



2025 VIRTUAL OPEN HOUSE

Epidemiology Department Session

Wednesday, October 22, 2025

11:00am – 12:00pm

Departmental Overview

This information session provides a foundation for conversations and questions in Epidemiology's virtual Q & A sessions.

Education Team, Education Program & Mission, Faculty, Research Areas of Emphasis

Tina Costacou, PhD, MSc and Nancy W. Glynn, PhD, FACSM, FGSA

Co-Vice Chairs for Education

Doctoral Degree Program – Admissions, Coursework & Dissertation Preparation, Careers

Tina Costacou, PhD, MSc

Director, Doctoral Degree Programs

Master's Degree Programs – Admissions, Curricula, Internships, Research, Jobs, Student Life

Nancy W. Glynn, PhD, FACSM, FGSA

Director, Master's Degree Programs

Student Services – Mission, Responsibilities, Staff Experience, Personalized Engagement

Amy L. Rhodes, MEd

Director, Student Services

Choosing a Graduate Program – Quality Networks, Leading-Edge Training, Global Alumni Impact

Thomas Songer, PhD, MSc, MPH

Director, Bachelor of Science in Public Health Program

Q&A/Breakout Rooms

**2025 Open House
School of Public Health
Department of Epidemiology
Wednesday, October 22, 2025**

EDUCATION TEAM

Tina Costacou, PhD, MSc	Associate Professor; Co-Vice Chair for Education; Director of Doctoral Degree Program	costacout@edc.pitt.edu
Nancy W. Glynn, PhD	Associate Professor; Co-Vice Chair for Education; Director of Master's Degree Programs	epidnwg@pitt.edu
Thomas J. Songer, PhD, MPH, MSc	Assistant Professor and Director of BSPH Program	tjs@pitt.edu
Amy L. Rhodes, MEd	Director of Student Services	rhodesa@edc.pitt.edu
Sam Kline, MS	Student Services Coordinator	smk351@pitt.edu
Anne Meals, MaT	Senior Research Assistant	amm902@pitt.edu

Full Sequence		
Doctor of Philosophy (PhD) Program in Epidemiology		
Fall Term, Year 1 (matriculation as of Fall 2025)		
Course #	Course Title	Credits
BIOST 2041*	Introduction to Statistical Methods	3
EPIDEM 2004 (fall/spr/sum) OR EOH 3210 (spring)	Pathophysiology Across the Lifespan <u>OR</u> Pathophysiology of Environmental Disease	4 3
EPIDEM 2110*	Principles of Epidemiology	3
EPIDEM 2185 (fall) <u>OR</u> EPIDEM 2186 (fall)	Introduction to SAS <u>OR</u> Introduction to R for Public Health	2 2
EPIDEM 2250	Seminar in Epidemiology	1
PUBHLT 2022	Dean's Public Health Grand Rounds (must register for 2 terms)	0
Electives	In consultation with advisor	0-3
Internal Review Board (IRB) Training	Internal Review Board (IRB) Online Training – see Student Services staff for details	0
Pitt Public Health Academic Integrity Module Training	Please refer to the Pitt Public Health website for more information about this school-wide graduation requirement.	0
Spring Term, Year 1		
BIOST 2142*	Applied Regression Analysis	3
EPIDEM 2004 (fall/spr/sum) OR EOH 3210 (spring)	Pathophysiology Across the Lifespan <u>OR</u> Pathophysiology of Environmental Disease	4 3
EPIDEM 2160 (spr 1 or spr 2)	Epidemiology of Infectious Diseases	2
EPIDEM 2180*	Fundamentals of Epidemiological Methods	3
EPIDEM 3183**	Reading, Analyzing & Interpreting Public Health Medical Literature	3
EPIDEM 2250	Seminar in Epidemiology	1
EPIDEM 2600 (spr 1 or spr 2)	Introduction to Molecular Epidemiology	3
PUBHLT 2011	Essentials of Public Health (exempted with BSPH or MPH)	3
PUBHLT 2022	Dean's Public Health Grand Rounds (must register for 2 terms)	0
Electives	In consultation with advisor	0-3
Summer Term, Year 1		
EPIDEM 2004 (fall/spr/sum) OR EOH 3210 (spring)	Pathophysiology Across the Lifespan <u>OR</u> Pathophysiology of Environmental Disease	4 3
Electives	In consultation with advisor	0-6
Fall Term, Year 2		
EPIDEM 2181**	Design and Conduct of Clinical Trials	2
EPIDEM 2189	Epidemiological Methods of Longitudinal & Time-To-Event Analyses	3
EPIDEM 3100	Research and Dissertation	Discuss w/ advisor
EPIDEM 2215	Teaching Practicum	2
EPIDEM 2250	Seminar in Epidemiology	1
EPIDEM 2260	Epidemiologic Basis for Disease Control	2
XXXXX-XXXX ¹	Advanced Quantitative Course requirement	1-3
Electives	In consultation with advisor	0-3

