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**UpToDate Use as a Predictor of Medical Student Success**

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UpToDate Use as a Predictor of Medical Student Success
(A Work in Progress)

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RATIONALE
• Speed and ease of use are prioritized over most other criteria in choosing how to look up clinical information, leading to popularity of electronic clinical resources.¹
• UpToDate (UTD) is one of, if not the most, frequently referenced clinical knowledge resources, and its adoption in a hospital system correlates with better performance.²
• Prior work has shown a correlation between Internal Medicine resident UpToDate use & In-Training Exam score.³
• Given its proven popularity, the usefulness of UTD as a teaching tool must now be assessed against commonly agreed upon measures of medical student clinical competency.
• Research question – what is the relationship between UTD use and common outcome measures in medical education?

BACKGROUND
• Commonly used criteria for assessing clinical competency in year 3 students include the following:
  1. NBME Subject Examination Scores (% correct)
  2. RIME Scores (Reporter, Interpreter, Manager, or Educator in the clinical setting of each clerkship)
  3. Step 2 Clinical Knowledge Scores (1-300 point scale)
  4. Step 2 Clinical Skills Scores (Pass/Fail)
• Every student at WSUSOM is provided UTD access, and usage is tracked as both time spent and mouse clicks.
• Students entering year 3 are assessed for biological knowledge using USMLE Step 1 exam (1-300 point scale).

METHODS

N = 900 students
(Classes of 2020-2022)

Gather UTD usage data for each student across year 3
Use Step 1 score to control for pre-existing knowledge and test-taking skills

Relationship with UTD usage?

PRELIMINARY RESULTS AND CONCLUSIONS

• Preliminary data suggests that UTD, although clinically useful, did not correlate with Step 2 CK score.
• Data is currently being correlated for other outcomes.
• Linear regression showed Step 1 score was a significant predictor ($p<0.001$) of Step 2 CK and UTD usage was not.
• This 3-year period covers a time before and during a shift to make Step 2 CK more closely mirror the scenarios that students encounter on the wards.⁴-⁵
• This project and resulting investigations have the potential to lead to a better prepared future physician workforce – a benefit to medical educators and society more broadly.

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REFERENCES
5. Personal correspondence with Dr. Carol Morrison, Principle Psychometrician at the National Board of Medical Examiners, December, 2019.