

The Division of Public Health Sciences

Master of Population Health Sciences

MPHS Clinical Outcomes Research Training

10 month degree program for medical health science students, residents, fellows, attending and clinical doctorates.

(MD/ MPHS Degree Available)



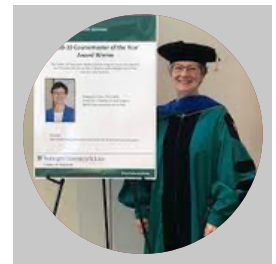
Accelerate your academic research career



Improve patient and population health



Boost your research quality and productivity



About the Program

The Master of Population Health Sciences degree is designed to prepare current and aspiring public health leaders with the skills and knowledge needed to impact the health outcomes for patient populations. Through this program you will explore key public health issues in epidemiology, biostatistics, clinical effectiveness and outcome research.

Learn from our highly ranked faculty known for patient care and population health excellence in classes customized for clinicians while maximizing your research productivity by using your current, ongoing research projects for course assignments. With no thesis requirement, the MPHS degree can be obtained in as few as 10 months, with part-time study options available.

Students may also choose to pursue a certificate in one of the following areas: Clinical Effectiveness | Health Equity and Disparities

Quick facts of the program:

- Part-time study available.
- No Thesis requirement.
- Dual MD/ MPHS degree option available.
- Assignments, projects, readings and case studies are tailored for a clinician audience.
- Relevant, productive assignments: use a current research project or your future research interests for core assignments.

Core Curriculum

- Introduction to R for Clinical Research
- Intro and Intermediate Biostatistics for Clinical Research
- Intro and Intermediate Clinical Epidemiology
- Grant Writing: Applying Clinical & Population Health Methods
- Ethics in Population and Clinical Health Research

Elective Courses

- Intro to Health Disparities and the Structural/ Social Determinants of Health
- Principles of Shared Decision Making and Health Literacy in the Clinical Setting
- Randomized Controlled Trials
- Development, Validation and Application of Risk Prediction Models
- Systematic Reviews and Meta-Analysis
- Using Administrative Data for Health Services Research
- Dissemination and Implementation Science
- Applied Qualitative Methods for Health Research

Visit www.mphs.wustl.edu for a complete list of elective courses.

APPLICATION DEADLINE: JUNE 16, 2023





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Certificate in Health Equity and Disparities

Students who complete the Certificate in Health Equity and Disparities will gain knowledge on health disparity and social determinants of health and develop the interdisciplinary skills needed to assess health disparities and address the impact of social determinants of health on clinical outcomes and population health.

Requirements: The certificate will require minimum 15 total credits, including three core courses and three additional elective courses. All electives will be reviewed and approved prior to registration to ensure relevance to the Certificate in Health Disparities and Equity.

Required Core Courses:

- Introduction to Health Disparities and the Structural and Social Determinants of Health
- Ethics in Population and Clinical Health Research

One of followings:

- Introductory clinical epidemiology
- Applied Qualitative Methods for Health Research
- Dissemination and Implementation Science
- Randomized Controlled Trials

Elective Courses:

- Introductory clinical epidemiology
- Applied Qualitative Methods for Health Research
- Dissemination and Implementation Science
- Randomized Controlled Trials
- Introductory biostatistics for clinical research
- Intermediate clinical epidemiology
- Principles of Shared Decision Making and Health Literacy in the Clinical Setting
- **MPH 5322 TPS:** Interrogating Health, Race, and Inequalities





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Certificate in Clinical Effectiveness

Students who complete the Certificate in Clinical Effectiveness will develop the strong methodological skills needed for clinical outcomes research. Students will achieve competency in designing clinical and observational studies, conducting secondary analysis of existing data, and evaluating clinical epidemiology or clinical research projects of clinical or public health significance.

Requirements: The certificate will require minimum 15 total credits, including two core courses and three additional elective courses. All electives will be reviewed and approved prior to registration to ensure relevance to the certificate.

Required Core Courses:

- Introductory clinical epidemiology
- Introductory biostatistics for clinical research

Elective Courses:

- Intermediate clinical epidemiology
- Randomized Controlled Trials
- Decision Analysis for Clinical Investigation and Economic Evaluation
- Systematic Reviews and Meta-Analysis
- Development, Validation and Application of Risk Prediction Models
- Using Administrative Data for Health Services Research
- Multilevel and Longitudinal Data Analysis for Clinical and Public Health Research
- Introduction to Health Disparities and the Structural and Social Determinants of Health



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MPHS Degree Information Session & FREE lunch

Looking to hit the ground running in residency?

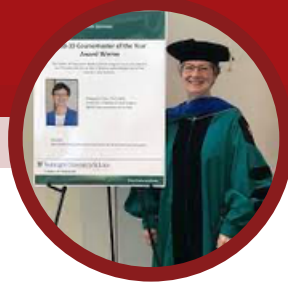
Want to boost your residency applications?

Whether you know what field of medicine you'll go into, or you're still deciding, the 10-month MPHS program will prepare you to be a strong residency applicant and future physician-researcher.

In this informational session, learn how clinical effectiveness and health outcomes research training complements your research experience and clinical interests.

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**Monday, April 9
12 - 1 p.m.**

**Farrell Learning and
Teaching Center
FLTC Room 301**

RSVP

