State of Data and Safety Monitoring Boards (DSMBs) for Randomized Clinical Trials (RCTs) Before, During, and After the COVID-19 Pandemic
- Understanding the Relationship between Sleep Duration and Blood Pressure Based on Differing Neighborhood Condition Perceptions in Black Postpartum Individuals
- SARS-CoV-2 Pre-exposure Prophylaxis – Examining Monoclonal Antibody Efficacy Among Immunocompromised Populations
- Assessment of Colorectal Cancer Screening and Surveillance Methods: A Literature Review and Pilot Data Analysis
- The Association Between Everyday Discrimination and Sense of Purpose in Life in Midlife Women
- Quantifying Demographic Disparities of Red Tide Exposure and Complications in Sarasota and Manatee Counties: A Pilot Study
- Exploring the Cross-Sectional Association between Metropolitan Residence and Preterm Birth in Black Individuals Using the National Survey of Family Growth
- Association between Meal Timing and Multidimensional Sleep Health
- Demographic Determinants of Perceived Health Risks from Pollution in the Wake of Petrochemical Industry Expansion in Beaver County, PA
- Household Lead Exposures for Children with Elevated Blood Lead Levels in Allegheny County: Geographic and Social Vulnerability Trends
- Health Outcomes for UPMC Total Joint Replacement Patients in Allegheny County After Engaging in a Tobacco Cessation Pre-Surgical Pathway
- Xylazine in the Illicit Opioid Supply: Injury, Overdose, and Trends in North America

- Behind Bars: Assessment of Hepatitis Services in Pennsylvania County Jails and a Comparative Analysis
- Mutual Benefits of Caregiver Implemented Music Interventions Among Persons with Dementia and their Caregivers: A Scoping Review
- Assessing COVID-19 Transmission Risk: Roommate and Unit Male Exposures at an Inpatient Health Facility
- Attitudes Towards Anal Cancer and Screening Among PLWH in Puerto Rico and Their Association with Educational Attainment
- Reviewing Appropriateness of *C. difficile* Testing and Ordering Practices: An Approach to Reduce Pediatric *C. difficile* Infections
- Isolated Posterior Cruciate Ligament Injury: Outcomes and Complications of Operative and Nonoperative Treatment
- Identification and Evaluation on the Barriers and Facilitators to Maternal Health in Nepal: A Review of the Literature
- Bloodstream Infection Risk in Hemodialysis Catheter Patients & Infection Prevention Strategies
- Examining the Impacts of Community Violence on Mental Health Symptomology and Prevalence Among Black Youth in America
- Falls and Social Vulnerability Index: Comparing rates for older adults in Allegheny County, PA
- Comparing Order and Fluidity of Omega-3 PUFA Membranes Using Molecular Dynamics Simulations
- Use of Electronic Health Record Data to Produce Estimates of Influenza Vaccine Effectiveness
- Enhancing Hand Hygiene and Personal Protective Equipment Compliance in Veterans Affairs Hospitals
- Telehealth and Contraceptive Accessibility among Black Women: A Literature Review
- Development and Validation of a Walkability Index from Google Street View Audits
- Conceptual and Computational Representations of Influenza Vaccine Effectiveness
- Contamination of Ring Dosimeters and Hands Among Providers Performing Invasive Procedures: A Quality Improvement Project
- Relating African Ancestry and Genetic Admixture to Health Phenotypes in the Tobago Cohort Study Population
- The Impact of Weight Stigma Among Women with High Weight on Maternal and Birth Outcomes: A Scoping Review
- The Relationship Between Tissue Fibrosis Biomarkers and Physical Function and Body Composition
- A Novel Approach to Correcting Attribution of *Clostridioides difficile* in a Healthcare Setting
- Fatigue Measurement in Occupational Populations
- West Nile Virus in Allegheny County, Pennsylvania in 2022: A Surveillance Report
- The Effect of Selective Serotonin Reuptake Inhibitors (SSRIs) on Sleep among Midlife Women with Depression: A SWAN Study
- Disparities in Lung Cancer Diagnosis During the COVID-19 Pandemic in Western Pennsylvania
- Effect of Residential Proximity and Exposure to Municipal, Industrial, and Hazardous Waste Sites on Cancer Risk: A Literature Review
- The Potential Impact of Artificial Intelligence on Health Disparities in Dermatology: A Literature Review
- The Effect of Celiac Disease on Adverse Pregnancy Outcomes: A Systematic Literature Review
- Evaluation of Groundwater Samples in Hydraulic Fracturing and Non-Fracturing Counties from 2015 to 2021 using the Pennsylvania Groundwater Quality Monitoring Network
- YoungMoms Study: Neonatal Outcomes and Maternal Characteristics Associated with Prenatal Use of Cannabis and/or Tobacco
