COLORADO SCHOOL OF PUBLIC HEALTH
Master of Public Health

2016 - 2017

Health Systems, Management & Policy Concentration Information
## Core HSMP Faculty

<table>
<thead>
<tr>
<th>Name</th>
<th>Specializations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adam Atherly, PhD</td>
<td>Health Insurance, Uninsured, Managed Care, Health Care Financing and Cost, Medicare/Medicaid, Health Reform</td>
</tr>
<tr>
<td>Terry Batliner, DDS</td>
<td>Health Management, Health Systems, Quality Improvement and Strategic Research, Reduction of Early Childhood Caries in Native Children, Expansion of Accessible Dental Services to Rural, Inner City and Tribal Communities</td>
</tr>
<tr>
<td>Cathy Battaglia PhD, RN, Co-Director HSR PhD Program</td>
<td>Tobacco Cessation, Leadership, Advocacy, Rural Health</td>
</tr>
<tr>
<td>Cathy Bradley, PhD</td>
<td>Health Economics and Policy, Disparities, Cancer Health Services Research, Labor Market Outcomes, Health Insurance, Medicare/Medicaid</td>
</tr>
<tr>
<td>Richard Lindrooth PhD, Interim Department Chair, Co-Director HSR PhD Program</td>
<td>Health Economics and Policy, Hospital Industry, Mental Health Services</td>
</tr>
<tr>
<td>Beth McManus, PhD</td>
<td>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</td>
</tr>
<tr>
<td>Elaine Morrato, DrPH</td>
<td>Health Outcomes, Healthcare Dissemination and Implementation, Drug Safety, Risk Management, Mental Health Services</td>
</tr>
<tr>
<td>Marcelo Perraillon, PhD</td>
<td>Health Economics and Policy, Aging and Long-Term Care, Health Outcomes, Cost Effectiveness, Mental Health Services</td>
</tr>
<tr>
<td>Angela Sauraia MD, PhD</td>
<td>Health Outcomes, Public Health Practices, Health Inequalities, Surgical Outcomes, Trauma Outcomes</td>
</tr>
<tr>
<td>Gregory Tung, PhD</td>
<td>Injury Prevention, Policy Translation, Public Health Systems</td>
</tr>
</tbody>
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### What HSMP offers for you:

- Preparation for arguably the most important issues facing the US now and in future - e.g., health care reform, aging and Medicare/Social Security
- Training in the organization, administration, management and evaluation of public and private health systems issues
- Preparation for leadership careers in government, health care, and non-governmental organizations
- Tools needed to operate programs and organizations effectively
- Tools to analyze and evaluate health policy
# Basic MPH/HSMP 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 Care Economics  
  HSMP 6604  
  3 credits
- Health Policy  
  HSMP 6605  
  3
- Cost Benefit/Effectiveness  
  HSMP 6609  
  2
- Health Care Financial Mgmt.  
  HSMP 6610  
  3
- Principles in Health Care Mgmt.  
  HSMP 6612  
  2
- Intro to Health Policy Analysis  
  HSMP 6616  
  1
- Interpreting Health Policy & Management Research  

**Total HSMP Core Credits**  
16

## Electives
8

## Practicum
2

## Capstone
2

**Total Credits**  
42
# Sample Schedule (MPH - HSMP)

## Fall Semester, Year 1
- Health Care Economics: HSMP 6604, 3 credits
- Health Care Financial Mgmt.: HSMP 6610, 3 credits
- Intro to Health Policy Analysis: HSMP 6616, 1 credit
- Foundations in Public Health: PUBH 6600, 2 credits
- Public Health Core Course #1: 3 credits

### Total Credits: 12

## Spring Semester, Year 1
- Health Policy: HSMP 6605, 3 credits
- Cost Benefit/Effectiveness: HSMP 6609, 2 credits
- Principles in Health Care Mgmt.: HSMP 6612, 2 credits
- Public Health Core Course #2: 3 credits

### Total Credits: 10

## Summer Semester, Year 1
- Practicum: PUBH 6606, 2 credits

### Total Credits: 2

## Fall Semester, Year 2
- Public Health Core Course #3: 3 credits
- Public Health Core Course #4: 3 credits
- HSMP Elective #1: 2 credits
- HSMP Elective #2: 2 credits

### Total Credits: 10

## Spring Semester, Year 2
- Interpreting Health Policy & Mgmt.: HSMP 6617, 2 credits
- MPH Capstone Project: PUBH 6955, 2 credits
- HSMP Elective #3: 2 credits
- HSMP Elective #4: 2 credits

### Total Credits: 8

**MPH Total Credits:** 42
# MPH-HSMP Program Summary

## Required (34 Credits)

<table>
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<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
<th>PreReq</th>
<th>Fa</th>
<th>Sp</th>
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<td>BIOS 6601</td>
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<td>Applied Biostatistics I</td>
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<td>HSMP 6610</td>
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<td>Principles in Health Care Mgmt.</td>
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<td>HSMP 6616</td>
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<td>Interpreting Health Policy &amp; Management Research</td>
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## Electives (8 credits)

