



Master of Public Health 45-Credit Program

2020-2021 MPH CURRICULUM GUIDE



HARVARD
T.H. CHAN

SCHOOL OF PUBLIC HEALTH
Powerful ideas for a healthier world

hsph.me/mpg-curr-guide

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Every effort is made to ensure the information contained in this guide is accurate at the time of printing and posting. However, the curriculum, including degree requirements, courses, faculty, and program policies are subject to modification as deemed necessary by the Harvard T.H. Chan School of Public Health to provide students with the most meaningful educational experience and to remain current with professional standards and guidelines. This version of the MPH-45 Curriculum Guide only pertains to students matriculating in summer or fall 2020.

MPH LEADERSHIP AND ADMINISTRATION

The master of public health program is a school-wide degree program governed by the [MPH Steering Committee](#) and supported by the [Office of Educational Programs](#) and the academic department(s) related to each of the fields of study.

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	Field of Study Leader	Academic Administrator(s)
Clinical Effectiveness (CLE)	Heather Baer hbaer@bwh.harvard.edu	Emily Davies and Cleo Hereford mph@hsph.harvard.edu
Epidemiology (EPI) (Online/On-Campus)	Heather Baer hbaer@bwh.harvard.edu	Stephanie Lemoine mphepi@hsph.harvard.edu
Global Health (GH)	Jennifer Leaning jleaning@hsph.harvard.edu Shekhar Saxena ssaxena@hsph.harvard.edu	Allison Conary aconary@hsph.harvard.edu Barbara Heil bheil@hsph.harvard.edu
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Occupational & Environmental Health (OEH)	Stefanos Kales skales@hsph.harvard.edu	Barbara Zuckerman bzuckerm@hsph.harvard.edu
Quantitative Methods (QM)	Murray Mittleman mmittlem@hsph.harvard.edu	Emily Davies and Cleo Hereford mph@hsph.harvard.edu

HARVARD CHAN ESSENTIAL RESOURCES FOR STUDENTS

MPH PROGRAM OFFICE – OFFICE OF EDUCATIONAL PROGRAMS (MPH-OEP OFFICE)

hsph.me/mph-program-team

677 Huntington Avenue, Kresge G-29
Boston, MA 02115

mph@hsph.harvard.edu

617-432-0090

- **Department Program Head Signature (for General Petitions and other forms):**
Anne Occhipinti, Kresge G-29 or mph@hsph.harvard.edu
- **MPH Public Health Core Contact:** Sarah Stillman, stillman@hsph.harvard.edu
- **ID 201 Waivers:** Waiver of Core Courses Form (hsph.me/registrar-forms)
- **Field of Study Waiver and Substitution Requests:** MPH-OEP Office (mph@hsph.harvard.edu), Field of Study Leader, and Academic Administrator(s)

REGISTRAR'S OFFICE || hsph.me/registrar

Kresge G-4 Suite

registrar@hsph.harvard.edu

617-432-1032

- **Academic Calendar:** hsph.me/academic-calendar
- **Harvard Course Catalog:** my.harvard.edu
- **Student Handbook:** hsph.me/student-handbook
- **Student Knowledge Center:** hsph.me/knowledge-center (information about course enrollment, cross-registration, etc.)

OFFICE FOR ALUMNI AFFAIRS || hsph.me/alumni-office

90 Smith Street, Fourth Floor

alumni@hsph.harvard.edu

OFFICE OF CAREER AND PROFESSIONAL DEVELOPMENT || hsph.me/career-services

Kresge G-4 Suite

careers@hsph.harvard.edu

OFFICE OF DIVERSITY AND INCLUSION || hsph.me/diversity

Kresge G-4 Suite

odi@hsph.harvard.edu

OFFICE OF FINANCIAL AID || hsph.me/fin-aid-office

Kresge G-4 Suite

financialaid@hsph.harvard.edu

OFFICE OF REGULATORY AFFAIRS AND RESEARCH COMPLIANCE || hsph.me/orarc

- Contact for Institutional Research Board (IRB) approval

OFFICE FOR STUDENT AFFAIRS || hsph.me/student-affairs

Kresge G-4 Suite

studentaffairs@hsph.harvard.edu

- **Housing Resources:** hsph.me/housing
- **Student Support Services:** hsph.me/support-services

DEGREE REQUIREMENTS AND PROGRAM POLICIES

DEGREE REQUIREMENTS

All MPH-45 students must fulfill the following requirements regardless of their field of study:

- **45 credits** minimum
 - In response to the COVID-19 pandemic, the School has added a pass/fail option for all Harvard Chan courses offered in fall 2020 (Fall, Fall 1, and Fall 2). MPH students may choose to take any of their credits during the fall 2020 semester as pass/fail. If an MPH student chooses to do so, they may take up to an additional 12.5 credits as pass/fail during the remainder of their MPH program
 - The pass/fail policy for spring 2020 has not yet been determined. Clear guidance will be sent once available
 - Independent studies are only p/f
- Successful completion of all courses required by your field of study
- Applied Practice Experience
- Integrative Learning Experience
- Cumulative grade point average of at least 2.7

PROGRAM POLICIES FOR MPH-45 STUDENTS

Below are the main program policies that apply to all academic year (residential) MPH-45 students, regardless of their field of study:

- Can take a maximum of **27.5 credits** in fall and spring semesters
- Limited to a maximum of **3.75 online credits of MPH-EPI courses** (see p. 35) **in any semester** with a maximum of **10 online credits of MPH-EPI courses overall** out of the required 45 credits for the MPH degree
- All full-time MPH students are expected to participate in a Winter Session activity that furthers their educational goals and is approved by the MPH-OEP Office. To learn more, visit hsph.me/mpw-winter-session

ACADEMIC DEADLINES & HARVARD EMAIL

Students are responsible for knowing and meeting all deadlines and regularly reading their Harvard email. The School's academic calendar is posted on the Registrar's Office website (hsph.me/academic-calendar).

TRANSFER CREDITS, WAIVERS, & SUBSTITUTIONS

The Harvard Chan School does not accept transfer credits from other academic institutions. However, students who have taken equivalent courses at another School of Public Health may petition to waive or substitute a requirement. If a waiver or substitution is approved, the MPH-45 student must still fulfill the 45 credit minimum requirement in order to graduate. If students want to transfer non-degree credits earned at the Harvard Chan School, they must submit a Non-Degree Credit Transfer Form (hsph.me/registrar-forms). Students may petition to transfer a maximum of 20 non-degree Harvard Chan credits to their degree program.

FIELD OF STUDY CHANGES

For questions about requesting to change your field of study, visit hsph.me/mpf-fos-changes or contact the MPH-OEP Office (mpf@hsph.harvard.edu).

STUDENT STATUS (FULL-TIME, PART-TIME, & HALF-TIME)

Adjusting your credit load may affect your student health insurance, billing, graduation date, student loans, grants, scholarships, and/or student visa (if applicable). Therefore, students considering changing their credit load may want to contact the following offices:

1. MPH-OEP Office – mpf@hsph.harvard.edu
2. Registrar's Office – registrar@hsph.harvard.edu
3. Office of Financial Aid – financialaid@hsph.harvard.edu
4. Harvard International Office (Elizabeth Capuano) – elizabeth_capuano@harvard.edu

THE HARVARD CHAN SEMESTER-BASED SYSTEM

The Harvard Chan School uses a semester-based system. For more information, see hsph.me/navigating-your-field-of-study.

ENROLLING IN ONLY ONE SESSION IN A SEMESTER

Academic year (residential) students planning to only enroll in Fall 2 or Spring 2 courses must still enroll in those courses by the Fall/Fall 1 or Spring/Spring 1 add/drop deadline or otherwise risk being withdrawn from degree candidacy. Students who enroll in Winter Session courses are considered enrolled for the spring semester.

LEAVE OF ABSENCE

Students who do not wish to enroll in ANY credits in a specific semester must apply for a leave of absence or risk being withdrawn from degree candidacy. If planning to take a leave, students should contact the MPH-OEP Office. The student will need to complete a Leave of Absence Petition (hsph.me/registrar-forms).

