

Health Systems, Management & Policy
Global Public Health Information
2019 - 2020

*[http://ucdenver.edu/academics/colleges/PublicHealth/
departments/HealthSystems/Pages/welcome.aspx](http://ucdenver.edu/academics/colleges/PublicHealth/departments/HealthSystems/Pages/welcome.aspx)*

Core HSMP Global Public Health Faculty

Cathy Battaglia PhD, RN	Tobacco Cessation, Leadership, Advocacy, Rural Health
Cathy Bradley PhD	Health Economics and Policy, Disparities, Cancer Health Services Research, Labor Market Outcomes, Health Insurance, Medicare/Medicaid
Meredith Fort PhD, MPH	Global Health, Health Systems Strengthening, Primary Care, Program Evaluation
Richard Lindrooth PhD	Health Economics and Policy, Hospital Industry, Mental Health Services
Beth McManus PhD	Maternal and Child Health, Children's Medicaid, Children with Special Health Care Needs, Access Utilization, and Effectiveness of Part C Early Intervention Services, Systems of Care for Medically Fragile Neonates and Young Infants
Elaine Morrato DrPH	Health Outcomes, Healthcare Dissemination and Implementation, Drug Safety, Risk Management, Mental Health Services
Marcelo Perraiillon PhD	Health Economics and Policy, Aging and Long-Term Care, Health Outcomes, Cost Effectiveness, Mental Health Services
Angela Sauaia MD, PhD	Health Outcomes, Public Health Practices, Health Inequalities, Surgical Outcomes, Trauma Outcomes
Gregory Tung PhD	Injury Prevention, Policy Translation, Public Health Systems
Glen Mays PhD	Preparedness, Health Economics, Health Systems, Health Policy

What HSMP Global Public Health offers for you:

- A public health perspective of globalization and global health issues, programs and best practices.
- Training to use public health methods to address global health challenges.
- Depth in the area of HSMP, which provides training in organization, administration, management and evaluation of public and private sector health programs and health systems.
- Preparation for careers in leadership among a variety of sectors, including government, health care and non-governmental organizations.
- Tools needed to operate programs and organizations effectively.
- Tools to analyze and evaluate health policy.

MPH/ HSMP Global Public Health Requirements

MPH Public Health Core Courses

Applied Biostatistics I	BIOS 6601	3	credits
Social/Community Factors in Health	CBHS 6610	3	
Occupational/Environmental Health	EHOH 6614	3	
Epidemiology	EPID 6630	3	
Foundations in Public Health	PUBH 6600	2	

Total MPH Core Credits

14

HSMP Core Courses

Health Equity	HSMP 6602	3	credits
Health Care Economics	HSMP 6604	3	
Health Policy	HSMP 6605	3	
Cost Benefit/Effectiveness	HSMP 6609	2	
Health Care Financial Mgmt.	HSMP 6610	3	
Intro to Health Policy Analysis	HSMP 6616	1	
Interpreting Health Policy & Management Research	HSMP 6617	2	

One of the following courses:

Public Health Administration	HSMP 6606	2	
Management of Nonprofit Organizations	HSMP 6633	2	

Total HSMP Core Credits

19

Required HSMP GPH Courses

Current Global Health Policy Issues	HSMP 6615	2	
Comparative Health Systems	HSMP 6618	2	

Total Required HSMP GPH Credits

4

Required GPH Courses

Public Health in the Global Community	CBHS 6619	3	credits
Geographic Perspectives on Global Health	EHOH 6623	1	

Total Required GPH Credits

4

Practicum

2

Capstone

2

Total Credits

45

Sample Schedule –(MPH - HSMP Global Public Health Requirements)

Fall Semester—Year 1

Health Care Economics	HSMP 6604	3	credits
Health Care Financial Management	HSMP 6610	3	
Intro to Health Policy Analysis	HSMP 6616	1	
Foundations in Public Health	PUBH 6600	2	
Current Global Health Policy Issues	HSMP 6615	2	
Total Credits		11	

