

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

- 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
- Addressing Viral Hepatitis and HIV Outbreaks Among Persons Who Inject Drugs in Allegheny County: A Community Response Plan Proposal
- Transmission Visualizations of Healthcare Infection Clusters: A Pilot Scoping Review
- Invasive Bacterial Infection Hospitalizations Associated with Injection Drug Use in Allegheny County, PA: 2016-2020
- Probabilistic Data Linkage: Generating a Reproductive Histories Dataset from States' Vital Records Data
- Impact of the COVID-19 Pandemic on Occupational Training Abilities: An Exploratory Study
- The Classification of COVID-19 Mortality and Evaluation of Deceased Characteristics by Identification Method in Allegheny County, Pennsylvania
- Enhanced Macrophage Cholesterol Efflux Capacity in Middle-Aged Adults with Childhood-Onset Type 1 Diabetes: A Cross-Sectional Analysis
- Baseline Predictors of Program Engagement in an Online Physical Activity Intervention
- The Impact of Food-Based Composite Dietary Antioxidant Intake and Lung Cancer Risk: Findings from the Singapore Chinese Health Study
- Mortality by Reaction Type Among Hospitalized COVID-19 Patients: An Analysis of US Electronic Medical Records
- Hospitalizations of Persons with Hepatitis B and C in Allegheny County, Pennsylvania, 2016-2019
- Effectiveness of COVID-19 vaccines against B.1.617.2 (delta) variant: A systematic review
- Effects of the COVID-19 Pandemic on the Opioid Epidemic in Allegheny County, PA: A Death Narrative Analysis
- Demographics and Mitigation Efforts Associated with the County-Level impact of COVID-19 in Pennsylvania
- Viral Hepatitis Services and Providers in Pennsylvania: A Preliminary Survey
- Impact of Social Factors on Racial Differences in Cardiac Rehabilitation Participation
- An Agent-Based Computational Model of COVID-19 Vaccine Hesitancy
- Factors Contributing to the Insufficient Understanding of How COVID-19 is intertwined with Race and Ethnicity in the United States
- Discrepancy in Prevalence in Alzheimer's Disease and Related Dementias Among African American and Hispanic Women: A Qualitative Literature Review
- An Evaluation of COVID-19 Virtual Treatment Delivery for Eating Disorders: Assessing Eating Disorder Symptoms Among Patients Across Levels of Care
- The Role of Relationship Status in Intimate Partner Homicide
- Performance Management in Local Public Health Departments: A Tool to Address Sexually Transmitted Infections
- Remote-Care Interventions for Type 2 Diabetes Patients during the COVID-19 Pandemic
- Association of Fatigue and Ulnar Collateral Ligament Injury in Professional Baseball Pitchers
- Pacific Islanders and the Impact of COVID-19 in Hawai'i
- Serum Iron Markers in Relation to Hepatocellular Carcinoma Risk Among Patients with Non-Alcoholic Fatty Liver Disease
- Effects of Smoking and Drinking on Oropharyngeal Cancer Outcome by HPV Serostatus: A Prospective Cohort Study

- A Retrospective Review of COVID-19 Testing and Mitigation Strategies at Western Psychiatric Hospital and Subsequent COVID-19 Acquisition
- The Impact of Corticosteroids on Secondary Infection and Mortality in Critically Ill COVID-19 Patients
- Community-based Sample of Two Predominantly African American Neighborhoods in Pittsburgh, PA
- Prevention and Mitigation of SARS-CoV-2 in a Behavioral Health Setting
- Cumulative stress burden and cognitive function in African American adults living in low-income neighborhoods
- Transition to a more even distribution of daily protein intake is associated with enhanced fat loss during a hypocaloric & physical activity intervention in obese older adults
- Hysterectomy pathways: Systemic Long term impact on reduction of open hysterectomy rates
- Identifying Patterns of Free-Living Physical Activity that are Related to Perceived Physical Fatigability
- Animal Bite and Rabies Surveillance in Allegheny County, 2019
- Association of Leukocyte Telomere Length and Genetic Biomarkers of Leukocyte Telomere Length With Perceived Physical and Mental Fatigability
- The Contribution of Modifiable and Non-Modifiable Risk Factors of Pancreatic Cancer: A Geospatial Analysis and Literature Review
- Investigation of Bone-Mineral Density while using Thyroid Medication: a SWAN Cohort Study
- The Effect of a 6 Months African Dance Physical Activity Intervention on Perceived Physical Fatigability: The Rhythm Experience and Africana Experiment Trial (REACT)
- Effects of Marijuana Legalization Policies on Fatal Car Accidents Throughout the Fifty States
- Association Between Obstructive Sleep Apnea and Cancer: A Survival Analysis
- Determinants of Human Papillomavirus Vaccination Coverage in Young Women Across 76 Countries
- Availability of Hepatitis C Services in Drug and Alcohol Treatment Facilities in Pennsylvania
- Periaortic Adipose Tissue Relationship with Arterial Stiffness in Midlife Men
- Where You Shop and Neighborhood Access to Fruit and Vegetables Are Associated with Self-Rated and Cardiometabolic Health
- Health Outcomes to Determine Health Related Quality of Life of Post 9/11 Veterans Recovering from a Combat Induced Mobility Impairment: A Literature Review
- Sexual and Reproductive Health Knowledge Among Youth Refugees in South Asia
- The Role of Family Support and Outness on the Depressive Symptoms of Gender Minority Youth
- The Genetic Correlation Between Cardiometabolic Disease and Function Status in Long-Lived Adults
- The Catechol-O-Methyltransferase Genotype, Frailty, and Gait Speed: The Cardiovascular Health Study
- The Relationship between Personality and Perceived Mental Fatigability
- Evaluation of the Effectiveness of the Good Samaritan Provision of Act 139 in Allegheny County Pennsylvania
- Assessing Pre-Injury Health Status of Older Adults Who Have Sustained a Traumatic Brain Injury Compared to Matched Controls
- The Relationship between Pollen, Air Pollution, and Asthma Exacerbations in Children in Allegheny County, PA 2003-2011: A Case-Crossover Analysis”
- Biochemical Effects of Toxic Stress and Its Effect on Inflammation During Pregnancy
- A Cross-Sectional Analysis of the Association Between the American Heart Association’s Life’s Simple 7 and Social Risk Factors in US Adults: NHANES 2015-2016
- Cardiac Arrest Etiology and Associated Cognitive Impairment in Survivors
- Animal Bite Surveillance and Treatment for Animal Bite Infections, Allegheny County, Pennsylvania - 2018
- Compendium of Medical Cannabis Policy in the United States and Literature Review of Prenatal Cannabis Use and its Association with Adverse Neonatal Outcomes
- Systematic Review of Telehealth Use in the Rural United States
- Environmental Justice Metrics Contextualize the Preterm Birth Disparity in Allegheny County
- Functional Outcomes and Mortality Rates for Ischemic Stroke Patients Presenting to Rural Hospitals or Urban Hospitals in Pennsylvania
- HDL-C and Menopause in Women: The Contribution of Estradiol and Inflammation
- The Relationship Between Physical and Social Environments and Violence Involvement Among Youth in Allegheny County, PA: A Spatial Analysis
- Predictors of Weight Loss Following an Intentional Weight Loss Intervention and Long-term Weight Maintenance in Overweight and Obese Young Adults