# Investigating Videoconference Tools for HyFlex Courses

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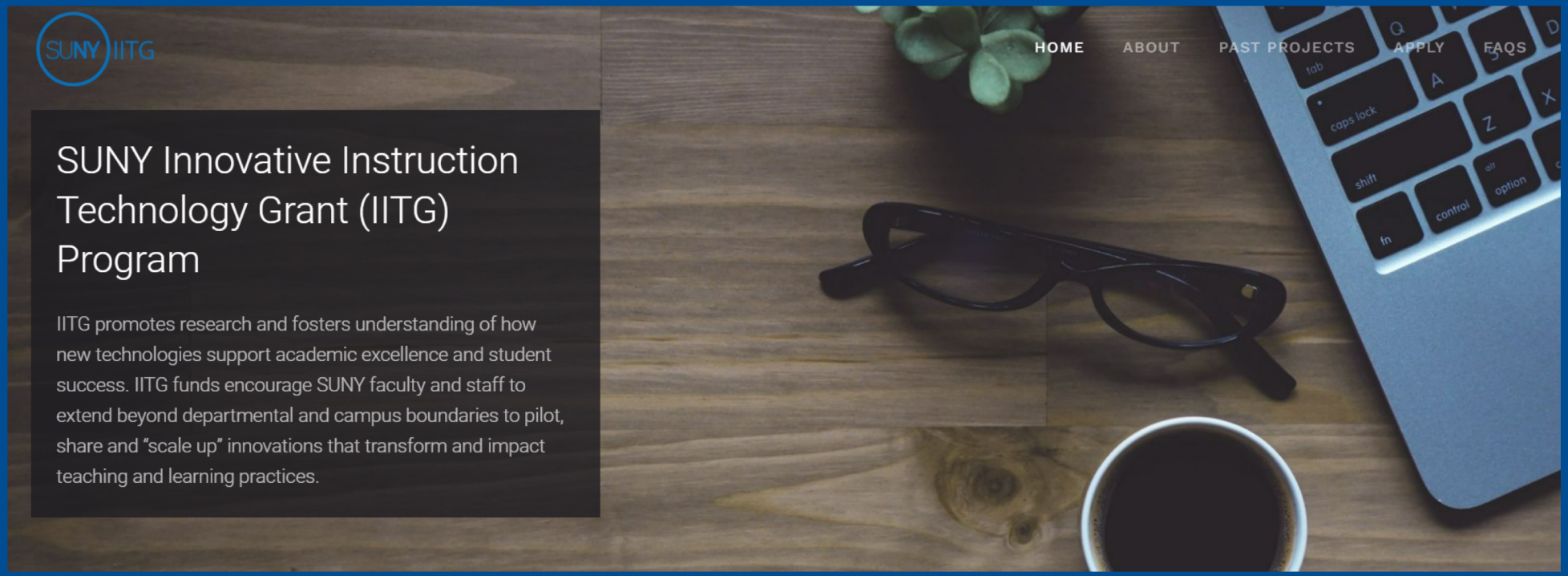
# suny.edu/iitg




**SUNY** THE STATE UNIVERSITY OF NEW YORK

**State funds** allocated to:

- Replicate campus success, avoid pitfalls
- Transcend campus boundaries
- Build *Communities of Practice*
- Demonstrate and share evidence of impact
- Support SUNY strategic objectives
- Scale-Up success across SUNY

- IITG paused in 2020
- Two projects funded in 2022
  - Tools for HyFlex Courses
  - Tools for Large Courses

## What is HyFlex?

- Individual students have the choice how to participate (in person, online syncnronous, online asynchronous) at any time during the course

## Why HyFlex?

- Two SUNY strategic priorities:
  - Build competencies and support post-traditional and adult learners – particularly those seeking to reinvent their academic or career trajectory
  - Improve student learning, student success, and program completion

