

Evolution of the ABIM's Competency Based Medical Education (CBME) Pilot in Internal Medicine-Cardiology

Chittur A. Sivaram MD FACC, Lisa A. Mendes MD FACC, Julie B. Damp MD FACC, Eric Stern MD FACC, Deepak Bhakta MD FACC, Shouvik Chakrabarty MD, John McPherson MD FACC, Salvatore Cilmi MD, Mitch Goldman MD
University of Oklahoma, Vanderbilt University, Icahn School of Medicine at Mount Sinai, Indiana University

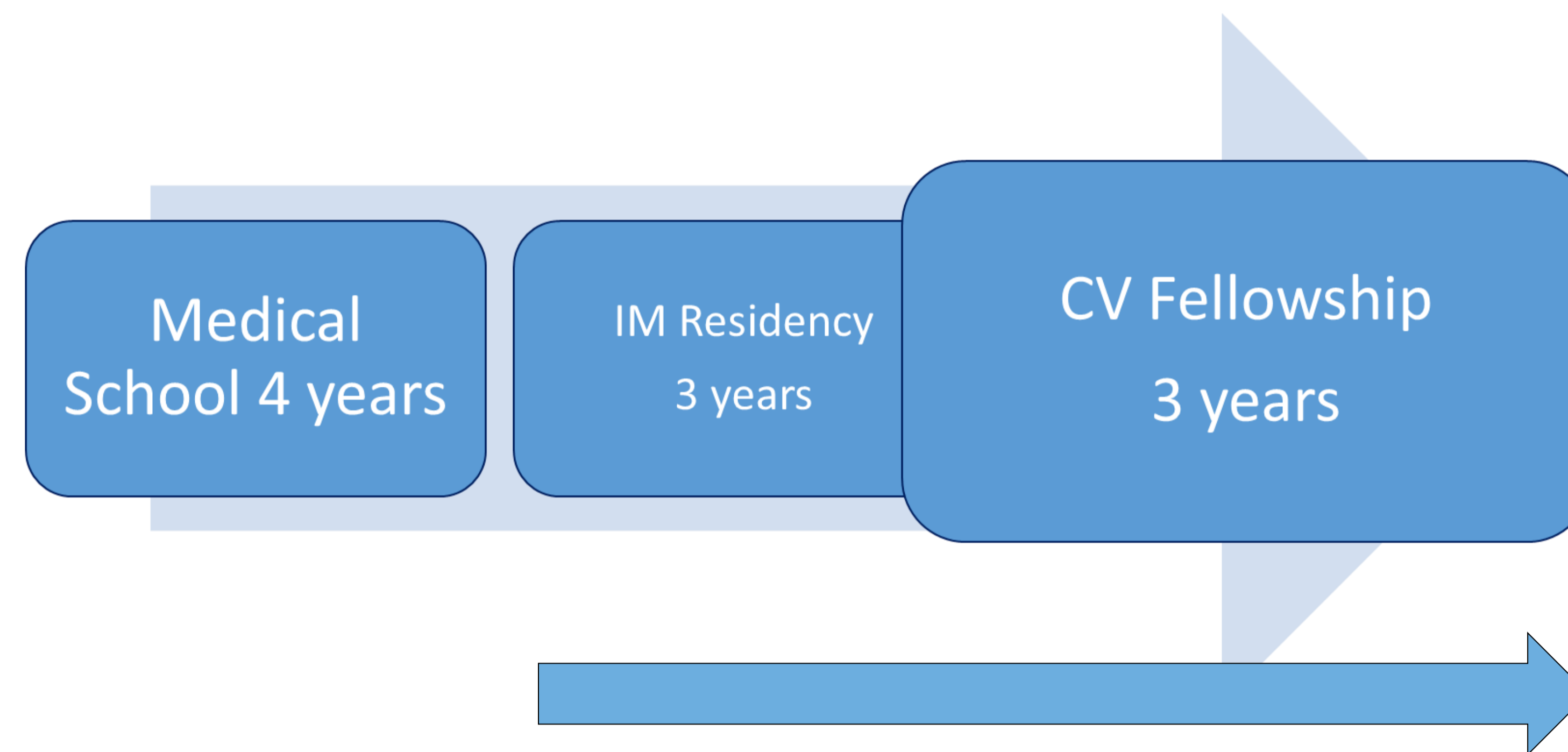
Pilot's Study Objectives

- To test the feasibility of administering four competency based rotations focused on cardiology ('hybrid rotations') during third year of residency to carefully selected IM residents already selected for cardiology fellowship training. While these rotations provide credit for both IM and cardiology training, the total duration of training to complete cardiology fellowship remains unchanged at 6 years (3 IM + 3 cardiology).
- To demonstrate that Pilot residents' performance is non-inferior to the traditional track first year cardiology fellows during the hybrid rotations through assessments in the ACGME's six core competency domains.

