Jefferson School of Population Health
Online Information Session:
Master of Science in Applied Health Economics & Outcomes Research (MS-AHEOR)
Certificate in Applied Health Economics & Outcomes Research
Juan Leon, Ph.D.

Director, Online Learning

Lisa Chosed, M.A.

Online Programs Administrative Liaison
Today’s Agenda

- The School of Population Health at Thomas Jefferson University (JSPH)
- Our Master’s and Certificate Programs in Applied Health Economics and Outcomes Research
- Curricula for MS-AHEOR
- Our Practitioner Faculty and the Student Body
- Online Learning at JSPH
- Admissions and Tuition
- Q & A
Thomas Jefferson University: Fast Facts

Founded in 1824 as Jefferson Medical College (JMC)
Prepared more MDs than any other school in the nation
“Health and health care is all we do.”

Schools at Thomas Jefferson University

– Jefferson Medical College
– Jefferson School of Graduate Biomedical Sciences
– Jefferson School of Health Professions
– Jefferson School of Nursing
– Jefferson School of Pharmacy
– Jefferson School of Population Health
The Jefferson School of Population Health

David B. Nash, M.D., M.B.A.

Founding Dean
Jefferson School of Population Health

Our Mission:
To prepare leaders with global vision to develop, implement and evaluate health policies and systems that improve the health of populations and thereby enhance the quality of life.
Why JSPH?

We are experienced **leaders** in population health:

- **National reputation** in health policy, healthcare quality and safety, and applied health economics and outcomes research going back 20+ years
- **Research Team** with 20+ years of grant-funded research in health policy, health services, health economic and outcomes
- **Professional Development**
- **Conferences, publications, advisory boards**
Periodicals:

AMERICAN HEALTH & DRUG BENEFITS

Perspectives
Getting Back to Reality: The Opioid, the Fiscal Cliff, and the AI

Editorial
The Use of Medicines in the United States: A Detailed Review

CLINICAL
National Burden of Prescriber-Adverse Drug Events and Associated Health Care Costs: A Literature Review

Liability Costs

Analyzing Drug-Related Costs and the Impact of Adverse Drug Events in the United States

Business
Current and Future Use of HRSA in Healthcare Decisions: United States and Non-U.S. Markets

Innovations in Healthcare: Understanding the Impact of Healthcare Reform

Herceptin: A Closer Look at Current Research and Trends

Nursing Perspectives: A Fresh Look at the Future of Nursing

P&T
A Peer-Reviewed Journal for Managed Care and Hospital Formulary Management

Population Health Management

Contents
- Well-Being and Future Health Care Utilization and Cost
- Efficiency of Telephone-Based DM Programs
- Readmission Risk Factors among the Elderly
- Dose-Response Effects for DM Programs
- Repeat Retail Clinic Visits
- Cervical Cancer Surveillance in a Medicaid Population
- Database for Depression Disorders
- Special Sections on Skilled Labs
- Abstracts from the 14th Annual Care Continuum Alliance Forum and the International Symposium on Wellness & Chronic Care

MEETING HIGHLIGHTS
- American Heart Association Scientific Sessions 2012
- American Association for the Study of Liver Disease
- American College of Rheumatology/American College of Rheumatology Health Professionals

Jefferson School of Population Health

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www.americangovernment.com
Current Books:

POPULATION HEALTH
CREATING A CULTURE OF WELLNESS

David B. Nash
JoAnne Reifsnyder
Raymond J. Fabius
Valerie P. Pracilio

Health Care Quality:
The Clinician’s Primer

Edited by
David B. Nash, MD, MBA
Janice Clarke, RN
Alexis Shueffelos, EdD
Melissa Horowitz

acpe American College of Physician Executives
The Home for Physician Leaders
High-Priority Questions in AHEOR

1. Is healthcare in crisis?
2. How do we know what works?
3. Among active interventions, how do we know what works better?
4. How do we evaluate value in real world settings?
5. How do we assemble and communicate clinical-economic value?