Spring Term, Year 2		
EPIDEM 2160 (spr 1 or spr 2)	Epidemiology of Infectious Diseases	2
EPIDEM 2170	Chronic Disease Epidemiology	2
EPIDEM 2192	Causal Inference in Epidemiologic Research	3
EPIDEM 3100	Research and Dissertation	Discuss w/ advisor
EPIDEM 2215 (fall/spr/sum)	Teaching Practicum	2
EPIDEM 2230 (spr 2 or spr 3)	Secondary Data Analysis: A Capstone Course	2
EPIDEM 2250	Seminar in Epidemiology	1
EPIDEM 2600 (spr 1 or spr 2)	Introduction to Molecular Epidemiology	3
XXXXX - XXXX ¹	Advanced Quantitative Course requirement	1-3
Electives	In consultation with advisor	0-4
Summer Term, Year 2		
EPIDEM 3100	Research and Dissertation	Discuss w/ advisor
Electives	In consultation with advisor	0-6
Fall Term, Year 3		
EPIDEM 2193	Machine Learning in Epidemiological Research	3
EPIDEM 3100	Research and Dissertation	Discuss w/ advisor
EPIDEM 2215 (fall/spr/sum)	Teaching Practicum	2
EPIDEM 2250	Seminar in Epidemiology	1
EPIDEM 2921	Grant Writing	3
PUBHLT 2030	Research Ethics and the Responsible Conduct of Research	1
XXXXX-XXXX ¹	Advanced Quantitative Course requirement	1-3
Electives	In consultation with advisor	0-4
Spring Term, Year 3		
EPIDEM 3100 <u>OR</u> FTDR 3999	Research and Dissertation <u>OR</u> Full-Time Dissertation Research (determined by level of academic progress)	Discuss w/ advisor
EPIDEM 2215 (fall/spr/sum)	Teaching Practicum	2
EPIDEM 2230 (spr 2 or spr 3)	Secondary Data Analysis: A Capstone Course	2
EPIDEM 2250	Seminar in Epidemiology	1
Electives	In consultation with advisor	0-10

¹ One advanced quantitative course is required. Choose from the following:

BCHS 2991, BCBS 3002, BCBS 3015, BOST 2016, BOST 2143 (replaced BOST 2050), BOST 2150 (replaced BOST 2066), EFOP 3408, HPM 3505, and HUGEN 2080.

NOTE: HUGEN 2070 also qualifies as an advanced quantitative course. However, this course is no longer being offered.

REMINDER: Questions about other courses not on the above list that may qualify to meet this requirement should be discussed with your advisor. If your advisor agrees that the class might qualify, information about it should be forwarded to the Epidemiology Curriculum Committee Chair via the Director of Student Services. Approval from the Curriculum Committee must be obtained prior to enrolling in the class.

OTHER PhD REQUIREMENTS (no credits involved): Contact your academic advisor or the Director of Student Services rhodesa@edc.pitt.edu for more information. They must be completed prior to graduation.

- **Primary Data Collection & Management Requirement**
- **Independent Development Plan (IDP) submission** (Doctoral students must submit IDP's annually. A reminder about this requirement will be emailed to students in spring term).
- **Presentation Training – Competency in Communication** (two presentations must be delivered)

*Course should be completed before sitting for the preliminary examinations unless exempted

