Assessing Competency in Evidence Based Medicine (ACE)

Tool's Purpose

The purpose of the Assessing Competency in Evidence Based Medicine (ACE) tool is to evaluate medical trainees' competency in EBM across all examinable steps of the EBM process. The tool focuses on assessing competency in steps 1 to 4 of the five step EBM process. The ACE tool does not assess the process of evaluation after knowledge is applied by knowledge users (Ilic et al., 2014).

Brief Tool Description

- 15 items, dichotomous (Yes or No) scoring. Four domains according to steps 1 to 4 of the evidenced based medicine (EBM) process:
    - o Construction of an answerable question from the clinical scenario (2 items)
    - o Systematic retrieval of the best available evidence (2 items)
    - o Critical appraisal of the evidence for validity, clinical relevance, and applicability (7 items)
    - o Application of results (4 items)

Knowledge to Action Framework Phase(s):

- Assess barriers/facilitators to knowledge use
- Monitor knowledge use

Available Languages: English

Source to Access Tool:
- ACE Tool
- Dr. Dragan Ilic
    - o Primary author of tool development article
    - o Email: dragan.ilic@monash.edu

*Development Article/*Psychometric Article

Ilic, D., Nordin, R. B., Glasziou, P., Tilson, J. K., & Villanueva, E. (2014). Development and validation of the ACE tool: assessing medical trainees' competency in evidence-based medicine. *BMC medical education*, *14*(1), 1-6. https://doi.org/10.1186/1472-6920-14-114