

BIostatISTICS, M.P.H.

The goal of the Master of Public Health degree in Biostatistics is to prepare students with prior public health experience, through quality lecture and field practice experiences and other research opportunities, to apply analytical and investigative biostatistical skills in a public health setting.

Learning Outcomes

1. Students will evaluate a public health surveillance system and identify salient gaps and methods to address them.
2. Students will determine the appropriate study designs for a given public health problem and context.
3. Students will compare and contrast the strengths and limitations of epidemiologic study designs (randomized trials and observational studies), including biases and methods to minimize bias.
4. Students will formulate a research question and manage and analyze data from public health administrative or surveillance data or electronic health data repositories.
5. Students will develop appropriate data collection protocols for a given public health issue and context.
6. Students will critically evaluate epidemiologic scientific literature.