**Students who have completed this course performed better on the preliminary exams than those who did not.

Accelerated Sequence (students with prior MS/MPH in epidemiology and advisor approval) *		
Doctor of Philosophy (PhD) Program in Epidemiology		
Fall Term, Year 1 (matriculation as of Fall 2025)		
Course #	Course Title	Credits
EPIDEM 2004 (fall/spr/sum) OR EOH 3210 (spring)	Pathophysiology Across the Lifespan <u>OR</u> Pathophysiology of Environmental Disease	4 3
EPIDEM 2181***	Design and Conduct of Clinical Trials	2
EPIDEM 2185 (fall) <u>OR</u> EPIDEM 2186 (fall)	Introduction to SAS <u>OR</u> Introduction to R for Public Health	2 2
EPIDEM 2189	Epidemiological Methods of Longitudinal & Time-To-Event Analyses	3
EPIDEM 2215 (fall/spr/sum)	Teaching Practicum	2
EPIDEM 2250	Seminar in Epidemiology	1
EPIDEM 2260	Epidemiologic Basis for Disease Control	2
PUBHLT 2022	Dean's Public Health Grand Rounds (must register for 2 terms)	0
Electives	In consultation with advisor	0-3
Internal Review Board (IRB) Training	Internal Review Board (IRB) Online Training - see Student Services staff for details	0
Pitt Public Health Academic Integrity Module Training	Please refer to the Pitt Public Health website for more information about this school-wide graduation requirement.	0
Spring Term, Year 1		
EPIDEM 2004 (fall/spr/sum) OR EOH 3210 (spring)	Pathophysiology Across the Lifespan <u>OR</u> Pathophysiology of Environmental Disease	4 3
EPIDEM 2160 (spr 1 or spr 2)	Epidemiology of Infectious Diseases	2
EPIDEM 2170 (spr 1 or spr 2)	Chronic Disease Epidemiology	2
EPIDEM 3183***	Reading, Analyzing, & Interpreting Public Health Medical Literature	3
EPIDEM 2192	Causal Inference for Epidemiologic Research	3
EPIDEM 2215 (fall/spr/sum)	Teaching Practicum	2
EPIDEM 2250	Seminar in Epidemiology	1
EPIDEM 2600 (spr 1 or spr 2)	Introduction to Molecular Epidemiology	3
PUBHLT 2011	Essentials of Public Health (exempted with BSPH or MPH)	3
PUBHLT 2022	Dean's Public Health Grand Rounds (must register for 2 terms)	0
Electives	In consultation with advisor	0-3
Summer Term, Year 1		
EPIDEM 2004 (fall/spr/sum) OR EOH 3210 (spring)	Pathophysiology Across the Lifespan <u>OR</u> Pathophysiology of Environmental Disease	4 3
Electives	In consultation with advisor	0-6
Fall Term, Year 2		
EPIDEM 2170 (fall 1 or fall 2)	Chronic Disease Epidemiology	2
EPIDEM 2193 (fall 2 or fall 3)	Machine Learning in Epidemiological Research	3
EPIDEM 3100	Research and Dissertation	Discuss w/ advisor
EPIDEM 2215	Teaching Practicum	2
EPIDEM 2250	Seminar in Epidemiology	1
PUBHLT 2030	Research Ethics and Responsible Conduct of Research	1
XXXXX-XXXX ¹	Advanced Quantitative Course requirement	1-3
Electives XXX	In consultation with advisor	0-5

Spring Term, Year 2		
EPIDEM 2160 (spr 1 or spr 2)	Epidemiology of Infectious Diseases	2
EPIDEM 2170 (starting 2025, spring 1 or spring 2)	Chronic Disease Epidemiology	2
EPIDEM 3100	Research and Dissertation	Discuss w/ advisor
EPIDEM 2215 (fall/spr/sum)	Teaching Practicum	2
EPIDEM 2230 (spr 2 or spr 3)	Secondary Data Analysis: A Capstone Course	2
EPIDEM 2250	Seminar in Epidemiology	1
EPIDEM 2600 (spr 1 or spr 2)	Introduction to Molecular Epidemiology	3
Electives	In consultation with advisor	0-5
Fall Term, Year 3		
EPIDEM 2193 (fall 2 or fall 3)	Machine Learning in Epidemiological Research	3
EPIDEM 2215 (fall/spr/sum)	Teaching Practicum	2
EPIDEM 2921	Grant Writing	3
EPIDEM 3100	Research and Dissertation	Discuss w/advisor
XXXXX-XXXX ¹	Advanced Quantitative Course requirement	1-3
Electives	In consultation with advisor	0-8
Spring Term, Year 3		
EPIDEM 3100 <u>OR</u> FTDR 3999	Research and Dissertation <u>OR</u> Full-Time Dissertation Research (determined by level of academic progress)	Discuss w/ advisor
EPIDEM 2215 (fall/spr/sum)	Teaching Practicum	2
EPIDEM 2230 (spr 2 or spr 3)	Secondary Data Analysis: A Capstone Course	2
EPIDEM 2250	Seminar in Epidemiology	1
Electives	In consultation with advisor	0-10

¹ **One advanced quantitative course is required. Choose from the following:**

BCHS 2991, BCHS 3002, BCHS 3015, BIOST 2016, BIOST 2143 (replaced BIOST 2050), BIOST 2150 (replaced BIOST 2066), EFOP 3408, HPM 3505, and HUGEN 2080.

NOTE: HUGEN 2070 also qualifies as an advanced quantitative course. However, this course is no longer being offered.

