

Engage, Educate, and Assess: Everyday Instructional Design Practices In Medical Schools

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Disclosures

The opinions, conclusions, and recommendations expressed or implied do not necessarily reflect the views of the Department of Defense or any other department or agency of the federal government.

The team members have no other disclosures.

Session Overview

1. Demographics
2. LMS usage
3. Strategies & Tools
4. Challenges
5. Schools Best Practices
6. Q & A

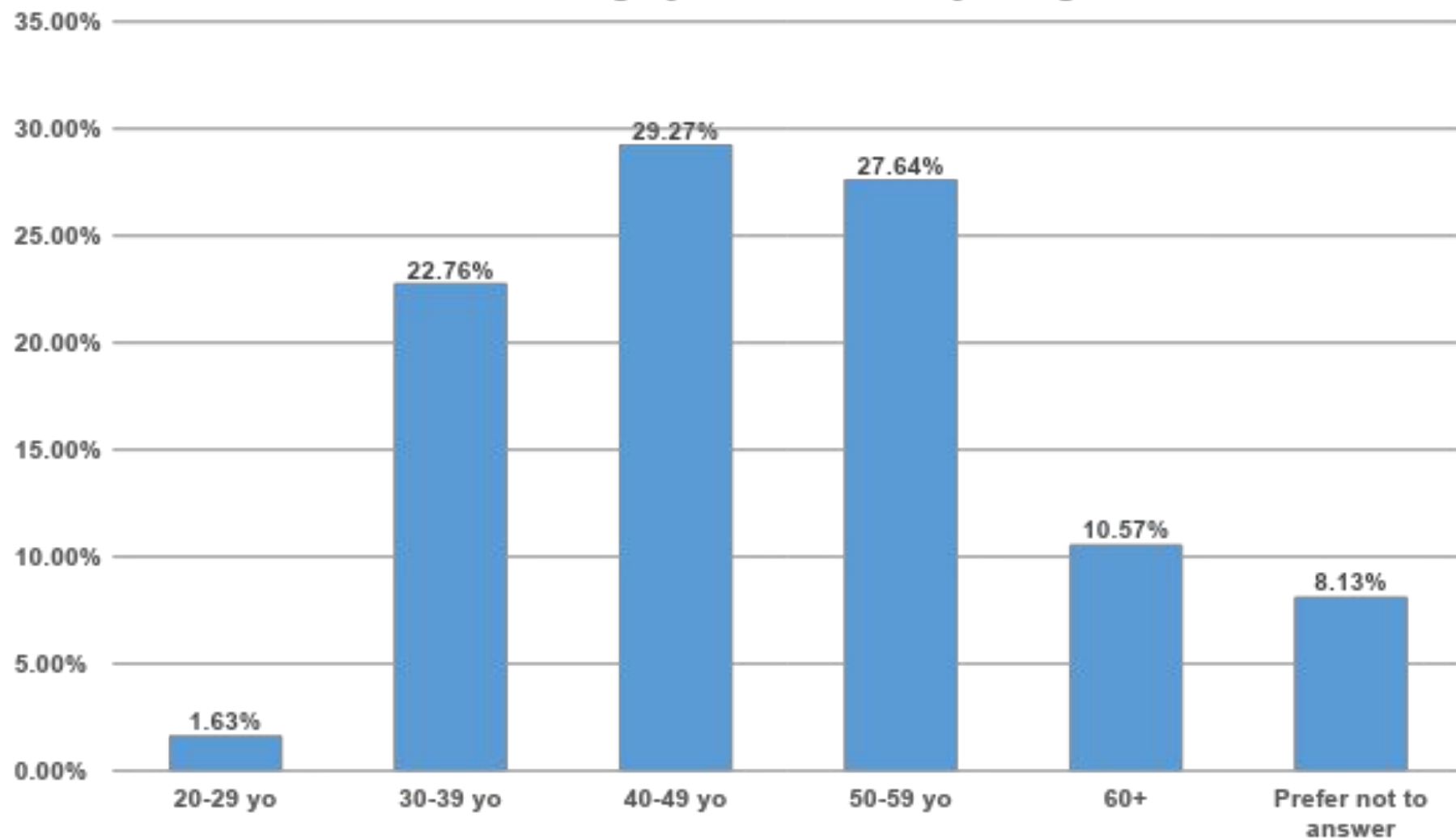
Session Objectives

After completion of this session participants in this webinar will be able to:

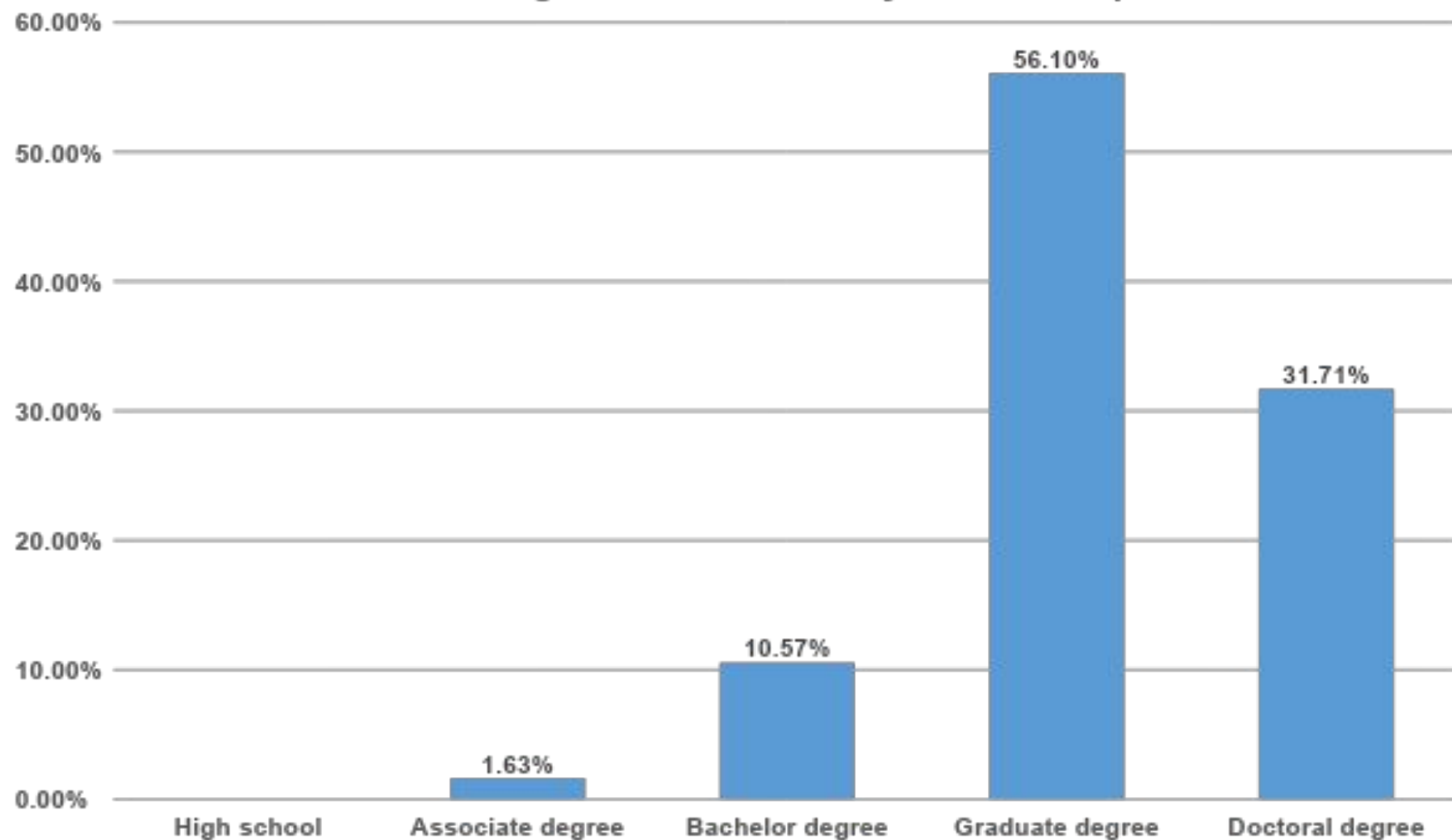
1. Describe strategies and tools used by instructional designers.
2. Consider the use of tools presented in survey within own context.
3. Compare current workflow practices to those highlighted.
4. Discuss the results of survey as applied to everyday practice.
5. Reflect on the role of instructional design in medical education.

1. Demographics

Q2 - Which category below includes your age?



Q3 - What is the highest level of school you have completed?



What is your job title?

