

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

- 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 Gonorrhoea 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