REMINDER: Questions about other courses not on the above list that may qualify to meet this requirement should be discussed with your advisor. If your advisor agrees that the class might qualify, information about it should be forwarded to the Epidemiology Curriculum Committee Chair via the Director of Student Services. Approval from the Curriculum Committee must be obtained prior to enrolling in the class.

OTHER PhD REQUIREMENTS (no credits involved): Contact your academic advisor or the Director of Student Services rhodesa@edc.pitt.edu for more information. They must be completed prior to graduation.

- **Primary Data Collection & Management Requirement**
- **Independent Development Plan (IDP) submission** (Doctoral students must submit IDP's annually. A reminder about this requirement will be emailed to students in spring term).
- **Presentation Training – Competency in Communication** (two presentations must be delivered)

*Doctoral students interested in following this accelerated sequence will need the approval of their Advisor **AND** the Program Director to exempt from the following prerequisite courses: EPIDEM 2110, BIOST 2041, EPIDEM 2180, BIOST 2142 (replaced BIOST 2049). This exemption will only be granted if they have previously taken these courses or similar courses in another program. To receive the exemption, students should discuss with their academic advisor and submit transcripts and course syllabi to the PhD program

director for approval. Students receiving exemptions are strongly recommended to participate in EPIDEM 2110 or EPIDEM 2180 as a Teaching Assistant given that these courses are required for the preliminary examinations.

***Students who have completed this course performed better on the preliminary exams than those who did not.

University of Pittsburgh, Department of Epidemiology Recent Doctoral Program Dissertation Titles

- Optimizing comparative effectiveness evidence from transfusion medicine trials: informing clinical practice and study designs.
- Risk of Longer-term Neurological and Endocrine/Metabolic Conditions in the Deepwater Horizon Oil Spill Coast Guard Cohort Study.
- The Family Social Environment and its Relation to ADHD Symptoms and Cognitive Performance in Children Born to Black Teenage Mothers.
- Multidimensional sleep health during pregnancy – The influences of prenatal depression and experiences of racial discrimination.
- Diet Quality Improvement in Weight Loss Trials.
- Isoflavones, equol producing status, and atherosclerosis in Japanese men in Japan.
- High-Density Lipoprotein (HDL) Metrics in Midlife Women: Associations with Adiposity, Subclinical Atherosclerosis and Cardiovascular Health.
- A pathway approach in human pregnancy to quantify the effects of phthalates on fetal health outcomes mediated by placental function.
- Alterations in Cardiometabolic and Vascular Function Measures During the Menopause Transition.
- Age at Natural Menopause and Its Determinants in Women with Type 1 Diabetes.
- Identification of Metabolic, Immune, and Genetic Risk Factors for Hepatocellular Carcinoma.
- Examining the Association of Chronic Health Conditions and Adverse Health Outcomes: Knee OA and Recurrent Falls Knee OA and Mobility Limitations Sarcopenia and Fractures.
- Cardiometabolic-Health Related Risk Factors and Physical Function with Aging: Targets for Lifestyle Intervention.
- The Impact of Roux-en-Y Gastric Bypass on Inflammation and Cardiovascular Disease.
- Repeat Revascularization and Death Following Percutaneous Coronary Intervention in Patients with Type 2 Diabetes: Risk Factors, Biological Mechanisms and Prognostic Models.
- Effects of Inpatient Rehabilitation on Long-Term Motor, Neuropsychological, and Functional Outcomes in Children with Severe Traumatic Brain Injury.

- Novel Approaches to Diagnostics for Women at High Risk for Endometrial Cancer: A Holistic Approach.
- The Role of Central Nervous System in Complex Walking Among Older Adults.
- Informing Low-Dose Aspirin in Gestation and Reproduction Through Novel Methods in Causal Inference.
- Measuring the Effects of Social, Physical and Chemical Environments in Pregnancy: A Biomarker Approach to Reduce Disparities in Maternal Cardiovascular Health.
- Detection of Parkinson Disease Risk in the Community and in the Clinic
- Depression, Insulin Resistance, and Type 2 Diabetes in Midlife Women: Longitudinal Associations and Potential Mediators
- Association of Muscle Function and Size with Falls, Fall Inquiries, and Bone Density, Microarchitecture, and Strength in Older Adults
- The Association Between Timing of Dietary Intake and Healthy Aging
- Metabolomic Signatures of Unintentional Body Weight Loss and Related Health Conditions in Community-Dwelling Older Adults
- Updating Empirical Evidence for Injury Burden Estimates to Improve Safety in the US Mining Industry: Assessing Injuries by Body Region
- Molecular Biomarkers of Subclinical Cardiovascular Disease in the Tobago Health Study and Long-Life Family Study
- Environmental Metal Mixtures, Body Composition, and Insulin Resistance in African Caribbean Adults: Findings from the Tobago Health Study
- Structural and Interpersonal Correlates of Teen Economic Abuse: Impacts of Parental Monitoring, Neighborhood Characteristics, and Social Support on Teen Economic Abuse Victimization
- Understanding Cardiovascular Aging in Women: A Life Course and Reproductive History Perspective
- Midlife as a Critical Window for Cardiovascular Disease Prevention: Evaluation of Midlife Cardiovascular Health, Medication Use and Cardiovascular Disease Risk Prevention