Spring Semester—Year 1

Health Policy	HSMP 6605	3	credits
Comparative Health Systems	HSMP 6618	2	
Public Health Core Course #1		3	
Public Health Core Course #2		3	
Total Credits		11	

Summer Semester—Year 1

Practicum	PUBH 6606	2	credits
Geographic Perspectives on GH	EHOH 6623	1	
Total Credits		3	

Fall Semester—Year 2 (Option 1)

HSMP 6606 (Public Health Administration)

Management Selective

Health Equity	HSMP 6602	3	credits
Public Health Administration	HSMP 6606	2	
Public Health Core Course #3		3	
Public Health Core Course #4		3	
MPH Capstone Preparation	PUBH 6690	1	
Total Credits		12	

Spring Semester—Year 2

Interpreting Health Policy & Management	HSMP 6617	2	credits
Cost Benefit/Effectiveness	HSMP 6609	2	
Public Health in the Global Community	CBHS 6619	3	
<i>Note: offered odd years; may need to swap with a PH core course</i>			
MPH Capstone Integration	PUBH 6995	1	
Total Credits		8	

Total Credits **45**

Fall Semester—Year 2 (Option 2)
HSMP 6633 (Management of Nonprofit Organizations) Management Selective

Health Equity	HSMP 6633	4
GPH Elective Course(s)		2
Public Health Core Course #3		3
Public Health Core Course #4		3
MPH Capstone Preparation	HSMP 6990	1
Total credits		13

Spring Semester—Year 2

Interpreting Health Policy & Management	HSMP 6617	2	credits
Management of Non-Profit Organizations	HSMP 6633	2	
Public Health in the Global Community	CBHS 6619	2	
<i>Note: offered odd years; may need to swap with PH core course</i>			
MPH Capstone Integration	PUBH 6991	1	
Total credits		7	

Total Credits **45**

MPH-HSMP Global Public Health Program Summary

Required Courses (45 out of total 45 Credits)

Course	Credits	Title	PreReq	Fa	Sp	Su
BIOS 6601	3	Applied Biostatistics I		X		X
CBHS 6610	3	Social & Behavioral Factors & Health		X	X	X
CBHS 6619	3	Public Health in the Global Comm.			X	X
EPID 6630	3	Epidemiology		X	X	
EHOH 6614	3	Occupational & Environmental Health		X	X	
EHOH 6623	1	Geographic Perspectives on Global Health				X
PUBH 6600	2	Foundations in Public Health		X	X	X
PUBH 6606	2	Practicum		X	X	X
HSMP 6990	1	MPH Capstone Preparation	Encouraged to take the Fall before graduation	X	X	
PUBH 6991	1	MPH Capstone Integration		X	X	X
HSMP 6602	3	Health Equity		X		
HSMP 6604	3	Health Care Economics **suggested to take this before 6609	HSMP 6616	X		
HSMP 6605	3	Health Policy			X	
HSMP 6610	3	Health Care Financial Management		X		
HSMP 6615	2	Current Global Health Policy Issues ¹		X		
HSMP 6609	2	Cost Benefit/Effectiveness	HSMP 6604		X	
HSMP 6616	1	Intro to Health Policy Analysis **suggested to take this before 6605		X		
HSMP 6617	2	Interpreting Health Policy & Mgmt.			X	
HSMP 6618	2	Comparative Health Systems			X	
Choose one of the following Courses:						
HSMP 6606	2	Public Health Administration	HSMP 6610	X		
HSMP 6633	2	Management of Nonprofit Orgs.			X	

Additional Global Public Health Electives Courses that may be of interest (Beyond the required total 45 credits)

