

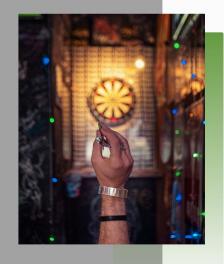


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Overview of today's program

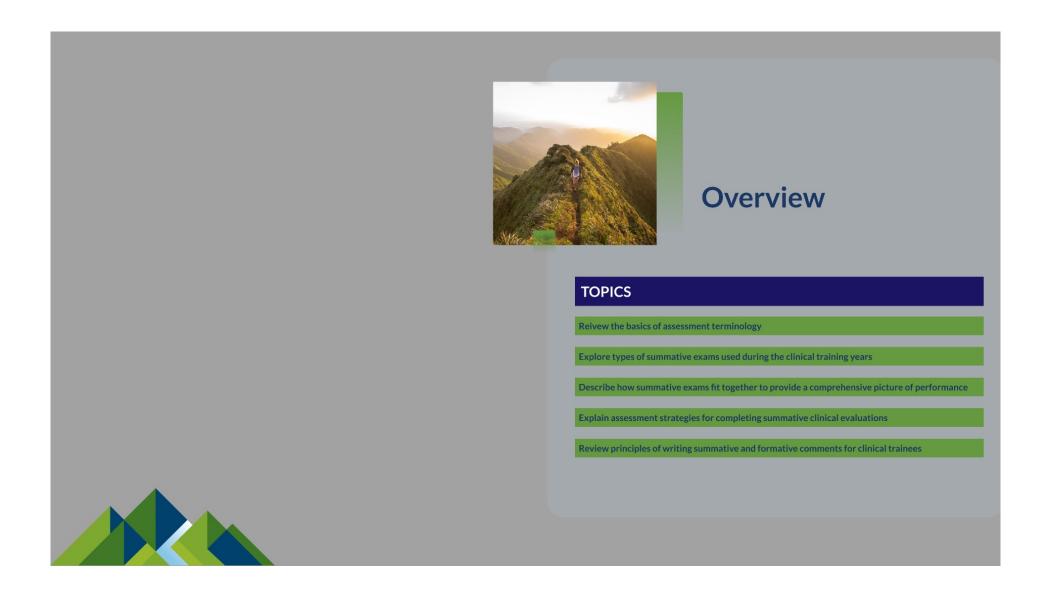


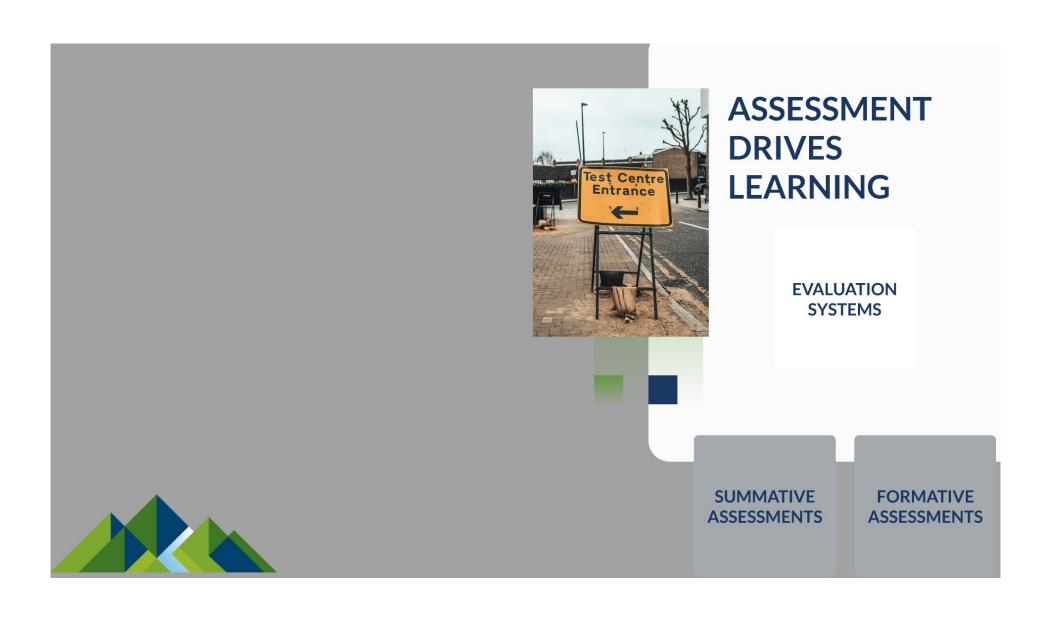
OBJECTIVES

- Describe various assessment tools used during the clinical years of undergraduate medical training
- Explain how the assessments work together to create a comprehensive picture of performance
- Build skills to eaily complete clincal assessments in real time



