Training the Physicians of the Future

Susan E Skochelak, MD MPH

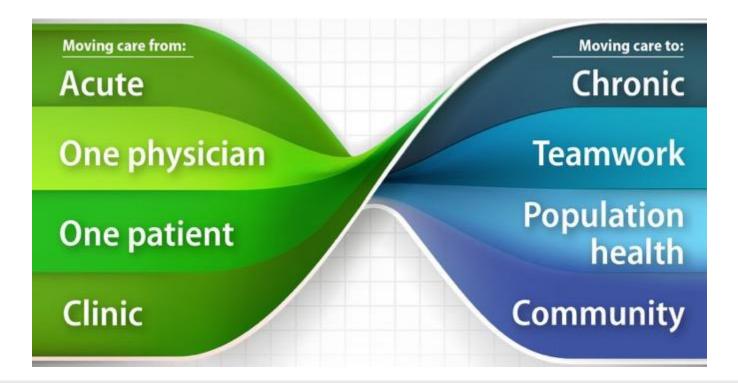
Chief Academic Officer and Group Vice President, AMA

The Leadership Institute Roundtable

February 13, 2019



Evolving Medical Education for New Models of Care

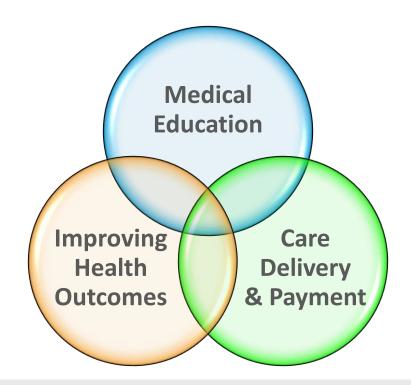




AMA Strategic Focus Areas: 2013

"To promote the art and science of medicine and the betterment of public health"

Advance results focused initiatives the improve public health, medical education, practice sustainability and professional satisfaction





Accelerating Change in Medical Education Initiative

- \$13.5 million in grants to medical schools
 - 11 schools in 2013
 - 21 schools in 2016
- Consortium formed to jumpstart and speed dissemination of ideas
 - Venue for collaboration, innovation and scholarship
 - More than 100 peer reviewed articles; 3 textbooks



AMA ACE Innovation 2013-2018: 32 Stories of Change



















































































College of Osteopathic Medicine













\$12.5 MILLION

to
32 MEDICAL SCHOOLS

19,000

MEDICAL STUDENTS

WHO WILL ONE
DAY PROVIDE CARE
FOR MORE THAN
33 MILLION
PATIENTS ANNUALLY

18% OF ALL OSTEOPATHIC & ALLOPATHIC STUDENTS ATTEND CONSORTIUM SCHOOLS



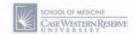
SCHOOLOFMEDICINE









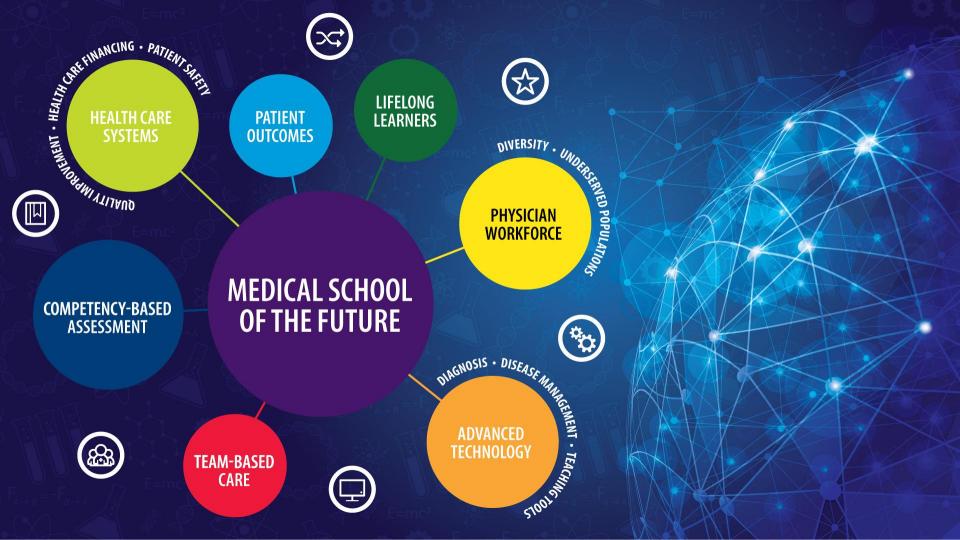












Creating the Medical Schools of the Future: Together, we have....

