

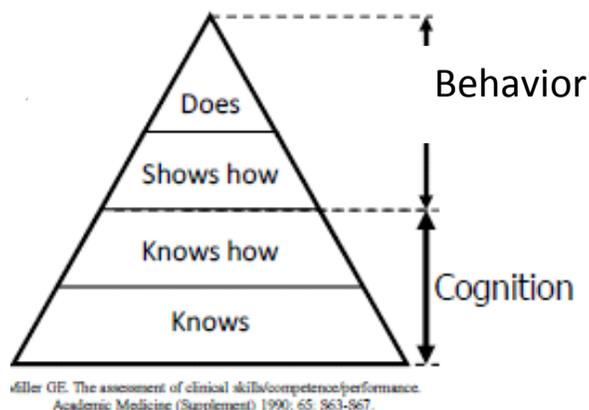
What is Competency-Based Medical Education?

The goal for competency based medical education (CBME):

Given its stated objectives and expected competencies, CBME documents the levels of achievement required of students to graduate from MCW.

CBME focuses on:

- Outcomes which define and measure the abilities/performances expected of graduates
- What the learner can “do” with their knowledge as visualized in Miller’s Pyramid →
- Then we work “back” from the outcomes to identify the markers/milestones which will indicate progression to graduation.



Process:

We monitor progress--the “milestone markers” -- for students:

- In the design of the Discovery Curriculum and the associated assessments (e.g., question bank categories, OSCEs, multiple-choice tests), they use a common coding scheme or “ontology” (e.g., a Dewey Decimal-like system).
- We can then aggregate all items with “like codes” to monitor what has been taught and what students have learned to date (e.g., where *therapeutics* been taught or tested).
- Students and faculty will then be able to see progress to date in each of MCW’s competency domains with opportunity to “drill down” two levels.

Eight Competency Domains: [MCW Global Competencies](#)

1. Patient Care	4. Interpersonal and Communication Skills	7. Interprofessional Collaboration
2. Knowledge for Practice	5. Professionalism	8. Personal and Professional Development
3. Practice-based Learning and Improvement	6. Systems-based Practice	

Details to plan for:

- The course/unit director will code all instruction and assessment to our competencies using session objectives.
- ExamSoft can report by competencies and USMLE content code what was tested to monitor our mile marker progress.

References:

Frank JR, et al. Competency-based medical education. *Med Tch* 2010;32:638-645.

Iobst W, et al. Competency-based medical education in postgraduate medical education. *Med Tch* 2012;32:650-655.

For more information on how to incorporate this strategy into your class, contact acad_oei@mcw.edu.