Overview of today's program







Evaluation systems provide frameworks for medical trainees

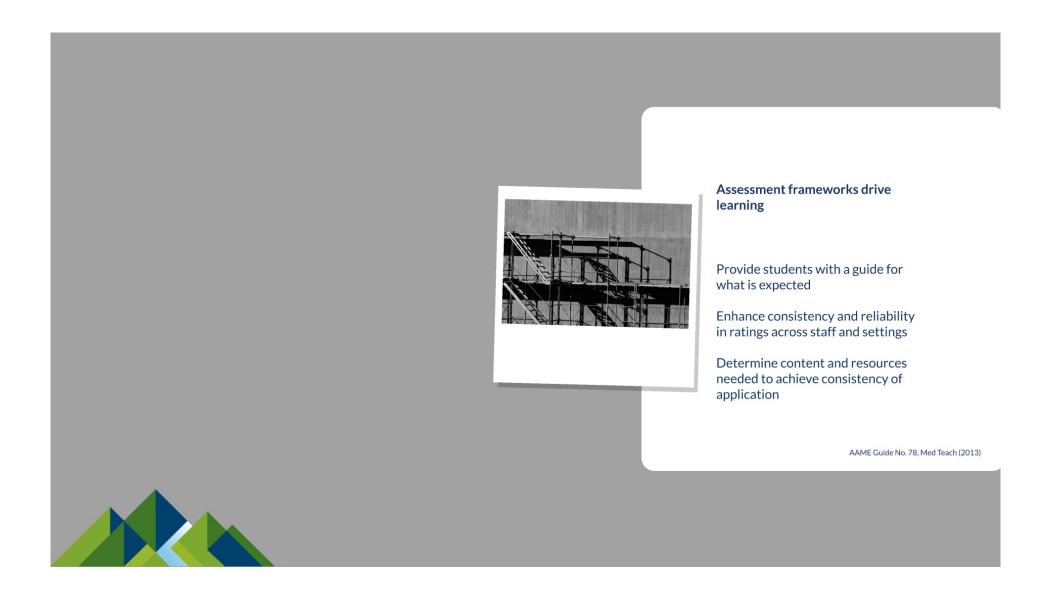
What is to be evaluated

What kind of observations or assessments are useful to allow judgements

How these should be compared to the standard of what is to be achieved by the learner

AAME Guide No. 78, Med Teach (2013)