Course	Credits	Title	PreReq	Fa	Sp	Su
CBHS 6629	3	Health and Human Rights (offered odd years)			X	
CBHS 6632	3	Public Health in the Caribbean & Latin America (offed in even years)		X		
CBHS 6633	3	Intensive Study of Public Health Services in Cuba	Instructor Approval		X	
EHOH 6621	3	GIS for PH Research & Practice		X	X	
EHOH 6670	1	Special Topics: Environmental & Occupational Health (Intl. Travel & Health) (*check website)		*	*	*
EPID 6624	2	Public Health Surveillance (offered variable years)	EPID 6630	X		
EPID 6635	2	Communicable Disease Epidemiology	EPID 6630		X	
EPID 6640	2	Investigation of Disease Outbreaks	EPID 6630			X
EPID 6670	2	Special Topics: Epidemiology (Epid. & the Prevention of TB/HIV/STDs) (*check website)	Permission of instructor	*	*	*
HSMP 6608	2	Ethical/Legal Issues in Public Health		X		
HSMP 6630	2	Grant Writing for Pub. Health Prof.	BIOS 6601, EPID 6630 & core course in MPH concentration		X	

Total required Credits for Global HSMP Track: 45 credits

HSMP Required Classes

HSMP 6602 | Health Equity | 3.0 Credits | Campus: AMC - Fall

Addresses health inequities affecting the poor, racial and ethnic minorities, prisoners, rural residents, disabled, GLBTI and other populations. The course studies 1) measurement/data issues in health inequity research; 2) institutionalized, personally mediated and internalized causes; and 3) solutions/challenges.

HSMP 6604 | Health Care Economics | 3.0 Credits | Campus: AMC – Fall

Uses economic theory to analyze and understand the U.S. health care system. Topics include: demand and supply of health and health care, health insurance, hospitals, pharmaceuticals, and physicians. Analyzes institutional and legal incentives that affect physician, patient, and insurer decision-making.

HSMP 6605 | Health Policy | 3.0 Credits | Campus: AMC – Spring

Course focuses on important U.S. health policy issues and the analysis, implementation, communication skills for the practice of health policy. Evaluation is based on in-class labs, group projects, and analysis paper of a health policy case example.

HSMP 6606 | Public Health Administration | 2.0 Credits | Campus: AMC - Fall

Course provides an introduction to public health management and administration. Components aim to stimulate interactions around important problems and issues including managerial decision-making and increasing practical knowledge, tools, and strategies required by organizational decision-makers. Business plans are produced.

HSMP6609 | Cost Benefit and Effectiveness in Health| 3.0 Credits | Campus: AMC – Spring (Prereq: HSMP 6604 or permission of instructor required)

Introduces students to the basics of economic evaluations of health care interventions or technology. Economic evaluations provide a method to assimilate different cost and health outcomes associated with medical treatments into a common metric.

HSMP 6610 | Health Care Financial Management| 3.0 Credits | Campus: AMC – Fall

Students will acquire the tools to incorporate financial, strategic, and mission-based objectives into capital investment decisions. The material also enables students to assess financing options and understand asset valuation techniques, create financial statements and perform pro-forma financial analyses.

HSMP 6615 | Current Global Health Policy Issues| 2.0 Credits | Campus: AMC – Fall

Students should be able to identify major actors and their roles in global health policy; discuss major policy issues focusing on poverty reduction using case study examples; and write a health policy analysis paper for the assessment of the course.

HSMP 6616 | Introduction to Health Policy Analysis and Communication | 1.0 Credit | Campus: AMC – Fall (students take one section for five weeks during the semester)

Introduces a framework for systemically and critically evaluating the health policy literature. Reviews effective oral and written communication skills for presenting policy analyses. Evaluation is based on a written analysis of a policy paper of the student's choosing.

HSMP 6617 | Interpreting Health Policy and Management Research | 2.0 Credits | Campus: AMC – Spring

This course explores the methods used in health policy and management research. Students learn to read and interpret research, with an emphasis on understanding the strengths and weaknesses of different analytical approaches to become an effective consumer of the literature.

