



# What can I do with a Major in... Public Health

## What is Public Health?

Public health is a practice that involves many health professions focusing on promoting health, preventing disease and other health problems, and intervening at an early point to reduce consequences to the community. Public health also involves research to create the knowledge needed to further advance the public's health. Graduates are prepared for positions in the public health work force, in health-related industries, and in academic organizations and for further professional or academic education.

## What is Public Health at U of L?

### Vision

We will be an internationally recognized center of excellence for the creation, sharing, and application of knowledge for the public's health.

In achieving our vision:

- **We will** extend the domain of public health to include all factors in the public's health.
- **We will** pursue health information sciences as an inseparable aspect of public health.
- **We will** work for close integration of individual health, health care, and public health.

Major subfields: Concentrations are offered in each of the five basic areas of public health. Each concentration is designed to develop the competencies needed by a public health worker in the corresponding area.

**Biostatistics** - Bioinformatics and Biostatistics

**Environmental and Occupational Health** - Environmental and Occupational Health Sciences

**Epidemiology** - Epidemiology and Population Health

**Health Behavior and Cognition** - Health Promotion and Behavioral Sciences

**Health Management** - Health Management and Systems Sciences

### Degrees in Public Health at U of L:

Master of Public Health (MPH)



# What can I do with a Major in...

## Public Health

Master of Science (MS) in Epidemiology

Master of Science (MS) in Biostatistics-Decision Science

Dual Master of Science (MS) in Biostatistics-Decision Science and

Doctor of Philosophy (PhD) in Applied and Industrial Mathematics

Master of Science (MSc) in Clinical Investigation Sciences

Dual Doctor of Medicine (MD) and Master of Science (MSc) in Clinical Investigation Sciences

Certificate in Clinical Investigation Sciences

Doctor of Philosophy (PhD) in Public Health Sciences

Concentration in Environmental Health

Concentration in Epidemiology

Concentration in Health Management

Concentration in Health Promotion

Doctor of Philosophy (PhD) in Biostatistics-Decision Science

### Occupational Overview

Public health is a practice that involves many health professions focusing on promoting health, preventing disease and other health problems, and intervening at an early point to reduce consequences to the community. Public health also involves research to create the knowledge needed to further advance the public's health. The mission of the School of Public Health and Information Sciences is to be a national center of excellence for research and education in population-focused health sciences, including population health, community health, and health information sciences. We will achieve our mission through providing the highest quality research, teaching, and service.

### Employment Requirements

Public health, as a profession and a discipline, focuses on population and society's role in monitoring and achieving good health and quality of life. Public health professionals work in many settings to guarantee:

- Optimal human growth, development, and dignity across the life-span
- Air, food and water safety
- Workplace, school and recreation site safety
- Respect for community participation and preferences in health
- Timely detection of disease outbreaks and public health threats
- Science-based responses to public health problems



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## Public Health

- Health care access, efficiency, and effectiveness
- Encouragement of healthy choices that prolong a high quality life
- Design and maintenance of policies and services to meet community and individual needs for physical and mental health.

### **Career Opportunities in :**

#### **Biostatistics**

*State Health Department*

Data Management Director

*Industry/Corporate*

Director of Clinical Trials

*Federal Government*

Program Evaluation Analyst

#### **Epidemiology**

*Local/State Health Department*

Director of Infectious/Chronic Diseases

*Industry/Corporate*

Outcomes Researcher

*Federal Government*

CDC Investigator

#### **Health Services Administration**

*Health Facilities*

Hospital/Managed Care Administrator

*State Health Dept*

Program Evaluation & Planning

*Industry/Corporate*

Information Systems Manager

*University*

Health Services Research Analyst

*Federal Government*

Policy Analyst

#### **Health Education/Behavioral Science**

*Voluntary Health Agencies*

Consumer Information Director

*Local Health Department*

Program Planning & Evaluation

*Industry/Corporate*

Health Promotion Specialist



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### **Environmental Health**

*Local Health Department/Environmental Agency*

Waste Management Specialist

*State Health Department/Environmental Agency*

Pollution Control Program Director

*Industry/Corporate*

Industrial Hygienist

*Federal Government*

EPA Researcher/Administrator

### **Related Links in the Public Health Discipline:**

#### **Professional Association Links**

Public Health Foundation <http://www.phf.org/links.html>

American Association of Schools of Public Health

American Association of Public Health Physicians

Environmental HealthCenter for Occupational and Environmental Medicine

National Institute of Environmental Health Sciences

#### **Career Planning Links**

Health Management Careers <http://www.healthmanagementcareers.org>

Public Health Jobs Worldwide <http://www.asph.org/document.cfm?page=728>

Center for Disease Control [http://www.cdc.gov/phtrain/training\\_materials.html](http://www.cdc.gov/phtrain/training_materials.html)

Academe This Week

Academic Employment Network

The Academic Position Network

CDC and ATSDR Employment Opportunities

Averion, Inc.

The California Department of Health Services

Career Opportunities with Eli Lilly & Company

The Commissioned Corps of the U.S. Public Health Service

Environmental Protection Agency Job Announcements

Genentech Job Opportunities

Georgia Department of Human Resources, Division of Public Health

Jobs in Biotechnology

+Jobs California

John Snow Incorporated

Lawrence Berkeley National Laboratory

The Lewin Group

Mayo Clinic Online Career Center

MedWeb: Employment Opportunities

Merck & Co. Career Opportunities

Orkand Corporation Career Opportunities

Pharmametrics GmbH

pharmatech Career Opportunities



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## Public Health

Procter and Gamble Career Center  
Positions in Bioscience and Medicine a service provided by HUM-MOLGEN (Rostock, Germany)  
Public Health Jobs Worldwide  
Science Magazine Classified Ads  
Science Applications International Corporation  
NIH job opportunities  
Public Health Employment Connection  
Yahoo's List of Healthcare Service Companies  
State Health Agencies on the Web  
Department of Health and Human Services Agencies  
NIH's Institutes, Centers, and Divisions  
The National Health Council  
The World Health Organization (WHO)  
The American Public Health Association  
The Society for Public Health Education  
\*The United States Department of Health and Human Services  
The Food and Drug Administration (FDA)  
The National Institutes of Health (NIH)  
The Centers for Disease Control and Prevention (CDC)  
The Indian Health Service (IHS)  
The Health Resources and Services Administration (HRSA)  
The Substance Abuse and Mental Health Services Administration (SAMHSA)  
The Agency for healthcare Research and Quality (AHRQ)



<http://online.onetcenter.org>



<http://www.bls.gov/oco/>