

Jefferson College of Population Health

POPULATION HEALTH INTELLIGENCE[®]

Graduate Certificate and Master's Degree

*Earn your master's
degree 100% online
in two years without
interrupting your career.*



Jefferson

Philadelphia University +
Thomas Jefferson University

Earn your degree from one of the largest and most innovative academic health centers in the country.

Thomas Jefferson University

We Improve Lives.

At Jefferson (Philadelphia University + Thomas Jefferson University), we *improve lives* by redefining humanly possible and providing students with exceptional value in 21st century professional education. We are dedicated to educating our students—through interprofessional and transdisciplinary, experiential learning designed for new and emerging fields—and preparing them with the skills they need to succeed and lead now and in the future of work. We do this through integrated, innovative and forward-thinking programs across our colleges and schools in architecture, business, design, engineering, fashion & textiles, health, science and social science.

College of Population Health students have the extraordinary opportunity to expand their understanding of health care and population health through Jefferson Health, our clinical arm of Thomas Jefferson University. Our academic health center spans 14 hospitals (seven are Magnet-designated for nursing excellence), touches the lives of nearly four million patients annually, includes the NCI-designated Sidney Kimmel Cancer Center, and is recognized nationally by *U.S. News & World Report* for its clinical excellence. The Jefferson Health system provides students with numerous collaborative opportunities to gain a real-world understanding of health, health care and the impact of population health management and policy.

Jefferson College of Population Health

Connecting Health and Healthcare™

We are the first college of population health established in the United States with an unwavering focus on improving population health in the United States and around the world. We train leaders with the knowledge and skills necessary to transform the delivery of health services by working within and across critical stakeholder groups, including:

- healthcare providers and delivery systems
- health insurance companies and third-party payers
- drug and device manufacturers
- government and other regulators and accreditors
- technology companies
- management consulting firms
- community organizations

To accomplish this, we offer graduate programs in all key areas of population health improvement: applied health economics and outcomes research, health policy and administration, healthcare quality and safety, operational excellence, population health sciences, population health management, and public health. We also publish seminal texts and academic journals that define, sustain, and propel our field. We are heavily engaged with leading firms in population health through consulting, R&D, and thought leadership and we host the largest industry-focused annual conference solely focused on population health improvement.

For more information about the College, visit Jefferson.edu/PHI



Thomas Jefferson
University Hospital

Population Health Intelligence[®] (PHI)

is a term we coined to describe a new discipline, the role of which is to collect, organize, harmonize, analyze, disseminate and act upon the data available to clinicians, health system leaders, the pharmaceutical and biotechnology industry, and healthcare payers.

In today's dynamic healthcare environment, health data analytic experts are in high demand.

Program Features

- 100% online with no in-person or synchronous learning requirements
- Globally focused curriculum designed by and for PHI professionals
- Accelerated 7-week semester format tailored to working professionals
- Courses taught by expert practitioner faculty who bring their extensive real-world experience to the classroom
- Complete a graduate certificate in one year or a master's degree in two years by taking just one course at a time

In order to make the transition to a healthcare system that rewards outcomes rather than volume, clinicians and other healthcare leaders must learn how to do more with the health data they have and be able to incorporate other disparate, but relevant, sources of information. True population health improvement will be driven by insights derived and distilled from these vast amounts of heterogeneous and distinct data that are no longer limited to the physician office or hospital medical record system.

Program Options

Our PHI program has two degree options: a graduate certificate and a master's degree. All coursework is 100% online and uses an accelerated semester format specifically designed for working professionals. This enables students to focus on building one set of skills at a time, but still graduate at the same pace as traditional graduate degree programs.

GRADUATE CERTIFICATE

The Graduate Certificate focuses on the foundations of PHI. This option contains five online courses and can be completed in one year.

MASTER'S DEGREE

The Master of Science (MS) builds upon the foundational concepts presented in the Graduate Certificate and focuses on the advanced application of data analytics, data governance, and policy concepts necessary for population health improvement. This option contains 10 online courses and a capstone project, which is specifically designed to enhance the student's career trajectory. This option can be completed in two years.