BILLING & ENROLLMENT

Course enrollment and pre-paying your tuition bill are closely connected at the Harvard Chan School. For questions about tuition or student billing, visit the Student Billing website (hsph.me/student-billing) or contact the Registrar's Office (hsph.me/registrar). To discuss your student status and implications for credit load minimums and maximums, contact the Registrar's Office (registrar@hsph.harvard.edu).

Academic Year Full-Time Students

MPH-45 students are required to complete a minimum of 45 credits in a one-year program. Therefore, students are generally advised to register for approximately 22.5 – 25 credits per semester.

Academic Year Part-Time Students

Part-time students in the MPH-45 program typically complete the degree over 2-3 years (maximum of 3 years).

International Students

International students who are on a student visa may not be part-time. If you have questions regarding your student visa, please speak with the Harvard International Office (HIO) (elizabeth_capuano@harvard.edu) and with the Registrar's Office (hsph.me/registrar).

MASTER OF PUBLIC HEALTH: PROGRAM OVERVIEW

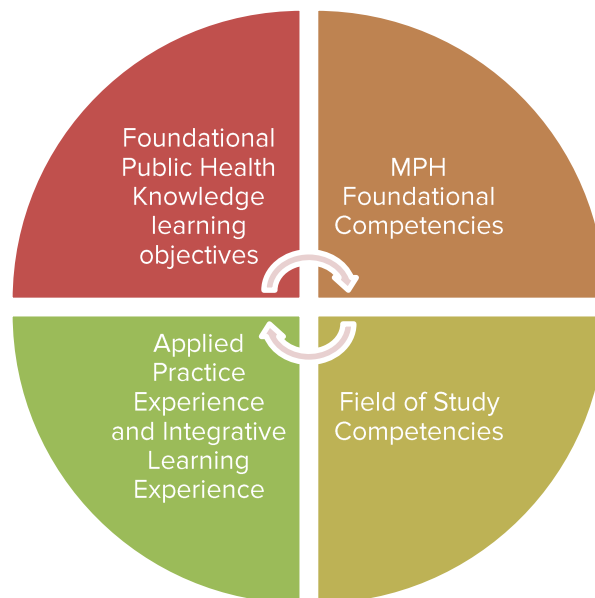
The MPH degree is the most widely recognized professional credential for leadership in public health. The MPH curriculum emphasizes active, student-directed learning, problem solving, and the acquisition of skills essential to the practice of public health. The program is organized around the Foundational Public Health Knowledge learning objectives, the MPH Foundational Competencies, the Applied Practice Experience, and the Integrative Learning Experience laid out by the Council on Education for Public Health (CEPH). Students pursue a career-oriented field of study. Each field of study has defined five distinct competencies that enhance the 12 Foundational Public Health Knowledge learning objectives and the 22 MPH Foundational Competencies.

HARVARD CHAN'S COMPETENCY AND APPLICATION-BASED MPH CURRICULUM

The MPH public health core curriculum is developed in accordance with the Council on Education for Public Health's 12 Foundational Public Health Knowledge learning objectives and 22 MPH Foundational Competencies required of all students receiving an MPH degree at accredited institutions. To learn more, visit hsph.me/mph-competencies.

The Foundational Public Health Knowledge learning objectives and the MPH Foundational Competencies are primarily met through the Harvard Chan MPH public health core curriculum, the Applied Practice Experience, and the Integrative Learning Experience.

The Harvard Chan MPH Degree



MPH PUBLIC HEALTH CORE CURRICULUM



MPH PUBLIC HEALTH CORE CURRICULUM

The MPH public health core curriculum is comprised of a school-wide online course, ID 100, *Foundations for Public Health*; the biostatistics and epidemiology core; and five courses in other foundational public health areas.

Part-time MPH students are strongly encouraged to complete the MPH public health core curriculum in the fall semester of their first year to ensure early grounding in the foundational principles of public health.

BIostatISTICS AND EPIDEMIOLOGY CORE				
Course Number	Title	Semester	Credits	Fields of Study
Integrated Biostatistics and Epidemiology (7.5 credits)				
ID 201	Core Principles of Biostatistics and Epidemiology for Public Health Practice	Fall only	7.5	GH, HM, HP, HSB, OEH
Advanced Biostatistics and Epidemiology (10 credits)* The advanced biostatistics and epidemiology option outlined below is required for students in the Quantitative Methods field of study.				
BST 201	Introduction to Statistical Methods	Fall	5.0	Required: QM
EPI 201 & EPI 202	Introduction to Epidemiology: Methods I Epidemiologic Methods II: Elements of Epidemiologic Research	Fall 1 Fall 2	2.5 2.5	
Summer Start Option (7.5 – 10 credits)				
To fulfill biostatistics and epidemiology core requirements in summer: <ul style="list-style-type: none">QM students take BST 202 (Summer 1), BST 203 (Summer 2), EPI 500 (Summer 1), and EPI 202S (Summer 2)MPH-45 students in other fields of study take BST 202, BST 203, and EPI 500				

*Pending instructor permission and no course conflicts with field of study requirements, MPH-45 students in other fields of study may choose the advanced sequence, **totaling 10 credits**, to fulfill their biostatistics and epidemiology core requirements in lieu of ID 201.

MPH PUBLIC HEALTH CORE				
Course Number	Title	Semester	Credits	Notes
<i>Students will be automatically given access to the course materials via Canvas on July 20th. To receive credit for this course, students must enroll in ID 100 via my.harvard in Fall 1 2020.</i>				
ID 100	Foundations for Public Health	Summer & Fall 1	1.0 (Pass/Fail Only)	Must be completed in summer and Fall 1 2020.
<i>No waivers or substitutions will be allowed, except as noted below. It is highly recommended that you take all five courses in your first fall semester. If this is not possible, students must take MPH 101, and are encouraged to prioritize MPH 103 and MPH 105.</i>				
MPH 101	MPH Qualitative Methods for Public Health	Fall	Non-credit (Pass/Fail Only)	Must be completed in fall 2020.
MPH 102	Health Systems	Fall 1	1.25	Not required for GH students.
MPH 103	Leadership and Communication	Fall 1 – Wednesdays	2.5	
MPH 104	Social, Behavioral, and Structural Determinants of Health	Fall 2	1.25	Not required for HSB students.
MPH 105	Public Health Policy and Politics	Fall 2 - Mondays	1.25	Not required for HP students.

ID 100, Foundations for Public Health

All MPH students are required to complete a school-wide online course, ID 100, *Foundations for Public Health*. This course will begin on July 20th and will run through Fall 1. Students will be automatically given access to the first portion of the course materials via [Canvas](#), and can complete this part of the course at their own pace. The remainder of the course will be available at the beginning of Fall 1. To receive credit for this course, students must enroll in ID 100 via [my.harvard](#) prior to the Fall/Fall 1 add/drop deadline. The course instructor, Professor Sue Goldie, will hold a synchronous session during Fall Orientation on Monday, August 24th from 10:15 – 11:15am ET, which will be recorded for students who are unable to attend live.

MPH 101 – 105, MPH Public Health Core

All MPH students are required to complete MPH 101 in fall 2020. This course is a self-paced, non-credit course, which is expected to take approximately 10 hours.

It is highly recommended that students complete the MPH 102-105 core courses in their first fall semester. Students who are unable to complete all of these courses in their first fall semester are recommended to prioritize MPH 103 and MPH 105 (if required) in fall 2020.

Students in some fields of study may be exempt from one of the MPH 102-105 core courses because the competencies are covered by their other field of study requirements. Students should look specifically at their field of study section for more details.

APPLIED PRACTICE AND INTEGRATIVE LEARNING EXPERIENCE

Each field of study in the MPH program requires 1) an Applied Practice Experience (APE) (“Practicum”), and 2) an Integrative Learning Experience (ILE) (previously referred to as a “Culminating Experience”), which are components of a practice course or seminar course for each field of study. All MPH students at accredited Schools of Public Health in the U.S. must complete these two degree requirements. The following guidelines may vary slightly by field of study.