# Why focus on videoconference tools?

April 2022 – Call for participants

May 2022 – Participants selected tool after demos

June 2022 – HyFlex Course Design Workshop

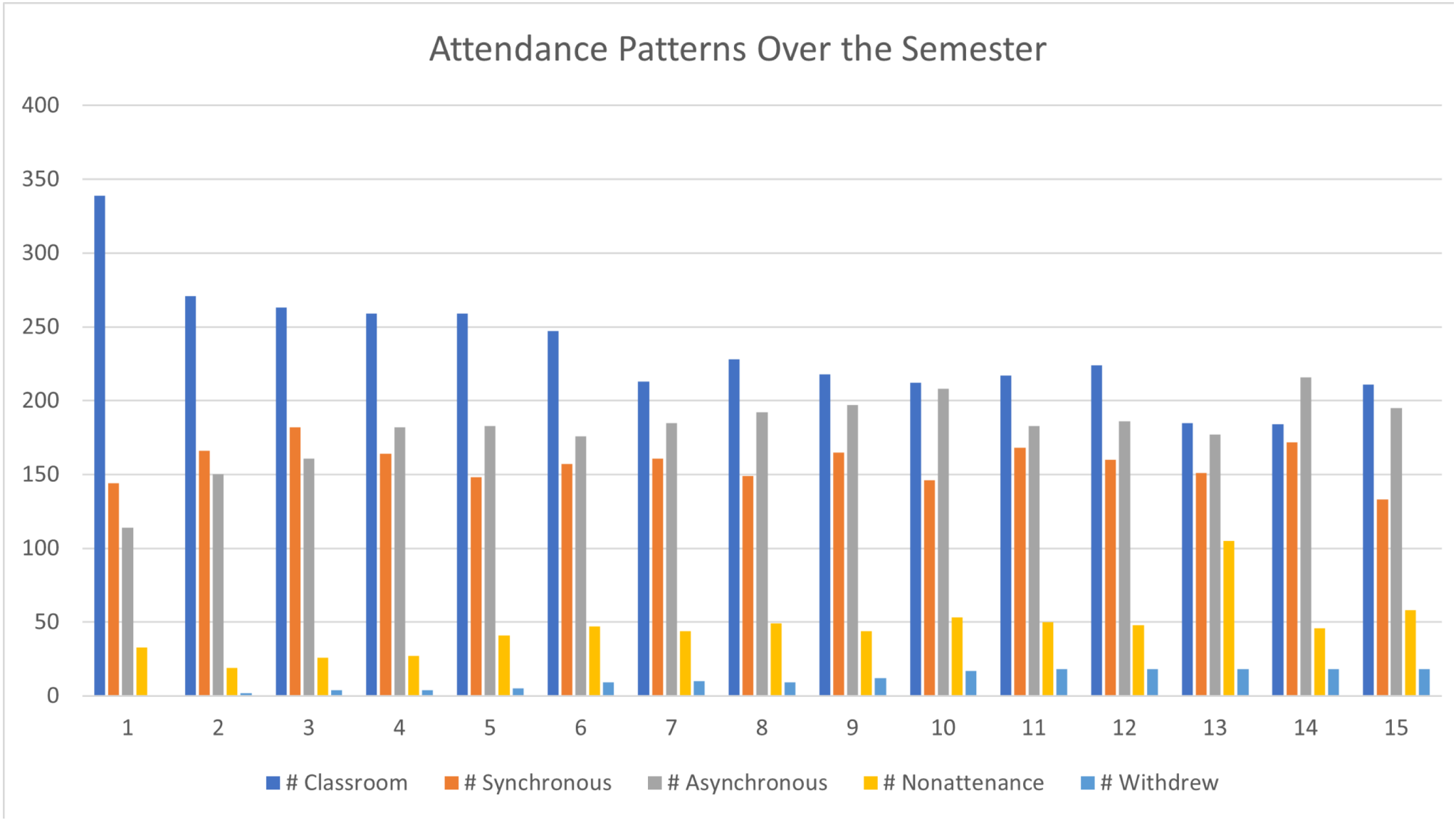
July/August 2022 – Participants redesign course and learn tool