Top

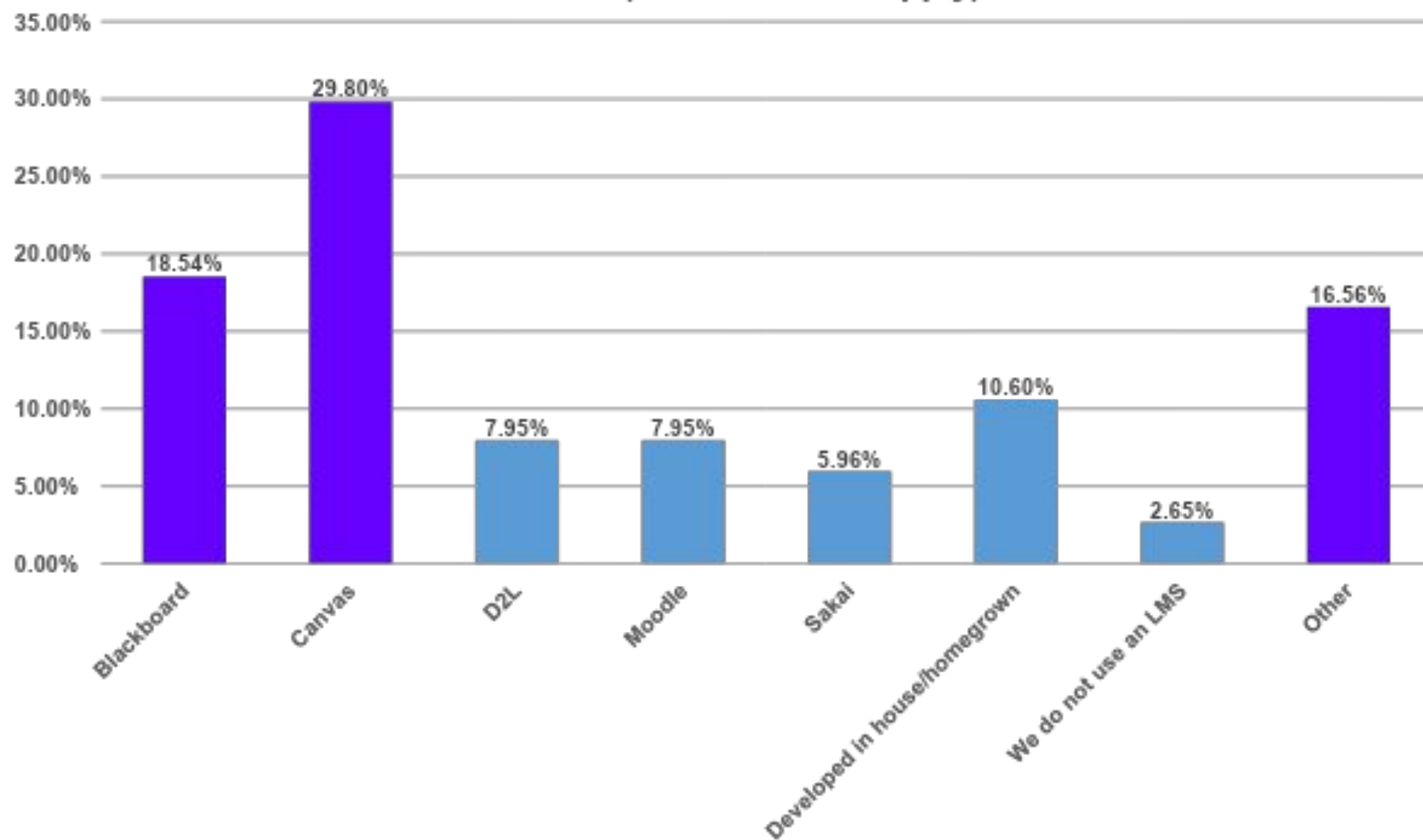
| 1 | Educational Technologist

| 0 | Instructional Designer

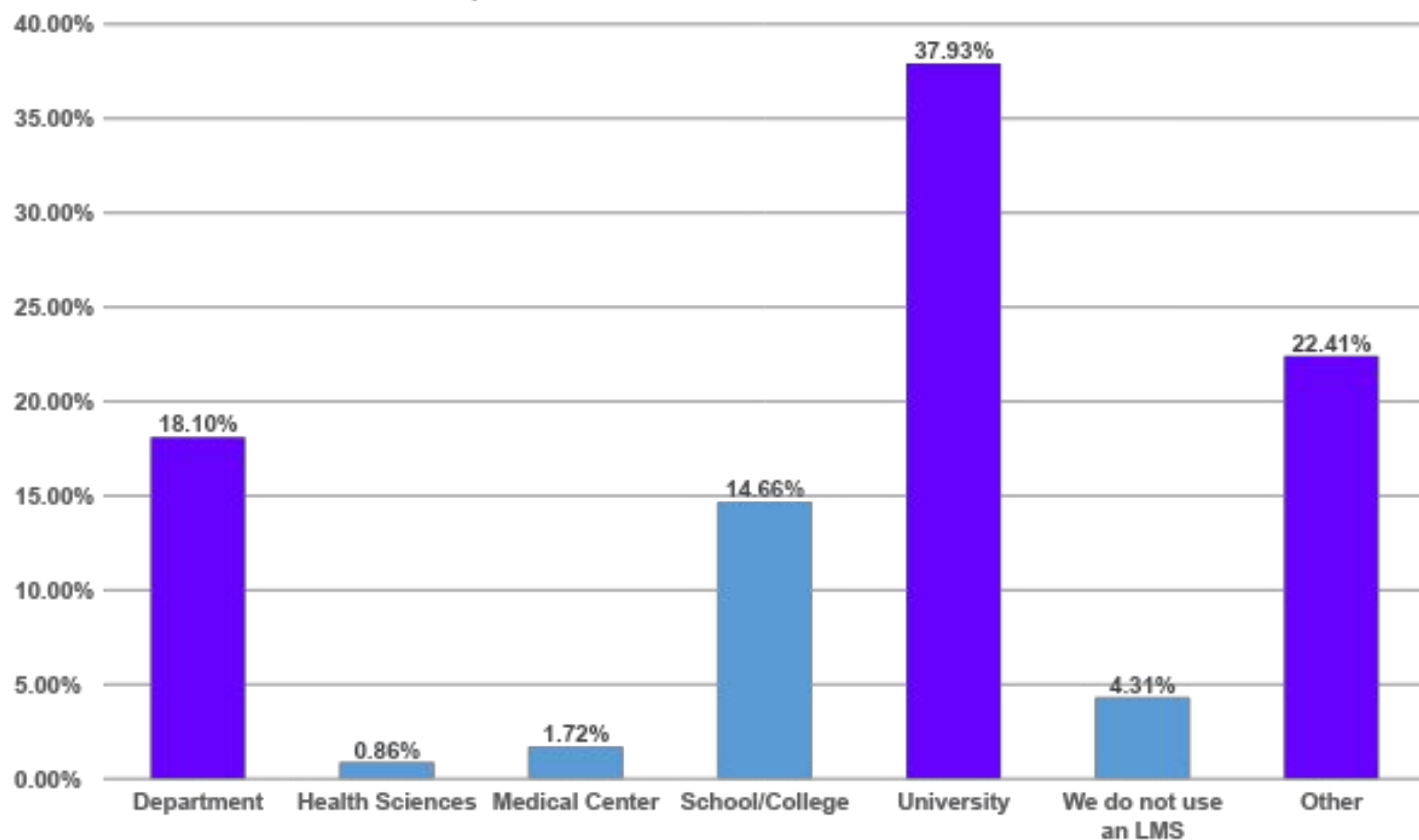


2. *LMS*

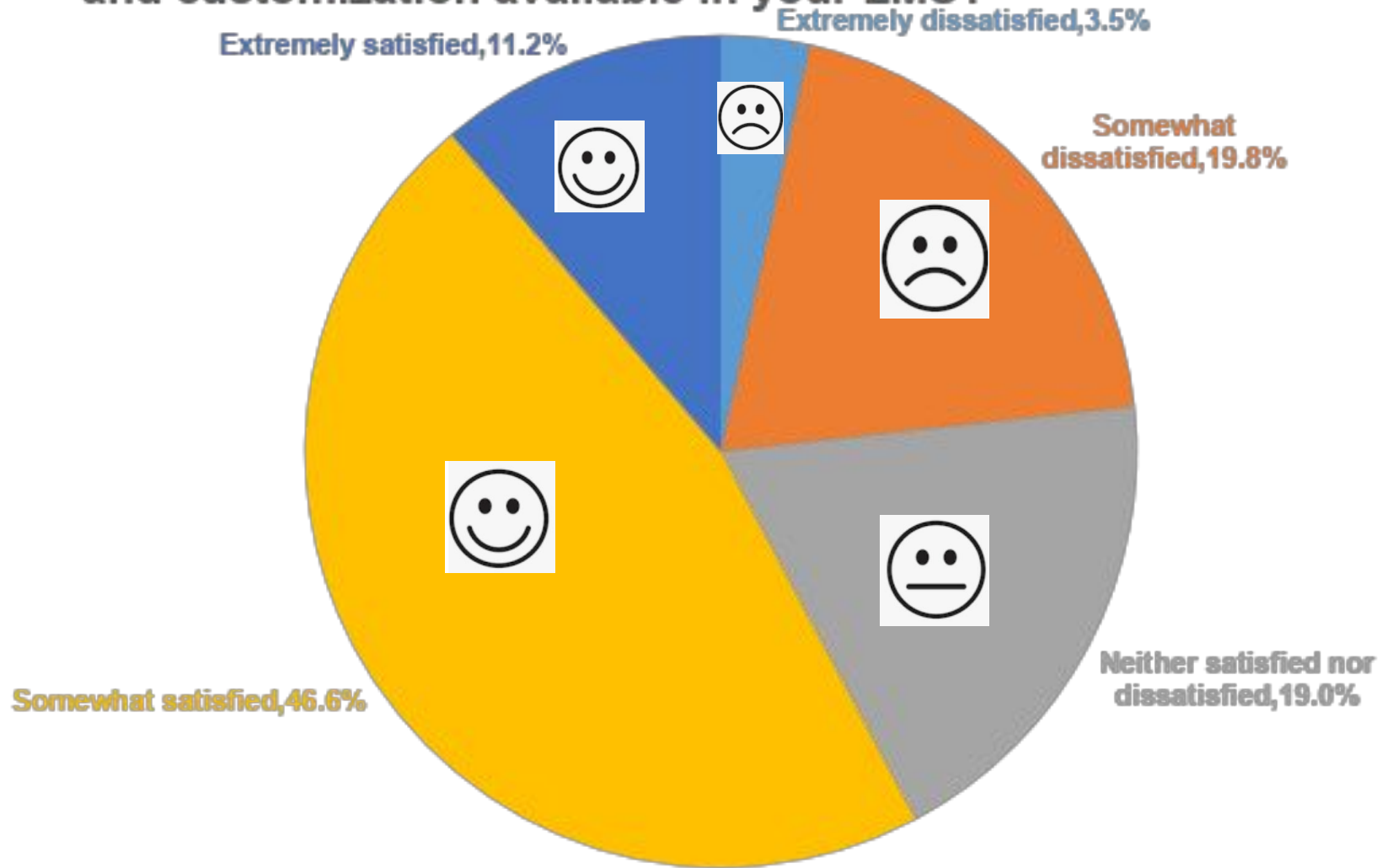
Q6 - Which learning management system(s) (LMS) does your medical school use (choose all that apply)?



Q7 - Who administers the LMS?

