# Doctor of Philosophy (PhD) Program in Epidemiology

## Fall Term, Year 1 (matriculation as of Fall 2023)

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Title</th>
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<td>Introduction to SAS OR Introduction to R for Public Health</td>
<td>2</td>
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<td>EPIDEM 2250</td>
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<tr>
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<td>Dean’s Public Health Grand Rounds (must register for 2 terms)</td>
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<td>Internal Review Board (IRB) Online Training – see Student Services staff for details</td>
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</tr>
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<td>Essentials of Public Health (exempted with BSPH or MPH)</td>
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<td>Design and Conduct of Clinical Trials</td>
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<td>EPIDEM 2189</td>
<td>Epidemiological Methods of Longitudinal &amp; Time-To-Event Analyses</td>
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<td>Discuss w/ advisor</td>
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<tr>
<td>EPIDEM 2215 (fall/spr/sum)</td>
<td>Teaching Practicum</td>
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<td>EPIDEM 2250</td>
<td>Seminar in Epidemiology</td>
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<td>EPIDEM 2260</td>
<td>Epidemiologic Basis for Disease Control</td>
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<td>XXXXX - XXXX¹</td>
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**Note:**

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

- BCHS 2991, BCHS 3002, BCHS 3015, BIST 2016, BIST 2050, BIST 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 Epidemiology Student Services Manager.

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<td>Special Studies OR</td>
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<tr>
<td>EPIDEM 3100</td>
<td>Research and Dissertation</td>
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**OTHER PhD REQUIREMENTS (no credits involved):** OTHER PhD REQUIREMENTS (no credits involved): Contact your academic advisor or the Epidemiology Student Services Manager smithl@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) *

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- 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 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

- Risk of Longer-term Neurological and Endocrine/Metabolic Conditions in the Deepwater Horizon Oil Spill Coast Guard Cohort Study.
- 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.
- Preterm Delivery and Maternal Cardiovascular Health.
- 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.
- The Respiratory Mycobiome in Critical Illness.
- 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.
- The Role of Central Nervous System in Complex Walking Among Older Adults.

Updated 9/6/2023
# EPIDEMIOLOGY DOCTORAL PROGRAM POST-GRADUATE POSITIONS

## Public Sector

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

<table>
<thead>
<tr>
<th>Organization</th>
<th>Job Title</th>
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</thead>
<tbody>
<tr>
<td>Cardno Chemrisk</td>
<td>Senior Health Scientist</td>
</tr>
<tr>
<td>Pacira Pharmaceuticals</td>
<td>Associate Medical Director</td>
</tr>
<tr>
<td>Booz Allen Hamilton</td>
<td>Lead Scientist, Senior Epidemiologist</td>
</tr>
</tbody>
</table>

Updated 9/6/2023
<table>
<thead>
<tr>
<th>Company/Institution</th>
<th>Job Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bristol-Myers Squibb</td>
<td>Research Investigator—Translational Bioinfomatics Late Stage Oncology</td>
</tr>
<tr>
<td>Pfizer</td>
<td>Director, Epidemiology</td>
</tr>
<tr>
<td>Merck</td>
<td>Epidemiologist</td>
</tr>
<tr>
<td>Astra Zeneca</td>
<td>Director of Patient Centric Science</td>
</tr>
<tr>
<td>Astra Zeneca</td>
<td>Research Scientist</td>
</tr>
<tr>
<td>Highmark</td>
<td>Lead Decision Support Analyst</td>
</tr>
<tr>
<td>Meso Scale Diagnostics, LLC</td>
<td>Manager I, Regulatory Affairs &amp; Compliance</td>
</tr>
<tr>
<td>STC (Scientific Technologies Corporation) Health</td>
<td>Epidemiologist</td>
</tr>
<tr>
<td>University of Pittsburgh Medical Center (UPMC)</td>
<td>Analytics Data Integration Developer</td>
</tr>
</tbody>
</table>