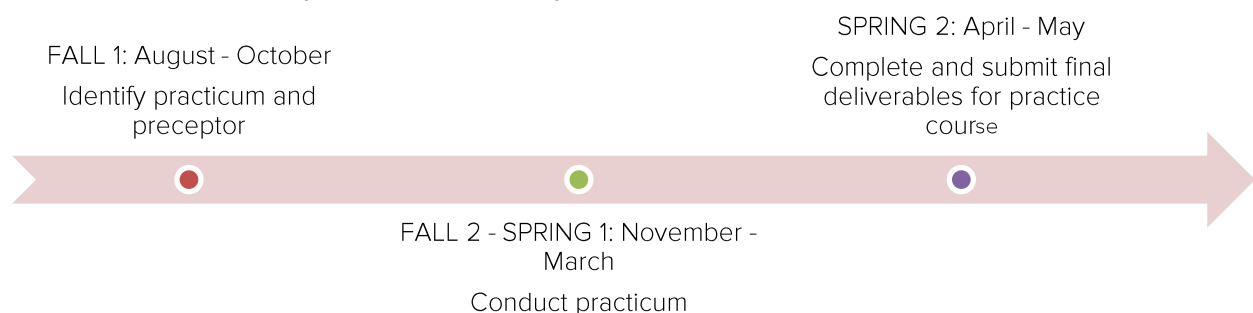
APPLIED PRACTICE EXPERIENCE

All MPH-45 students complete a minimum of 120 hours toward their Applied Practice (AP) Experience, referred to as a “Practicum” or field placement. The Practicum is generally completed by working on a project under the guidance of a preceptor at an outside organization. The objectives of the Practicum are to help you integrate, synthesize, and apply the knowledge and competencies from your program coursework to a real world public health problem or issue; explore a substantive public health topic that is of interest to you; and enhance the skills needed to function in a professional public health setting.

Part-time students must arrange their Practicum timeframe and practice course enrollment with the approval of their practice course instructor. Part-time students are encouraged to meet with the Practice Office to discuss proposed arrangements before finalizing their plans with their practice course instructor.

Timeline for Applied Practice Experience

Students in the **Global Health, Health Management, Health Policy, Health and Social Behavior, Occupational and Environmental Health, and Quantitative Methods** fields of study will complete a 120-hour Practicum during the academic year to meet the degree requirement. The majority of the Practicum work takes place between November and March, with presentations in April and May. It is the responsibility of the student to identify their practicum project; students are encouraged to meet individually with their practice course instructor early in the academic year to discuss their interests.



Students in the **Clinical Effectiveness** and **Epidemiology** fields of study should refer to their respective curriculum guides for Applied Practice Experience and Integrative Learning Experience information.

Learning Agreement

Prior to starting a Practicum, students must complete a draft Learning Agreement which outlines the scope, deliverables, work plan, and timeframe for the project. After review by faculty, Learning Agreements are submitted through the CareerConnect web portal and electronically signed by the student, the preceptor, and the practice course instructor.

Applied Practice Experience Products

Students will submit a minimum of two products that they produce during their Practicum to demonstrate a total of five competencies that are defined by each field of study. The list of competencies will include three foundational competencies and two field of study-specific competencies.

Resources for Identifying a Practicum

Practica and abstracts from previous years: [hsph.me/mph-prior-practice](https://hsph.harvard-csm.symplicity.com/students)

CareerConnect: <https://hsph.harvard-csm.symplicity.com/students>

International Students

International students should consult with Elizabeth Capuano (elizabeth_capuano@harvard.edu) in the Harvard International Office about practicum-related student visa questions and documentation.

INTEGRATIVE LEARNING EXPERIENCE

The Integrative Learning Experience (ILE), previously referred to as the “Culminating Experience”, includes self-assessment, critical reflection on students’ professional growth, and demonstration of attainment of the MPH Foundational Competencies and specific field of study competencies. These competencies, listed online (hsph.me/mph-competencies), are achieved through successful coursework, field practice, extracurricular activities, and other learning opportunities that students identify independently.

All students complete a baseline and endpoint survey to self-assess their MPH competencies.

A reflection paper, presentation, class-based activity, and/or other assignments are determined by each field of study to demonstrate a competency-based integrative learning experience.

FOR MORE DETAILS

Field Practice website: hsph.me/field-practice

MPH Field Practice Office email: mph-practice@hsph.harvard.edu

FIELD OF STUDY CURRICULA

NAVIGATING YOUR FIELD OF STUDY

The following sections provide more detailed information for each field of study, including an **overview**, field of study **competencies**, and the field of study **curriculum** that is designed to help students achieve those competencies. A **sample schedule** is also provided.

A portion of the MPH-OEP Office website (hsph.me/mpg-online-curriculum-guide) is designed to supplement the MPH Curriculum Guide and provides students with additional details on **required**, **recommended**, and/or suggested **elective** courses for some fields of study. Students are encouraged to carefully review the field of study requirements and consult with their faculty advisor to choose elective courses best suited to their needs.

ADVISING

Assignment of academic advisors is guided by the student's interests. Students may request a change of advisor once the term begins and should contact the MPH-OEP Office with any advising concerns. The MPH-OEP Office is a good resource for questions regarding the MPH public health core curriculum and graduation. Faculty advisors, field of study leaders, departmental faculty with particular areas of expertise, and academic administrators can all serve as advisors in unofficial capacities too. For more resources on planning your program, visit hsph.me/navigating-your-field-of-study.

INTERDISCIPLINARY CONCENTRATIONS

To learn more, visit hsph.me/interdisciplinary-concentrations.

TRACKING YOUR DEGREE PROGRESS

The MPH-OEP Office offers degree audit tracking sheets for each field of study (hsph.me/mpg-degree-tracking).

GRADUATION

Completion of the MPH public health core curriculum and field of study requirements for the MPH degree is monitored by the MPH-OEP Office. It is the student's responsibility to proactively reach out to the MPH-OEP Office, field of study leader, and/or academic administrator(s) if any concerns arise.

FIELD OF STUDY: GLOBAL HEALTH

CURRICULUM OVERVIEW

The **Global Health (GH) field of study** is intended to prepare health professionals with prior relevant global health experience for leadership and management roles in global health at subnational, national, or international levels. Students learn from the required MPH public health core curriculum as well as required courses in global health challenges and strategies, economic and political analysis, and ethics. While “global” is understood to include environments of all types, including highly developed economies, the primary focus of courses included in this curriculum is on lower- and middle-income countries. Students must also complete an approved Applied Practice Experience and an Integrative Learning Experience (previously Practice and Culminating Experience). Students have some credits available for elective courses, which may be taken at the Harvard Chan School or by cross-registering.

COMPETENCIES

- Evaluate and apply qualitative and quantitative research methods for analyzing a wide variety of global health challenges and settings
- Design and evaluate global health interventions under different circumstances with different objectives, including their relationship with health system reform
- Develop public health policies to reflect technical, normative, and political considerations
- Design communication and implementation strategies, including leadership capacities for influencing public health action
- Describe various ethical perspectives for understanding the values and consequences of public health policies and decisions; and analyze the ethical dimensions of public health problems, policies, and systems according to these perspectives

