

CLINICAL AND TRANSLATIONAL RESEARCH CERTIFICATE (GRADUATE)

Overview

This certificate program will provide students with an in-depth exploration of epidemiologic methods within the context of clinical research. Students will learn clinical research methods, clinical trials, and meta-analysis. The program will be useful both to those with a clinical background and to those without prior clinical training. Students will learn to refine their critical thinking skills and apply epidemiologic methods to clinical research.

Offered by: Department of Epidemiology

Faculty Lead: Lydia Bazzano, MD, PhD (<https://sph.tulane.edu/epid/lydia-bazzano/>)

Purpose

This certificate is designed to prepare master's level students (including MD/MPH students) for research readiness in conducting clinical and translational research. This certificate will also prepare students to be collaborators on clinical research projects and apply research skills in clinical practice.

Eligible Students

This certificate program is designed for advanced students currently in an MPH/MSPH/MPH&TM/MHA program. Students must have a background in epidemiology and biostatistics. Pre-requisites: SPHL 6050 Biostatistics for Public Health, SPHL 6060 Epidemiology for Public Health and EPID 7120 Epidemiologic Methods II.

Certificate Competencies

Students who earn the Certificate in Clinical & Translational Research will be able to:

- Critically assess medical literature;
- Describe issues related to clinical research design, including statistical power calculations; and
- Evaluate methodological issues in clinical research, clinical trials, and meta-analysis

Number of Credits Required for Completion: 14

Requirements

Certificate in Clinical and Translational Research

Course ID	Title	Credits
EPID 6340	Clinical and Translational Research Methods	3
EPID 6420	Clinical Epidemiology	3
EPID 7170	Clinical Trials: Design, Conduct & Interpretation	3
EPID 7310	Meta-Analysis	3
EPID 7410	Pharmacoepidemiology	2

Pre-requisite coursework is: SPHL 6050 Biostatistics for Public Health, SPHL 6060 Epidemiology for Public Health and EPID 7120 Epidemiologic Methods II.