Ways we’re Addressing Questions:

- Explore the dynamics of US Healthcare: Organization, Delivery, Financing and Reform
- Examine supply and demand characteristics in healthcare
- Learn to judge the quality of evidence concerning benefit and risk
- Consider strengths and weaknesses of experimental and observational research
- Appraise the adjustments to deal with limitations of evidence
- Focus on the measurement of subjective outcomes - patient and clinician reported
- Utilize decision-analytic and simulation techniques to model value in healthcare
- Differentiate the elements of value in dossiers to enable better decision-making
MS-AHEOR prepares leaders to:

• Explain the dynamics of the **US healthcare system**
• Apply methods and techniques to assess **Value in Healthcare**
• **Critically evaluate:**
  • Outcomes in healthcare
  • Economics in healthcare
  • Quality of Life in healthcare
  • Health Technology Assessments
• **Communicate** policy ramifications to stakeholders in customer relevant ways
• Champion initiatives to more **efficiently allocate** healthcare resources
The MS-AHEOR Curriculum (39 credits)

- AHEOR Core
- Foundations
- Health Economics & Outcomes Research
- HealthCare Structure and Systems
Certificate in AHEOR (15 credits)

- Health Economics & Outcomes Research
- Healthcare Structure and Systems
- AHEOR Core
- Foundations
Foundational Courses (15 credits / 6 for Certificate)

HealthCare Structure and Systems

- US Healthcare Organization & Delivery *
- US Healthcare Financing and Reimbursement *
- Health Economics *
- Health Research Methods *
- Elective *

* Certificate course
The Core Courses (24 credits/9 for Certificate)

Capstone Seminar/Project
Outcomes and Economic Analyses*
Simulation for Economic Evaluation**
Economic Modeling in Healthcare**
Econometric and Observational Methods
Subjective Outcomes in Health Evaluation
Epidemiology for Outcomes Research*

* Certificate course
** Certificate course (choose one)
AHEOR Faculty

Kent Bottles, MD

- **Dr. Bottles** (US Healthcare Organization and Delivery)
  - Former Chair of Pathology
  - Teacher of Year, U. of Iowa, Pathology
  - Henry J Kaiser Award, Teaching UCSF

Lynne Matthews, PhD, MS

- **Dr. Matthews** (US Healthcare Organization and Delivery)
  - Director, Healthcare IT Practice
  - PhD, Education Science, U Penn
  - 25 years in healthcare and IT

Tom Heron, MA Accounting

- **Mr. Heron** (US Healthcare Finance & Reimbursement)
  - Former VP and CFO Maxis Health System
  - MBA LaSalle University

Robert Lieberthal, PhD

- **Dr. Leiberthal** (Health Economics)
  - Economist and Actuary from U Penn
  - Former Actuary at PricewaterhouseCoopers
AHEOR Faculty

Catherine Schifter, PhD
- Dr. Shifter (Health Research Methods)
  - Carnegie Scholar
  - PhD, U Penn, Distance learning and technology integration

John McAna, PhD
- Dr. McAna (Epidemiology for Outcomes Research)
  - PhD, U Penn, Epidemiology
  - 14 years in Blue Cross, 6 years Biomedical Industry, and 6 years in Public Health

Kevin Mayo, PhD
- Dr. Mayo (Econometric and Observational Research)
  - VP, Access Partnership, Consulting, London
  - 20 years in Big Pharma
  - PhD, U of Louisiana at Monroe in Outcomes Research
AHEOR Faculty

Don Chalfin. MD, MS

 Margaret Rothman. PhD

Jaime Caro. MDCM

Joseph Jackson, PhD

• **Dr. Chalfin** (Economic Modeling in Health Care)
  – Medical Director, Ibis Biosciences
  – Critical Care and IM doctor
  – Past CMO of Analytica, consulting

• **Dr. Rothman** (Subjective Outcomes in Health Evaluation)
  – Sr. Dir. PRO, Janssen Pharma
  – Psychometrics from U of Wash
  – Served on many PRO committees

• **Dr. Caro** (Simulation for Economic Evaluation)
  – Sr. VP, UBC
  – Internist and Epidemiologist
  – Chair, ISPOR/SMDM Modeling TF

• **Dr. Jackson** (Outcomes and Economic Analysis)
  – 30 years in Big Pharma
  – PhD, U of Mississippi, Pharmacy
MS-AHEOR Program Overview