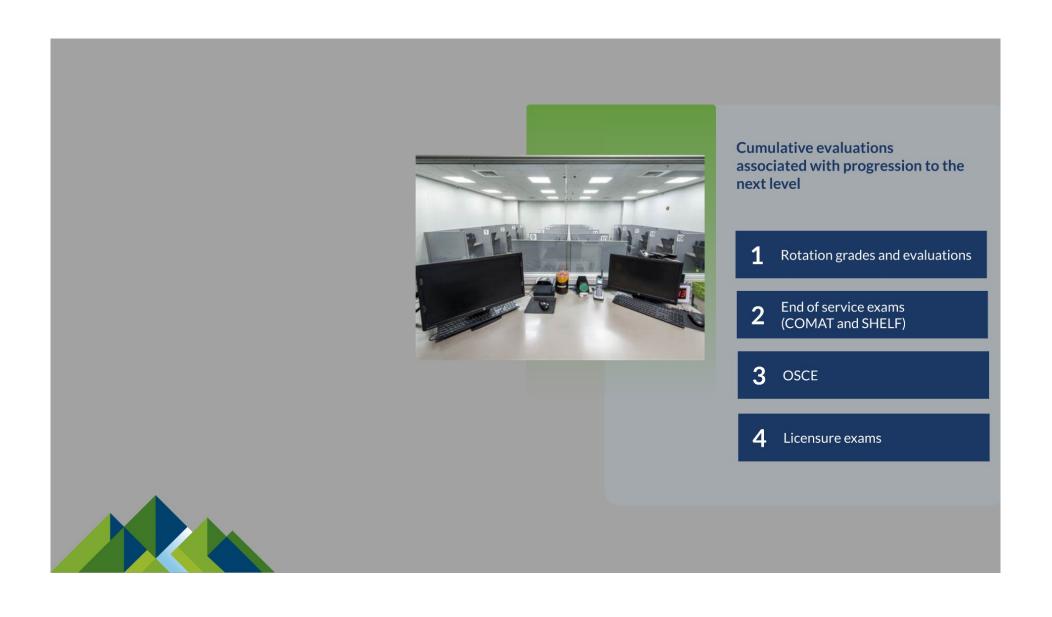


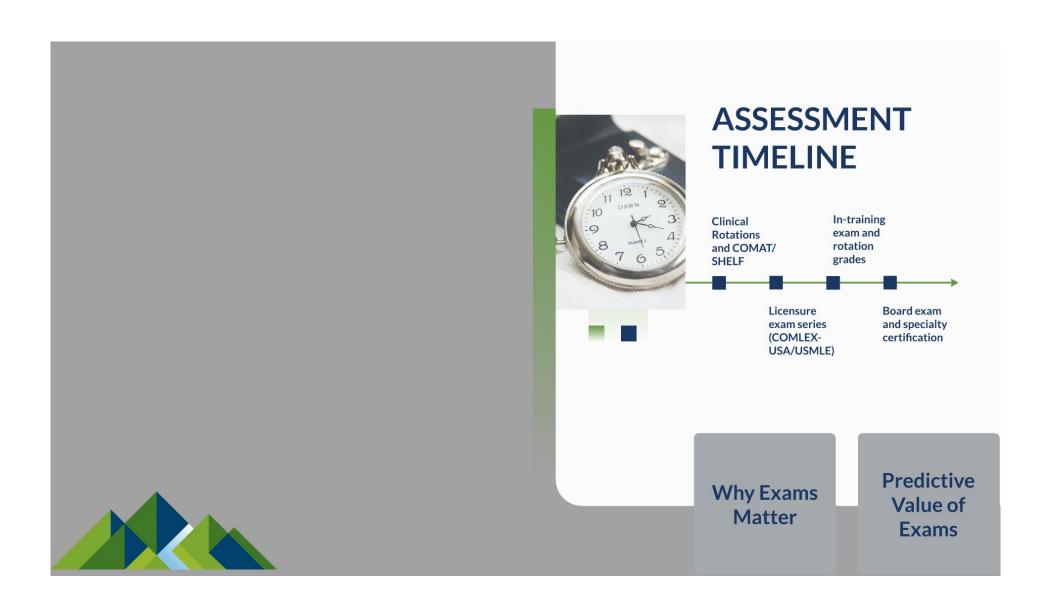


Intended to improve performance incrementally

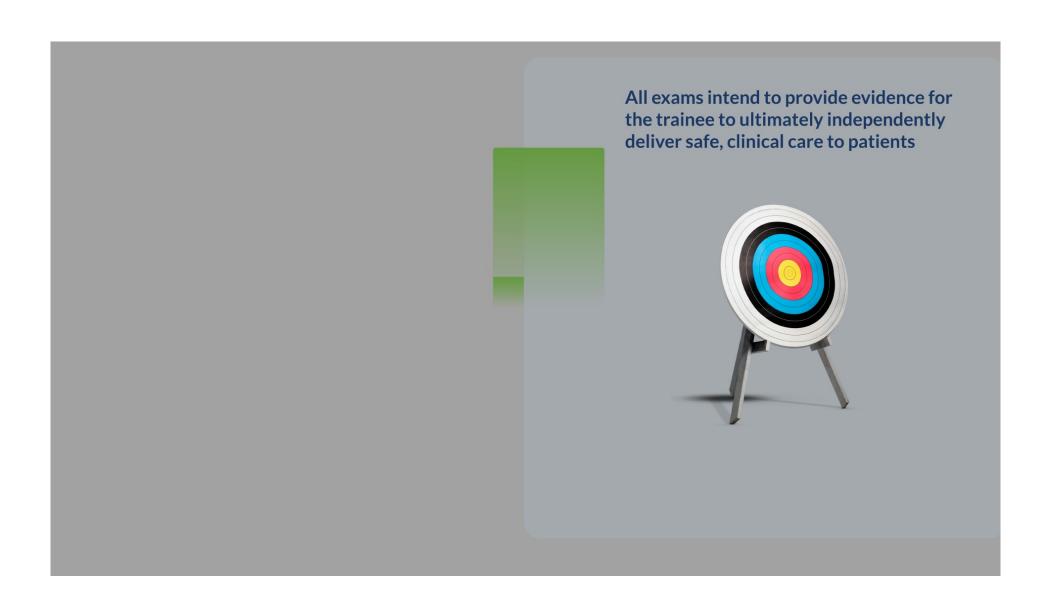
- End-of-shift cards
- 2 Daily huddles for feedback
- 3 Mid-rotation evaluations
- 4 Workplace-based assessments