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<td>Instructor Permission</td>
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<td>HSMP IPED Development</td>
<td>Instructor Permission</td>
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<td>HSMP 6633</td>
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<td>HSMP 6634</td>
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<td>Mgmt., Budgeting and PH Admin.</td>
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<td>HSMP 6670</td>
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<td>Special Topics: See course schedule for specific times offered</td>
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<td>HSMP 7010</td>
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<td>Foundations in HSR Seminar</td>
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<td>HSMP 7607</td>
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<td>Methods in Health Services Research I</td>
<td>BIOS 6611</td>
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<td>Methods in Health Services Research II</td>
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**HSMP Core and Elective Options**

**HSMP 6601 | Introduction to HSMP | 3.0 Credits | Campus: AMC – Spring, Summer (HSMP non-majors only)**

Provides an introduction to health systems, management and policy. Topics include the financing and organization of the U.S. healthcare system; introduction of health policy, including stakeholder analysis; and basic managerial skills, including human resources and budgeting.

**HSMP 6602 | Health Equity | 2.0 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.

**HSMP 6607 | Current Legal Issues in Health Care | 2.0 Credits | Campus: AMC - Spring**

Course trains students in foundational Constitutional principles that guide public health law at the state and federal levels. It also explores cornerstone public health law problems and encourages analysis of contemporary legal questions in public health and health care administration.
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 6609 | Cost Benefit and Effectiveness in Health| 2.0 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 6611 | Strategic Management in Health Care | 2.0 Credits | Campus: AMC – Spring
Students will learn the principles of competition, strategic analysis and management, and will develop important skills necessary to analyze the healthcare environment and adapt strategies, systems, products, services and culture to effectively manage healthcare organizational change and renewal.

HSMP 6612 | Principles of Health Care Management | 2.0 Credits | Campus: AMC - Spring
Course develops business knowledge and skills to work effectively in healthcare. Covers staffing/human resource issues along with QA and quality improvement approaches and tools to analyze real world data. Through original cases, the establishment of a healthcare firm is explored.

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 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, (HSMP majors)
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 6621 | HSMP IPED Development | 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 | HSMP IPED Development | 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.

HSMP 6630 | Grant Writing for Public Health Professionals | 2.0 Credits | Campus: AMC – Spring
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 is discussed.
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.

HSMP 6634 | Management, Budgeting and Public Health Administration | 3.0 Credits | Campus: AMC – Fall
This course is designed to prepare public health professionals for management and administration of public health programs and community initiatives. Content addresses program planning, development, budgeting, management and evaluation.

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 7607 | Methods in Health Services Research I | 3.0 Credits | Campus: AMC – Spring (Prereq: BIOS 6611)
The first of a 2-course sequence in empirical methods in health services research. The statistical theory underlying basic empirical methods and the thoughtful implementation/practice of these methods are emphasized. Topics covered include: OLS, Gauss-Markov assumptions, logit/probit. Stata will be used.

HSMP 7609 | Methods in Health Services Research II | 3.0 Credits | Campus: AMC – Fall (Prereq: HSMP 7607)
Students will learn how to specify and estimate econometric models to test theory-driven hypotheses. The course builds on HSMP 7607 and covers advanced methods related to panel/longitudinal, multinomial, survival, and count data models. Stata software will be used.

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](http://www.ucdenver.edu/academics/colleges/PublicHealth/resourcesfor/currentstudents/academics/Pages/PracticeBasedLearning.aspx)

Contact: Olivia Jolly, Practicum Director - olivia.jolly@ucdenver.edu

**Capstone**

Two Options:
- Capstone project and coursework in PUBH 6955 (most common - 1 credit for project, 1 credit for Capstone activities); a concrete product is produced, often a continuation of the Practicum
- Publishable research paper (less common - requires 3 Research Paper credits, with 2 taken from the 8 electives, and 1 credit for Capstone activities)

Capstone Activities:
- Oral presentation at [Public Health Forum](http://www.ucdenver.edu/academics/colleges/PublicHealth/resourcesfor/currentstudents/academics/Pages/PracticeBasedLearning.aspx)
- Poster presentation at [Public Health Forum](http://www.ucdenver.edu/academics/colleges/PublicHealth/resourcesfor/currentstudents/academics/Pages/PracticeBasedLearning.aspx)
- Final report that describes the project in more detail

Capstone Experience Guide: [http://www.ucdenver.edu/academics/colleges/PublicHealth/resourcesfor/currentstudents/academics/Pages/PracticeBasedLearning.aspx](http://www.ucdenver.edu/academics/colleges/PublicHealth/resourcesfor/currentstudents/academics/Pages/PracticeBasedLearning.aspx)

Contact: Olivia Jolly, Capstone Director - olivia.jolly@ucdenver.edu

**HSMP Contact**
- Health Systems Management & Policy (HSMP) - MPH
- Health Systems Management (HSM) - MPH
- Global Public Health (HSMP) – MPH
- Health Services Research (HSR) - MPH
- Health Services Research (HSVR) – MS
  [http://www.ucdenver.edu/academics/colleges/PublicHealth/Academics/departments/HealthSystems/Pages/welcome.aspx](http://www.ucdenver.edu/academics/colleges/PublicHealth/Academics/departments/HealthSystems/Pages/welcome.aspx)

Stephanie Cross, HSMP Department Administrator
stephanie.cross@ucdenver.edu - (303) 724-9263