

Training EMR in a Case-based Curriculum

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Introduction



The Sidney Kimmel Medical College (SKMC) at Thomas Jefferson University (TJU) is creating a new medical curriculum (JeffMD), in which more learning will take place in small groups and individual activities.

In their small groups, students will focus on core case studies that will become increasingly complex, each building on the prior phase of the curriculum.

Project Description



We will incorporate the teaching Electronic Medical Record (tEMR) developed by Indiana University (IU) and the Regenstrief Institute (RI) into the JeffMD curriculum and TJU Health Mentors Program, the latter an inter-professional healthcare team educational program. Working in their interprofessional teams, students will supplement standardized patient encounters with tEMR cases, helping to manage the demand for the clinical skills and simulation center.

Summary



The tEMR will provide a scaffolding that the medical educator can use to make patient cases more challenging as the student achieves clinical reasoning milestones. It provides a realistic process for demonstrating the importance of basic sciences in clinical practice.

Students, in an interprofessional environment, will learn diagnostic reasoning alongside relevant basic science knowledge.

Project Goals and Objectives



- Teach students how to use an EMR
- Extend/enhance standardized patient experiences
- Measure student-physician empathy with use of new JeffMD curriculum
- Develop platform to assess clinical competence/progress
- Develop platform to assess team communication skills
- Teach how health system data can be used in population health

Project Evaluation



Sources/Metrics to be used:

- Blackboard/iCE
- ExamSoft/New Innovations/PELS
- tEMR student logs
- Jefferson Scale of Empathy
- Medical Student Safety Attitudes and Professionalism Survey
- Natural language processing tools
- AAMC Graduation Questionnaire
- JeffMD Student Advisory Committee
- Committee on Curriculum

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