MPH-45 in Global Health



MPH-45 in Global Health

CURRICULUM REQUIREMENTS

Course Number	Title	Credits	Semester
MPH PUBLIC HEALTH CORE CURRICULUM (13.5 credits)			
To learn more about the MPH public health core curriculum, see pp. 7-8.			
Fall (13.5 credits)			
Note: GH students are exempt from MPH 102.			
ID 100	Foundations for Public Health (Coursework begins in summer)	1.0	Fall 1
ID 201	Core Principles of Biostatistics and Epidemiology for Public Health Practice	7.5	Fall
MPH 101	MPH Qualitative Methods for Public Health	Non-credit	Fall
MPH 103	Leadership and Communication	2.5	Fall 1
MPH 104	Social, Behavioral, and Structural Determinants of Health	1.25	Fall 2
MPH 105	Public Health Policy and Politics	1.25	Fall 2
FIELD OF STUDY REQUIREMENTS (17.5 credits)			
Fall (8.75 credits)			
GHP 230	Introduction to Economics with Applications to Health and Development	2.5	Fall 1
GHP 557	Fundamentals of Global Health	5.0	Fall
GHP 945A	Practice and Culminating Experience for GH	1.25	Fall 1
Spring (1.25 credits)			
GHP 945B	Practice and Culminating Experience for GH	1.25	Spring 2
Additional GH Requirements (7.5 credits)			
Ethics in Global Health Practice: Choose <u>one</u> of the approved courses below.			
ID 250	Ethical Basis of the Practice of Public Health	2.5	Fall 1
GHP 293	Individual and Social Responsibility for Health		Fall 2
GHP 265	Ethics of Global Health Research		Spring 2
GHP Coursework: Complete 5.0 credits offered by the Dept. of Global Health and Population.			
Varies	Students must complete an additional 5 credits of GHP coursework beyond the field of study requirements. Students are encouraged to develop specific strengths by focusing some of their GHP coursework either via <i>interdisciplinary concentrations</i> or via a sequence of courses in a particular theme such as Global Health Systems; Humanitarian Studies, Ethics, and Human Rights; or Population and Family Health. Please contact the GHP Education Office, aconary@hsph.harvard.edu , for the list of approved course options.	5.0	Fall &/or Spring
ELECTIVES (14 credits)			
To view a sample list of cross-registration electives, visit hsph.me/mps-suggested-cross-reg-electives			

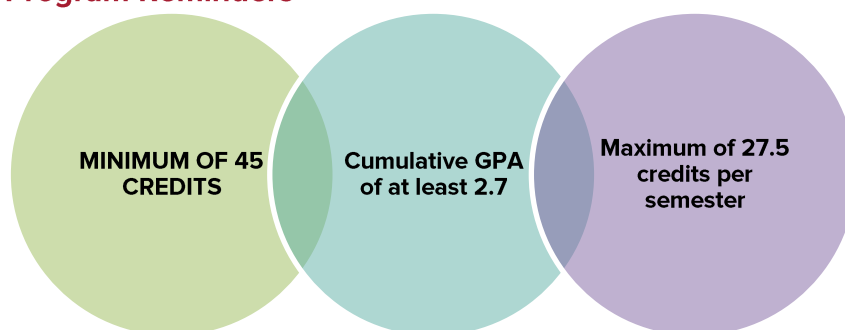
TOTAL 45 CREDITS

Notes for Students

In circumstances where a field of study requirement is waived by the field of study leaders, students must still complete a minimum of 17.5 credits within the Department of Global Health and Population.

All full-time MPH students are expected to participate in a Winter Session activity that furthers their educational goals and is approved by the MPH-OEP Office. To learn more, visit hsph.me/mpw-winter-session.

Important Program Reminders



Sample Curriculum for MPH-45 in GH (45 credits taken over one academic year)

FALL			WINTER	SPRING		
ID 100	Foundations for Public Health <i>(Coursework begins in summer)</i>	1.0cr	GH Travel Course (possibly)	Varies	Ethics in Global Health Practice Requirement	2.5cr
ID 201	Core Principles of Biostatistics and Epidemiology for Public Health Practice	7.5cr		Varies	Additional GHP Coursework Requirement	5.0cr
MPH 101	MPH Qualitative Methods for Public Health	Non-credit		GHP 945B	Practice and Culminating Experience for GH	1.25cr
MPH 103	Leadership and Communication	2.5cr				
MPH 104	Social, Behavioral, and Structural Determinants of Health	1.25cr		Work on Practicum		
MPH 105	Public Health Policy and Politics	1.25cr				
GHP 230	Introduction to Economics with Applications to Health and Development	2.5cr				
GHP 557	Fundamentals of Global Health	5.0cr				
GHP 945A	Practice and Culminating Experience for GH	1.25cr				
Electives		1.25cr				
TOTAL CREDITS	23.5 credits		21.5 credits (includes Winter Session)			

END OF PROGRAM = 45 credits

END OF PROGRAM = 45 credits

FIELD OF STUDY: HEALTH MANAGEMENT

CURRICULUM OVERVIEW

The **Health Management (HM) field of study** prepares students for management careers in the unique environment of health care. The curriculum for the health management field of study consists of the required MPH public health core curriculum as well as required coursework to develop competency in financial literacy, strategic acumen, innovative thinking, and change leadership. Students must also complete an approved Applied Practice Experience and an Integrative Learning Experience (previously Practice and Culminating Experience). Students have some credits available for elective courses, which may be taken at the Harvard Chan School or by cross-registering.

COMPETENCIES

- Analyze and explain financial and accounting information
- Evaluate budgets and make sound short- and long-term investment decisions within a health care environment
- Synthesize implications and insights and draw conclusions regarding economic, demographic, ethno-cultural, political, legal, and regulatory trends
- Integrate deep understanding of community and stakeholder needs, recognize resulting business opportunities and develop creative solutions and operational plans to address those unmet needs
- Critically evaluate organizational structures, culture, processes, and performance to initiate and sustain meaningful organizational change

MPH-45 in Health Management



MPH-45 in Health Management

CURRICULUM REQUIREMENTS

Course Number	Title	Credits	Semester
MPH PUBLIC HEALTH CORE CURRICULUM (14.75 credits)			
To learn more about the MPH public health core curriculum, see pp. 7-8.			
Fall (14.75 credits)			
ID 100	Foundations for Public Health (Coursework begins in summer)	1.0	Fall 1
ID 201	Core Principles of Biostatistics and Epidemiology for Public Health Practice	7.5	Fall
MPH 101	MPH Qualitative Methods for Public Health	Non-credit	Fall
MPH 102	Health Systems	1.25	Fall 1
MPH 103	Leadership and Communication	2.5	Fall 1
MPH 104	Social, Behavioral, and Structural Determinants of Health	1.25	Fall 2
MPH 105	Public Health Policy and Politics	1.25	Fall 2
FIELD OF STUDY REQUIREMENTS (17.5 credits)			
Fall (11.25 credits)			
HPM 219	Financial Transactions and Analysis	2.5	Fall 1
HPM 220	Financial Management and Control	2.5	Fall 2
HPM 539	Health Care Organizations and Organizational Behavior	2.5	Fall 1 or Fall 2
Innovation: Choose <u>one</u> of the approved courses below.			
HPM 282	Innovative Problem Solving and Design Thinking in HC	2.5	Fall 1
HPM 557	Innovation and Entrepreneurship in Health Care		Fall 2
HPM 946A	Practice and Culminating Experience for HM	1.25	Fall
Spring (1.25 credits)			
HPM 946B	Practice and Culminating Experience for HM	1.25	Spring
Additional HM Requirements (5.0 credits)			
Strategy: Choose <u>one</u> of the approved courses below.			
DRPH 270	Strategic Management in Global Settings	2.5	Fall 1
HPM 231	Healthcare Organizations and Strategy		Spring 2
Quality Improvement: Choose <u>one</u> of the approved courses below.			
HPM 516	Health Care Quality and Safety	2.5	Spring 2
HPM 268	Methods and Tools for Quality Improvement		Fall 2
ELECTIVES (12.75 credits)			
To view a list of electives that be may of interest, visit hsph.me/mpH-field-of-study-health-management			

TOTAL 45 CREDITS

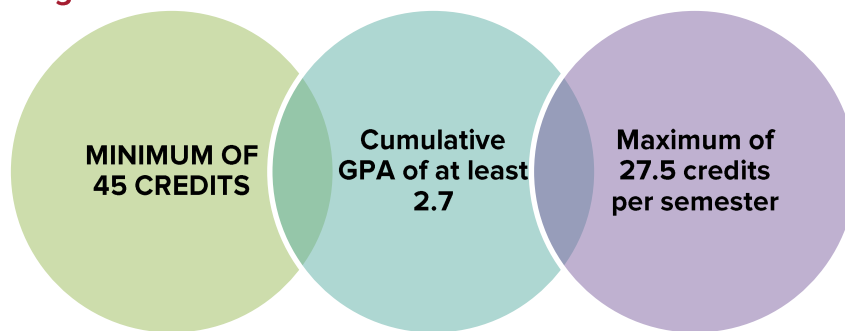
Notes for Students

All full-time MPH students are expected to participate in a Winter Session activity that furthers their educational goals and is approved by the MPH-OEP Office. To learn more, visit hsph.me/mpw-winter-session.

