FUNDING OPPORTUNITIES

- Competitive multi-year fellowships through MSU's Graduate School and International Studies Office
- Graduate teaching assistantships
- Graduate research assistantships through faculty research projects
- NIH-sponsored training program for pre- and postdoctoral fellows in Drug Dependency Epidemiology
- Fellowship for Biostatistics MS Students
- Travel funds for research conferences

WHERE ARE OUR GRADUATES?

- Department Of Community Health
- Academia
- Centers for Disease Control
- Private Industry
- Global health organizations
- National Institute of Health
- Non-governmental organizations

DEPARTMENT LEADERSHIP

Claudia B. Holzman, DVM, MPH, PhD
Department Chair
Professor of Epidemiology and Biostatistics

Joseph Gardiner, PhD
Associate Chair
Director, Division of Biostatistics

David Baroness, PhD
Graduate Program Director

MICHIGAN STATE UNIVERSITY

- Leader in environmental and biomedical research
- Community-based schools of human medicine
- School of nursing
- School of veterinary medicine
- World-class basic science laboratories
- Research collaborations on and off-campus
- Long tradition of international health-related research

Department of Epidemiology and Biostatistics
909 Fee Road Room B601
East Lansing, MI 48824
Phone: 517.353.8623
E-mail: info@epi.msu.edu
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DEPARTMENT OF EPIDEMIOLOGY AND BIOSTATISTICS

www.epi.msu.edu

INFORMATION FOR PROSPECTIVE STUDENTS AND RESEARCH FELLOWS

MICHIGAN STATE UNIVERSITY
College of Human Medicine
DEPARTMENT OF EPIDEMIOLOGY AND BIOSTATISTICS

Epidemiology & Biostatistics

together form a powerful inter-disciplinary approach to help us:

- Understand a wide-range of community health problems
- Identify the causes of communicable and non-communicable diseases
- Evaluate whether interventions are effective

Epidemiology is the study of the distribution and causes of diseases in populations and the ways in which disease can be prevented and controlled.

Biostatistics is the theory and application of advanced statistical principles to the design, analysis, and interpretation of biological studies.

RESEARCH AND SCHOLARSHIP

A few areas of current faculty research interests are below:

**EPIDEMIOLOGY**
- Breast Cancer
- Cardiovascular Disease
- Environmental Exposures
- Foodborne Illnesses
- Neurological Outcomes
- Nutrition
- Pediatric Health
- Physical Activity
- Pregnancy Health
- Psychiatric Outcomes
- Psychological Outcomes
- Zoonotic Diseases

**BIOSTATISTICS**
- Bayesian Statistics
- Bioinformatics
- Causal Inference
- Clinical Trials
- Cost-Effectiveness Analysis
- High-Dimensional Data
- Longitudinal Data
- Missing Data
- Reductive Analytics
- Statistical Computing
- Statistical Genetics
- Survival Analysis

OUTREACH ACTIVITIES

We impact public health practice at the local, state, national, and international levels.

EDUCATION AND RESEARCH

Our goal is to educate and inspire masters-level and doctoral-level investigators to be experts and leaders in epidemiology, public health, biostatistics, and clinical research.

Our faculty strive to produce convincing evidence that will lead to improvements in public health, and to develop new and innovative statistical and epidemiological methods for producing this evidence.

DEGREE PROGRAMS

- MS in Epidemiology
- MS in Biostatistics
- PhD in Epidemiology
- PhD in Biostatistics

POST-DOCTORAL FELLOWSHIP

- Drug Dependence Epidemiology

CERTIFICATE & SPECIALIZATION

- Graduate Certificate in Epidemiology
- Undergraduate Minor in Global Public Health and Epidemiology