

## 2024 Stemmler Grants Projects

Established in 1995, the Stemmler Grant Program supports the research and development of innovative assessment approaches with the potential to advance assessment in medical education. Each year, as many as three awards of up to \$150,000 each are given to research teams to support their efforts to drive innovations in the field.

Learn more about the 2024 projects.

### Assessment of Reliability and Validity of a Stakeholder-Developed Communication Skills Checklist for Identifying and Addressing Social Needs with Patients in the Clinical Setting



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### Abstract

This project aims to assess the reliability and validity of a stakeholder-developed, communication skills checklist for identifying and addressing social needs with patients during observed structured clinical encounters and workplace-based assessment. The aims of this research are to: 1) establish content validity, 2) assess reliability and dimensionality, 3) set competency standards, and 4) explore criterion validity.

## Assessing and Improving Work Efficacy and Well-being of Residents in an Internal Medicine Training Program



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### **Abstract**

Residency training is a critical stepping-stone for medical school graduates to become board certified physicians. Due to the rigorous training schedule and long work hours combined with ever increasing work compression, residents are expected to be productive but oftentimes at risk for burnout: a significant issue and a priority of ACGME to restore meaning in medicine. The purpose of this study is to create informatics-based approaches for enhancing resident physicians' work efficiency and overall well-being. Three key research questions will be explored: 1) What are the methodologies for promptly and consistently evaluating residents' work patterns and well-being levels? 2) How can these assessment results be effectively integrated into the Clinical Competency Committee (CCC) reviews and coaching initiatives? 3) In what ways can these data be harnessed to optimize residents' work efficiency and bolster their well-being. The innovation of this project stems from the development of informatics-based techniques to assess residents' workflow patterns and levels of well-being using a combination of self-reported data and automatically recorded timestamps. The impact of this project is noteworthy as it will provide a mechanism to leverage this fresh assessment data to enhance residents' work efficiency and subsequently boost their levels of well-being.