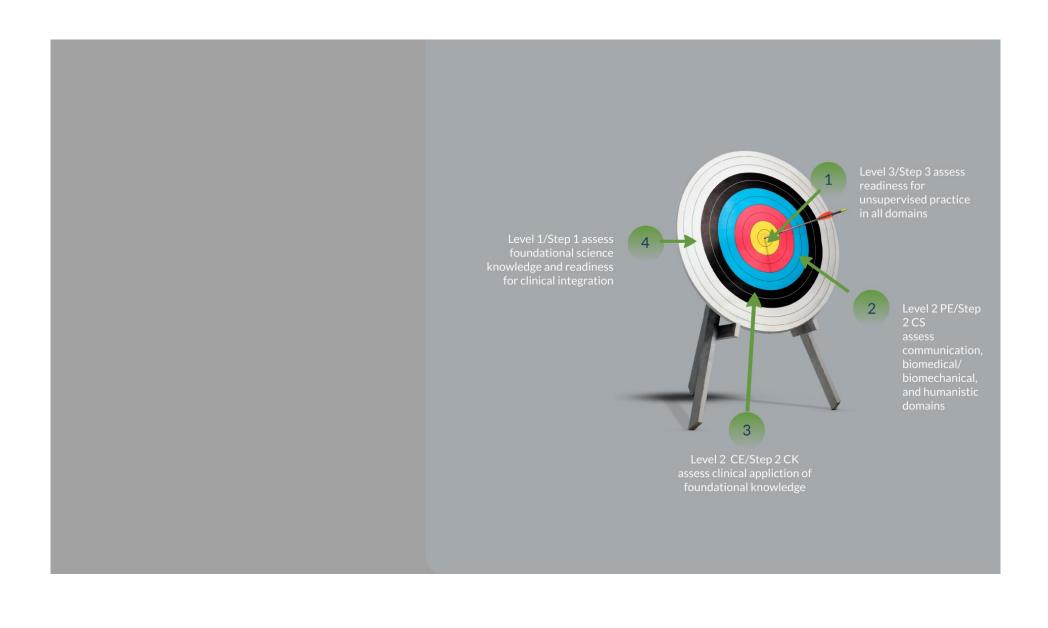






All exams intend to provide evidence for the trainee to ultimately independently deliver safe, clinical care to patients





Reasons for board actions addressed through exams

Level 1/Step 1 assess foundational science knowledge and readiness for clinical integration

SUBSTANDARD CARE: misunderstanding or misuse of scientific principles



Level 2 CE/Step 2 CK assess clinical appliction of foundational knowledge

SUBSTANDARD CARE: lack of clinical knowledge

Level 3/Step 3 assess readiness for unsupervised practice in all domains

SUBSTANDARD CARE: unprepared for independent practice

Level 2 PE/Step 2 CS assess communication, biomedical/ biomechanical, and humanistic domains

SUBSTANDARD CARE: poor communication skills, lack of empathy, some unprofessional behaviors

All exams intend to provide evidence for the trainee to ultimately independently deliver safe, clinical care to patients

How do recent changes in the standardized licensure exam series impact patient safety?





Level 1/Step 1

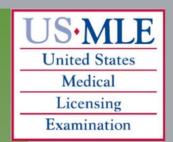


USMLE Step 1: no correlation between board action and score



Exploring the Relationships Between USMLE Performance and Di...:
Academic Medicine. Accessed October 26, 2022. https://journals-lww-com.proxy.pnwu.org/academicmedicine/Fulltext/2017/12000/Exploring_the_Relationships_Between_USMLE.41.aspx

Level 1/Step 1 Pass/Fail Transition



Potential increased weight on COMAT/STEP exam scores



Increased weight on Step 2CK, school pedigree

Pontell ME, Makhoul AT, Ganesh Kumar N, Drolet BC. The Change of USMLE Step 1 to Pass/Fail: Perspectives of the Surgery Program Director. J Surg Educ. 2021;78(1):91-98. doi:10.1016/j.jsurg.2020.06.034

Level 2 CE/Step 2 CK



USMLE Step 2: higher score --> lower odds of board action



25% decrease for 1-SD increase

Exploring the Relationships Between USMLE Performance and Di...:
Academic Medicine. Accessed October 26, 2022. https://journals-lww-com.proxy.pnwu.org/academicmedicine/Fulltext/2017/12000/
Exploring_the_Relationships_Between_USMLE.41.aspx

Level 2 PE/Step 2 CS





COMLEX Level 2 PE:
higher score in
biomedical/
biomechanical
domain--> lower
odds of board action