- Meta-analysis of COPD Prevalence in Japan
- Improving Compliance to a Standardized Protocol to Reduce Head and Neck Surgical Site Infections
- The Impact of the COVID-19 Pandemic on the Opioid Epidemic in Southern West Virginia
- Testing Correlation of *Clostridioides difficile* PCR Cycle Threshold Value, Toxin Positivity, and Clinical Symptoms
- Association of Brain Injury Biomarkers in Serum with Gait Measures: The Cardiovascular Health Study
- Patterns of Drug Poisoning and Adverse Cardiovascular Event Mortality in Pennsylvania
- The Acceptance of Free-Floating Biomarker Concentration as a Validated Measurement of Sleep Deprivation Related Endothelial Function in Shift Workers: A Narrative Literature Review
- A Literature Review of Gestational Weight Restriction Among Individuals with Obesity and its Association with Neonatal Outcomes

- Improving Health Outcomes for Afghan Refugees with Tuberculosis in Allegheny County
- Symptoms of psychological distress within lung transplant recipients and its association with perceived and objective lung function
- School Connectedness and Social Support Serve as Protective Factors Against Weapon Violence and Firearm Carrying
- Genetic Associations Between GDF5 and Physical Disability Phenotypes: A PHEWAS Approach
- Clean Catch Urine Specimen and Urinary Tract Infection Rates Analysis at a Psychiatric Inpatient Hospital
- Evidence for Use of Validated Sepsis Screening Tools in the Prehospital Setting: A Systemic Search and Narrative Review
- Early-life Lead Exposure and Neurodevelopmental Disorders in Children: An Umbrella Review of Systemic Reviews
- The Impact of Stigmatization on Those with Sickle Cell Disease in the United States and West Africa: A Literature Review
- Blood Biomarkers of Pulmonary Hypertension in Sickle Cell Disease: A Cross-Sectional Proof-of-Concept Study
- The Effects of Hydraulic Fracturing on Childhood Cancer
- First Responder Harm Reduction and Overdose Prevention Training: A Review of the Literature
- The Impact of COVID-19 on Harm Reduction Services in the United States: A Scoping Review
- Animal Bite and Rabies Surveillance in Allegheny County, Pennsylvania from 2013 to 2020: Trends and Lessons Learned
- Association of Air Pollution and Neurodegeneration Biomarkers
- Relationship Between Paternal Characteristics and Spontaneous Abortion
- Associations Between Operational Characteristics and COVID-19 Outbreaks in Skilled Nursing Facilities—Allegheny County, PA, 2020
- Understanding the Association Between Ideal Cardiovascular Health Metrics (American Heart Association's Life Simple 7) and Subclinical Carotid Atherosclerosis in Midlife Women
- Chronic Inflammation and Glycemic Control: An Analysis of Type 2 Diabetes and Inflammatory Biomarkers in The Long Life Family Study
- Greater Mental Fatigability Moderates the Relationship Between Pre Frontal Cortex Activation and Gait Speed in Dual-Task Walking
- Prenatal and First Year Air Pollution Exposure and Autistic-like Behaviors in Childhood: The Cincinnati Combined Childhood Cohorts
- Hepatitis C Among Women of Reproductive Age in Allegheny County, Pennsylvania: A Vulnerability-Focused Report
- Community-Based Translation of the Diabetes Prevention Program
- Dual Roles of Fitness and Fatigability in the Life-Space Mobility of Older Adults
- COVID-19 Vaccination Rates Among Patients with Schizophrenia
- Trends of Echinocandin Resistance in *Candida Glabrata* Over an Eleven-Year Period at a University Hospital
- Scoping Review of Exercise with Complementary and Alternative Medicine Interventions for Chronic Low Back Pain
- Longitudinal Analysis of Food Insecurity by Race, Ethnicity, and Housing Status during the COVID-19 Pandemic
- Comparing Survey Data to Qualitative Themes in Patient Stories to Help Researchers Better Identify Pressing Community Healthcare Needs
- Examining the Association Between Exposure to Persistent Organic Pollutants (POPs) and Amyotrophic Lateral Sclerosis (ALS) Risk
- The Impact of the COVID-19 Pandemic on Cancer Care in Nigeria: A Qualitative Study Synthesizing Health Care Providers' Perspectives
- Repeated Cross-Sectional Analysis of Mental Distress Among Students Seeking Care at the University of Pittsburgh Counseling Center During the COVID-19 Pandemic
- Racial Differences in College Students' Knowledge, Self-Efficacy, and Use of Sexual Violence Services: A Cross-Sectional Analysis
- A Review and Evaluation of Risk Based Monitoring Procedures as Implemented in the Sickle Cell Disease and Cardiovascular Risk - Red Cell Exchange (SCD-CARRE) Trial