Program Audiences

The PHI program is designed for professionals with at least two years of experience in any sector of the healthcare or public health systems, including:

- Accountable Care Organizations (ACOs) and other integrated delivery systems
- Large, multi-site healthcare delivery organizations
- Health insurance plans or third-party administrators
- Health information exchanges
- Population health management companies
- Public/government entities engaged in healthcare or public health oversight
- Public health surveillance agencies
- Hospital associations and other professional or trade associations
- Pharmaceutical, device, and biotechnology industries
- Healthcare management consulting firms
- Healthcare-focused technology companies



Our PHI program has met the rigorous standards of creating and delivering high quality health IT and healthcare education established by the Healthcare Information and Management Systems Society. As a HIMSS Approved Education Partner, we are also pre-approved to provide continuing education hours for HIMSS certifications.

Program Outcomes

The PHI program prepares graduates to be successful in the ever-changing healthcare environment that is driven by data and analytics by preparing them to:

GRADUATE CERTIFICATE

- Identify and respond to socio-economic, environmental and behavioral determinants of health.
- Assess a health system's hardware and software to determine its security compliance and conformance with purchasing requirements.
- Develop a strategy for identifying and integrating disparate, non-health and population-level data into clinical decision making.
- Apply principles of effective and ethical data governance.
- Account for the impact of health law and regulations on the collection, aggregation, analysis and presentation of data.

MASTER'S DEGREE (ABOVE PLUS)

- Evaluate questions of efficiency and effectiveness in health care employing an array of quantitative methods used by health analytics practitioners.
- Apply management and leadership skills to data-driven decision-making.
- Develop a strategy for analyzing and assessing payer contracts for at-risk populations.
- Adopt data visualization techniques that contribute to effective presentations and population health management dashboards.
- Assess population health initiatives employing program implementation and evaluation techniques.
- Apply epidemiological research methods to identify factors affecting patient care and health outcomes.



Karen Walsh, MS, MBA

Program Director, Population Health Intelligence

“Data and analytics are key pillars in the healthcare environment. This program will give you real-world examples and the tools you need to be a successful analytical leader and drive actionable outcomes in your organization.”

CURRICULUM

GRADUATE CERTIFICATE:

- ESSENTIALS OF POPULATION HEALTH
- EPIDEMIOLOGY & EVIDENCE FOR OUTCOMES RESEARCH IN POPULATION HEALTH
- ADVANCED STATISTICS FOR AHEOR
- HEALTH INFORMATICS & ANALYTICS
- DATA SCIENCE

MASTER'S DEGREE (LEFT PLUS):

- ADVANCED STATISTICS FOR DATA ANALYTICS
- SPECIALIZED DATA TOPICS
- DATA PRESENTATION ARCHITECTURE
- IMPLEMENTATION SCIENCE
- ANALYTICS LEADERSHIP
- CAPSTONE SEMINAR & PROJECT

The capstone project is designed by the student and is tailored to his/her career trajectory. Go to [Jefferson.edu/PHI](https://jefferson.edu/PHI) for updated program requirements, course descriptions and available electives.

ADMISSIONS CONSIDERATIONS:

We review applications using a holistic perspective that carefully considers all available information without imposing specific minimums on any individual requirement. In general, we look for:

- A prior GPA of approximately 3.0 or higher in undergraduate or graduate coursework;
- Competitive standardized test scores near or above the 50th percentile (a waiver is available);
- An articulate application essay;
- A resume/CV that demonstrates a trajectory consistent with, or shows promise for, success in the applicant's chosen degree program; and
- Recommendation letters attesting to the applicant's ability to be successful in the program.

Ultimately, we look for applicants who have a passion for the work and the ability to successfully complete the program. Please visit our web site or contact us for more information.

START YOUR APPLICATION:

- Start your application online anytime at [Jefferson.edu/PHI](https://jefferson.edu/PHI)
- No application fee for master's degree programs
- Begin classes in January or September (some availability in May)

QUESTIONS?

Email us at JCPH.Admissions@Jefferson.edu or call us toll-free at **1-888-71-APPLY** (27759)



For more information about the program, please visit [Jefferson.edu/PHI](https://jefferson.edu/PHI)