Using EPAs and Miller’s Pyramid to create Pre-Clinical Assessment Milestones and Focus Curriculum Mapping

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**OBJECTIVES**

1. Describe the development process of incorporating EPAs into the pre-clinical years.
2. Utilizing the collaborative efforts of basic science and clinical faculty, assess institutional capacity for implementation of EPAs into the curriculum mapping architecture.
3. Describe the use of Miller’s Pyramid of Clinical Competence as an assessment tool to help drive the use of EPAs to organize assessments for longitudinal evaluation.
4. Identify gaps in the curriculum by using EPA mapping data.

**METHODS**

**METHODOLOGY**

- **ACOM** is developing a new strategy to incorporate and integrate EPA derived standard statements into ACOM curriculum mapping architecture in order to standardize across the curriculum what the student should know, apply and perform by the end of each semester.
- **Assess each student’s performance in the curriculum according to these standards.**
- **Capacity gap statement.**

**OUTCOMES**

- **Track student progress towards entrustment longitudinally by semester.**
- **Improve curricular and assessment focus.**
- **Identity curriculum gaps.**

**CHALLENGES**

- **Effective communication to faculty of need to integrate EPAs into the delivery of the pre-clinical curriculum and student assessment at ACOM.**
- **Data produced to show where EPA standard statements were taught in the 1st and 3rd semesters.**
- **Data produced to show aggregate student performance outcomes on the EPAs mapped using a systems-based course as the beta test course.**

**FUTURE DIRECTION**

- **Continue to identify what EPA competencies are not addressed in semesters 2 and 4.**
- **Document student performance outcomes to give direction on future curriculum change.**
- **Continue to better measure and assess student performance outcomes using assessment and performance data from ExamSoft, OSCE, Lab Practicals (OPP and Anatomy), etc.**
- **Continue to tie back to learning events mapped to the EPAs and ACOM EPA standard statements.**
- **Merge overlapping EPA standard statements with all 4 pre-clinical semesters for better tracking of each EPA longitudinally.**
- **Track student performance at a more granular level.**

**RESOURCES**

**REQUIRED TOOLS:**

- **6 teams - Clinical & Basic Sciences faculty**
- **13 tables - 1 per EPA**
- **World Café Activity Sheets**
- **Miller’s Pyramid**
- **AACOM EPAs**
- **AOA Core Competencies**
- **ExamSoft Item Tagging Instructions**
- **LCMS+ (LMS) Mapping Instructions**
- **ACOM Curriculum & Assessment Architecture**
- **MS PowerBI**

**DATA OUTCOMES**

### STUDENT PERFORMANCE

**ExamSoft**

**Program Review**

**Data Analytics**

**Interactive Visualizations**

**Power BI**

**Diagram 5:** Sample data of aggregate student performance on EPAs addressed during the a systems course using scores from the “Examsoft” and event level mapping data from the Learning Management System (LMS).