- Created flexible, individualized learning pathways in medical school
- Integrated medical education within health care systems to bring value
- Developed a new, third pillar for medical education: Health System Science
- Supported learning and assessment through application of technology and a positive learning environment



Flexible, individualized learning pathways

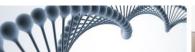
- Exemplar schools:
 - OHSU, UCSF, Vanderbilt
 - NYU, UC-Davis w/ shortened tracks

Innovations

- Portfolios and dashboards
- Coaching roles for faculty
- Badges for deep learning















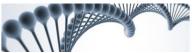
Working with health systems in new ways

- Exemplar schools:
 - ECU/Brody
 - Penn State
 - UC-Davis

- Innovations
 - Patient navigation role for students
 - Longitudinal integration in care system
 - Faculty development
 - Teaching academy for quality



















Began with Faculty Development for 35 clinical faculty Teaching for Quality Academy
QI projects using IHI modules
Health Care system now funds academy

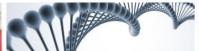
Providing exemplary learning in new areas

- Exemplar schools:
 - Brown
 - Mayo
 - Penn State
 - Michigan

- Innovations
 - 25-30% new curriculum
 - "Third Science":Health SystemScience
 - Population health degree program







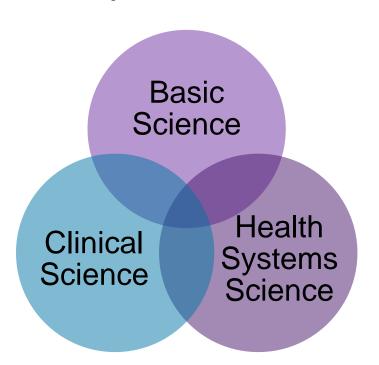








Health System Science: 3rd Pillar in HP education



- Patient population management
- Health care disparities
- Informatics
- Quality and Safety
- Health care financing
- Leadership
- Clinical informatics
- Working in teams









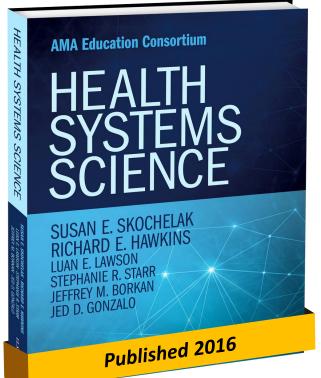


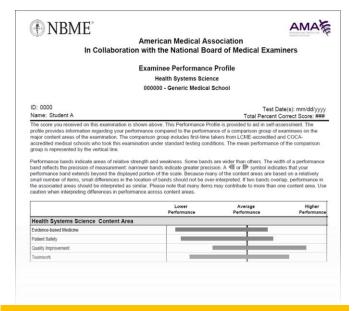




Consortium achievement

Health systems science





Subject exam created with the National Board of Medical Examiners



Enhancing the learning environment

- Exemplar schools:
 - NYU
 - Indiana
 - Vanderbilt

- Innovations
 - Teaching EMR clinical learning platform
 - "Health Care by the Numbers" course on use of big data
 - Electronic learning portfolios















NYU School of Medicine

Health Care by the Numbers

This project is funded by the AMA Accelerating Change in Medical Education Program.

The NYU 'Healthcare by the Numbers: Populations, Systems, and Clinically Integrated Data' curriculum leverages an integrated partnership of our School of Medicine and NYU Langone Medical Center to transform our medical school curriculum. By creating a three-year long program of education for our students that is based on the real clinical data of our practices, we are accelerating changes in what we are teaching so as to be aligned with the future demands of practice.

