

Oregon Master of Public Health Program Competencies and Curriculum Epidemiology Track

Track Learning Competencies

The objective of the Epidemiology Track is to combine comprehensive training in public health with specific instruction in the principles and methods of epidemiology to prepare theoretically grounded, culturally competent, and technically skilled public health professionals. The Track curriculum builds on the core epidemiology competencies established by the CDC Council of State and Territorial Epidemiologists for applied epidemiology.

Upon satisfactory completion of the MPH Epidemiology Track, students should be able to:

1. Recognize public health problems pertinent to the population and identify key related sources of data.
2. Understand, calculate and apply the basic terms, measures, and methods used in epidemiology.
3. Apply principles of good ethical/legal practice and cultural competency as they relate to study design and data collection.
4. Draw appropriate inferences from epidemiological data including identifying strengths and limitations of reports
5. Apply epidemiologic skills in the formulation or application of public health programs or policies.
6. Assist in communicating findings and developing recommended evidence-based interventions and control measures in response to epidemiologic findings

Curriculum Total Credits: 60

	Credits
OMPH Core Courses 6 credits	
H525 Principles & Practices of Epidemiology	3
H 524 Introduction to Biostatistics	4
H 533 Health Systems Organization	3
H 512 Environmental and Occupational Health	3
H 571 Principles of Health Behavior	3
Track Required Courses 26 credits	
H 526 Epidemiological Methods	3
H 591 Advanced Epidemiology	3
H 591 Epidemiology for Public Health Practice	3
H 591 Infectious Disease Epidemiology	3
H 591 Chronic Disease Epidemiology	3
H 591 Public Health Surveillance	3
HDFS 531 Research in Human Development and Family Sciences II (ANOVA, Experimental Design)	4
HDFS 532 Research in Human Development and Family Sciences III (Multiple Linear Regression, Logistic Regression, Path Analysis)	4
Epidemiology Electives 12-15 credits	
H 607 Workflow Analysis and Data Management	3
H 591 Environmental/Occupational Epidemiology	3
H 591 Social Epidemiology	3
H 591 Current issues in Epidemiology	2
H 515 Research Methods in Health and Safety	3

H 575 Evaluation of Health Promotion and Education Programs	3
H 529 International Health	3
H 591 Fundamentals of Intervention Studies and Clinical Trials	3
H 518 Public Health Ethics and Issues	3
EXXS 699 Physical Activity Epidemiology	3
<i>Elective courses may be chosen from one of the MPH tracks with approval of the student's advisor and the Epidemiology Track Coordinator.</i>	

Field Experience 6 credits

H 510 Internship	6
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Final Oral Examination