HSMP 6618 | Comparative Health Systems | 2.0 Credits | Campus: AMC – Spring

This course provides a framework for students to analyze the different ways that health care is organized and delivered in settings around the world, undertaking a detailed analysis of health care financing, workforce, quality and access, and population health.

HSMP 6633 | Management of Nonprofit Organizations in Public Health | 2.0 Credits | Campus: AMC - Spring

Course introduces nonprofit theory, focuses on nonprofit leadership and management, and explores nonprofit innovation and change within the context of public health. A highly practical and applied approach for students working in the nonprofit sector or with nonprofit partners.

PUBH 6606 | MPH Practicum | 2.0 Credits | Campus: AMC – Fall, Spring, or Summer

HSMP 6990 | MPH Capstone Preparation | 1.0 Credits | Campus: AMC – Fall, Spring or Summer

The purpose of Capstone Preparation is to plan and develop a capstone project idea. By the end of the Capstone Preparation, each student will have submitted a capstone proposal that meets the requirements of the Health Systems, Management and Policy concentration for the MPH Degree and will have a detailed timeline for implementing the Capstone project to bring forward in the Capstone Integration course.

PUBH 6991 | MPH Capstone Integration | 1.0 Credits | Campus: AMC – Fall, Spring or Summer

Biostats Required Classes

BIOS 6601 | Applied Biostatistics I | 3.0 Credits | Campus: AMC – Fall, Summer

Applied biostatistical methods including descriptive and statistical inference; odds ratio and relative risk, probability theory, parameter estimation, tests for comparing statistics of two or more groups, correlation and linear regression and overviews of: multiple and logistic regression and survival analysis.

Community Behavioral Health Sciences Required Classes

CBHS 6610 | Social and Behavioral Factors and Health | 3.0 Credits | Campus: AMC – Fall, Spring, Summer

Considers social, behavioral, and cultural factors that affect the health of individuals and populations and contribute to health disparities. Development, implementation and

evaluation of programs and policies to promote and sustain health environments and lifestyles are examined. Online in summer.

CBHS 6619 | Public Health in the Global Community | 3.0 Credits | Campus: AMC – Spring, Summer

This course is a study of population health issues around the world. It enables students to (1) assess the current health status of a country and (2) understand and critically appraise the magnitude and likely causes of various health-related conditions.

Environmental and Occupational Health Required Classes

EHOH 6614 | Occupational and Environmental Health | 3.0 Credits | Campus: AMC – Fall, Spring

Students will learn about the relationship between the environment, workplace and health. Topics include facets of industrial hygiene, air and water pollution, radiation monitoring, toxicology, occupational medicine, policy, environmental justice and sustainability. Methods include risk assessment, GIS and epidemiology.

EHOH 6623 | Geographic Perspectives on Global Health | 1.0 Credit | Campus: AMC – Spring, Summer

This course will review geographic concepts and tools taking a regional, holistic approach to understanding the world's peoples, places, and processes in order to lay a foundation for an improved knowledge of global health.

Epidemiology Required Classes

EPID 6630 | Epidemiology | 3.0 Credits | Campus: AMC – Fall, Spring

This course provides an introduction to descriptive and analytic methods in epidemiology and their application to research, preventive medicine and public health practice.

Additional Elective courses that may be of interest (Beyond the required total 45 credits)

HSMP 6608 | Ethical/Legal Issues - Public Health | 2.0 Credits | Campus: AMC - Fall

This course explores the legal and ethical dimension of public health. It focuses on topics that generate legal and ethical controversies, including governmental duties to protect citizens, the nature and extent of the government's ability to regulate conduct, and responses to epidemics.

HSMP 6613 | Addressing Health Equity in Colorado's Safety Net | 1.0 Credits | Campus: AMC – Fall

Explores real world health equity challenges as described by today's leaders and features guest lecturers who are leaders of organizations that are actually doing the work in communities across Colorado. Guest lecturers will describe the challenges of providing

high quality medical, oral, behavioral and social services to some of Colorado's most diverse populations.