## Academics

<table>
<thead>
<tr>
<th>University of Minnesota, Medical School</th>
<th>Professor of Family Medicine and BioBehavioral Health, Associate Dean for Research</th>
</tr>
</thead>
<tbody>
<tr>
<td>Georgetown University, School of Medicine</td>
<td>Professor; Associate Director for Minority Health and Health Disparities Research</td>
</tr>
<tr>
<td>University of South Florida, College of Public Health</td>
<td>Professor</td>
</tr>
<tr>
<td>University of Wisconsin – Madison, Departments of Ophthalmology and Visual Sciences and Population Health Sciences</td>
<td>Professor</td>
</tr>
<tr>
<td>University of Massachusetts Amherst, School of Public Health and Health Sciences</td>
<td>Associate Professor and Epidemiology Program Head</td>
</tr>
<tr>
<td>Fred Hutchinson Cancer Research Center (Seattle, Washington)</td>
<td>Assistant Professor, Epidemiology Program</td>
</tr>
<tr>
<td>Harvard Medical School and Brigham and Women’s Hospital</td>
<td>Instructor in Medicine and Associate Epidemiologist</td>
</tr>
<tr>
<td>Wake Forest School of Medicine, Department of Internal Medicine, Gerontology and Geriatric Medicine</td>
<td>Assistant Professor</td>
</tr>
<tr>
<td>King Abdulaziz University, Jeddah, Saudi Arabia</td>
<td>Assistant Professor</td>
</tr>
<tr>
<td>Duke University, School of Medicine</td>
<td>Assistant Professor of Pediatrics</td>
</tr>
<tr>
<td>University of North Carolina at Chapel Hill, School of Medicine</td>
<td>Research Assistant Professor</td>
</tr>
<tr>
<td>University of Pittsburgh, Graduate School of Public Health</td>
<td>Professor</td>
</tr>
<tr>
<td>University of Pittsburgh—School of Medicine</td>
<td>Assistant Professor</td>
</tr>
<tr>
<td>University of Pittsburgh—School of Health and Rehabilitation Sciences</td>
<td>Assistant Professor and Director, Didactic Program in Nutrition and Dietetics</td>
</tr>
<tr>
<td>Nationwide Children’s Hospital, Research Institute (Columbus, Ohio)</td>
<td>Research Assistant Professor</td>
</tr>
<tr>
<td>University of Texas, Glenn Biggs Institute for Alzheimer’s &amp; Neurodegenerative Diseases</td>
<td>Assistant Professor</td>
</tr>
<tr>
<td>SUNY Downstate Medical Center</td>
<td>Assistant Professor of Epidemiology</td>
</tr>
<tr>
<td>Public Health Foundation of India</td>
<td>Assistant Professor</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Institution</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Icahn School of Medicine at Mount Sinai—Brain Injury Research Center</td>
<td>Postdoctoral Fellow</td>
</tr>
<tr>
<td>Texas A&amp;M University</td>
<td>Postdoctoral Research Associate</td>
</tr>
<tr>
<td>Virginia Commonwealth University—School of Medicine, Department of Epidemiology</td>
<td>Postdoctoral Fellow</td>
</tr>
<tr>
<td>Emory University—School of Medicine</td>
<td>Senior Biostatistician</td>
</tr>
<tr>
<td>University of Pittsburgh—Health Policy Institute—Center for Pharmaceutical Policy and Prescribing</td>
<td>Postdoctoral Fellow</td>
</tr>
<tr>
<td>Johns Hopkins Bloomberg School of Public Health</td>
<td>Postdoctoral Fellow</td>
</tr>
<tr>
<td>University of Pittsburgh—School of Medicine</td>
<td>Senior Research Analyst</td>
</tr>
<tr>
<td>Kazakh National University</td>
<td>Postdoctoral Fellow</td>
</tr>
</tbody>
</table>