EPIDEMIOLOGY DOCTORAL PROGRAM POST-GRADUATE POSITIONS

Public Sector	Job Title
US Centers for Disease Control and Prevention	Presidential Management Fellow—Public Health Analyst; Opioid Overdose Surveillance --Health Scientist
Epidemic Intelligence Services (CDC-EIS)	Officer
US Food and Drug Administration, Office of Surveillance and Biometrics	Lead Epidemiologist
US Food and Drug Administration, Center for Food Safety and Applied Nutrition, Office of Analytics and Outreach	Infectious Disease Epidemiologist
US Department of Health and Human Services, Office of Minority Health	Director, Division of Policy and Data
National Institute of Allergy and Infectious Diseases (NIAID)	Data Scientist
National Institute for Occupational Safety and Health (NIOSH)	Epidemiologist
National Institute of Child Health and Human Development	Epidemiology Postdoctoral Fellow
Society for Health and Research India (SHARE INDIA)	Associate Research Director
Pennsylvania Department of Health	Epidemiologist; Viral Hepatitis Prevention Coordinator
Allegheny County Health Department	Chief Epidemiologist
Philadelphia Department of Public Health	Acute Communicable Disease Program Manager
Maricopa County Department of Public Health, Office of Epidemiology (Phoenix, Arizona)	Public Health Scientist
UNICEF	Immunology Consultant
VA Pittsburgh Healthcare System Center for Health Equity Research and Promotion	Advanced Fellow in Health Science Research and Development
VHA – VA Boston	Program Coordinator – Clinician Scientist
Ministry of Health	Department of Epidemiology – Head
NIAID - Office of Data Science and Emerging Technologies	Data Scientist
Private Sector	Job Title
Cardno Chemrisk	Senior Health Scientist

Pacira Pharmaceuticals	Associate Medical Director
Booz Allen Hamilton	Lead Scientist, Senior Epidemiologist
Bristol-Myers Squibb	Research Investigator—Translational Bioinformatics Late Stage Oncology
Pfizer	Director, Epidemiology
Merck	Epidemiologist
Astra Zeneca	Director of Patient Centric Science
Astra Zeneca	Research Scientist
Highmark	Lead Decision Support Analyst
Meso Scale Diagnostics, LLC	Manager I, Regulatory Affairs & Compliance
Kaiser Permanente	Senior Data Reporting and Analytics Consultant
STC (Scientific Technologies Corporation) Health	Epidemiologist
University of Pittsburgh Medical Center (UPMC)	Analytics Data Integration Developer
UPMC Children’s Hospital of Pittsburgh – Heart Institute	Senior Statistician
Medpace	Associate Clinical Trial Manager
UPMC, Division of Infectious Diseases	Director, Infectious Diseases Expanded Access (IDEA) center
University of Pittsburgh, Department of Medicine, Division of Infectious Diseases	Director, Clinical Research for the Translational Research Unit (TRU)
Unlearn.AI	Clinical Scientist
Academics	Job Title
University of Minnesota, Medical School	Professor of Family Medicine and BioBehavioral Health, Associate Dean for Research
Georgetown University, School of Medicine	Professor; Associate Director for Minority Health and Health Disparities Research
University of South Florida, College of Public Health	Professor
University of Wisconsin – Madison, Departments of Ophthalmology and Visual Sciences and Population Health Sciences	Professor
University of Massachusetts Amherst, School of Public Health and Health Sciences	Associate Professor and Epidemiology Program Head
Fred Hutchinson Cancer Research Center (Seattle, Washington)	Assistant Professor, Epidemiology Program
Harvard Medical School and Brigham and Women’s Hospital	Instructor in Medicine and Associate Epidemiologist
Wake Forest School of Medicine, Department of Internal Medicine, Gerontology and Geriatric Medicine	Assistant Professor
King Abdulaziz University, Jeddah, Saudi Arabia	Assistant Professor
Duke University, School of Medicine	Assistant Professor of Pediatrics

