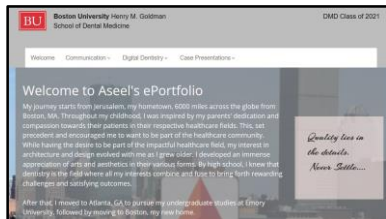


# Students' Perceptions on the Use of e-Portfolios to Assess Progress Towards Competency in Self-Assessment and Critical Thinking

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## DIGICATION E-PORTFOLIOS COLLECT – SELECT – REFLECT

### CODA Competency-Based Standards:



Critical Thinking  
Self-Assessment  
Communication

*"This is a main learning point...from this assignment. Careful and thorough comprehensive planning is necessary."*



## STUDY PURPOSE

How do students feel?

### Rationale:

*Experts on Competency-Based Education promote portfolios as a best practice to broadly evaluate student competencies.*

*At GSDM, we are surveying students' perceptions on the usefulness of Digication e-portfolios in developing competency skills through reflective writing.<sup>1-3</sup>*

### Study Summary:

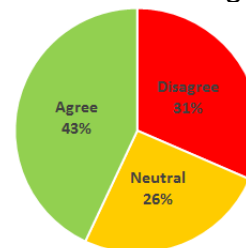
- All Pre-doctoral students: DMD and AS
- Planned for 3 academic years
- N=193 in first year so far (D2 class is still pending)
- 45.6% DMD; 54.4% AS
- 94.8% had no prior e-portfolio experience
- 40.2% agreed Digication was easy to use & understand

## RESULTS AND CONCLUSIONS

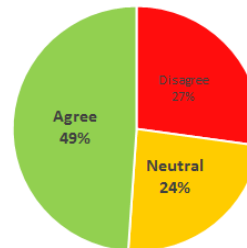
Initial results are promising

### Digication is helpful for...

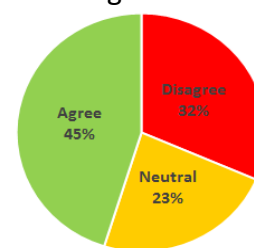
#### Critical Thinking



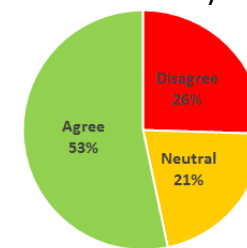
#### Self-Assessment



#### Enhancing Learning Outcomes



#### Applying for Jobs or Residency



### Conclusions:

- Students have mixed feelings about Digication
- Students don't appear to recognize connections between competencies and assignments

### Future Actions:

- Clarify language on survey and assignment rubrics to enhance recognition of competencies
- Increase perception of value by connecting to other curriculum components
- Improve technical instructions to minimize impact of logistical issues on perceived value

### Citations:

1. Greviana N, Mustika R, Soemantri D. Development of the e-portfolio in undergraduate clinical dentistry: how trainees select and reflect on evidence. Eur J Dent Educ 2020; 24(13):58.
2. Walton JN, Gardner K, Aleksejuniene J. Student e-portfolios to develop reflective skills and demonstrate competency development: evaluation of a curriculum pilot project. Eur J Dent Educ 2016;20(2):120-8.
3. Gadbury-Amyot CC, Godley LW, Nelson JW Jr. Measuring the level of reflective ability of predoctoral dental students: early outcomes in an e-portfolio reflection. J Dent Educ 2019;83(3):275-280.

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