- All courses are offered asynchronously online.
- Classes are offered in three 14-week sessions per year.
- Program accommodates working professionals (one or two courses per term, completing in 26 – 48 months)

Upon completion of coursework, students come to campus to present their Capstone projects and to attend seminars and discussions concerning AHEOR and population health.
Students Presently in the Program

Employer:

- AstraZeneca
- Janssen Pharmaceuticals
- Merck, Inc.
- Northern Illinois University
- Nextgen Healthcare/Quality Systems Inc.
- Millennium: The Takeda Oncology Company
- MSI International East

Title:

- Medical Liaison
- Outcomes Researcher
- Assistant Statistician
- Instructor
- Clinical Specialty Health Informatics & Technology Product Line Manager
- Health Economics & Outcomes Researcher
- Director of Analytical Services
Our Support for Online Learners

How are online students supported?

• Orientation Courses:
  • Online Learning Tools
• Program Activities
• Dedicated Liaison (“OPAL”)  
• Jeff IT
Welcome to AHE 514, Economics and Outcomes Analysis

AHE 514, Economics and Outcomes Analysis, is one of the last courses in the Applied Health Economics and Outcomes Research Master's degree sequence. This course reinforces the importance of the evaluative clinical sciences, essentially applied health economics and outcomes research, to render medicine more scientific by providing the optimal clinical benefits within limited budgets.

The final deliverable of our course is a Health Technology Assessment dossier that you create to support the value proposition for a new technology.
A Week in the Online Life

Monday: New Week OPENS

Tuesday: Reading & Discussion

Wednesday: Reading & Discussion

Thursday: Discussion & Writing

End of Week: Discussion & Assignment Submission

End of Week: Discussion & Assignment Submission

Assignment & Discussion
Virtual Office Hours: Twice a Term
Why Do Jefferson’s MS-AHEOR?

- Thomas Jefferson University is a major US academic health center. It’s been around a long time (since 1824) and health and healthcare is all that we do!
- The MS-AHEOR is highly focused on the knowledge and skills needed to perform and to evaluate aspects of value concerning medical interventions and programs.
- The MS-AHEOR stresses applied methodologies, real-world applications that are relevant to actual practice settings.
- MS-AHEOR instructors are experienced practitioners. They have been there and done it.
- Courses for the MS-AHEOR are offered entirely online, utilizing best practices in web-based learning
Admissions Considerations/Prerequisites

- Earned baccalaureate degree with GPA of 3.0 or higher
- GRE or equivalent (MCAT, LSAT, etc.) or graduate degree or at least 9 credits of appropriate graduate coursework with grade of B or higher
- Competency in basic statistics
  - Demonstrated by undergraduate/graduate coursework or passing score on JSPH statistics qualifying test
- Competency in medical terminology
  - Demonstrated by undergraduate/graduate coursework or passing score on JSPH statistics qualifying test
Application Process

- Online application form
  - Essay/personal statement

- Self-managed application process:
  - Official transcripts
  - GRE scores or equivalent (if applicable)
  - Two letters of recommendation
  - CV/resume
  - TOEFL information
Tuition, Fees, & Financial Aid

• Masters Degrees & Certificates (per credit) = $1,046
  – Senior/Military Matriculated = $836

• IT & Library Fees = $50-200 depending on term and number of credits taken

• Financial Aid:
  – 215-955-2867
  – http://www.jefferson.edu/financialaid
Rolling Admissions

• Once a completed application and supporting documents are received, students will be notified within three (3) weeks of our admissions decision (this includes interview process).

• For consideration for Spring Term 2014, online application is due by Nov 1st and supporting documents are due by Nov 15th.

• For Fall Term 2014, online application is due by July 1st and supporting documents are due by July 15th.
Questions/Key Contacts

• Program Questions or other issues: 
  Caroline Golab, PhD, Associate Dean for Academic Affairs
  Email: caroline.golab@jefferson.edu
  Phone: (215) 503-8468

• Program specific content: 
  Joseph Jackson, PhD
  Director, AHEOR
  Email: joseph.jackson@jefferson.edu

• Application Process and Documents: 
  April Smith
  Email: april.smith@jefferson.edu
  Phone: (215) 503-5305
Your Questions?