HSMP 6614 | Maternal and Child Health Program Management & Policy Analysis | 3.0 Credits | Campus: AMC - Fall

Students will learn and apply program management concepts and policy analysis methods to choose among potential policy and programmatic solutions to improve the health outcomes of pregnant women, infants, children, and children with special health care needs.

HSMP 6621 | IPED Development I | 1.0 Credit | Campus: AMC - Spring (permission of instructor required)

This IPED course is part one of a two-semester course for students from public health, dental, medical, nursing and pharmacy schools. Students work in interdisciplinary teams to improve population health and quality of care, reduce costs and provide patient-centered care.

HSMP 6622 | IPED Development II | 1.0 Credit | Campus: AMC - Fall (permission of instructor required)

This IPED course is part two of a two-semester course for students from public health, dental, medical, nursing and pharmacy schools. Students work in interdisciplinary teams to improve population health and quality of care, reduce costs and provide patient-centered care. Syllabus pending.

HSMP 6630 | Grant Writing for Public Health Professionals | 2.0 Credits | Campus: AMC – Spring (Prereq: BIOS 6601, EPID 6630 & core course in student's MPH concentration)

This course focuses on basic skills required to develop, fund and evaluate data-driven, evidence-based public health programs. The course involves the construction of a 3-step logic model: need, intervention, and outcomes. In addition, organization/individual capacity, partnerships, and budget are discussed.

HSMP 6670 | Special Topics | 2.0 Credits | Campus: AMC – Fall, Spring, Summer
See CSPH course schedule for specific times and semesters offered.

HSMP 7010 | Foundations in HSR (seminar) | 1.0 Credit | Campus: AMC – Fall, Spring (permission of instructor required)

Introduces students to the academic health services research literature. This seminar course requires students to participate in small seminars led by faculty on different health services research topics plus attending larger HSMP departmental seminars. Evaluation is based on weekly papers.

HSMP 7605 | Managing a Learning Healthcare System: From Theory to Practice | 3.0 Credits | Campus: AMC - Spring

Students will develop knowledge and skills regarding how to implement and manage a Learning Healthcare System (LHS). A healthcare system is broadly defined, incorporating

services delivered within traditional healthcare settings (e.g. hospitals, clinics) and within community settings that influence the health of the local population. The course will cover the history, current state, and future directions of the field.

**CBHS 6629 | Health and Human Rights | 3.0 Credits | Campus: AMC – Spring
(Restrictions: Offered Odd Years)**

Examines the relationship between health and human rights with an emphasis on the principles of confidentiality, autonomy, justice, and beneficence. Using case studies, students will discuss practical, concrete strategies for improving health and well-being while protecting rights.

**CBHS 6632 | Public Health in the Caribbean and Latin America | 3.0 Credits |
Campus: AMC – Fall (Restrictions: Offered Even Years)**

Course provides overview of global health issues related to community health assessment, program planning and implementation, and program evaluation by providing an intensive study of public health in the Caribbean and Latin America.

**CBHS 6633 | Intensive Study of Public Health Services in Cuba | 3.0 Credits |
Campus: AMC – Spring (Restrictions: Permission of Instructor Required)**

Intensive study of public health system in Cuba, with 2-week trip. Examines health status; public health infrastructure; primary care and prevention services; environmental health; program effectiveness; resource allocation; and social, political, and economic factors influencing health/health services delivery.

**EHOH 6621 | GIS for Public Health Research and Practice | 3.0 Credits | Campus:
AMC – Spring, Fall**

This course will expose students to the fundamentals of Health Geographic Information Systems (GIS), including hands-on software experience, across a variety of application areas in the health sciences, particularly focusing on integrating GIS technologies appropriately into research design and practice.

