

# Building a Community of Practice: Instructional Design in Medical Education



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# **Background**

Most health professions educators are subject matter experts and are likely not formally trained in the art of teaching or creating curricular content. Instructional designers fill this gap. Instructional designers work closely with subject matter experts to establish instructional methods that are rooted in decades of research and evidence. With an eye to the future of education, these professionals help guide instructors to apply emerging teaching methods and educational technologies when appropriate.

Instructional design in medical education is a rapidly growing field. Evidence supports the effectiveness of using instructional design principles in simulation-based education and in other medical education fields. Designers in this field are faced with unique challenges including curriculum oversight, educational technology implementation, and clinical and basic science integration. A multi-institutional group of instructional designers recognized a growing need for collaboration related to instructional design between institutions.

After an email was sent out to the Dr. Ed listserv in the spring of 2016, an enormous response was received expressing interest in the topic of instructional design in medical education. A survey on instructional design in medical education was sent to interested individuals.

Simulation Senior Senio Designer Technology faculty Systems Education associate Coordinator Curriculum Professor

development Manager

Respondents were asked to provide their job title. The word cloud above represents responses. Instructional designer was the most frequent answer while individuals identifying themselves as professors, technologists, and coordinators also responded.

# Methods and Results

A 19 guestion survey consisting of open and closed-ended questions was created in REDCap. The survey was sent to all individuals expressing interest in the topic. One hundred individuals responded.

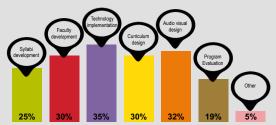
36% of

respondents reported that their institutions have 0.5 or more FTE devoted to instructional design.

Range 0.5 to 25

**56%** of respondents reported that their curriculum is undergoing a major redesign.

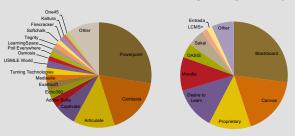
# Services offered



Respondents were asked "What kind of services are offered by the instructional design team?

#### Software used

#### **Learning management systems**



Respondents were asked what software and learning management systems are used at their institution

### Conclusions

The survey showed a demand for the establishment of a community of practice for instructional designers in medical education. A majority of respondents were interested in joining a special interest group on instructional design.

of respondents were 6% interested in joining a special interest group on instructional design

Respondents are interested in learning more about technologies used at other institutions, curriculum redesign strategies, and ideas for collaboration.



#### **Future Plans**

An instructional design in medical education working group has been established under the AAMC Group on Information Resources to facilitate collaboration and information sharing. This community is piloting a listsery for communication and is exploring other options for collaboration.