

Incorporating Evidence-Based Teaching into Health Education

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PURPOSE

- Evidence-based teaching (EBT) developed from the concept of evidence-based medicine
- Nurse educators have been at the forefront
- A literature search reveals limited research and utilization of EBT in health education outside of nursing

PROJECT AIMS

- 1) Evaluate faculty perception and use of EBT
- 2) Promote EBT practice through an educational workshop
- 3) Evaluate the effectiveness of the workshop

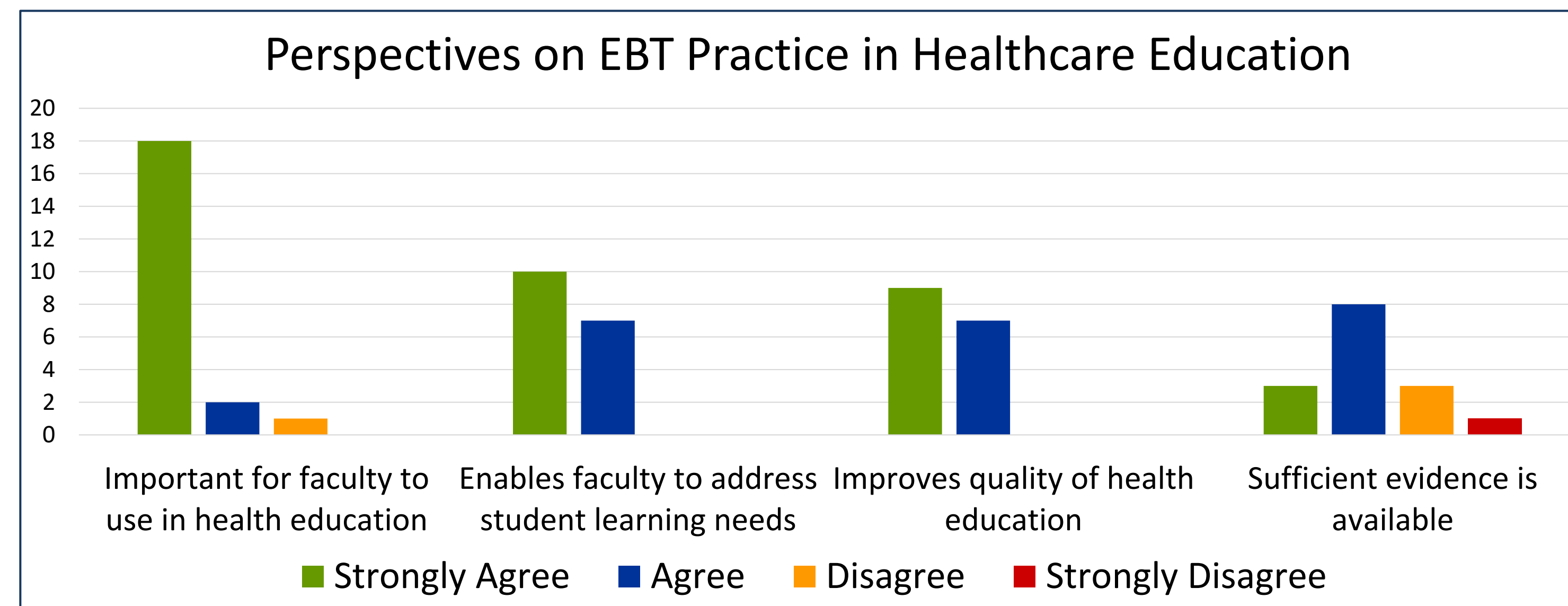
METHODS

- Intervention: One hour workshop covered
 - Background of EBT
 - Training on searches specifically for evidence-based teaching articles
 - Practice searching a clinical question of interest with feedback from experts
- Evaluation: Participants were given a pre/post survey on perspectives and attitudes on EBT
 - Utilized survey tool published by Kalb et al. (2015) for evaluations of nursing faculty perspectives/practices
 - Second survey of the effectiveness of the workshop itself