For HM student resources, visit the MPH-OEP Office's MPH Students webpage (hsph.me/mpw-oed) and the Department of Health Policy and Management's Resources for New MPH Students webpage (hsph.me/hpm-student-resources).

For information about waiving or substituting an HM field of study requirement, visit hsph.me/hpm-waiver-subs.

Important Program Reminders



Sample Curriculum for MPH-45 in HM
(45 credits taken over one academic year)

FALL			WINTER	SPRING		
ID 100	Foundations for Public Health (Coursework begins in summer)	1.0cr	Work on Practicum	Varies	Strategy Requirement	2.5cr
ID 201	Core Principles of Biostatistics and Epidemiology for Public Health Practice	7.5cr		Varies	Quality Improvement Requirement	2.5cr
MPH 101	MPH Qualitative Methods for Public Health	Non-credit		HPM 946B	Practice and Culminating Experience for HM	1.25cr
MPH 102	Health Systems	1.25cr		Work on Practicum		
MPH 103	Leadership and Communication	2.5cr				
MPH 104	Social, Behavioral, and Structural Determinants of Health	1.25cr				
MPH 105	Public Health Policy and Politics	1.25cr				
HPM 219	Financial Transactions and Analysis	2.5cr				
HPM 220	Financial Management and Control	2.5cr				
HPM 539	Health Care Organizations and Organizational Behavior	2.5cr				
Varies	Innovation Requirement	2.5cr				
HPM 946A	Practice and Culminating Experience for HM	1.25cr				
Electives						12.75cr
TOTAL CREDITS	26 credits		19 credits (includes Winter Session)			

END OF PROGRAM = 45 credits

FIELD OF STUDY: HEALTH POLICY

CURRICULUM OVERVIEW

The **Health Policy (HP) field of study** prepares students to apply economic, legal, and political analysis to the design, implementation, and evaluation of health care and public health policies in the United States or other countries with high-income economies. The curriculum for the health policy field of study consists of the required MPH public health core curriculum as well as required courses in economics, U.S. health policy, political analysis and strategy, and analytical methods. Students must also complete an approved Applied Practice Experience and an Integrative Learning Experience (previously Practice and Culminating Experience). Students have some credits available for elective courses, which may be taken at the Harvard Chan School or by cross-registering.

COMPETENCIES

- Assess how the structure, organization, and financing of the U.S. health care system affect system performance in terms of effectiveness, efficiency, and equity of health care delivery and health
- Evaluate policy options to address health policy challenges facing the U.S., including economic and political implications
- Recommend a course of action for addressing a health policy challenge, including the likely effect on efficiency, quality, effectiveness, costs, and equity
- Design an effective political strategy to achieve a desired health policy outcome
- Prepare professional quality health policy memos, reports, and presentations that are informed by skillful use of evidence and are appropriate to their purpose and audience

MPH-45 in Health Policy



MPH-45 in Health Policy

CURRICULUM REQUIREMENTS

Course Number	Title	Credits	Semester
MPH PUBLIC HEALTH CORE CURRICULUM (13.5 credits)			
To learn more about the MPH public health core curriculum, see pp. 7-8.			
Fall (13.5 credits)			
<i>Note: HP students are exempt from MPH 105.</i>			
ID 100	Foundations for Public Health (Coursework begins in summer)	1.0	Fall 1
ID 201	Core Principles of Biostatistics and Epidemiology for Public Health Practice	7.5	Fall
MPH 101	MPH Qualitative Methods for Public Health	Non-credit	Fall
MPH 102	Health Systems	1.25	Fall 1
MPH 103	Leadership and Communication	2.5	Fall 1
MPH 104	Social, Behavioral, and Structural Determinants of Health	1.25	Fall 2
FIELD OF STUDY REQUIREMENTS (17.5 credits)			
Fall (8.75 credits)			
HPM 206	Economic Analysis	5.0	Fall
HPM 210	United States Health Policy	2.5	Fall 1
HPM 945A	Practice and Culminating Experience for HP	1.25	Fall
Spring (3.75 credits)			
HPM TBD	Political Analysis and Strategy for U.S. Health Policy	2.5	Spring
HPM 945B	Practice and Culminating Experience for HP	1.25	Spring 2
Additional HP Requirements (5.0 credits)			
Courses denoted by an asterisk have limited space.			
Policy Perspectives: Choose <i>one</i> course from the list of approved options below.			
HPM 211	The Health Care Safety Net and Vulnerable Populations*	2.5	Fall 2
HPM 213	Public Health Law		Spring 2
HPM 502	Federal Public Policy and Population Health		Spring 1
HPM 505	Health Care Delivery Reform in the US		Spring 1
HPM 520	Org. Consumer & Community Interests in the Health System		Fall 2
HPM 545	Economics of Health Care: Public vs. Market Resolutions		Spring 2
ID 240	Principles of Injury Control		Spring 1
Analytical Methods: Take a <i>minimum</i> of 2.5 credits from the list of approved options below.			
	<i>Most common choices for HP students to fulfill the analytical methods requirement:</i>		
HPM 543	Quantitative Methods in Program Evaluation	2.5	Spring 2
RDS 280	Decision Analysis for Health and Medical Practices	2.5	Fall 2
	<i>Other approved courses:</i>		
Varies	Any RDS course (examples: RDS 202, 282, 284, 285)	2.5-5.0	Varies
Varies	Any Harvard Chan intermediate or advanced BIO or EPI course (beyond ID 201, BST 201, or EPI 201/202)	2.5-5.0	Varies
GHP 504	Introduction to Qualitative Research for Global Health	2.5	Spring 1

GHP 525	Econometrics for Health Policy	5.0	Fall
GHP 537	Field Methods in Humanitarian Crises I	1.25	Spring 1
HPM 285	Applied Survey Research for HPM	2.5	Spring 2
HPM 559	Intro. to Qualitative Research Methods for Public Health	2.5	Spring (ONLINE)
SBS 281	Principles of Social and Behavioral Research	2.5	Fall 2
SBS 501	Community-Based Participatory Research	2.5	Spring 2

ELECTIVES (14 credits)

To view a list of electives that may be of interest, visit hsph.me/mpg-field-of-study-health-policy

TOTAL 45 CREDITS

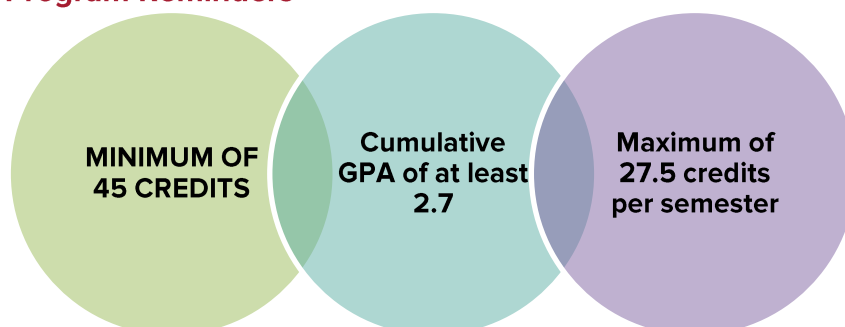
Notes for Students

All full-time MPH students are expected to participate in a Winter Session activity that furthers their educational goals and is approved by the MPH-OEP Office. To learn more, visit hsph.me/mpg-winter-session.

For HP student resources, visit the MPH-OEP Office's MPH Students webpage (hsph.me/mpg-oed) and the Department of Health Policy and Management's Resources for New MPH Students webpage (hsph.me/hpm-student-resources).