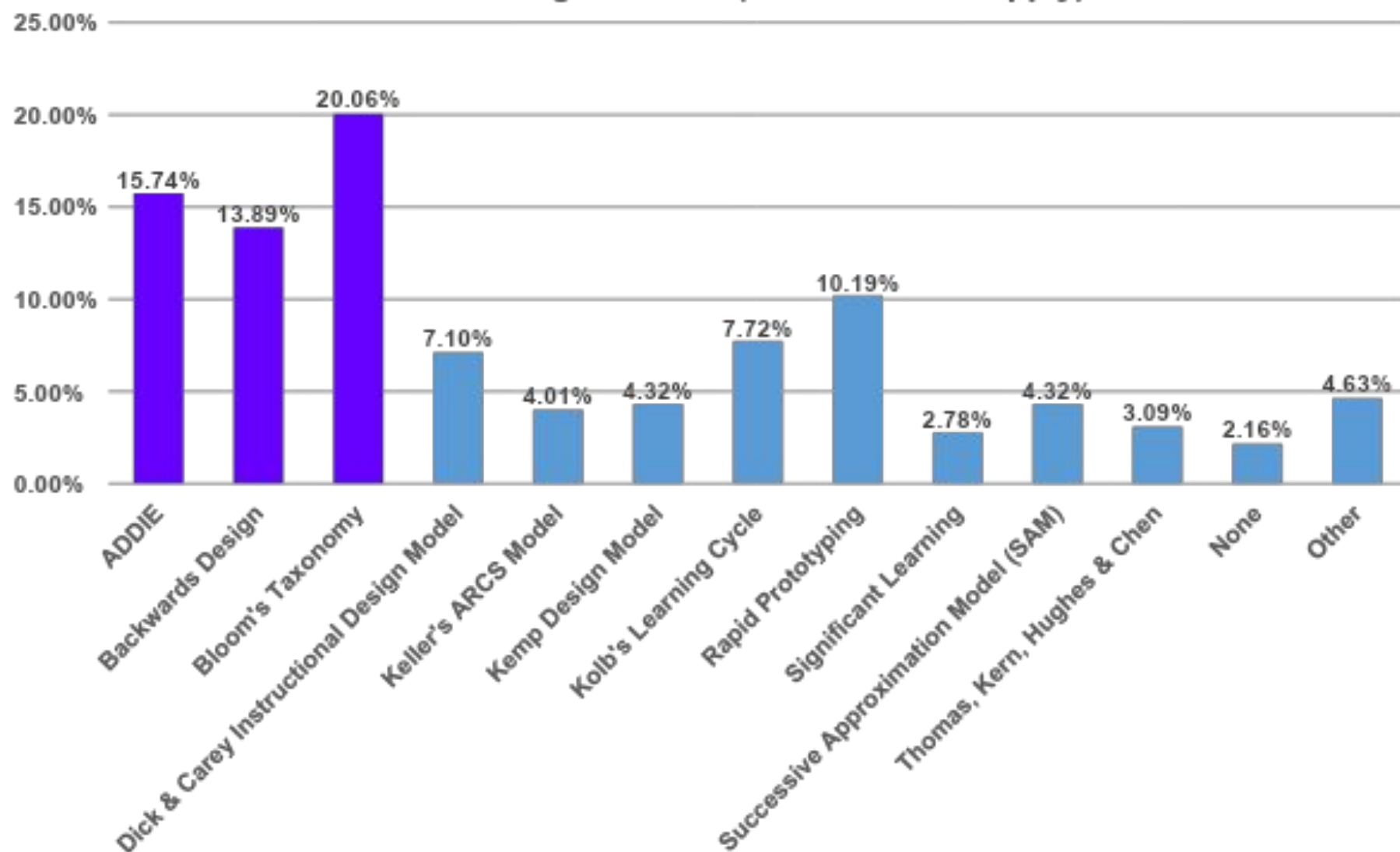


Q8 - How satisfied are you with the degree of configuration and customization available in your LMS?

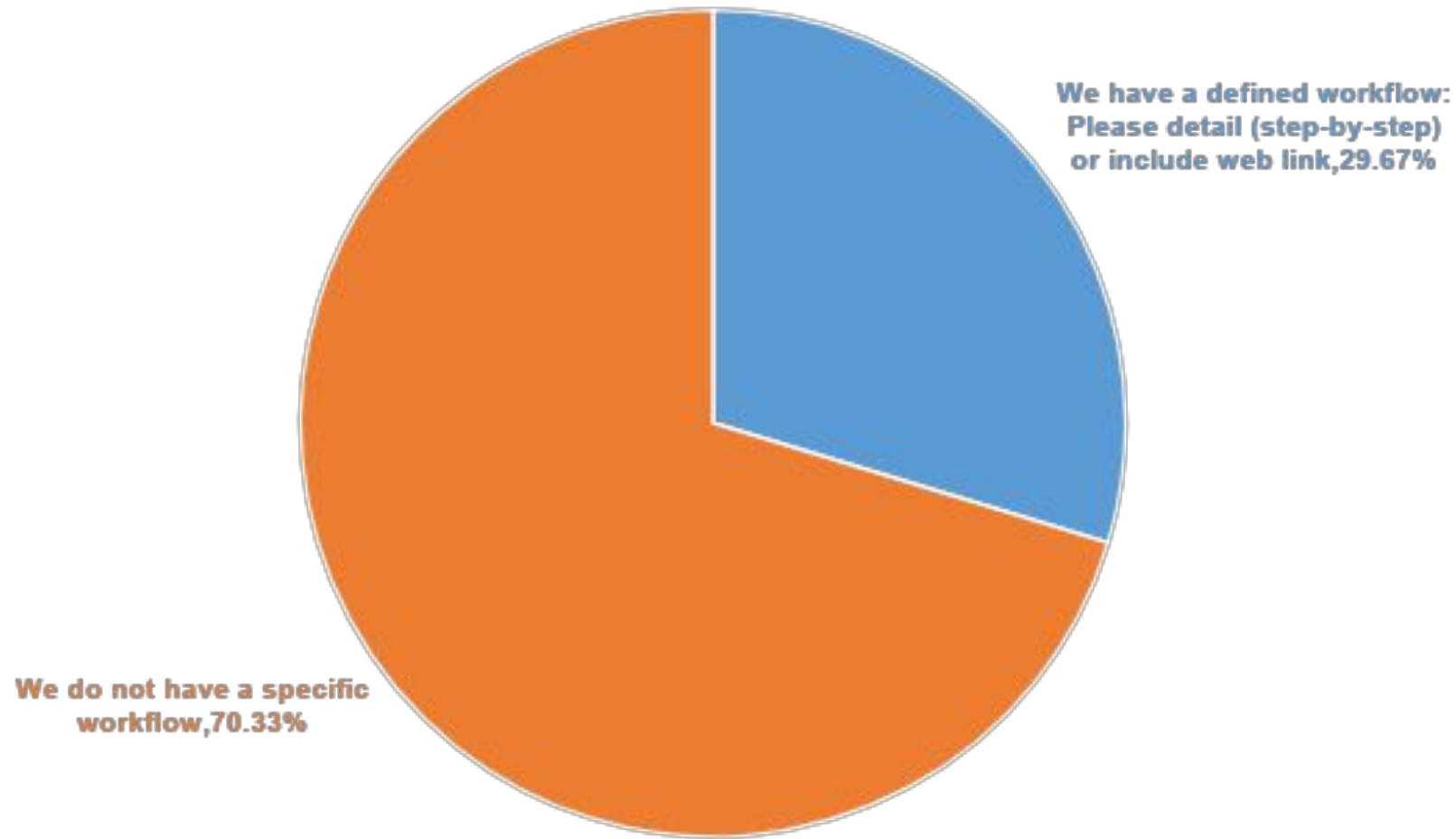


3. Strategies & Tools

Q9 - Which of the following instructional design models do you use to create eLearning materials (choose all that apply)?



