

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

- 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
- Evaluating Sexual Orientation and Gender Identity Differences in Human Papillomavirus and Related Cancer Prevention Interventions
- Sexually Transmitted Infection Rates Among Sexual Minority U.S. Women Aged 15 to 44 Years Who Participated in the National Survey for Family Growth
- The Effects of Thyroid Medication on Bone Mineral Density: A Study of Women’s Health Across the Nation (SWAN) Pharmacoepidemiology Study
- Improving Type 1 Diabetes Management: Considerations For a Peer Support Network in Kigali, Rwanda
- Developing a Method for Characterizing Genealogy of Parameter Values From Epidemiological Models of Infectious Disease
- Inter-rater Reliability of Retrospective Virtual Audits of the Built Environment

- Impact of Permanent Housing on Opioid Dependence in Homeless Adults in Allegheny County
- Endometrial Pathology in a Bariatric Sample From Three Institutions
- Recommendations For An Urban Pediatric Primary Care Center to Reduce Non-Urgent Emergency Department Utilization
- Sociodemographic Predictors of Measles Immunization Exemption: Washington State, 2013-2018
- The Effects of Soy Isoflavones on Arterial Stiffness: A Systematic Review and Meta-Analysis of Randomized Control Trials
- Clostridioides Difficile Infection in Rehabilitation Patients with Prior Urine Testing at a Large Academic Medical Center
- Cross-Sectional Association of Bone Mineral Density with Coronary Artery Calcification in Multi-Ethnic Middle-Aged Men ERA JUMP Study
- Resolution of Disparities in Obesity and Depression Prevalence Between Lesbian and Heterosexual Women in Pittsburgh: Results from the ESTHER Study
- Depression Symptoms on the Decline in Older Adults: Birth Cohort Analyses From the Rust Belt
- Impact of a One-Year Behavioral Weight Management Program on Depressive Symptoms in Older Adults
- Real-World Direct Comparison of the Effectiveness and Safety of Apixaban, Dabigatran, Rivaroxaban, and Warfarin in Medicare Beneficiaries with Atrial Fibrillation: A Subgroup Analysis by a History of Ischemic Stroke or Transient Ischemic Attack
- Barriers to Hepatitis A Vaccination in Homeless Populations: A Narrative Literature Review
- The Cardiovascular Consequences of Impaired Sleep
- The Association of Physical Activity and Perceived Physical Fatigability on Gait Speed: The Long Life Family Study
- Socio-Demographic and Environmental Characteristics of Children Under 18 Years Seen for Asthma Exacerbation in the UPMC Children's Hospital of Pittsburgh Emergency Department, 2017— 2018
- Influenza Vaccine Effectiveness Among Outpatients in Pittsburgh: Combined Results from Five Seasons of the US Flu Vaccine Effectiveness Network Study 2011-2016
- The Benefits of Music and Physical Activity-Based Therapies for Early-Stage Alzheimer's Disease
- Nonmedical Use of Prescription Opioids and Comorbid Mental Health Problems: A Literature Review
- Examining the Effect of Inorganic Arsenic Exposure on Muscle Quality Using the National Health and Nutrition Survey
- A Family Planning Clinic-Based Intervention: Effects of Provider-Delivered Education and Counseling for Intimate Partner Violence and Reproductive Coercion on Contraceptive Behavior in Women
- Elimination of Contact Precautions: Effect on Methicillin-Resistant Staphylococcus Aureus Outcomes
- Exploring Potential Risk Factors Associated with Interval Colorectal Cancer
- Neurocognitive Measures of Psychiatric Patients During Acute Illness
- Longitudinal Characterization of Headache After TBI and Potential Immunological Target
- The Genetic Determinants of the Cardiovascular Disease Biomarker: N-Terminal Fragment of pro-B-type Natriuretic Peptide (NT-pro BNP) The Role of Leptin in Cardiovascular Outcomes in Patients with Type 2 Diabetes: An Analysis of the Bypass Angioplasty Revascularization Investigation 2 Diabetes (BARI 2D) Trial Data
- An Examination of Racial Disparities in Healthcare Service Utilization and Outcomes Following Traumatic Brain Injury: A TRACK-TBI Pilot Study
- The Association of Objectively Measured Physical Activity on Blood Pressure and the Prevalence of Hypertension in African Ancestry Men
- Multimorbidity and Functional Capacity in Geriatric Patients with Cardiovascular Disease
- Neural Correlates of Postural Instability in Older Adults
- Predictors of Postoperative Delirium Among Patients Undergoing Total Knee Arthroplasty: A Literature Review
- The Association Between Phthalate Exposure and Newborn Anogenital Distance: A Review
- Heritability and Risk Factors for Perceived Physical Fatigability in the Long Life Family Study
- Subclinical CMV Viremia is Associated with Increased Nosocomial Infections and Prolonged Hospitalization in Patients with Systemic Autoimmune Diseases
- Relationship of Sleep Quality and Duration and Obesity in Afro-Caribbean Men
- Analysis of Comorbid Conditions Associated with Intrauterine Device Removal Within an Inpatient Population

