APPLIED HEALTH ECONOMICS
AND OUTCOMES RESEARCH

Graduate Certificate and Master’s Degree

DOMESTIC AND INTERNATIONAL TRACKS AVAILABLE

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

Jefferson College of Population Health

Philadelphia University + Thomas Jefferson University
Applied Health Economics and Outcomes Research (AHEOR) is an academic discipline that establishes the efficacy of a product, service, or treatment; compares its effectiveness to other interventions; and considers its incremental cost efficiency to determine optimal clinical application and overall economic value.

Demand for AHEOR professionals continues to be strong globally as rising healthcare delivery and pharmaceutical costs continue to challenge every nation’s economy.

Program Features

- 100% online with no in-person or synchronous learning requirements
- Globally focused curriculum designed by and for practicing AHEOR professionals
- Accelerated 7-week semester format tailored to working professionals
- Complete a graduate certificate in one year or a master’s degree in two years by taking just one course at a time

Our AHEOR program is built upon 20-plus years of experience working with some of the largest firms in the pharmaceutical industry to train leaders in market access, budget impact analysis, economic evaluation, and comparative effectiveness research. Unlike other graduate programs, the faculty in our AHEOR program have significant industry experience—with many still working with insurance companies, drug and device manufacturers, and population health management consultancies.

Program Options and Tracks

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

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

MASTER’S DEGREE
The Masters of Science (MS) degree builds upon the foundational concepts presented in the Graduate Certificate and focuses on the advanced application of concepts necessary for the modern practice of AHEOR in research and industry settings. 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.
**Master’s Degree Tracks**

The master’s degree option provides the students opportunities to study and apply AHEOR concepts in different healthcare environments around the world.

**DOMESTIC TRACK**

Students wishing to practice within the United States will learn how to apply AHEOR concepts to the organization, delivery and financing of healthcare specific to the unique aspects of the US healthcare system.

**INTERNATIONAL TRACK**

Students wishing to practice outside of the US will learn how to apply AHEOR concepts to other healthcare environments, such as socialized and nationalized healthcare models, developing markets, and cultural differences impacting subjective measures in those settings.

**Program Audiences**

AHEOR is used in a variety of healthcare settings. Consequently, our students and graduates come from a diverse range of backgrounds, including:

- Pharmaceutical, biotechnology and device industry professionals
- Governmental, policy, and public health professionals, including those in regulatory development and oversight, and advising on changes to Medicaid, Medicare, Veterans Administration, and other government funded programs
- Managers of health plans, actuaries, government affairs officers and provider managers
- Human resource professionals, insurance brokers, benefits consultants, finance staff, and others involved in purchasing and evaluating health plan benefits
- Students with undergraduate degrees in health policy, economics, political science, and public health
- Clinicians who are interested in focusing on optimal clinical effectiveness and financial efficiency in healthcare

**Program Outcomes**

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

**GRADUATE CERTIFICATE**

- Compare historical trends to current issues in U.S. healthcare organization, delivery and financing.
- Explore the impact of government policies on health insurance products
- Examine the strengths and weaknesses of research design and statistical methods in evaluating product or service efficacy.
- Discuss the key concepts and applications of quantitative modeling in economic evaluations in health care.

**MASTER’S DEGREE (ABOVE PLUS)**

- Analyze the structure and function of U.S. healthcare institutions with strong emphasis on financing and delivery.
- Apply analytic methods (e.g., burden of illness, evidence evaluation, statistics and research design, financial impact, cost-effectiveness and decision analysis) to inform resource allocation, relative value assessments, and policy initiatives.
- Interpret and apply conceptual frameworks used in AHEOR, such as economic metrics (e.g., cost-effectiveness), quality of life evaluations (e.g., utilities and patient-reported outcomes) and healthcare technology assessment evaluations (e.g., budget impact analysis, guidelines, formularies, and utilization incentives and disincentives).
- Communicate policy implications to various stakeholders and decision-makers that reflect AHEOR concepts and techniques.
- Assume leadership roles in the decision process regarding the allocation of healthcare resources.
Our simulation training was extraordinary. The teachers are top practitioners of a modeling approach that will become essential in our field, but is not yet taught in many AHEOR programs. We got both theoretical grounding and hands-on experience with an approach that is flexible enough to capture all the moving parts of healthcare decisions.

CURRICULUM

GRADUATE CERTIFICATE:
- Economics of Health Insurance
- Hospital Finance and Accounting
- Basic Economic Modeling
- Subjective Outcomes in Health Evaluation
- Elective

MASTER OF SCIENCE (LEFT PLUS):
- Epidemiology for Outcomes Research
- Advanced Economic Modeling
- Advanced Statistical Concepts in AHEOR
- Advanced Research Methods in AHEOR
- Economic and Outcomes Analyses
- Capstone Seminar and Project

Go to Jefferson.edu/AHEOR for updated program requirements, course descriptions, and available electives.
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 and 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/PopulationHealth
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/AHEOR
• 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/AHEOR