Traditional Training Pathway for Cardiovascular Training - 6 years



ABIM IM-Cardiology Pilot Pathway- 6 years



Methods

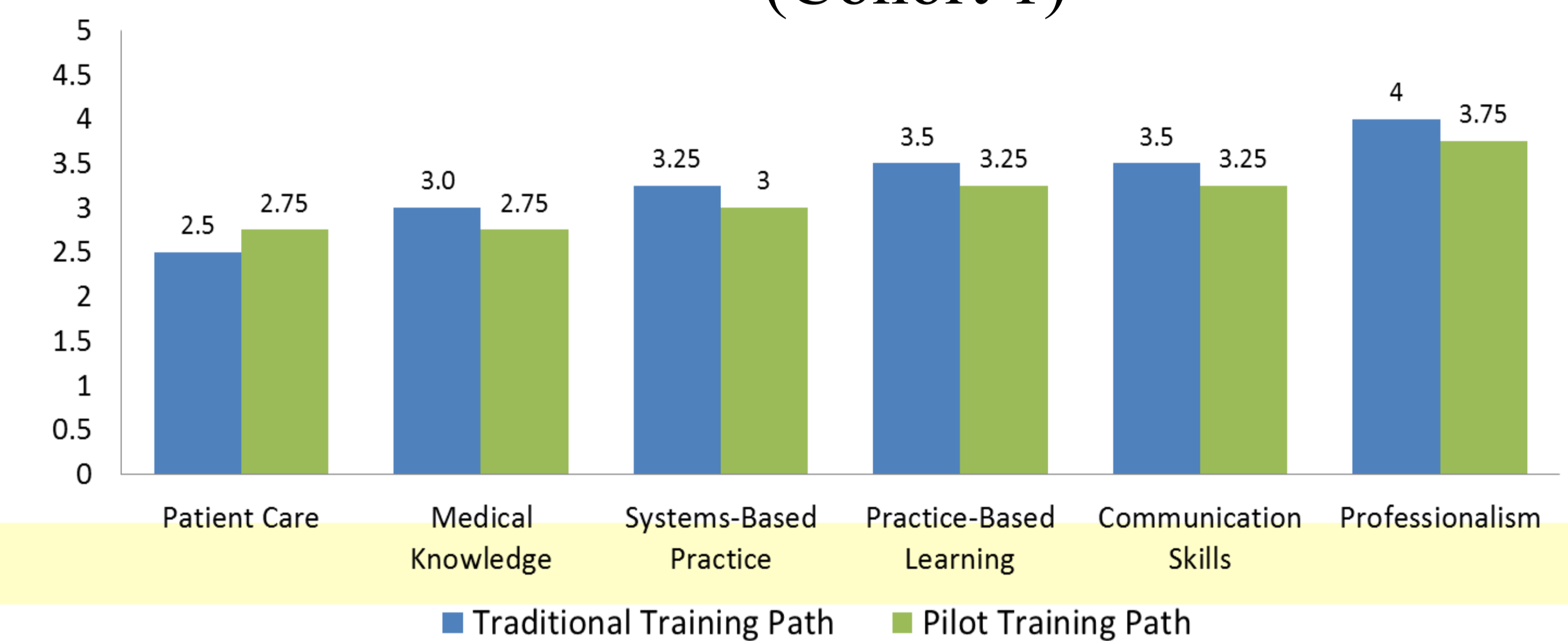
To test feasibility of CBME in Internal Medicine residency and fellowship programs, ABIM began its graduate medical education (GME) pilots in 2012. The Pilot in Internal Medicine and Cardiology started in 2014 July with University of Oklahoma, Vanderbilt University, Icahn School of Medicine at Mount Sinai and Indiana University as the 4 sites nationally. Each site selected one Pilot trainee per site in 2014 (Cohort 1). Institutions began their participation in the Pilot in July 2014 and incorporated 4 'hybrid rotations' required of all the 4 Pilot sites during third year IM residency (echocardiography, vascular medicine, prevention & risk reduction and EKG & stress testing). Credit from the 4 'hybrid' rotations accrued both towards cardiology and IM. The second year of the Pilot began in July 2015 with the addition of one more Pilot resident per site (Cohort 2). Pilot resident performance in echocardiography rotation (most cardiology specific) was compared with traditional first year fellows from all the 4 sites in July 2015. Pilot resident feedback and self-reflection was obtained to assess effectiveness of the Pilot.

Sponsor of the Pilot: American College of Cardiology

Preliminary Results

- The Pilot residents performed as well as the traditional track first year cardiology fellows in the six core competency domains during echocardiography rotation- most cardiology specific (see below).
- The pass rate of Pilot residents from Cohort 1 in ABIM examination in IM for was 100% (3/4), not different from their traditional track counterparts. Suggests Pilot is a NON-INFERIOR approach to training

Echocardiography Entrustment Reporting by Faculty (Cohort 1)



Limitations

Limited number of study subjects

Progress and Future of the Pilot

Second year of the Pilot started in July 2015 (Cohort 2), with all 4 sites participating (4 total Pilot residents)
 Cohort 1 (4 Pilot residents from 2014-15) are now in first year of cardiovascular fellowship and performing well
 Cohort 3 recruitment in progress at all 4 sites at present

Unresolved Issues & Debates

- Will additional centers be recruited to the Pilot?
- Will the Pilot lead to shortened IM + Cardiology training?