For information about waiving or substituting an HP field of study requirement, visit hsph.me/hpm-waiver-subs.

Important Program Reminders



Sample Curriculum for MPH-45 in HP
(45 credits taken over one academic year)

FALL			WINTER	SPRING			END OF PROGRAM = 45 credits
ID 100	Foundations for Public Health <i>(Coursework begins in summer)</i>	1.0cr	Work on Practicum	HPM TBD	Political Analysis and Strategy for U.S. Health Policy	2.5cr	
ID 201	Core Principles of Biostatistics and Epidemiology for Public Health Practice	7.5cr		Varies	Analytical Methods or Policy Perspectives Requirement	2.5cr	
MPH 101	MPH Qualitative Methods for Public Health	Non-credit		HPM 945B	Practice and Culminating Experience for HP	1.25cr	
MPH 102	Health Systems	1.25cr		Work on Practicum			
MPH 103	Leadership and Communication	2.5cr					
MPH 104	Social, Behavioral, and Structural Determinants of Health	1.25cr					
HPM 206	Economic Analysis	5.0cr					
HPM 210	United States Health Policy	2.5cr					
Varies	Analytical Methods or Policy Perspectives Requirement	2.5cr					
HPM 945A	Practice and Culminating Experience for HP	1.25cr					
Electives			14.0cr				
TOTAL CREDITS	24.75 credits		20.25 credits (includes Winter Session)				

FIELD OF STUDY: HEALTH AND SOCIAL BEHAVIOR

CURRICULUM OVERVIEW

The **Health and Social Behavior (HSB) field of study** is devoted to understanding health disparities and promoting health. The curriculum for the health and social behavior field of study consists of the required MPH public health core curriculum as well as required field of study-specific courses. All students must take a survey course in society and health, three other specific SBS courses that apply these principles to understanding and intervening on the health of populations, and complete additional required coursework in the Department of Social and Behavioral Sciences. Students must also complete an approved Applied Practice Experience and an Integrative Learning Experience (previously Practice and Culminating Experience). Students have some credits available for elective courses, which may be taken at the Harvard Chan School or by cross-registering.

COMPETENCIES

- Evaluate behavioral and social theories and conceptual paradigms in the design of basic and applied inquiries in social and behavioral sciences
- Formulate social and behavioral change interventions based on these theories that are appropriate and responsive to the social and cultural context
- Critically appraise principles of research, evaluation, and public health monitoring/surveillance methodology, including quantitative and qualitative methods, to address research hypotheses using a range of research designs
- Describe and apply rigorous, theory-based approaches to research translation for practice, policy, and public health settings
- Recognize the principles of social inclusion, diversity, social justice, and ethics in research and interventions

MPH-45 in Health and Social Behavior



MPH-45 in Health and Social Behavior

CURRICULUM REQUIREMENTS

Course Number	Title	Credits	Semester
MPH PUBLIC HEALTH CORE CURRICULUM (13.5 credits)			
To learn more about the MPH public health core curriculum, see pp. 7-8.			
Fall (13.5 credits)			
<i>Note: HSB students are exempt from MPH 104.</i>			
ID 100	Foundations for Public Health (Coursework begins in summer)	1.0	Fall 1
ID 201	Core Principles of Biostatistics and Epidemiology for Public Health Practice	7.5	Fall
MPH 101	MPH Qualitative Methods for Public Health	Non-credit	Fall
MPH 102	Health Systems	1.25	Fall 1
MPH 103	Leadership and Communication	2.5	Fall 1
MPH 105	Public Health Policy and Politics	1.25	Fall 2
FIELD OF STUDY REQUIREMENTS (20 credits)			
Under normal circumstances, students must take HSB required field of study courses for an ordinal grade. We are putting an exception in place for the time during which the School's COVID-19 pass/fail policy is in place and will extend as needed (see p. 3).			
Fall (6.25 credits)			
SBS 201	Society and Health	2.5	Fall 1
SBS 281	Principles of Social and Behavioral Research	2.5	Fall 2
SBS 945A	Practice and Culminating Experience for HSB	1.25	Fall
Spring (6.25 credits)			
Theory-Guided Research Translation: Choose <u>one</u> of the approved courses below.			
SBS 203	Program Planning	2.5	Spring 1
SBS 219	High-Risk Behavior: Epidemiology and Prevention Strategies		Spring 2
SBS 514	Reducing Socioeconomic and Racial/Ethnic Inequalities in Health: Concepts, Models, Effective Strategies		Spring 1
SBS 508	Successes and Challenges in Health Behavior Change	2.5	Spring 2
SBS 945B	Practice and Culminating Experience for HSB	1.25	Spring
Additional HSB Requirements (7.5 credits)			
SBS Coursework: Complete 7.5 credits offered by the Dept. of Social and Behavioral Sciences.			
Varies	Students must complete an additional 7.5 credits of SBS coursework beyond the field of study requirements. To view the full list of SBS course offerings, visit hsph.me/sbs-courses-by-topic Note: Under normal circumstances, students must take 5 of the required 7.5 credits of additional SBS coursework for an ordinal grade. We are putting an exception in place for the time during which the School's COVID-19 pass/fail policy is in place and will extend as needed (see p. 3). An independent	7.5	Fall &/or Spring

	study (e.g., SBS 300) does not count towards this requirement.		
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ELECTIVES (11.5 credits)

To view a sample list of cross-registration electives, visit hsph.me/mph-suggested-cross-reg-electives

TOTAL 45 CREDITS

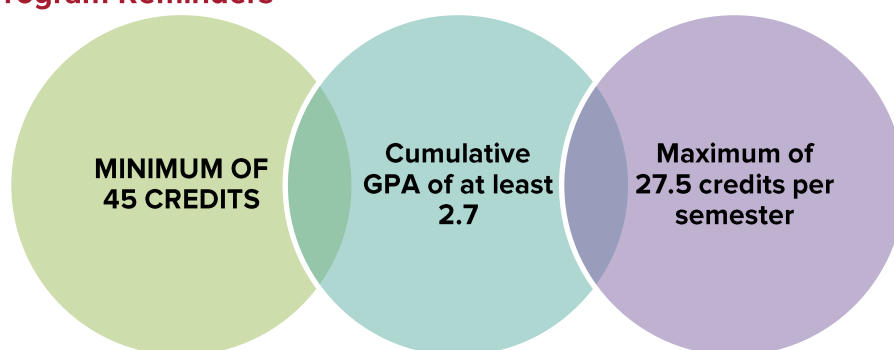
Notes for Students

All full-time MPH students are expected to participate in a Winter Session activity that furthers their educational goals and is approved by the MPH-OEP Office. To learn more, visit hsph.me/mph-winter-session.

Maternal and Child Health Interdisciplinary Concentration

Students who received any funding through the Maternal and Child Health (MCH) training grant **must** meet with MCH staff (mchconcentration@hsph.harvard.edu) at the beginning of the fall semester to ensure they meet the training grant requirements.

Important Program Reminders



Sample Curriculum for MPH-45 in HSB
(45 credits taken over one academic year)

FALL			WINTER	SPRING			END OF PROGRAM = 45 credits
ID 100	Foundations for Public Health <i>(Coursework begins in summer)</i>	1.0cr	Work on Practicum	Varies	Theory-Guided Research Translation Requirement	2.5cr	
ID 201	Core Principles of Biostatistics and Epidemiology for Public Health Practice	7.5cr		SBS 508	Success and Challenges in Health Behavior Change	2.5cr	
MPH 101	MPH Qualitative Methods for Public Health	Non-credit		Varies	Additional SBS Coursework Requirement	7.5cr	
MPH 102	Health Systems	1.25cr		SBS 945B	Practice and Culminating Experience for HSB	1.25cr	
MPH 103	Leadership and Communication	2.5cr		Work on Practicum			
MPH 105	Public Health Policy and Politics	1.25cr					
SBS 201	Society and Health	2.5cr					
SBS 281	Principles of Social and Behavioral Research	2.5cr					
SBS 945A	Practice and Culminating Experience for HSB	1.25cr					
Electives		2.5cr				9.0cr	
TOTAL CREDITS	22.25 credits		22.75 credits (includes Winter Session)				

FIELD OF STUDY: OCCUPATIONAL AND ENVIRONMENTAL HEALTH

CURRICULUM OVERVIEW

The **Occupational and Environmental Health (OEH) field of study** focuses on workplace and environmental hazards, the physiological and biomechanical aspects of work, the risks posed by the interaction of genetic and environmental factors, and a practical approach to solving health problems in various work and community settings. The curriculum for the occupational and environmental health field of study consists of the required MPH public health core curriculum as well as required courses in occupational/environmental health. MPH students in the Occupational and Environmental Medicine Residency (OEMR) must also consult the residency's requirements (hsph.me/oemr). Students must also complete an approved Applied Practice Experience and an Integrative Learning Experience (previously Practice and Culminating Experience). Students have some credits available for elective courses, which may be taken at the Harvard Chan School or by cross-registering.

