Epidemiology, MS

Learning Outcomes

Graduates will be able to:

- define the concepts and content of epidemiology;
- formulate a research hypothesis;
- determine a study aim, objectives, and appropriate design to address a hypothesis;
- apply concepts of ethics to research practice;
- develop study procedures and data collection instruments for conducting a study;
- collect data and manage data quality;
- use existing databases to provide supportive data to address a research question;
- analyze epidemiologic data with descriptive analysis and regression models, including linear and logistic regression; and
- compose an understandable and presentable report of research results.