Updated 9/19/2024

University of North Carolina at Chapel Hill, School of Medicine	Research Assistant Professor
University of Pittsburgh, Graduate School of Public Health	Professor Associate Provost
University of Pittsburgh—School of Medicine	Assistant Professor
University of Pittsburgh—School of Health and Rehabilitation Sciences	Assistant Professor and Director, Didactic Program in Nutrition and Dietetics
Nationwide Children’s Hospital, Research Institute (Columbus, Ohio)	Research Assistant Professor
University of Texas , Glenn Biggs Institute for Alzheimer’s & Neurodegenerative Diseases	Assistant Professor
SUNY Downstate Medical Center	Assistant Professor of Epidemiology
Public Health Foundation of India	Assistant Professor
Icahn School of Medicine at Mount Sinai—Brain Injury Research Center	Postdoctoral Fellow
Texas A&M University	Postdoctoral Research Associate
Virginia Commonwealth University—School of Medicine, Department of Epidemiology	Postdoctoral Fellow
Emory University—School of Medicine	Senior Biostatistician
University of Pittsburgh—Health Policy Institute—Center for Pharmaceutical Policy and Prescribing	Postdoctoral Fellow
Johns Hopkins Bloomberg School of Public Health	Senior Biostatistician
University of Pittsburgh, School of Medicine	Senior Research Analyst
Kazakh National University	Postdoctoral Fellow
John Hopkins School of Medicine	Postdoctoral Fellow
University of Pittsburgh, School of Public Health	Research Staff Position
University of Pittsburgh, Department of Medicine	Assistant Professor of Medicine
University of Pittsburgh, Department of Epidemiology	Data Scientist
University of Pittsburgh, School of Medicine	Research Instructor of Radiology

**3 Term Suggested Course Sequence (December Graduation)
Master of Public Health (MPH) 45 Credit Program in Epidemiology
School of Public Health - University of Pittsburgh
For Fall 2025 Matriculation**

Fall Term, Year 1 (15 credits)

Course #	Course Title	Credits
EPIDEM 2110	Principles of Epidemiology	3
EPIDEM 2250	Seminar in Epidemiology (highly encouraged to attend each term, must register for credit at least once prior to graduation)	1
BIOST 2041	Introduction to Statistical Methods 1	3
BCHS 2509 / HPM 2001	Social and Behavioral Science in Public Health OR Health Policy and Management in Public Health (both offered fall/spring)	3
PUBHLT 2033	Foundations in Public Health	1
PUBHLT 2015	Public Health Biology (exemptions often granted for undergraduate biology majors/minors)	2
PUBHLT 2022	Dean's Public Health Grand Rounds (must register for 2 terms)	0
Suggested Elective		
EPIDEM 2185 or EPIDEM 2186	<i>Introduction to SAS or Introduction to R</i>	2
Required Online Trainings	Human Subjects Internal Review Board (IRB) Module	0
	Pitt Public Health Academic Integrity Module	0

Spring Term, Year 1 (15 credits)

EPIDEM 2180	Fundamentals of Epidemiologic Methods	3
BIOST 2142	Applied Regression Analysis	3
EPIDEM 2160	Epidemiology of Infectious Diseases	2
EPIDEM 2170	Chronic Disease Epidemiology	2
EOH 2013 / PUBHLT 2034	Environmental Health & Disease OR Public Health Communications (offered every fall and spring)	2
BCHS 2509 / HPM 2001	Social and Behavioral Science in Public Health OR Health Policy and Management in Public Health (offered fall/spring)	3
PUBHLT 2022	Dean's Public Health Grand Rounds (must register for 2 terms)	0
Elective(s)	In consultation with Advisor	variable

Summer Term, Year 1

EPIDEM 2214	Public Health Internship**	1 or 2
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Fall Term, Year 2 (15 credits)

EPIDEM 2181	Design and Conduct of Clinical Trials	2
EPIDEM 2214	Public Health Internship (register if summer credits deferred)	1 or 2
EPIDEM 2210	Essay (based on approved topic in consultation with advisor)	1 or 2
EOH 2013 / PUBHLT 2034 / BCHS 2509 / HPM 2001	One MPH core course if not taken in prior terms*	2 or 3
PUBHLT 2035	Applications in Public Health	2
Elective(s)	In consultation with Advisor	variable
Communications Requirement	Oral Presentation Communications Competency	0

*Only one School Core requirement can be taken concurrently with PUBHLT 2035 Applications (e.g., HPM 2001, EOH 2013 or BCHS 2509). For planning purposes, HPM 2001 conflicts with EPIDEM 2189, an advanced Epi Methods course (elective) in Fall, Year 2.

