Integrating Healthcare, Research, and Education

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First, who we are…

AAMC

Who Are Our Members?

The members of the AAMC are institutions rather than individuals. They include:

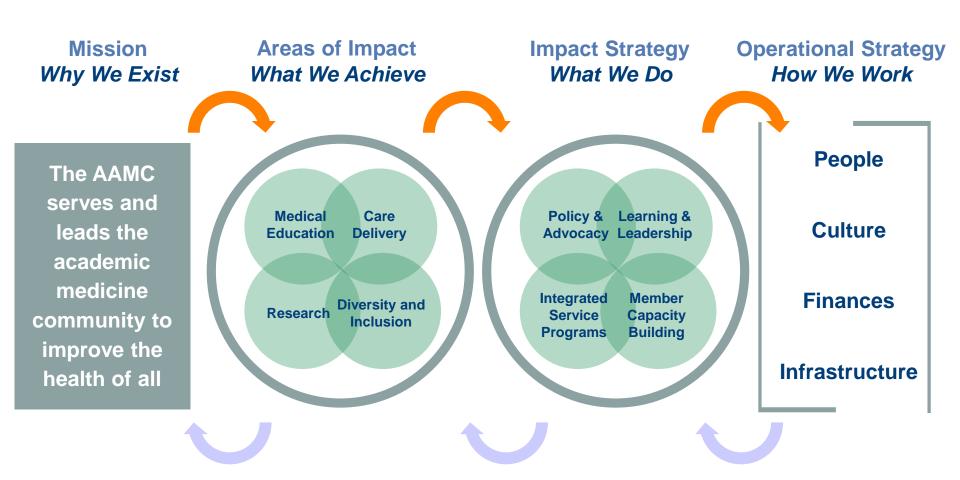| Medical Schools	Teaching Hospitals	Academic Societies
• 141 accredited U.S. medical schools • 17 accredited Canadian medical schools	• Almost 400 teaching hospitals. 　• 98 affiliated health systems 　• 51 Department of Veterans Affairs medical centers	• 93 academic and professional societies

128,000 faculty members, 75,000 medical students, and 110,000 resident physicians.

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AAMC Strategy Map

Mission
Why We Exist

The AAMC serves and leads the academic medicine community to improve the health of all

Areas of Impact
What We Achieve

- Medical Education
- Care Delivery
- Research
- Diversity and Inclusion

Impact Strategy
What We Do

- Policy & Advocacy
- Learning & Leadership
- Integrated Service Programs
- Member Capacity Building

Operational Strategy
How We Work

- People
- Culture
- Finances
- Infrastructure

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AAMC's Research on Care Community

Researchers and clinical providers engaged together in implementation research to improve quality, safety, health equity and outcomes of their own patient populations.

AAMC Research on Care Community

AAMC Research on Care Community

ROCC member survey (September 2014)

- 325 individual members from 151 institutions representing vice/assoc. deans, CMOs/VPs, chairs, and professors.

- 90% ROCC members current engaged in a collaborative research project with CLINICAL colleagues.

- 67% ROCC members currently engaged in a collaborative research project with TEACHING faculty.

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AAMC Research on Care Community

AAMC / Donaghue Foundation Award Winners

The HEART Pathway: Bridging the Gap between Operations, Research and Education – PI Simon Mahler, MD

"This approach will build a transformative collaboration between research, education, and health systems operations" – **Dean Wake Forest SOM**

EHR Simulation to Improve Communication and Reduce Errors in the ICU – PI Jeff Gold, MD

"An eye-opening project that is the first of its kind to extend beyond the clinical setting to include educational/training components"- **CMO Oregon Health & Science University**

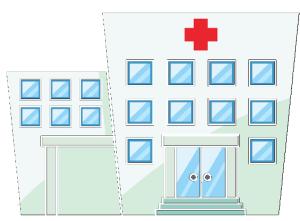# Learning Health System Champion and Pioneer Research Award