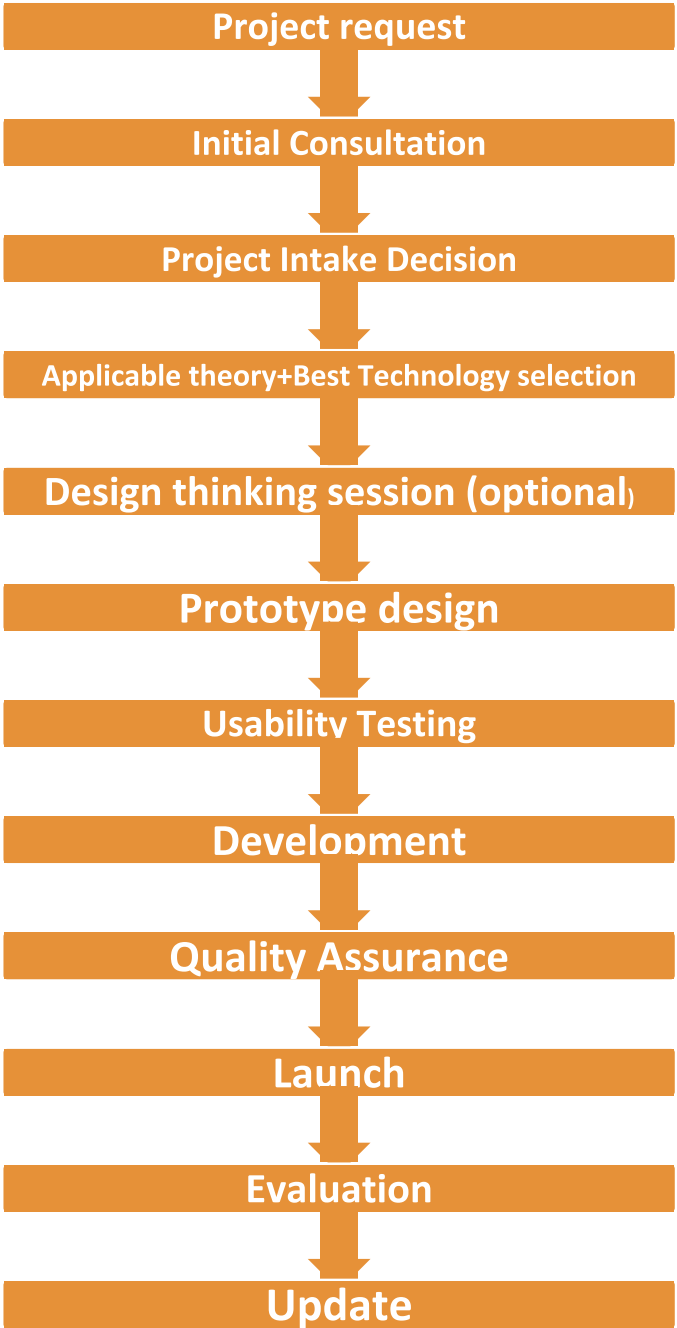
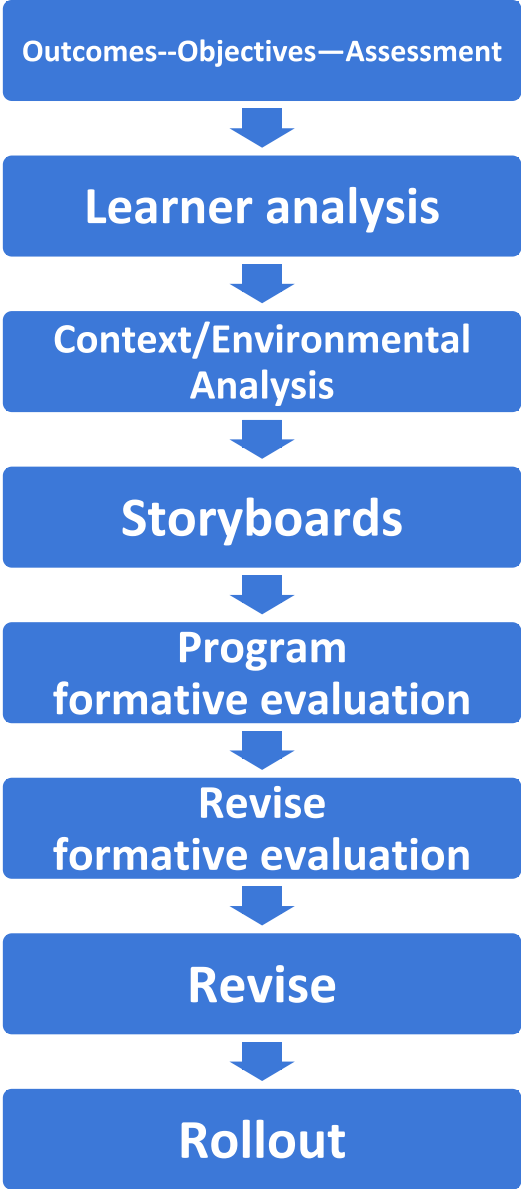
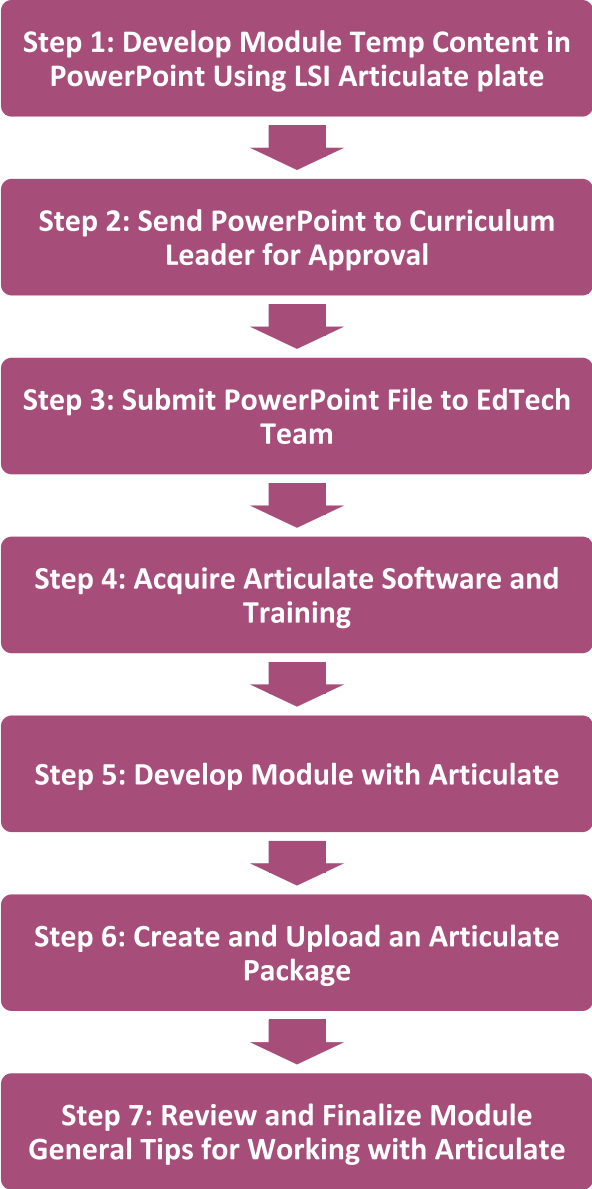
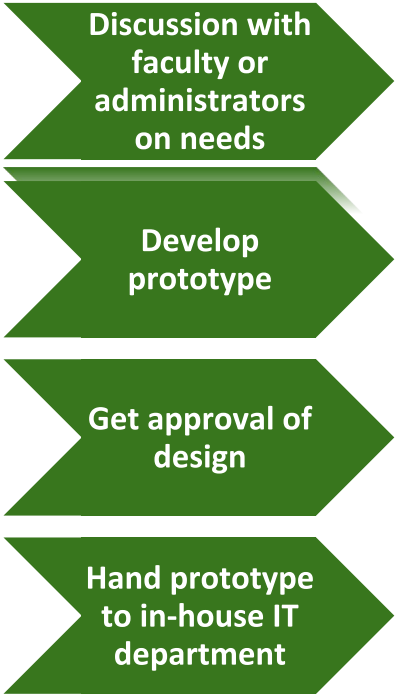
Q10 - Which of the following best describes the development process/workflow for creating eLearning materials in your medical school?



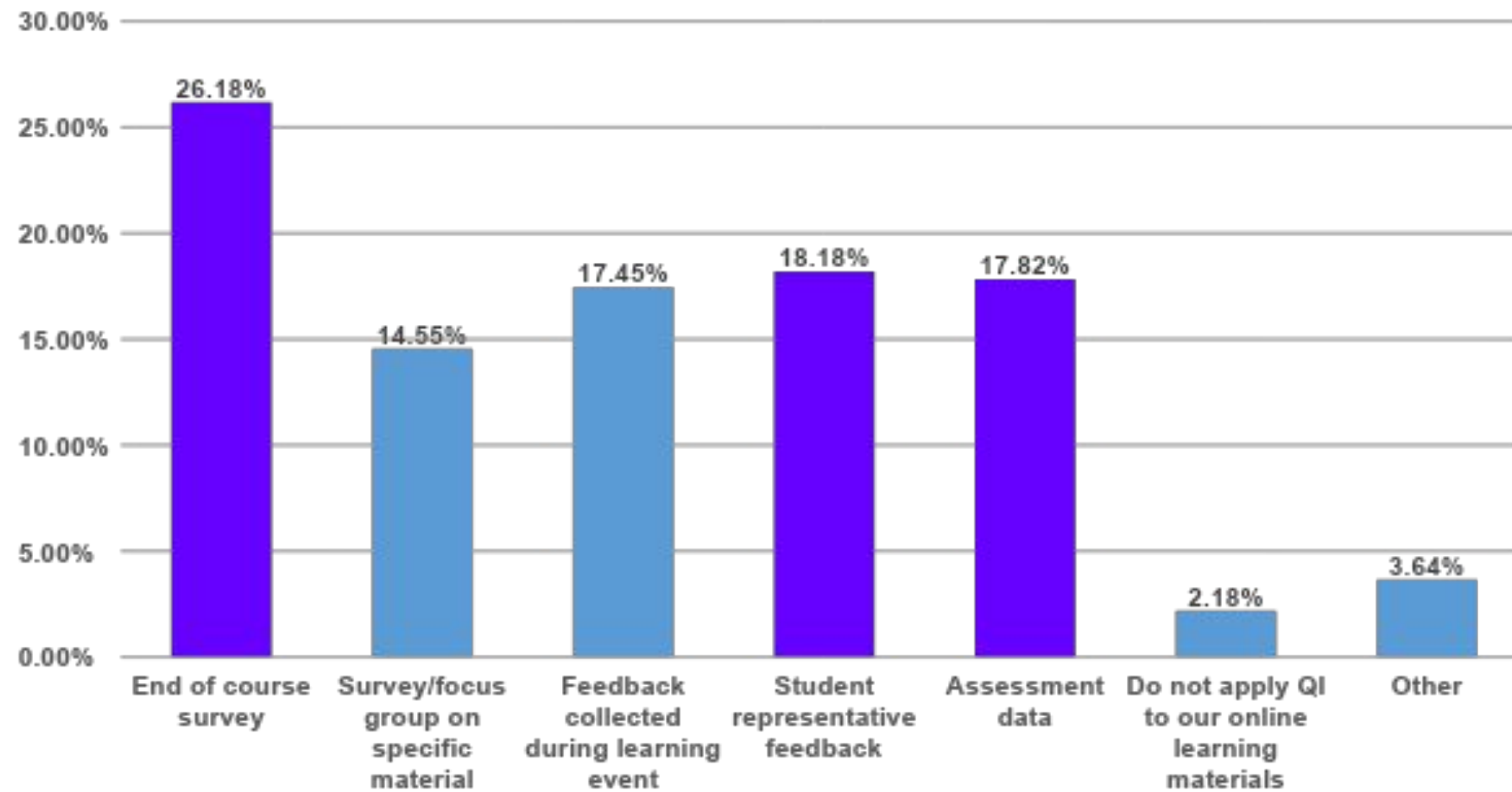
Identified Workflow

- Multi step approach specific to each institute
- Common themes
 - Consultation
 - Needs Assessment
 - Learner Assessment
 - Evaluation
 - Revise