** Summer Internship credits are typically deferred to 2nd Fall term to ease financial burden for full-time students.

Suggested Course Sequence
Master of Science (MS) 45 Credit Program in Epidemiology
School of Public Health - University of Pittsburgh

For Fall 2025 Matriculation

Fall Term, Year 1		
Course #	Course Title	Credits
EPIDEM 2110	Principles of Epidemiology	3
EPIDEM 2185 or EPIDEM 2186	Introduction to SAS or Introduction to R	2
BIOSTAT 2041	Introduction to Statistical Methods 1	3
EPIDEM 2250	Seminar in Epidemiology (highly encouraged to attend each term, must register for credit at least once prior to graduation)	1
PUBHLT 2015	Public Health Biology (exemptions often granted for undergraduate biology majors)	2
PUBLHT 2022	Dean's Public Health Grand Rounds (must register for 2 terms)	0
Elective(s)	In consultation with Advisor	variable
Required Online Trainings	Human Subjects Internal Review Board (IRB) Module	0
	Pitt Public Health Academic Integrity Module	0
Spring Term, Year 1		
EPIDEM 2180	Fundamentals of Epidemiologic Methods	3
BIOSTAT 2142	Applied Regression Analysis	3
EPIDEM 2160	Epidemiology of Infectious Diseases	2
EPIDEM 2170	Chronic Disease Epidemiology	2
PUBHLT 2011	Essentials of Public Health (can be taken in Spring, Year 2 for April graduates)	3
PUBHLT 2022	Dean's Public Health Grand Rounds (must register for 2 terms)	0
Elective(s)	In consultation with Advisor	variable
Fall Term, Year 2		
EPIDEM 2181	Design and Conduct of Clinical Trials	2
EPIDEM 2189 or approved alternative*	Epidemiologic Methods of Longitudinal & Time-To-Events Analyses	3
EPIDEM 2210	Master's Thesis (credits may be split over multiple terms)	3 to 5
Elective(s)	In consultation with Advisor (one suggested course below)	variable
Communications Requirement	Oral Presentation Communications Competency	0

*To be determined in consultation with your academic advisor.

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

EPIDEMIOLOGY MASTER'S PROGRAM POST-GRADUATE POSITIONS

Government	Job Title
Centers for Disease Control & Prevention (CDC); CDC Foundation	Council of State & Territorial Epidemiologists (CSTE) Fellow; ORISE Fellow, WISEWOMAN Study; Strategic Information/Surveillance Global Health Fellow; Presidential Management Fellow; Public Health Analyst, Data Modernization Initiative
National Institutes of Health (NIH)	Technical Intramural Research Training Award (IRTA) Fellow; NIAID Data Science Fellow
County (Allegheny, Arlington, Bucks, Green River, Oakland), State Departments of Health (Delaware, Florida, Hawaii, Maryland, Michigan, Minnesota, New Mexico, North Carolina, Ohio, Pennsylvania, Rhode Island, Texas), and City (Philadelphia DOH, Fire Dept/EMS) Departments of Health	Epidemiologist; Research & Evaluation Analyst; HIV Incidence Specialist; Health Innovation Analyst; Public Health Preparedness Planner; Epidemiological Investigator; Government Operations Analyst II - Epidemiologist; Epidemiologist II; Chronic Disease Data Analyst; Behavioral Health Analyst; Environmental Epidemiologist; Public Health Crisis Response Vulnerability Assessment Data Analyst; EMS Epidemiologist; Opioid Surveillance Epidemiologist; Overdose Surveillance Epidemiologist; Management Analyst II (Epidemiologist); Public Health Educator; Preparedness Epidemiologist; COVID-19 Epidemiologist; COVID-19 Epidemiologist Contact Tracing Lead; Infectious Disease Epidemiologist; Medical Records Abstractor; Global Migration Epidemiologist; Hep C Free Allegheny Coordinator; Applied Epidemiologist; Quality Assurance Coordinator; Social Research Assistant
Center for Medicare and Medicaid Services (CMS)	Social Science Research Analyst
US Department of Veteran Affairs (Pittsburgh)	Research Health Science Specialist; Research Coordinator
Health Resources Services Administration (HRSA)	Public Health Analyst
US Food and Drug Administration	Public Health Biologist; Consumer Safety Officer
Navy & Marine Corps Public Health Center	Epidemiologist
Henry M. Jackson Foundation for Advancement of Military Medicine	Project Coordinator; Epidemiologist 1
Private Sector/Hospital/Non-Profit	Job Title
American Diabetes Association; American Cancer Association	Community Health Strategist; Community Health Director; Research Analyst
Magee-Women's Research Institute; Magee-Women's Hospital	Research Assistant; Clinical Research Assistant
Highmark Health	Decision Support Analyst – Medical Management; Research Statistician; Research Statistician, Clinical Program Evaluation; Strategy Development Analyst
Children's Hospital of Pittsburgh; UPMC; UPMC Hillman Cancer Center; Mon Health; UPMC Presbyterian Hospital; UPMC- St. Margaret; UPMC Western Psychiatric Hospital	Infection Preventionist; Research Coordinator; Project Coordinator; Clinical Research Coordinator; Clinical Trial Research Associate
Acumen, LLC, The SPHERE Institute	Data & Policy Analyst
Allegheny Health Network	Data Analyst; Cancer Clinical Trials Coordinator
WellSpan Health York Hospital	Trauma Research Navigator
Lurie Children's Hospital	Infection Preventionist
NHS Human Services	Data Management Associate
Axio Research	Statistical Programmer
ThreadECO, Inc.	Statistical Analyst
Quintiles	Clinical Research Assistant
Evidera; Dow Jones	Research Associate
TTi Health Research & Economics	Epidemiologist 1
Children's Hospital of Philadelphia	Clinical Research Coordinator