COMPETENCIES

- Acquire an accurate and relevant history, including occupational history related to workplace or environmental exposures; and begin formulation of the differential diagnosis
- Identify potential population health effects from exposure to chemical, physical, and biological hazards, and describe individual factors that impact susceptibility to adverse health effects from environmental exposures
- Assess environmental and occupational health issues using core principles of industrial hygiene, ergonomics, occupational safety, and risk/hazard control and communication (e.g., recognition of regulatory standards and guidelines)
- Identify and evaluate workplace and environmental causes of injury or illness and recommend controls or programs to reduce exposure, and to enhance the health and productivity of workers under minimal supervision
- Apply the principles of toxicology, epidemiology, and risk analysis to public policy and the actions of regulatory agencies

MPH-45 in Occupational and Environmental Health



MPH-45 in Occupational and Environmental Health

CURRICULUM REQUIREMENTS

Course Number	Title	Credits	Semester
MPH PUBLIC HEALTH CORE CURRICULUM (14.75 credits)			
To learn more about the MPH public health core curriculum, see pp. 7-8.			
Fall (14.75 credits)			
ID 100	Foundations for Public Health (Coursework begins in summer)	1.0	Fall 1
ID 201	Core Principles of Biostatistics and Epidemiology for Public Health Practice	7.5	Fall
MPH 101	MPH Qualitative Methods for Public Health	Non-credit	Fall
MPH 102	Health Systems	1.25	Fall 1
MPH 103	Leadership and Communication	2.5	Fall 1
MPH 104	Social, Behavioral, and Structural Determinants of Health	1.25	Fall 2
MPH 105	Public Health Policy and Politics	1.25	Fall 2
FIELD OF STUDY REQUIREMENTS (25 – 28.75 credits)			
Fall (7.5 – 11.25 credits)			
EH 241	Occupational Safety and Injury Prevention	2.5	Fall
EH 504	Principles of Toxicology (Students with a prior medical degree can take this course for 2.5 credits)	2.5 – 5.0	Fall
EH 510	Fundamentals of Human Environmental Exposure Assessment	2.5	Fall 2
HPM 548*	Responsible Conduct of Research	1.25 or audited	Fall 1 or Spring 1
Spring (17.5 credits)			
EH 231	Occupational Health Policy and Administration	2.5	Spring
EH 232	Introduction to Occupational and Environmental Medicine	2.5	Spring
EH 236	Epidemiology of Environmental and Occupational Health Regulations	5.0	Spring
ID 263	Practice of Occupational Health	5.0	Spring
EH 945S	Practice and Culminating Experience for OEH	2.5	Spring
ELECTIVES (1.5 – 5.25 credits)			
To view a sample list of cross-registration electives, visit hsph.me/mps-suggested-cross-reg-electives			

TOTAL 45 CREDITS

Notes for Students

All full-time MPH students are expected to participate in a Winter Session activity that furthers their educational goals and is approved by the MPH-OEP Office. To learn more, visit hsph.me/mps-winter-session.

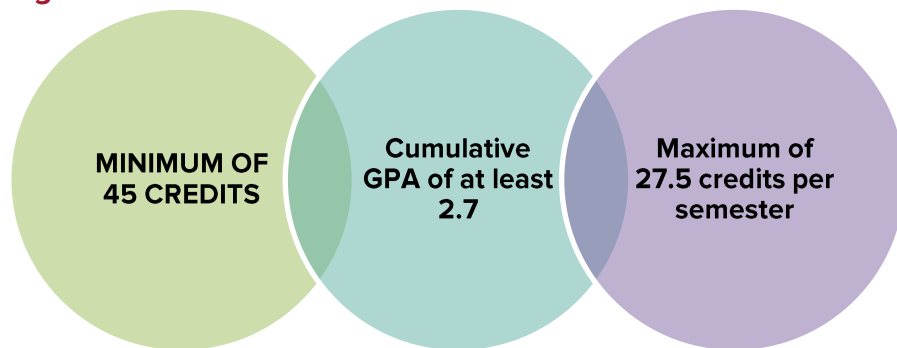
Occupational and Environmental Medicine Residency (OEMR)

MPH students in the Occupational and Environmental Medicine Residency must take ID 201, EH 232, and ID 263 for an **ordinal** grade. The Winter Session activity consists of an occupational medicine clinic at Cambridge Health Alliance (CHA).

*Harvard-National Institute for Occupational Safety and Health (NIOSH) Training Grant

MPH students who are Harvard-NIOSH Education and Research Center training grant awardees must take HPM 548, *Responsible Conduct of Research*, (for credit or audited) as part of their field of study requirements. HPM 548 is recommended, but not required, for all other MPH-45 OEH students.

Important Program Reminders



Sample Curriculum for MPH-45 in OEH (OEMR student)
(45 credits taken over one academic year)

FALL			WINTER	SPRING			END OF PROGRAM = 45 credits
ID 100	Foundations for Public Health <i>(Coursework begins in summer)</i>	1.0cr	Work on Practicum	EH 231	Occupational Health Policy and Administration	2.5cr	
ID 201	Core Principles of Biostatistics and Epidemiology for Public Health Practice	7.5cr		EH 232	Intro. to Occupational and Enviro. Medicine	2.5cr	
MPH 101	MPH Qualitative Methods for Public Health	Non-credit		EH 236	Epi. of Enviro. and Occup. Health Regulations	5.0cr	
MPH 102	Health Systems	1.25cr		ID 263	Practice of Occupational Health	5.0cr	
MPH 103	Leadership and Communication	2.5cr		EH 945S	Practice and Culminating Experience for OEH	2.5cr	
MPH 104	Social, Behavioral, and Structural Determinants of Health	1.25cr		Work on Practicum			
MPH 105	Public Health Policy and Politics	1.25cr					
EH 241	Occupational Safety and Injury Prevention	2.5cr					
EH 504	Principles of Toxicology	2.5cr					
EH 510	Fundamentals of Human Enviro. Exposure Assessment	2.5cr					
HPM 548*	Responsible Conduct of Research <i>(optional)</i>	1.25cr or audited					
Electives							
TOTAL CREDITS	22.25 credits		22.75 credits (includes Winter Session)				

FIELD OF STUDY: QUANTITATIVE METHODS

CURRICULUM OVERVIEW

The **Quantitative Methods (QM) field of study** provides students with the necessary quantitative and analytical skills to approach and solve problems in public health and clinical research and practice. The curriculum for the quantitative methods field of study consists of the required MPH public health core curriculum as well as introductory and intermediate courses in epidemiology and biostatistics. Students also take more advanced coursework in relevant quantitative areas such as epidemiology, biostatistics, demography, econometrics, quality improvement, and decision sciences. Students must also complete an approved Applied Practice Experience and an Integrative Learning Experience (previously Practice and Culminating Experience) and an additional practice-based course in an area such as survey research, clinical trials, meta-analysis, decision sciences, or other relevant quantitative area. Students have some credits available for elective courses, which may be taken at the Harvard Chan School or by cross-registering.