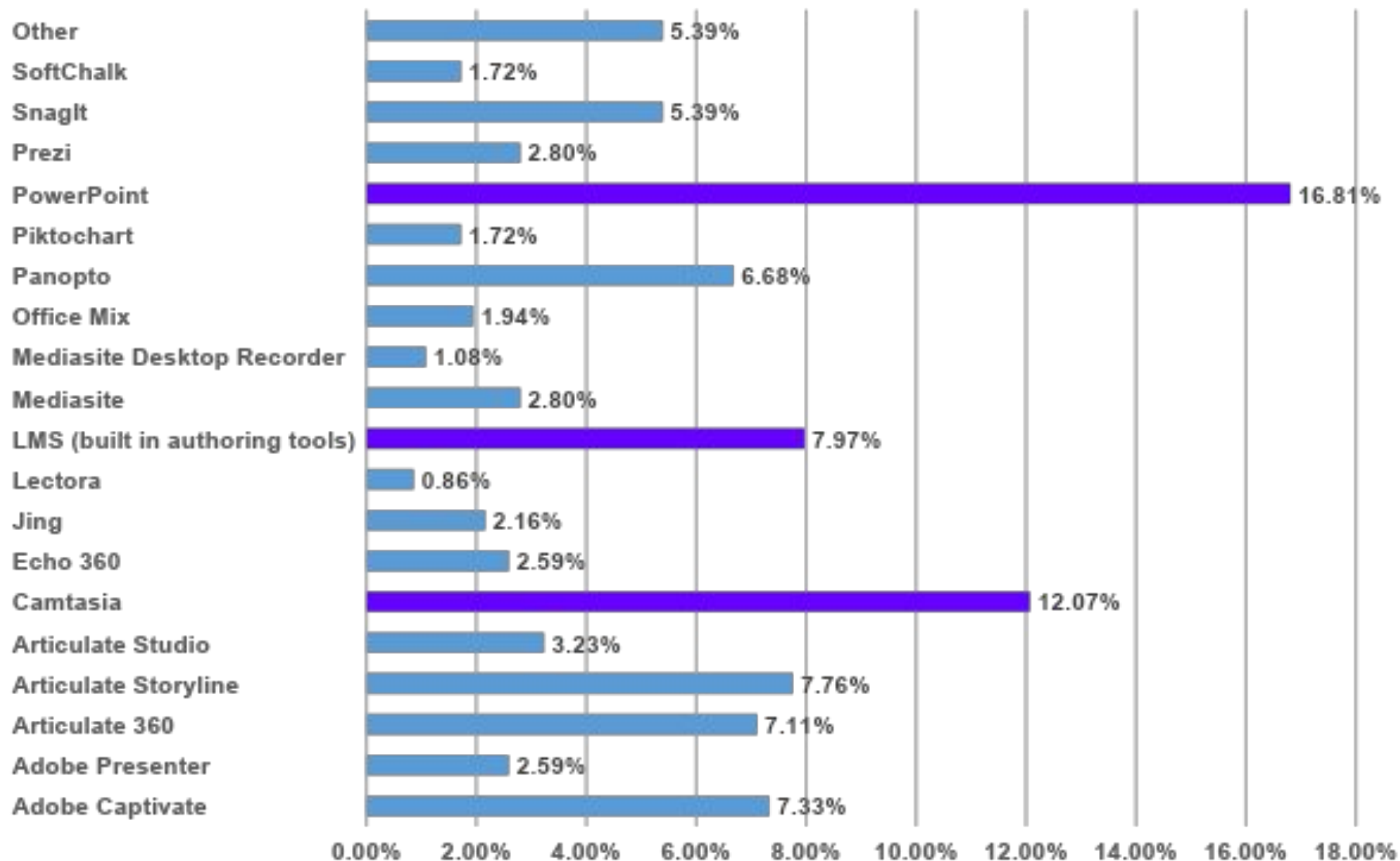
Identified Workflow Examples



Q11 - Which of the following information do you collect to apply continuous improvement (QI) to your online learning materials (choose all that apply)?



Q12 - Which of the following authoring tools are you currently using to create eLearning learning materials (choose all that apply)?

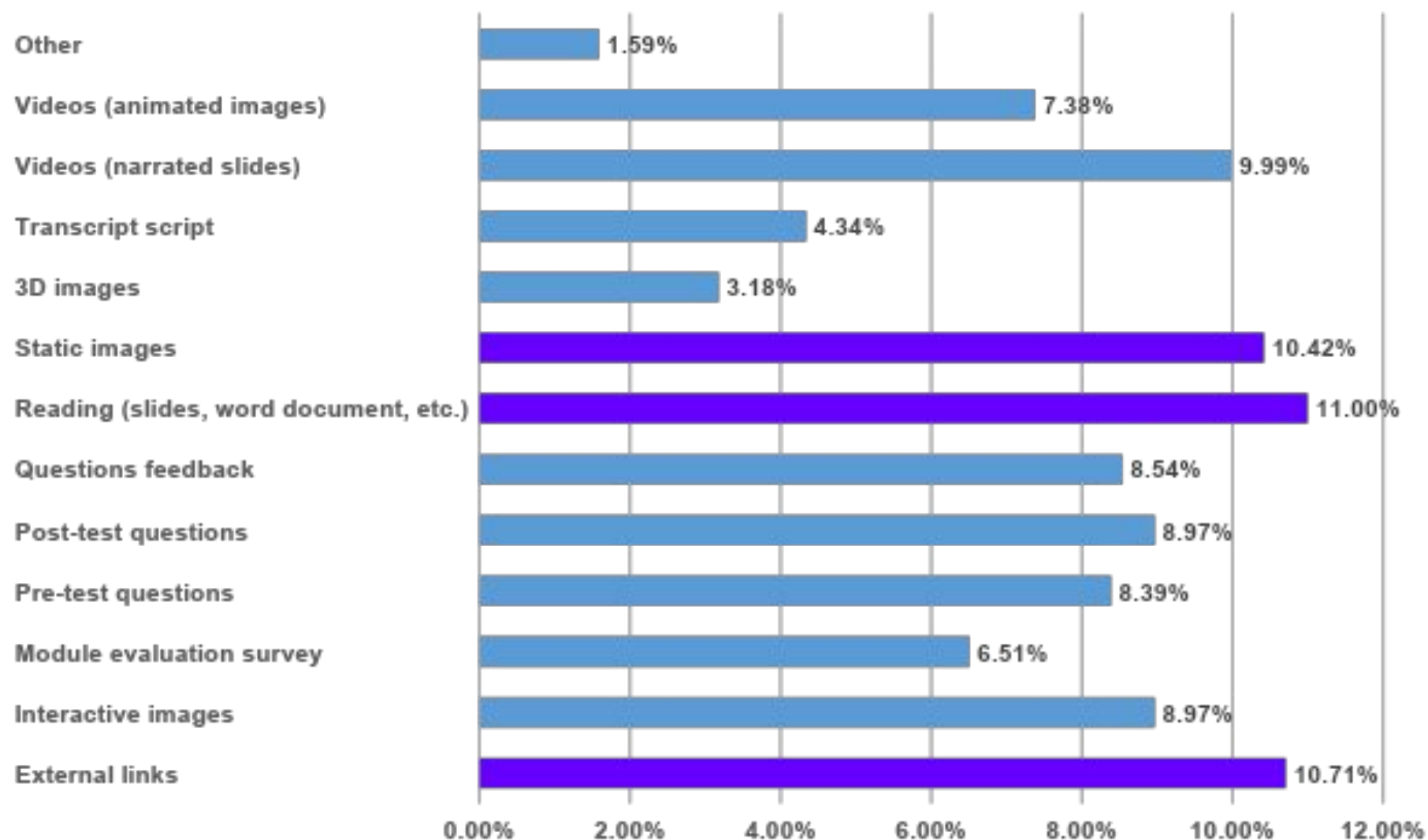


Other eLearning Authoring Tools

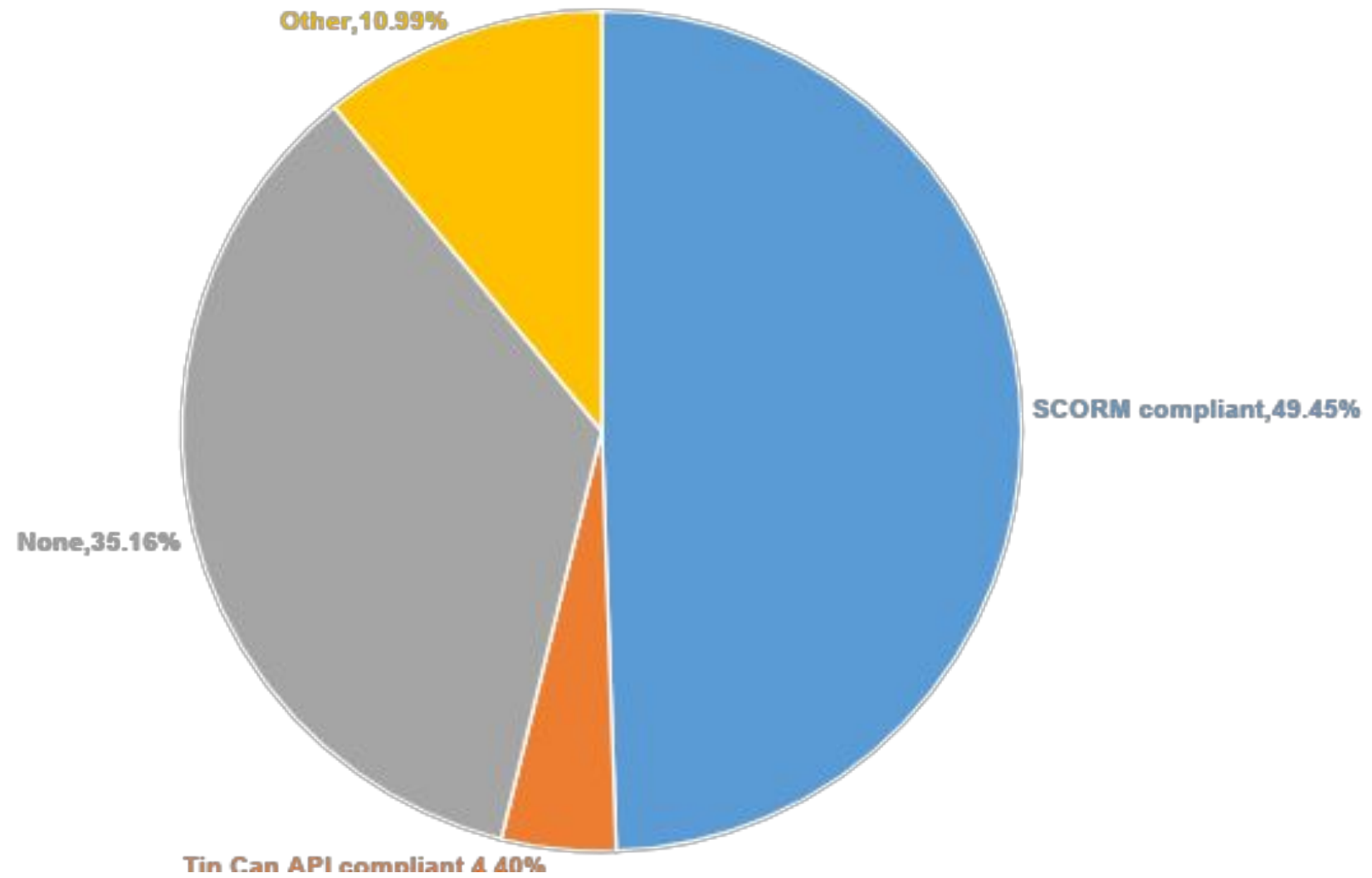
- Adobe products (other than Captivate)
 - iBooks Author
 - H5P, Evolve
 - Kaltura
-
- The responses show that the term of “eLearning” could involve different media (image, video, lecture capture)