- The Relationship Between Personality Changes and Amyloid-B in Cognitively Normal Older Adults
- The Impact of Physical Activity on Physical Function Outcomes in Older Adults at Risk for Diabetes
- The Association Between Telomere Length and Risk of Breast Cancer in Singapore Chinese Health Study
- Cyber Dating Abuse Perpetration: Evolving Methods of Adolescent Relationship Abuse Expression Through Technology
- An Analysis of Act 92: How Inpatient Admission Versus Observation Status Affects Cost of Care and Health Outcomes
- An Exploratory Analysis of the Relationship Between Aflatoxins and Growth Impairment in Children from Zambia
- Influence of Polypharmacy on 30-Day Readmission Rates Among Medicare Recipients
- A Comparison of 8-Hour Versus 12-Hour Shift Duration on Fatigue and Fatigue-Related Indicators in Emergency Medical Services and Related Shift Workers: A Systematic Review
- Prevalence, Risk-Factors, and Outcomes of Rifampicin-Sensitive and Rifampicin-Resistant Tuberculosis in the South Kivu Province, Democratic Republic of the Congo
- Health Literacy or Poverty: Associations with Medicaid Costs in Southwestern Pennsylvania
- Demographics, Clinical Measurements, and Behavioral Predictors of Type 1 Diabetes Mortality in Rwandan Adults
- Rabies Surveillance in Allegheny County, 2015-2016
- Cost-Effectiveness Analysis of Biopsy Strategies for Endometrial Cancer Diagnosis in Women with Postmenopausal Bleeding: Pipelle Sampling Curette Versus Dilatation & Curettage
- Pharmacological Treatments of Interstitial Cystitis: A Review of the Literature
- Neural Correlates of Fatigability in Older Adults by 7T Magnetic Resonance Imaging (MRI)
- The Effects of Aging on Platelet Bioenergetics
- Trends Over Time in the Prevalence of Clostridium Difficile Within A Large Community Hospital Setting: 1997-2017
- Relating Neuropathic Symptoms and Impaired Monofilament Detection to Knee Osteoarthritis Patients Following Total Knee Replacement
- Interaction Between Ethnicity and Smoker Type: A Comparison of Daily and Intermittent African American and Caucasian Smokers
- The Association of Climate, Socioeconomic Factors and Recent Incidence on the Cyclical Dengue Epidemic in Thailand, 2013
- Marine n-3 Fatty Acid Intake, Glutathione S-Transferases (GSTs) Polymorphisms and Colorectal Cancer Risk: The Singapore Chinese Health Study
- Homocysteine as a Biomarker of Subclinical Cardiovascular Disease Among Reproductive Age Women
- Institutional Capacity for Obstetric Care and Its Association with Cesarean Section Rates in Mexico: A Risk Model Evaluation Approach
- Emerging Waves of Carbapenem Resistance Among Gram Negative Pathogens at a Tertiary Center
- Association of Perceived Stigma with Glycemic Control in Youth and Young Adults with Type 1 Diabetes in Rwanda
- Sustained Obesity and Depressive Symptoms Over 6 Years: Race by Gender Differences in the Health and Retirement Study
- Trends in Coal Miners' Exposure to Coal Mine Dust Before and After Implementation of the Continuous Personal Dust Monitor and Reduced Exposure Limit
- Cost Effectiveness Analysis of Out-of-Hospital Cardiac Arrest (OHCA) Management Strategies
- Provider Perceptions of Rounding Checklists in UPMC Intensive Care Units
- Explaining Health Disparities: Evaluating and Advancing Methodology
- A Cross-Sectional Study on Asthma Hospitalization Rates and Unhealthy Air Quality Index Frequency in Pennsylvania
- Association of Lipopolysaccharide-Binding Protein with Liver Fat in African Ancestry Men
- Exploring Predictors of Loss-To-Care Among People Living with HIV
- Relationship Between Food Insecurity and Maternal Depression
- The Association Between Cognitive Reserve and Time to Conversion from Normal Cognition to Mild Cognitive Impairment
- Global Epidemiology of Group with Meningococcal Disease: Multifocal Emergence of Genetically Diverse Sequence Type (ST)-11 Strains