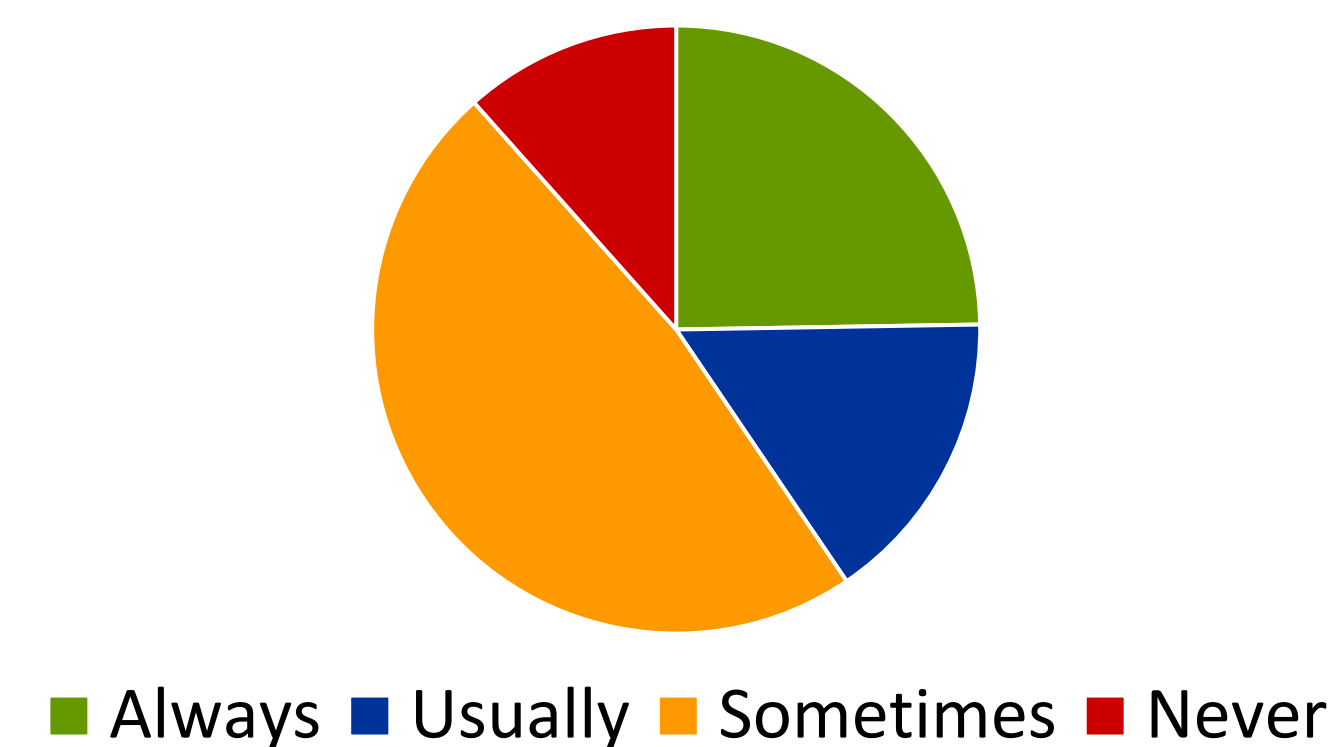
RESULTS

Faculty perspectives and attitudes:

- Pre-survey: 25 respondents, Post-survey: 11 respondents
- Demographics: Mostly women, fulltime, bimodal education experience, 40% MD, 30% PA, 5% PT, 2% educator



Faculty use of EBT in educational practice



Factors that promote EBT



Workshop Evaluation:

- 10 respondents
- 100% found workshop useful, had improved confidence levels, and were likely to utilize EBT moving forward
- **70% had implemented increased use of EBT since the workshop**

DISCUSSION

- Faculty generally value EBT in health education, yet the majority of the time do not utilize evidence to inform teaching practices
- The majority of faculty use some sort of data to inform their teaching, but published research remains limited
- The EBT workshop was a helpful resource for faculty, and improved confidence to utilize evidence in the education environment
- Limitations of this study included: Small sample size, inability to link pre/post changes in faculty perception following the workshop

NEXT STEPS

- Continue to promote the dissemination and utilization of EBT skills among educators across the Duke health system
- Encourage collaboration and dissemination of high-quality education research at Duke and nationally

References

- Boswell C, Cannon S. (2015) *Introduction to Nursing Research*. Retrieved from http://samples.ibpub.com/9781284074734/9781284048322_ch01_pass02.pdf
- Kalb KA, O'Connor-Von SK, Brockway C, Rierson CL, Sendelbach S. *Evidence Based Teaching Practice in Nursing Education: Faculty Perspectives and Practices*. *Nurs Educ Perspec*. 2015 Jul-Aug;36(4):212-9