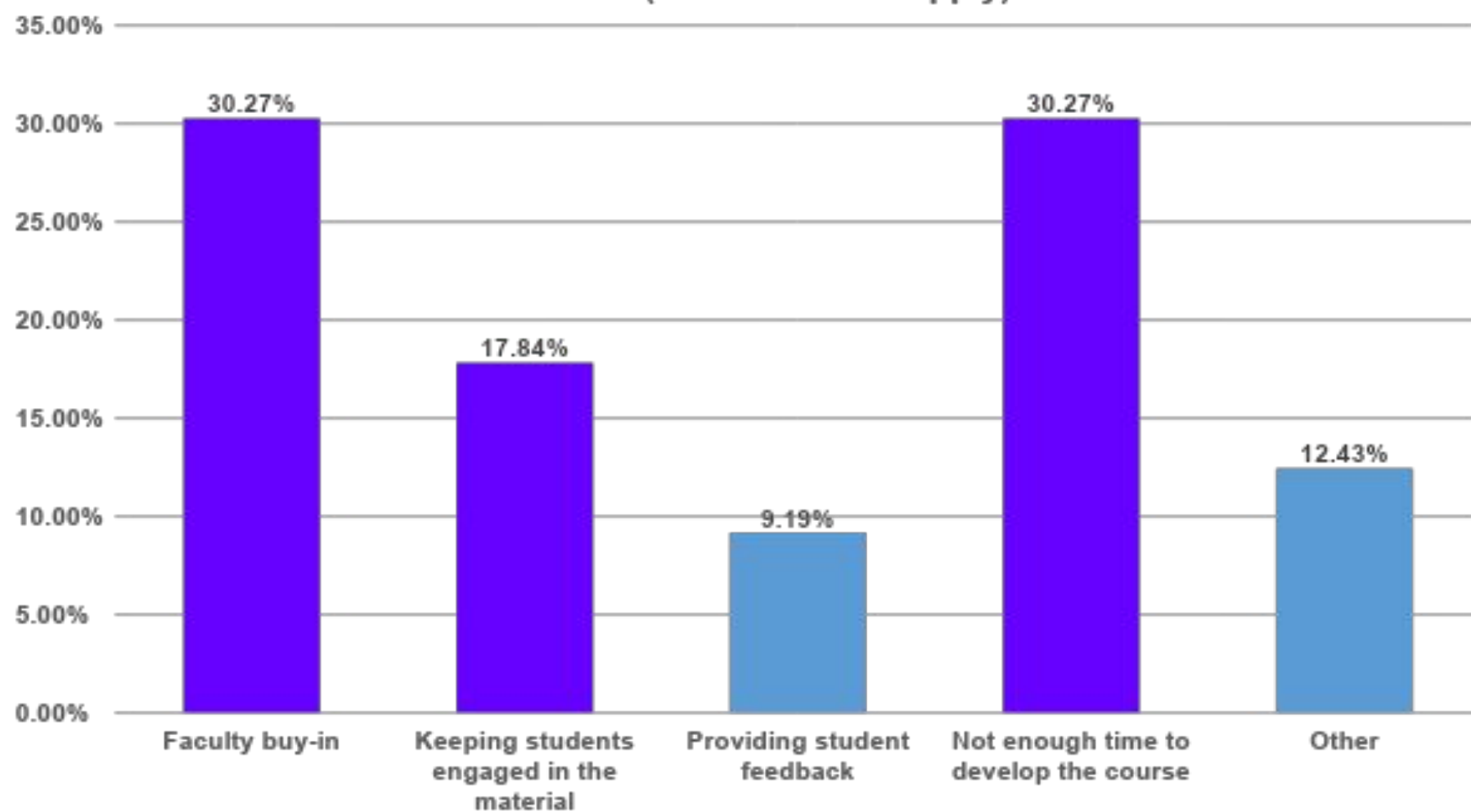
Q13 - Which of the following do your eLearning modules include (please choose all that apply)?



Q14 - What types of the eLearning standards do you use?



Q15 - What are your biggest challenges with developing eLearning curriculum (choose all that apply)?

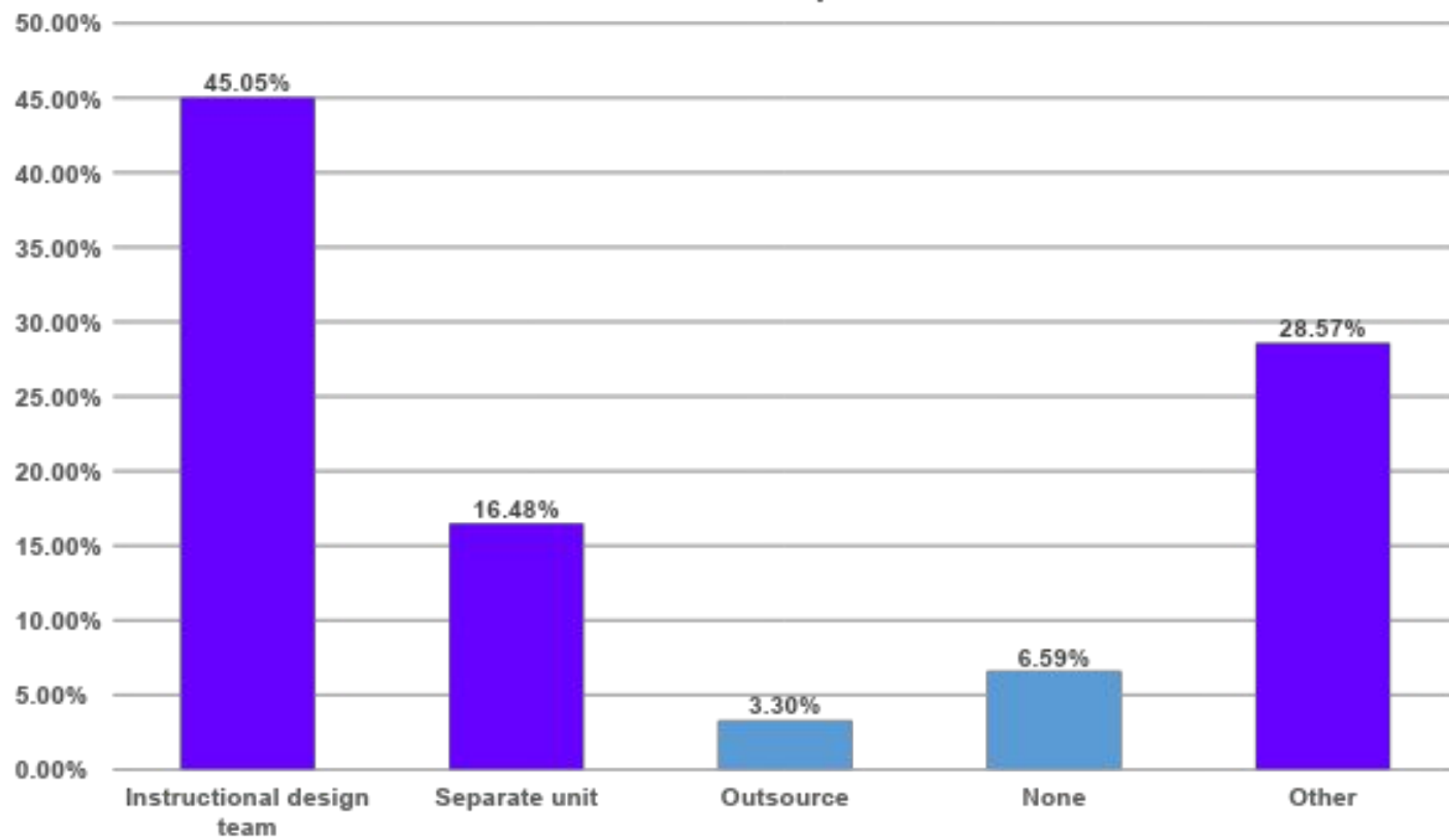


Other Challenges

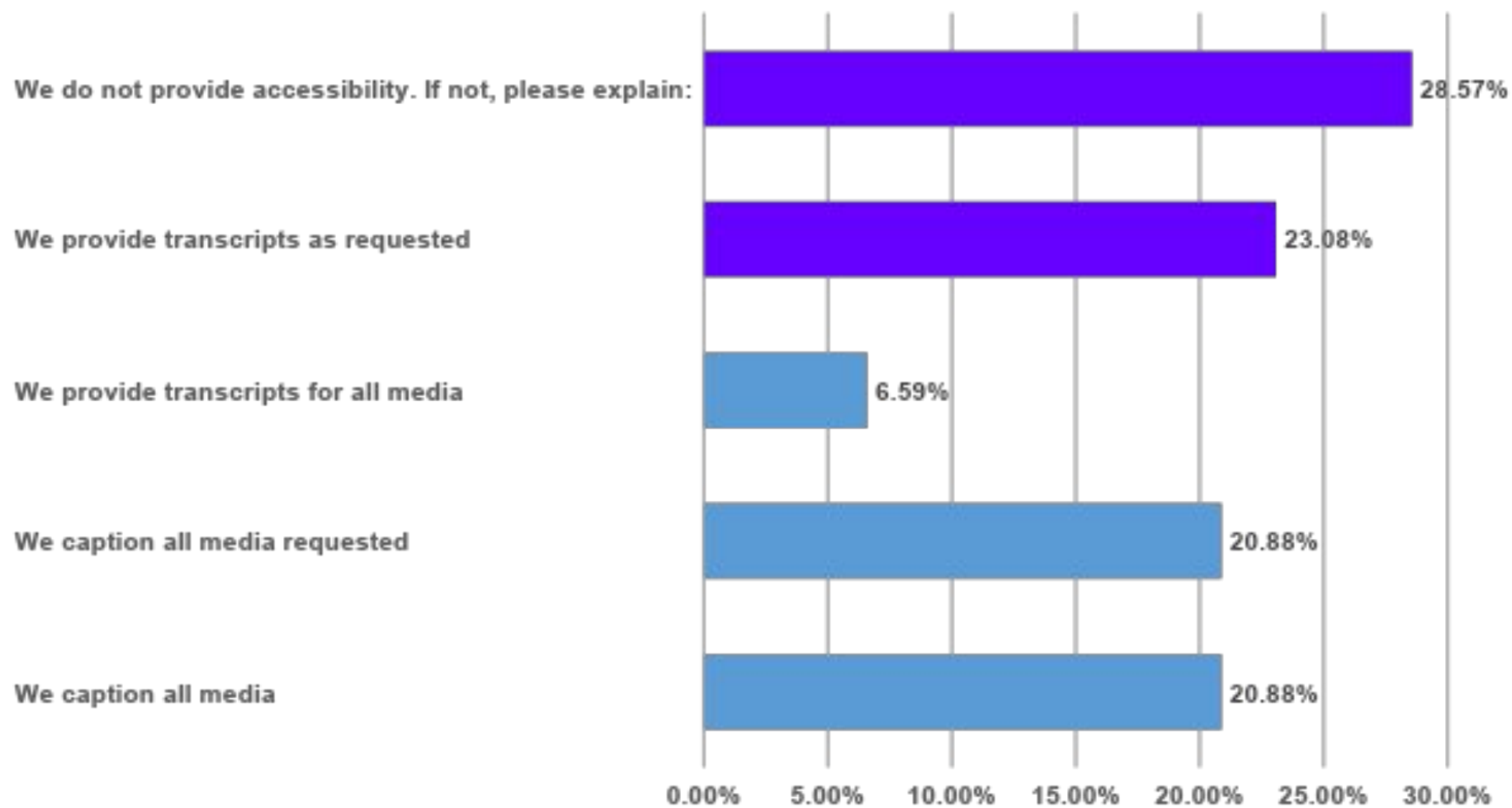
- Many highlighted the Lack of recognition (from leadership or faculty) for the importance of the ID
- Some mentioned:
 - the Insufficient human resources or funding for ID
 - Faculty authors' time
 - Students engagement