- No Significant Association of N-3 Polyunsaturated Fatty Acids (PUFAs) with T-Helper Type 1 (Th1) Cells: Results from the Multi-Ethnic Study of Atherosclerosis (MESA)
- A Systematic Review on Traumatic Brain Injury and Aggression in Community Samples
- Quantifying the Impact of the Measles Vaccine by Estimating the Number of Measles Cases Prevented for Each State From 1962-2010
- Trends in Cardiovascular Risk Factor Management in Type 1 Diabetes by Sex: The Pittsburgh EDC Study
- Plasma Biomarkers Prediction on Chronic Obstructive Pulmonary Disease Progression
- Maternal Sources of Stress Within Her Combined Individual and Neighborhood Environment and the Risk of Preeclampsia
- How Veterans at an Elevated Risk for Suicide Perceive Their Mental Health Care: A Thematic Analysis
- Dissemination of Diabetes Prevention Intervention in the Community: Development and Implementation of a Survey for Lifestyle Coaches Working in the Trenches
- Twenty Years of Dengue Surveillance at a Ministry of Health Hospital in Kamphaeng Phet, Thailand, 1994-2013
- Alcohol Consumption as a Mediator Between Alcohol Outlet Density and Traumatic Injury
- Mathematic Models of Subpopulation-Specific Sexual Interactions for HIV Transmission and Control
- Assessment of Potential Intermediate Risk-Factor Variables in the BARI 2D Clinical Trial Whose Trajectories Over 5 Years Act Against One Another: A Partial Explanation of the Non-Significant Association of Treatments with Survival
- Prevalence, Risk Factors and Outcomes of Multidrug Resistant Tuberculosis Identified by GeneXpert MTB/RIF Assay in Bukavu, Democratic Republic of the Congo
- Prefrontal Cortex Activation During Dual Task Conditions in Older and Younger Adults
- The Role of Vitamin D in Type 1 Diabetes Complications: A Cross-Sectional Analysis of the Pittsburgh EDC Study
- Rates and Risks Factors for Chlamydia and Gonorrhea Reinfection Among Adolescents: A Literature Review
- Spatial and Temporal Trends of Dengue Hemorrhagic Fever in Myanmar from 2004 to 2014
- Using Childhood Cancer Incidence Trends Over Time as a Surveillance Tool in Evaluating the Health Outcome Impact of Unconventional Shale Gas Development in PA
- Age-Adjusted Mortality Rates of Tobacco-Related Malignant Neoplasms in Allegheny County, State of Pennsylvania and the United States, 2012-2013