The Department of Population Health Sciences (PHS) at the University of Utah is pleased to solicit applications for the PhD program in Population Health Sciences with an emphasis in Biostatistics.

The PHS Biostatistics emphasis is distinguished by its rigorous training, practical collaboration and focus on interdisciplinary work. Students will work closely with the PHS biostatistics faculty in the development of statistical theory and methods. Students also have the opportunity to collaborate with health systems researchers, translational epidemiologists, clinical and basic science investigators across the campus and beyond, spanning Veteran Affairs (VA) Medical Center, Huntsman Cancer Institute, University of Utah Health, and Intermountain Healthcare. Department faculty and students routinely work with unique big data sources including VA Informatics and Computing Infrastructure, University of Utah Electronic Data Warehouse, and Utah Population Database.

We aim to train the next generation of biostatisticians with the skills needed to analyze complex biomedical data in the Big Data era. Students leave with the skills and knowledge to improve patient and population-oriented care in academic, industry or government settings.

WHO SHOULD APPLY
Applicants with a quantitative background with a strong interest in population health.
Deadline: January 15

FUNDING
All students admitted to the Population Health Sciences PhD program are considered for funding, including international students. Funding includes a tuition waiver, student health insurance, and stipend.

MORE INFO
For additional info or questions, contact:
Marcie Leek, MPA
Academic Program Manager
801-587-1606
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CURRICULUM
Program Core
PHS 7020 Insights from Secondary Data
PHS 7030 Applied Modern Causal Inference
PHS 7100 Epidemiology Theory and Methods
PHS 7310 Comparative Health Systems Seminar I
PHS 7370 Social Determinants and Health Inequities
XXXX Grant Writing Practicum

Emphasis Requirements
PHS 7010 Analysis of Multilevel Data
PHS 7035 Theory of Modern Causal Inference
PHS 7040 Machine Learning
PHS 7050 Statistical Practice
PHS 7080 Advanced Survival Analysis
PHS 7090/7095 Advanced Statistical Inference I & II

Electives
Students are encouraged to work closely with their faculty advisor to develop a highly individualized plan of study and can leverage electives (e.g., Survival Analysis, Machine Learning, Clinical Trials) or small group reading courses to build the unique skills needed to pursue their research interest.

Website: https://medicine.utah.edu/population-health-sciences/phd/
Faculty Profiles: http://medicine.utah.edu/population-health-sciences/faculty/