**EHOH 6670 | Special Topics: Environmental and Occupational Health (International
Travel and Health) | 1.0 Credit | Campus: AMC – Fall, Spring, Summer**

Special interest areas of current environmental and occupational research and practice are presented and analyzed. The course format is lecture and discussion or seminar. Check the CSPH website for offerings and topics for this course each semester.

**EPID 6624 | Public Health Surveillance | 2.0 Credits | Campus: AMC – Fall
(Restrictions: Offered Variable Years; Prereq: EPID 6630)**

This course focuses on characteristics, development, uses, and evaluation of major public health surveillance systems. History, goals, public health authority, analysis, interpretation, dissemination and privacy issues are covered. Key surveillance systems (communicable diseases, vital statistics, injury, cancer) are explored.

**EPID 6635 | Communicable Disease Epidemiology | 2.0 Credits | Campus: AMC –
Spring (Prereq: EPID 6630)**

This course considers the epidemiology of selected communicable diseases. Methods for their prevention and control, and assessment of these methods will be treated primarily through case studies.

EPID 6640 | Investigation of Disease Outbreaks | 2.0 Credits | Campus: AMC – Summer (Prereq: EPID 6630)

The investigation of infectious disease outbreaks requires a range of public health and epidemiologic tools. Students apply descriptive and analytical epidemiologic methods to the detection, investigation and control of foodborne disease outbreaks.

EPID 6670 | Special Topics: Epidemiology (Epidemiology and the Prevention of TB/HIV/STDs) | 2.0 Credits | Campus: AMC – Fall, Spring, Summer

Special interest areas of current environmental and occupational research and practice are presented and analyzed. The course format is lecture and discussion or seminar. Check the CSPH website for offerings and topics for this course each semester.

A complete list of courses is available online at:

<http://www.ucdenver.edu/academics/colleges/PublicHealth/resourcesfor/currentstudents/academics/Pages/CoursesRegistration.aspx>

Practicum and Capstone

Practicum

- Public health experience outside the classroom
- Work with preceptor in a practice setting
- At least 120 hours
- 2 credits (PUBH 6606)
- Requires approval of Preceptor and Concentration Director or Academic Advisor

Practicum Guide:

<http://www.ucdenver.edu/academics/colleges/PublicHealth/resourcesfor/currentstudents/academics/Pages/PracticeBasedLearning.aspx>

Contact: Katie Brumfield, Practicum Specialist –

Colorado.sph.practicum@ucdenver.edu – 303.724.5585 –or–

Heidi O'Mara, Senior Practicum Coordinator – Colorado.sph.practicum@ucdenver.edu – 303.724.5634

Capstone	<p>Capstone Preparation:</p> <ul style="list-style-type: none"> • Capstone proposal preparation in HSMP 6990 (1 credit); define a project idea and develop it into a proposal to be implemented in Capstone Integration, often a continuation of the Practicum • This course will not be offered in the Summer <p>Capstone Integration:</p> <ul style="list-style-type: none"> • Enroll in Capstone Integration: PUBH 6995 • 250-word abstract summarizing the capstone project • Oral presentation at the Public Health Forum • Poster presentation at the Public Health Forum <p>Final written deliverable Capstone Experience Guide:</p> <p>http://www.ucdenver.edu/academics/colleges/PublicHealth/resourcesfor/currentstudents/academics/Pages/PracticeBasedLearning.aspx</p> <p>Requires approval of Academic Advisor and registration code from Capstone Faculty</p> <p>Contact: Beth McManus, PT, MPH, ScD Program Director – Beth.mcmanus@ucdenver.edu and Venice Williams – Venice.Williams@ucdenver.edu</p>
HSMP Contact	<p>Glen Mays, PhD, HSMP Department Chair Glen.mays@cuanschutz.edu – (303) 724-5165</p> <p>Meredith Fort, Global HSMP Program Director Meredith.fort@ucdenver.edu – (303) 724-9591</p>