# Show Instead of Tell: Development of Online Video Modules to Teach and Assess Mental Status Examination

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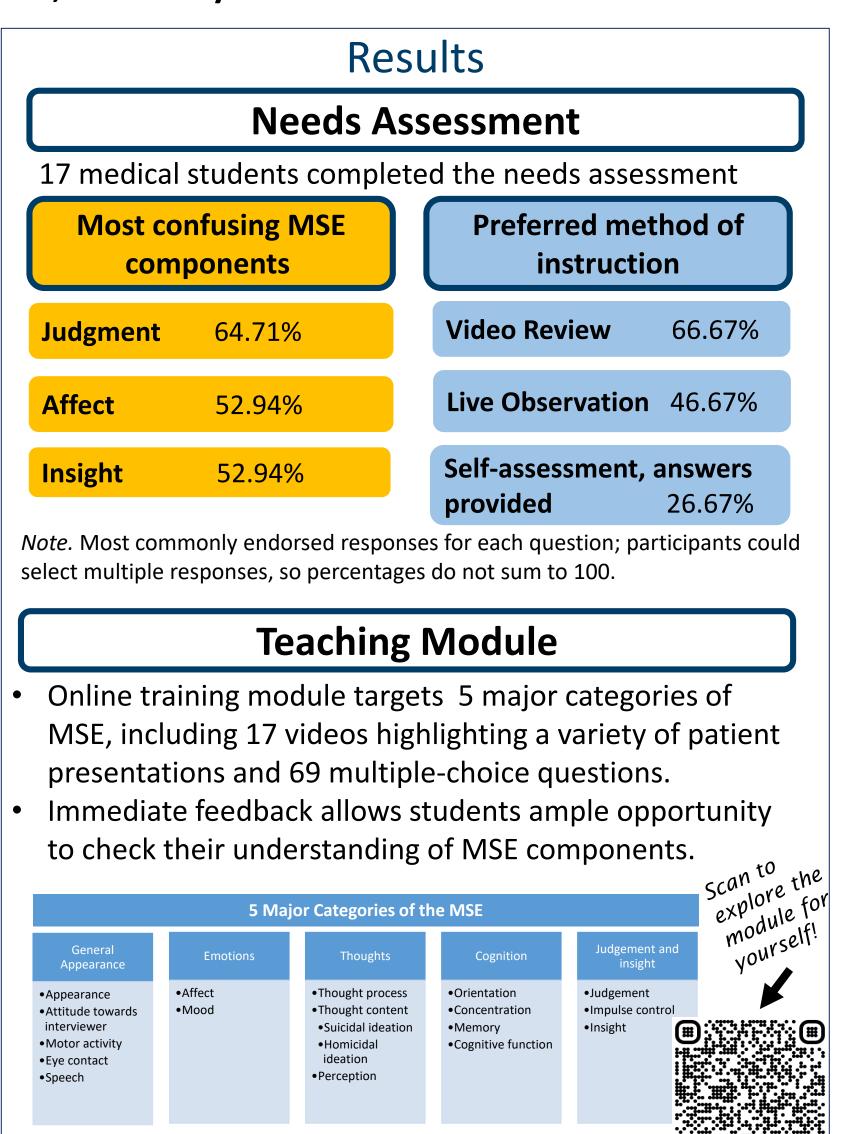
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## Background

- Mental status examination (MSE) is an evaluation of a patient's current mental functioning, which is equivalent to and complements the physical examination. It is a behavioral examination of the brain/mind conducted with a conversational approach, structured but not mechanical (Morrison, 1995)<sub>2</sub>.
- Current bedside teaching and assessment of MSE skills among URMC medical students is not standardized and is timeintensive for faculty
- Other medical educators have used videos to teach MSE, finding it feasible, acceptable to students, and resulting in better performance on assessment measures (Hansen et al., 2019; Martin et al., 2020).
- **Project aim**: Explore medical students' perceptions of MSE training during psychiatry clerkship, develop online video modules to teach MSE, and assess students' ability in conducting MSE.

### Methods

- Needs assessment: Medical students from the '21-'22 and '22'23 psychiatry clerkships were recruited via email and
  participated in a needs assessment survey. Surveys were
  analyzed to identify the most challenging components of MSE
  for students and students' preferred methods of instruction.
- Video Modules: We partnered with the Instructional Design for Excellence in Academics team to develop a self-guided, video-based online module to teach MSE and a complementary assessment module to evaluate medical students' abilities to perform MSE.



### **Assessment Module**

- Online module including 4 videos and 14 multiple-choice questions designed to assess student learning.
- Immediate feedback on answers to support students' continued learning.



#### Discussion

- Our module standardizes students' exposure to a variety of patient presentations and students' assessment of MSE skills, while reducing faculty burden and increasing opportunity for naturalistic bedside teaching.
- Future directions include pilot testing with current clerkship students to assess student acceptability of the module and to analyze the quality of assessment questions.
- Further development may include the creation of additional assessment videos and questions to build a question/item pool to limit risks to academic integrity.
- Acknowledgements: Thank you to the medical students who shared their experiences and to Jennie Peck with the IDEA team for turning our content into a polished online product!



<sup>&</sup>lt;sup>2</sup> References available upon request.

