

ONLINE MS IN CLINICAL EPIDEMIOLOGY

Kent State University's [online Master of Science \(MS\) in Clinical Epidemiology](#) program prepares students to conduct clinical trials and clinical research through a thorough grounding in epidemiological and biostatistical methods. Learn the most up-to-date observational and experimental study designs and methodologies, and build the skill set to investigate disease prevention, development, prognosis and treatment. Learn the clinical practices that support life-saving research, and master the intricacies of clinical trials management, statistical analysis, study monitoring, ethics in clinical research, pharmacoepidemiology and regulatory affairs.

PROGRAM BENEFITS

- **100% online program** designed for full-time working professionals
- Part of Kent State's Council on Education for Public Health (**CEPH**)-**accredited College of Public Health**
- Learn from expert [faculty](#) renowned for their cutting-edge public health research
- Build cutting-edge applied clinical skills in our [robust curriculum](#)
- Choose either a hands-on research practicum or thesis as your culminating experience

ADMISSIONS REQUIREMENTS

- Bachelor's degree from an accredited university with a GPA of 3.0 or higher (on a 4.0 scale)
- GRE scores: Due to COVID-19 concerns, the **GRE requirement has been temporarily suspended**
- Completed [online application form](#)
- Goal statement
- Three letters of recommendation from professors or employers
- Official transcripts from all prior institutions attended
- Resume/CV

PROGRAM STRUCTURE

- 36 credits minimum
- 11 [courses](#)
- 7 required courses, 4 electives and 1 culminating requirement
- 3-4 credits per course
- Courses last 15 weeks each
- Graduate in as few as 18 months
- Start in August

THE CURRICULUM

Core Courses (25 credits):

- BST 52019 Biostatistics in Public Health
- BST 63013 Experimental Designs in Public Health Research
- BST 63014 Applied Regression Analysis of Public Health Data
- EPI 52017 Fundamentals of Public Health Epidemiology
- EPI 63018 Observational Designs for Clinical Research
- EPI 63019 Experimental Designs for Clinical Research
- EPI 63020 Advanced Epidemiology and Clinical Research Methods
- EPI 63021 Ethical Issues in Public Health and Clinical Research

Electives (Choose 2, 5-6 credits):

- EPI 50015 Scientific Writing for Clinical Research
- EPI 50017 Pharmacoepidemiology
- EPI 50018 Regulatory Affairs in Clinical Research
- EPI 50196 Individual Investigation in Epidemiology
- EPI 63014 Epidemiology of Chronic Diseases
- EPI 63015 Epidemiology of infectious Diseases

Culminating Requirement (Choose 1, 6 credits):

- EPI 63192 Research Practicum in Clinical Epidemiology
- EPI 63199 Thesis I

WHAT YOU'LL LEARN

The online MS in Clinical Epidemiology program is designed for professionals who wish to contribute to public health by conducting the essential research necessary to understand and mitigate infectious diseases. It trains you to conduct patient-oriented research to understand and modify health outcomes; design and carry out epidemiological studies; analyze clinical data and understand the sources, strengths and limitations of patient data; design and carry out clinical trials; and describe disease prognosis, therapies and outcomes.

Graduates of the online MS in Clinical Epidemiology may go on to pursue roles as epidemiologists, research scientists, clinical trial managers, research associates, data scientists, clinical data analysts or clinical research coordinators.