Council of State and Territorial Epidemiologists	Program Analyst
General Dynamics Information Technology	Behavioral Health Epidemiologist
Cardno ChemRisk	Associate Health Scientist
UPMC Health Plan	Business Analyst II (Health Innovator); Analytics Data Integration Developer Associate
Basic Health International	Associate Researcher
Southwood Psychiatric Hospital	Infection Preventionist
Moffitt Cancer Center & Research Institute	Senior Research Data Analyst
Institute for Research, Education & Training in Addictions (IRETA)	Research Associate
Johnson & Johnson Health and Wellness Solutions, Inc.	Behavior Scientist
United Steelworkers Tony Mazzocchi Center	Training Program Assistant
Datalys center for Sports Injury Research and Prevention	Research Assistant
Annexus Health	Data Scientist
ICON plc	Clinical Trial Assistant; Market Asset Analyst
Estee Lauder	Clinical Report Writer
Health Services Advisory Group Inc	Analyst I
Syneos Health	Clinical Research Associate
Sigma Health Consulting, LLC	Staff Consultant
Express Scripts by Evernorth	Proposal Support Lead Analyst
Jewish Healthcare Foundation	Program Epidemiologist Associate
Westat	Research Analyst
Almac Group	Biostatistics Data Manager
Thomas Jefferson University Hospital	Infection Preventionist
Cohere Health	Medical Policy Writer
Banner Health	Infection Preventionist
RTI International	Public Health Analyst
Education/Academia	Job Title
Brain Injury Research Center at Mt. Sinai Hospital	Senior Data Manager
University of Pittsburgh School of Medicine	Data Analyst; Clinical Research Coordinator
University of Pittsburgh School of Pharmacy	Research Specialist
University of Pittsburgh	Postdoctoral Fellow/Global Health Physician; Data Analyst; Data Manager; Research Specialist; Research Coordinator; Project Coordinator
University of Pittsburgh Medical Center (UPMC)	Staff Biostatistician, Heart and Vascular Institute; Clinical Research Manager; Community Health Promotion Specialist; Strategy Analyst; Clinical Research Associate
University of Virginia; University of Michigan; Rutgers University; MIT; University of Washington National Alzheimer's Coordinating Center; University of Utah; University of California, San Francisco; University of Vermont Medical Center; Philadelphia College of Osteopathic Medicine; EVMS – Sentara Healthcare Analytics & Delivery Science Institute; University of Pennsylvania	Research Specialist; Clinical Subjects Coordinator; Research Scientist; Research Analyst; Research Data Analyst; Injury Prevention Coordinator; Research Coordinator; Clinical Data Specialist; Project Manager
Harvard University; Yokohama City University Graduate School of Medicine; University of Pittsburgh; SUNY Medical University; University of Maryland; University of Rochester; University of California, Los Angeles; Touro College; University of Minnesota; University of Utah; Washington State University; University of Oregon	Doctoral Student; Research Specialist; Clinical Research Coordinator; Research Scientist; Research Analyst
University of Colorado; Ohio State University; Tulane University; University of Pittsburgh; LECOM; St. George's School of Medicine; University of Miami School of Medicine; Frank H. Netter MD School of Medicine; Rutgers University School of Medicine; Uniformed Armed Forces Medical Center; University of Florida; Geisinger	Medical Student