Systematic approaches that facilitate research, education and health system collaboration

Champion Awards
$5,000 each

Learning

Pioneer Award
$10, 000 each

Learning Health System Research Awards

Special Innovation Award
  Loyola University Chicago Stritch School of Medicine

Champion Award Winners
  University of Chicago, Department of Medicine
  Massachusetts General Hospital
  Emory University, Healthcare Innovation Program
  Meharry-Vanderbilt Alliance, Vanderbilt University
  University of Missouri-Columbia School of Medicine

Pioneer Award Winners
  Duke University School of Medicine
  Henry Ford Health System
  Medical College of Wisconsin
  Saint Francis Hospital and Medical Center, University of
  Connecticut School of Medicine
  University of Alabama at Birmingham (UAB)
  University of Wisconsin School of Medicine and Public Health
  Yale-New Haven Hospital

Learning Health System Champion and Pioneer Award

- The AAMC Learning Health System Challenge and Planning Award recognizes systematic efforts that enhance research activity and collaboration.

- Each **Champion Award** winner receives a $5,000 prize.

- Champions represent best practice in research, health system, and education collaboration

- Each **Pioneer Award** receives $10,000 to develop a grant to study the implementation of a systematic change that enhances research.

- In addition to the awards, travel support is provided to allow for face to face learning between challenge and planning awardees.

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Examples of Learning Health System Awardees

- **Clinical Research Database**
  - Ron Price, Loyola University Chicago Stritch School of Medicine

- **Community Engagement Studio**
  - Consuelo H. Wilkins, MD, MSCI; Meharry-Vanderbilt Alliance

- **Learning system linking clinical quality improvement, maintenance of certification, and research**
  - Nancy Pandhi, MD, PhD, MPH; UW Health

- **Multi-institutional network that accelerates innovation in health services research and education**
  - Fred Sanfilippo M.D., Ph.D., Emory-Georgia Tech Healthcare Innovation Program

Clinical Research Database

- Large-scale, de-identified clinical data structured to support a wide range of clinical analytics

- CRDB accessible via web app for casual users (e.g., faculty, housestaff and students) and via a number of tools for advanced users (e.g., analysts, bioinformatics staff, etc.)

- Connection to IRB submission system for access to identified data

- Data from Epic/IDX: 2007 -2013

- 2 million patients; 7.5 m patient encounters; 20 m Lab / Rad procedures; 36 m prescriptions; 1 b vitals / physician findings

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Community Engagement Studio

- Structured sessions that engages patients, consumers, and other non-academic stakeholders appropriate to the need

- Standing community engagement capability for a wide array of community interactions.

- Guided approach for both the community and researchers (coaching)

- Established approaches to engage patients/community members in different stages of research consultation and reduce barriers to participation

- Previous studios have focused on design, recruitment, dissemination, implementation, and consent

- Used in PCORI award

Learning system linking clinical quality improvement, maintenance of certification, and research

- UW Health became a MOC Portfolio Sponsor and can provide MOC Part IV to faculty completing high quality improvement work on behalf of 18 participating Boards

- Physicians enroll through the UW Health MOC web site in organization-wide improvement projects (through QI registry)

- Quality improvement team provides education and training in improvement science

- Quality improvement team works with frontline care teams, ensuring high quality improvement work benefiting physicians working on Maintenance of Certification Part IV

- Also developed QI publishing resources, analysis and manuscript preparation assistance

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AAMC Learning Health System Research Awards

The 13 institutions have so far:

- Submitted 7 grant applications

- Been awarded 3 grants (PCORI, AHRQ, Medscape)

- Submitted 4 manuscripts for publication

- Published 4 manuscripts

- Delivered 31 presentations about their work

- Transferred knowledge and expertise to 30 institutions in a peer-to-peer learning exchange

- Six institutions have developed implementation plans

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Tomorrow's Doctors, Tomorrow's Cures

Learn

Serve

Lead

Association of
American Medical Colleges