An Investigation of the Relationship Between COMLEX-USA Lice...: Academic Medicine. Accessed October 26, 2022. https:// journals.lww.com/academicmedicine/Fulltext/2020/06000/
An_Investigation_of_the_Relationship_Between.41.aspx

Level 2 PE/Step 2 CS





For residency directors, failure was more impactful than passing, and predicted risk for:

- Low NBME scores
- Low OSCE scores
- Poor faculty ratings

First-time pass rate 94% for US/ Canadian candidates

The United States Medical Licensing Exam Step 2 Clinical Skills Examination: Potential Alternatives During and After the COVID-19 Pandemic - PMC. Accessed October 26, 2022. https://www-ncbi-nlm-nih-gov.proxy.pnwu.org/pmc/articles/PMC8092027/

Level 3/Step 3

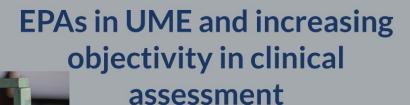




COMLEX Level 3:
higher score --> lower
odds of revoked
license, imposed
limitations to practice,
other acitons

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Observable, measurable units of practice

Reqire actionable and concrete skills

Integrate multiple competencies

Entrustable once trainee has demonstrated satisfactory unsupervisied performance





Ten Cate, O., Chen, H. C., Hoff, R. G., Peters, H., Bok, H., & Van der Schaaf, M. (2015). Curriculum development for the workplace using Entrustable Professional Activities (EPAs): AMEE Guide No. 99. Medical Teacher, 37(11), 983-1002. doi:10.3109/0142159x.2015.1060308

EPA 1: Gather a history and perform a physical exam	Pre-Entrustable	Entrustable
	Errors of omission or commission in gathering info	Routinely gather focused and accurate information in all settings including urgent, emergent or consultation
	Incorrectly perform physical maneuvers or miss key exam findings, inaccurately describes findings	Accurately perform complete and focused exam, identify abnormal findings and describe findings to team members
	Difficulty filtering, prioritizing or connecting pieces of information to each other, prior clinical encounters, or existing factual knowledge	Analytic reasoning and ability to activate prior foundational knowledge and clinical experience inform the choice of information gathering type, breadth and extent

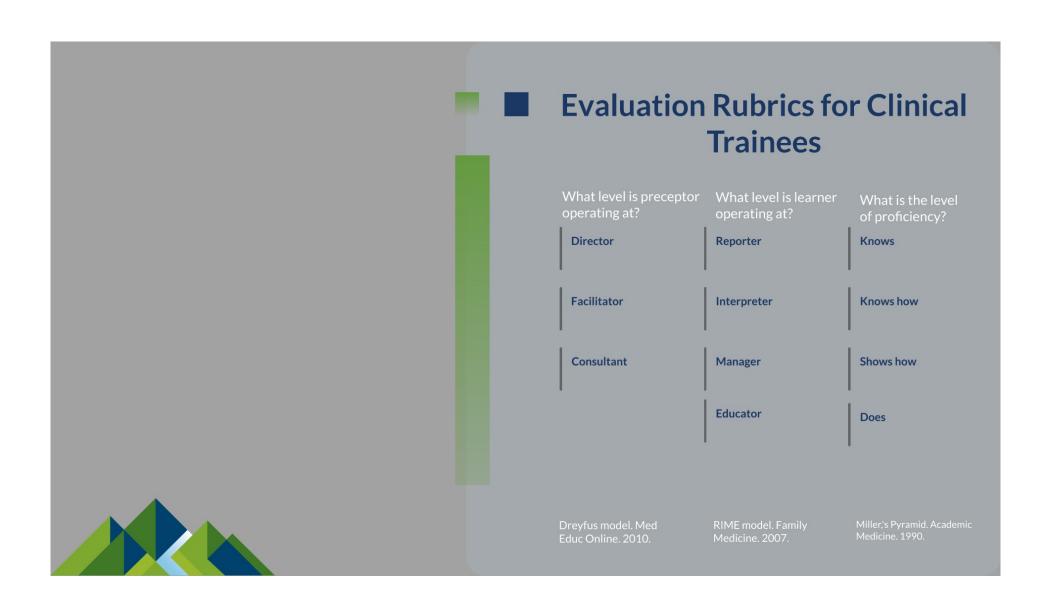
Evaluation Rubrics for Clinical Trainees





Systems to help guide:

- What should be evaluated
- What kind of observations are useful to allow judgements
- How the observations should be compared to the standard that the trainee should achieve







Be specific to the student

Provide quantifiable comparisons



Include examples of both hard and soft skills

Formative comments provide a path for improvement