"Our hope is that this robust curriculum will prepare our graduates to meet the future needs of the ever evolving healthcare delivery system by giving them the tools and skills necessary to care for not just an individual patient, but for an entire population of patients,"

— Marc Triola, MD, associate dean for educational informatics, principal investigator

NYU Project Team:

- · Ruth M. Crowe, MD. PhD
- Greta Elysee
- Lindsay Jubelt, MD, MSHP
- Armine Lulejian, MPH, EdD

- Martin Pusic, MD, PhD
- Mark Schwartz, MD
- Marc Triola, MD

Quick links to Resources:

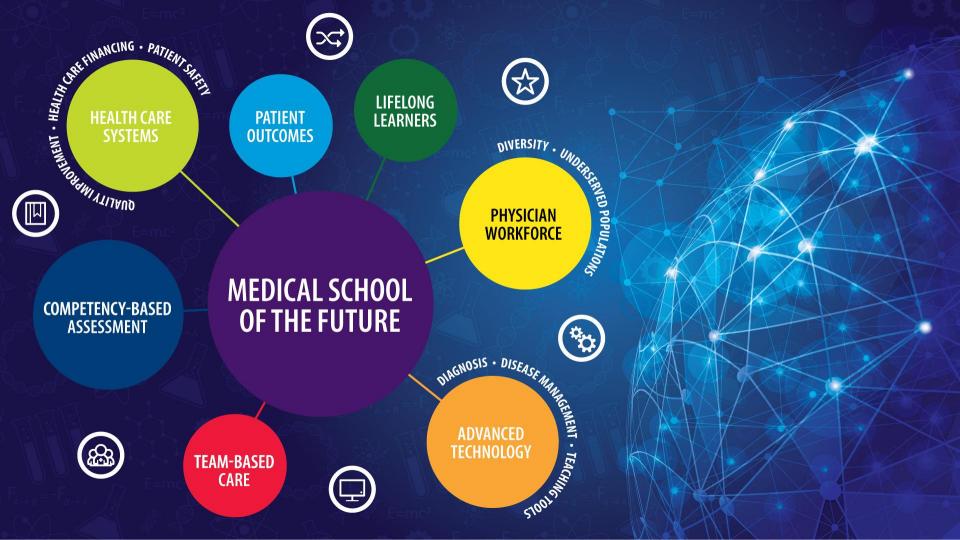
Healthcare by the Numbers Curriculum

Lecture materials, slides, small group session handouts, and links to projects.

Clinical Data Student Project using SPARCS

Student project using over 5 million patient records from NY State hospitals.

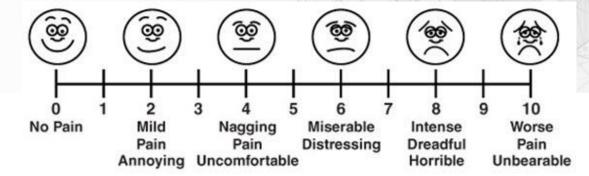
Virtual Outpatient Practice Student Exercise





Pain points along the UME - GME Continuum

- Inflexible policies for entry into residency
- Service needs remain focused on inpatient
- Lack of understanding of health systems practice
- "July Effect"
- Incomplete readiness for practice entry





Designing solutions for the UME-GME Continuum

- Interviews with GME leaders, residents, Pls
- Meetings with health systems leaders
- New AMA GME National Advisory Panel:
 ACGME, NRMP, AAMC, AHA, AIAMC, OPDA,
 NBME, ABMS, AACOM, DIOs, CMOs,
 Program Directors, Resident, Student

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New Opportunity for AMA Leadership in GME Education

Building on the ACE work, AMA will establish a new five-year initiative to address challenges associated with the transition from UME to GME

And will develop physicians' skills in health system science during residency training to address workforce needs across the continuum of physician training







CREATING THE RESIDENCY PROGRAMS OF THE FUTURE

Accelerating Change in Medical Education Reimagining Residency Initiative

Funding opportunity description

The American Medical Association's "Accelerating Change in Medical Education" initiative is designed to enhance physician training, preparing the medical profession to meet the challenges of today's practice environment. Across the continuum of physician education, the gap between how physicians are trained and the future needs of our health care system continues to be a challenge. The American Medical Association (AMA) is working to close this gap by stimulating collaboration to promote innovative change that better aligns education outcomes with the