Q16 - Who does video production?

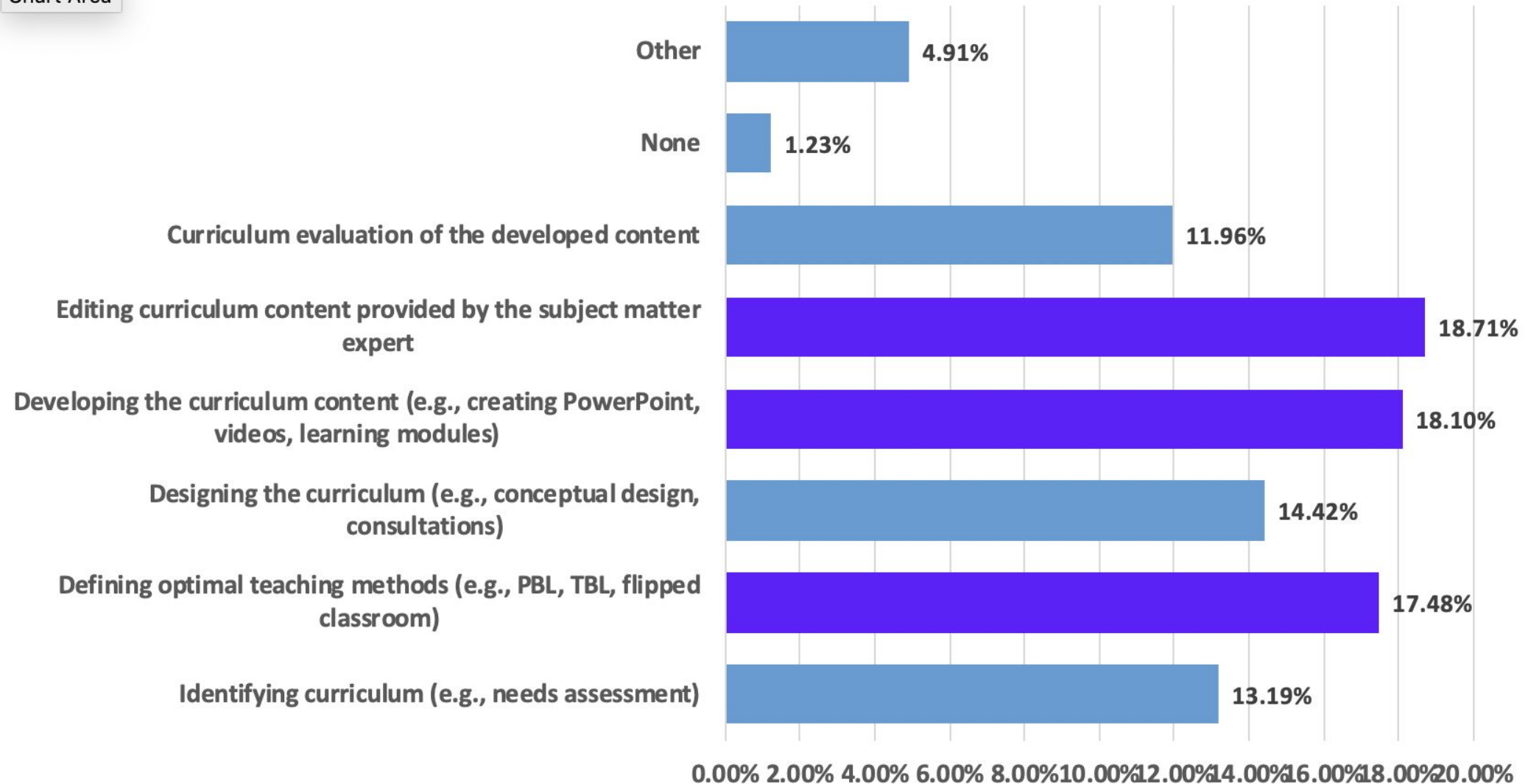


Q17 - How do you address accessibility guidelines with the media you create for your students?

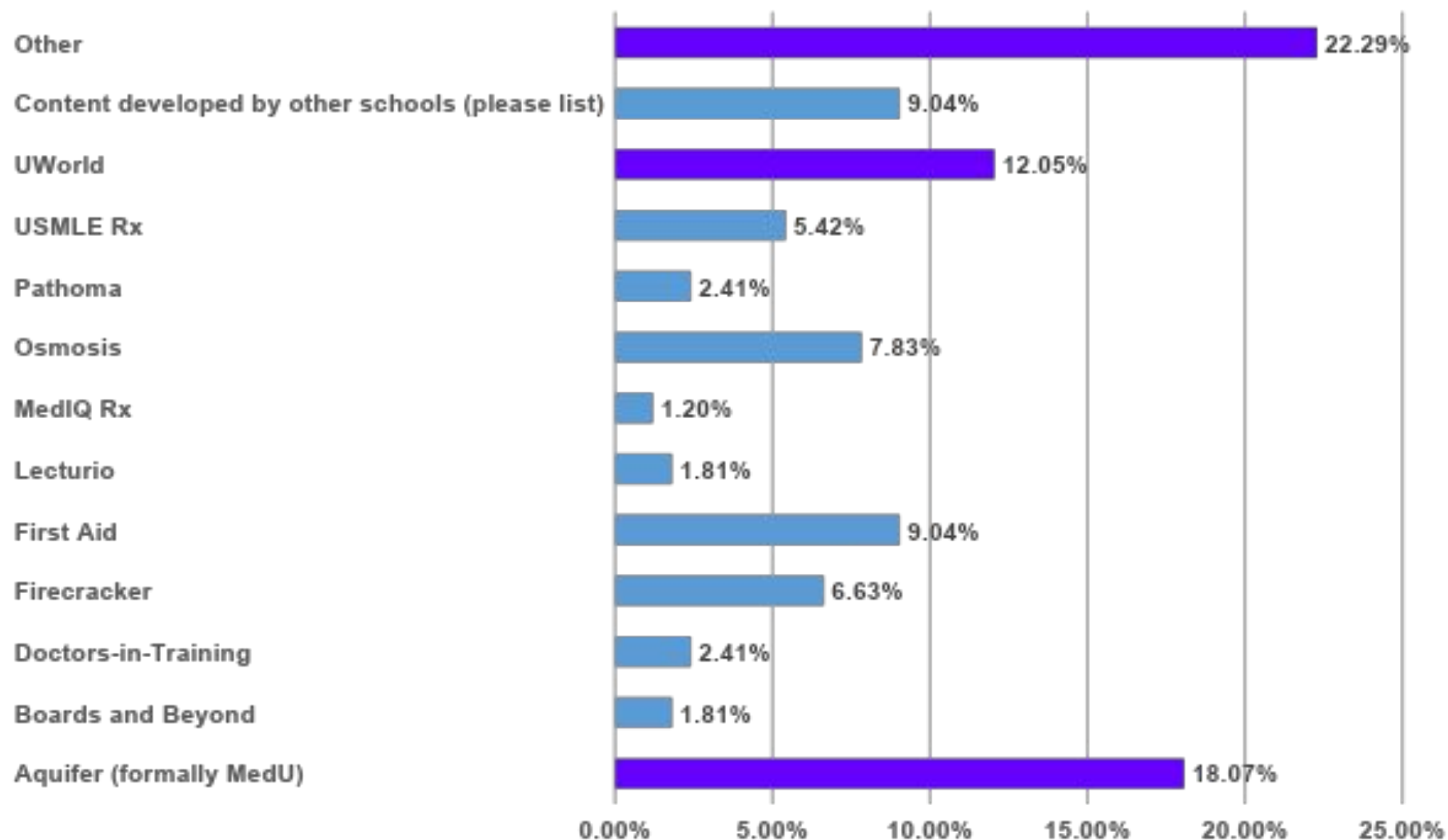


Q18 - When it comes to the curricular content, which of the following describe your (or your team's) responsibility (choose all that apply)?