COMPETENCIES

- Evaluate the effectiveness of public health and clinical interventions using epidemiologic and statistical methods, including crude, stratified, and standardized analyses, and regression methods
- Critically evaluate the results of observational and experimental research studies relevant to public health research and practice
- Calculate and interpret measures of health and disease status encountered in epidemiologic research, health services research, comparative effectiveness research, and public health practice
- Design and conduct valid and efficient epidemiologic investigations, including cohort and case-control studies, relevant to public health and clinical applications
- Apply appropriate biostatistical methods using software packages (e.g., STATA, SAS, or R) to perform and interpret crude and adjusted analyses of data

MPH-45 in Quantitative Methods



MPH-45 in Quantitative Methods

CURRICULUM REQUIREMENTS

Course Number	Title	Credits	Semester
MPH PUBLIC HEALTH CORE CURRICULUM (17.25 credits)			
To learn more about the MPH public health core curriculum, see pp. 7-8.			
Fall (17.25 credits)			
ID 100	Foundations for Public Health (Coursework begins in summer)	1.0	Fall 1
BST 201	Introduction to Statistical Methods	5.0	Fall
EPI 201 & EPI 202	Introduction to Epidemiology: Methods I Epidemiologic Methods II: Elements of Epidemiologic Research	2.5 2.5	Fall 1 Fall 2
MPH 101	MPH Qualitative Methods for Public Health	Non-credit	Fall
MPH 102	Health Systems	1.25	Fall 1
MPH 103	Leadership and Communication	2.5	Fall 1
MPH 104	Social, Behavioral, and Structural Determinants of Health	1.25	Fall 2
MPH 105	Public Health Policy and Politics	1.25	Fall 2
FIELD OF STUDY REQUIREMENTS (15 credits)			
Regression (5.0 credits)			
Choose <u>one</u> of the approved courses below. Other options may be approved by the field of study leader.			
BST 210 BST 213	Applied Regression Analysis Applied Regression for Clinical Research	5.0	Fall or Spring Fall
Upper Level QM Coursework (5.0 credits)			
Varies	Take 5 credits (beyond the field of study requirements) of intermediate or advanced courses in EPI, BST, demography, decision sciences (RDS), or other approved quantitative sciences.	5.0	Fall &/or Spring
Applied Practice Experience and Integrative Learning Experience (2.5 credits)			
ID 945A	Practice and Culminating Experience for QM	1.25	Fall
ID 945B	Practice and Culminating Experience for QM	1.25	Spring
Additional Spring Practice Course or Field of Study-Approved Research Project (2.5 credits)			
Choose <u>one</u> of the approved courses below. Other options may be approved by the field of study leader.			
BST 212 BST 214 BST 217 BST 225 EPI 233 ID 240 RDS 282 RDS 285	Survey Research Methods in Community Health Principles of Clinical Trials Statistical and QM for Pharmaceutical Regulatory Science Intro. to Systematic Reviews and Meta-Analysis Methods Research Synthesis and Meta-Analysis Principles of Injury Control Economic Evaluation of Health Policy and Program Mgmt.* Decision Analysis Methods in Public Health and Medicine*	2.5	Spring Spring 1 Spring 2 Summer 2 Spring Spring 1 Spring 2 Spring 1

ID 945C	*(Pre-req of RDS 280 or RDS 286) or Field of Study-Approved Research Project		Spring 2
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ELECTIVES (12.75 credits)

To view a sample list of cross-registration electives, visit hsph.me/mph-suggested-cross-reg-electives

TOTAL 45 CREDITS

Notes for Students

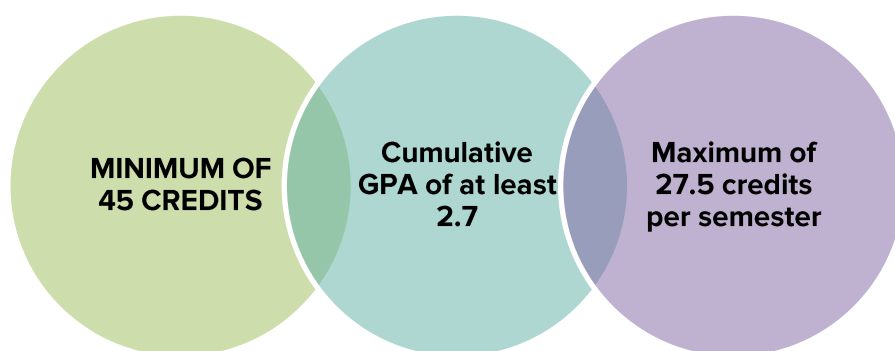
All full-time MPH students are expected to participate in a Winter Session activity that furthers their educational goals and is approved by the MPH-OEP Office. To learn more, visit hsph.me/mph-winter-session.

QM students who start in summer may take BST 202, BST 203, EPI 500, and EPI 202S to fulfill their biostatistics and epidemiology core requirements in lieu of BST 201, EPI 201, and EPI 202 in fall.

QM students who have completed the Program in Clinical Effectiveness (PCE) may use BST 206, BST 207 or BST 208, and EPI 208 to fulfill their biostatistics and epidemiology core requirements in lieu of BST 201 and EPI 201 in fall. However, they must still take EPI 202 in summer or fall.

QM students with appropriate prior statistical training may take regression in fall instead of spring.

Important Program Reminders



Sample Curriculum for MPH-45 in QM
(45 credits taken over one academic year)

FALL			WINTER	SPRING			END OF PROGRAM = 45 CREDITS
ID 100	Foundations for Public Health <i>(Coursework begins in summer)</i>	1.0cr	Work on Practicum	Varies	Regression Requirement	5.0cr	
BST 201	Introduction to Statistical Methods	5.0cr		Varies	Upper Level QM Course(s)	5.0cr	
EPI 201	Introduction to Epidemiology: Methods I	2.5cr		Varies	Additional Spring Practice Course	2.5cr	
EPI 202	Epidemiologic Methods II: Elements of Epidemiologic Research	2.5cr		ID 945B	Practice and Culminating Experience for QM	1.25cr	
MPH 101	MPH Qualitative Methods for Public Health	Non-credit		Work on Practicum			
MPH 102	Health Systems	1.25cr					
MPH 103	Leadership and Communication	2.5cr					
MPH 104	Social, Behavioral, and Structural Determinants of Health	1.25cr					
MPH 105	Public Health Policy and Politics	1.25cr					
ID 945A	Practice and Culminating Experience for QM	1.25cr					
Electives		5.25cr				7.5cr	
TOTAL CREDITS	23.75 credits		21.25 credits (includes Winter Session)				

MPH-EPI ONLINE COURSES AT THE HARVARD CHAN SCHOOL

Academic year (residential) MPH students may enroll in the cohort model MPH-EPI courses offered by the Harvard Chan School on a space-available basis. The courses listed below are part of the MPH in Epidemiology (MPH-EPI) online/on-campus program. Priority enrollment goes first to MPH-EPI students, then to summer-only students, and then to academic year (residential) students. Some courses below may not be available for academic year (residential) students; see course requirements/restrictions in [my.harvard](https://my.harvard.edu).

Academic year (residential) MPH students are limited to a maximum of **3.75 online credits of MPH-EPI courses in any semester** and a maximum of **10 online credits of MPH-EPI courses overall** out of the required 45 credits for the MPH degree.

MPH-EPI ONLINE COURSE OPTIONS

Course Number	Title	Credits
Fall Options		
EPI 526	Analysis of Publicly Available Databases for Epidemiologic and Health Services Research	2.5
EPI 527	Design and Conduct of Trials in Preventive Medicine	2.5
EPI 528	Systematic Review and Meta-Analysis	2.5
HPM 559	Introduction to Qualitative Research Methods for Public Health	2.5
Spring Options		
BST 215	Linear and Longitudinal Regression	2.5
EPI 288	Introduction to Machine Learning and Risk Prediction	2.5
EPI 530	Introduction to Infectious Disease Modeling	1.25
HPM 506	Practical Scientific Methods for Improving Health and Health Care	2.5
RDS 202	Decision Science for Public Health	2.5