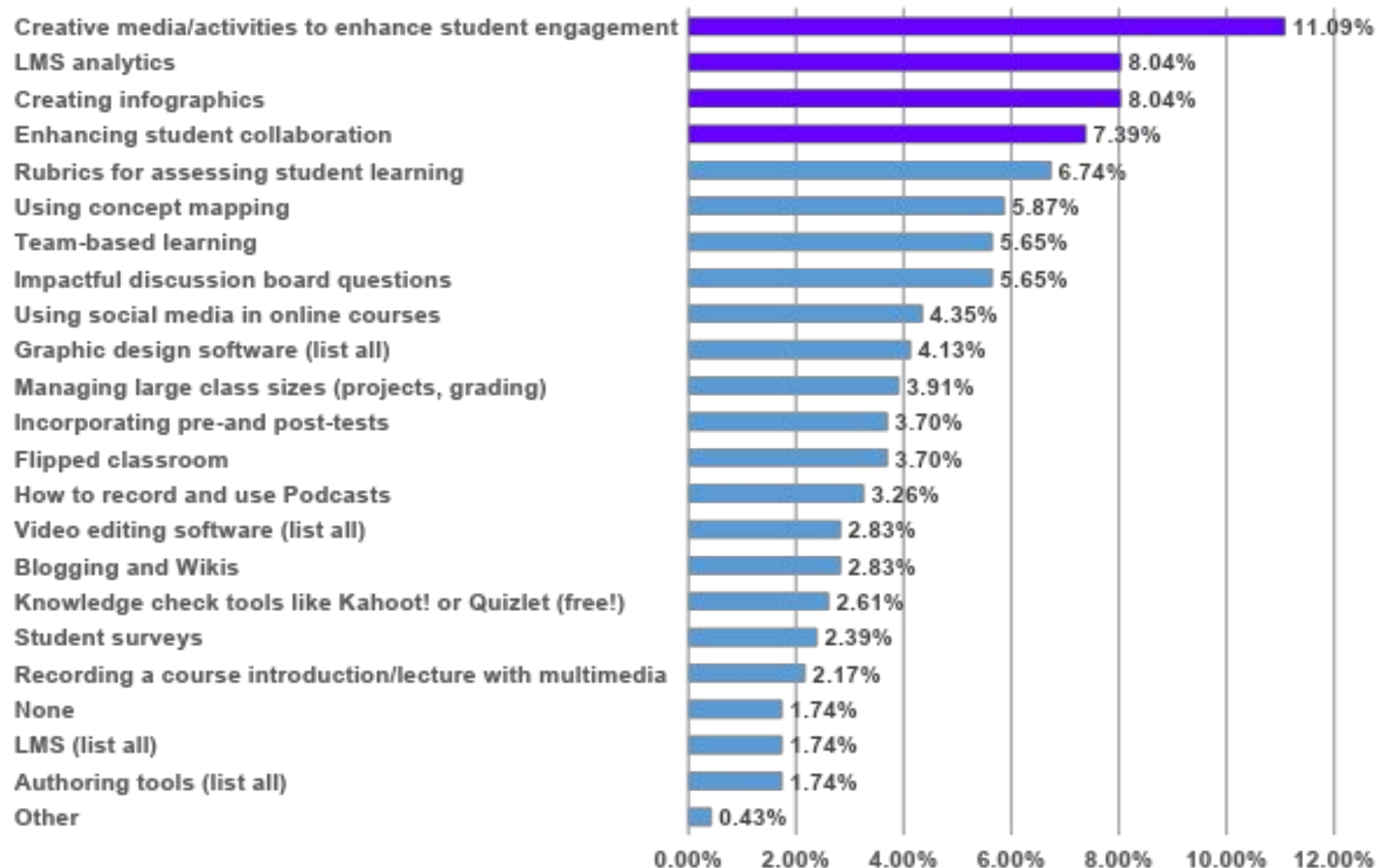
Chart Area



Q19 - Has your institution purchased third party content for your students at your medical school (choose all that apply)?



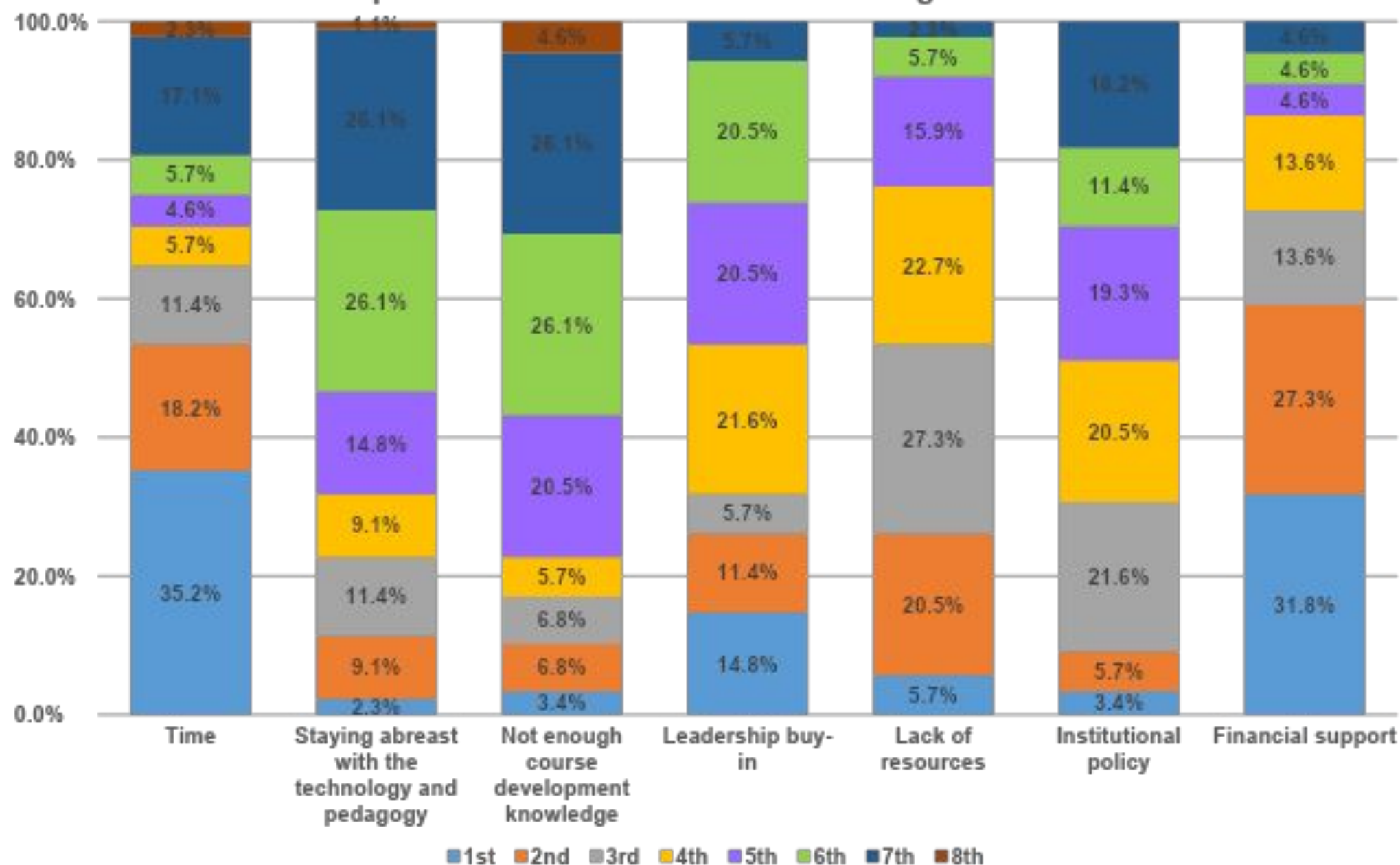
Q20 - You would like training in the following areas (choose all that apply):



Q21 - Which of the following professional development formats best fit your professional development needs (choose all that apply) ?



Q22 - Please rank the barriers that discourage you to participate in professional development in order of relevance with 1 being most relevant



What department does your team work under?

Top



6 Schools

NYU Grossman School of Medicine



1000+
Remote
Teaching
Activities



43 remote
electives



Virtual
Onboarding &
Orientation
Brightspace
Site for New
Class with
1300+ views

100+ Virtual
Consultations

4 CME
courses on
Teaching w/
Technology



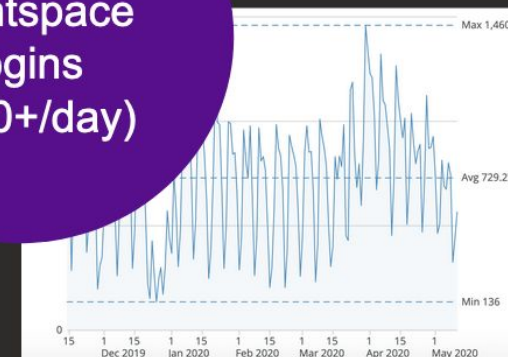
David Fenyo, PhD
Institute for Systems Genetics
Professor, Department of Biochemistry and
Molecular Pharmacology

"We started two of the courses yesterday and over 200 came to each of the sessions. Zoom worked very well even for such large groups. Many of our computational biology PhD students had volunteered and were answering questions as fast as they could. The polling function was very useful, and we used it several times. I think it all worked really well!"

10,000 + Views
of Remote
Teaching Guides
& Tips



Record-high
Brightspace
Logins
(2300+/day)



Stanford School of Medicine

Pre-Covid Instructional Development Department

- Instructional Development linked with evaluations
- All small group and lecture sessions f2f (and recorded)
- Faculty Development typically F2F

Post-Covid

- Faculty Zoom Training/Training on asynchronous tools
- Changes in lecture capture platform (using recordings in Zoom)
- Researched 3rd Party content and platforms (to supplement clerkships)
- Clerkships condensed
- Most exams switched to remote (open book)
- All faculty development online
- Few changes to LMS workflow



Stanford
MEDICINE

Uniformed Services University (USU) of the Health Sciences

Pre-COVID to COVID

- Movement to Stop Movement
- Help Desk
- In processing
- Space
- Lecture Capture
- Proctoring
- VPN
- Training/Development



McGovern Medical School, UTHealth Houston

Amidst The Pandemic -- Perseverance and Innovation

Synchronous Learning vs. Asynchronous Learning



Backward Design Model



Innovations (Trends to Stay)

- Virtual TBL and PBL Sessions (InteDashboard + Zoom + Webex)
- Virtual Rounding (Webex)
- Virtual Scholarly Research Presentation Sessions
- Online faculty development
- Booming of online learning modules



University of Illinois College of Medicine

Pre-COVID:

- Idyllic and charmed.
- Revamped curriculum but still focused on face-to-face delivery.
- Hundreds of faculty-developed video content created in the past few years.
- Lecture capture.

During COVID:

- Increased reliance on faculty-developed video content.
- Repurpose lecture capture from previous years.
- Tri-campus live sessions.
- Much more visible and broader impact of instructional design on the curriculum.



Indiana University School of Medicine

Pre-COVID to COVID Rapid Response

Faculty

Curriculum (re)Design Bootcamp Program

Curriculum Cohort (Canvas)

Individual Faculty Consulting

Technology Support

Students

Pre-recorded lectures

Online Independent Learning Modules

“Flipped” Clinical Experience

Zoom Grand Rounds



Questions

Thank you for attending

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