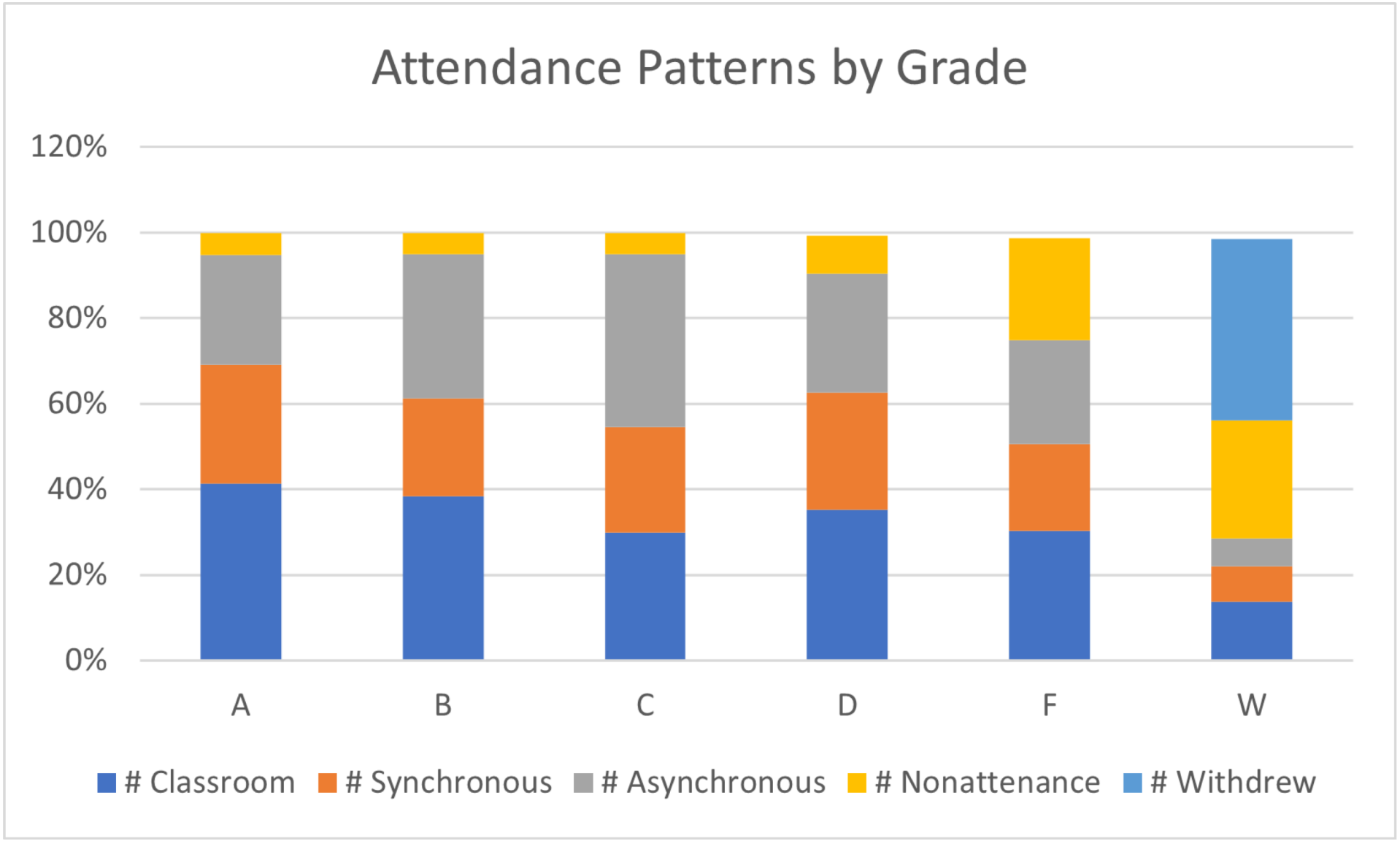
Fall 2022/Spring 2023 – Participants teach HyFlex courses, assist with surveys and data collection, and attend meetings (check-ins, tool training)

- 53 participants(77 applicants) from 20 campuses
  - 30 - Fall 22
  - 23 - Spring 23
- Tool choice
  - 22 -Zoom
  - 12- Teams
  - 12 - Class
  - 2 - Engageli
  - 5 – Other (WebEx, Collaborate, Discord)

# Research Project Plan

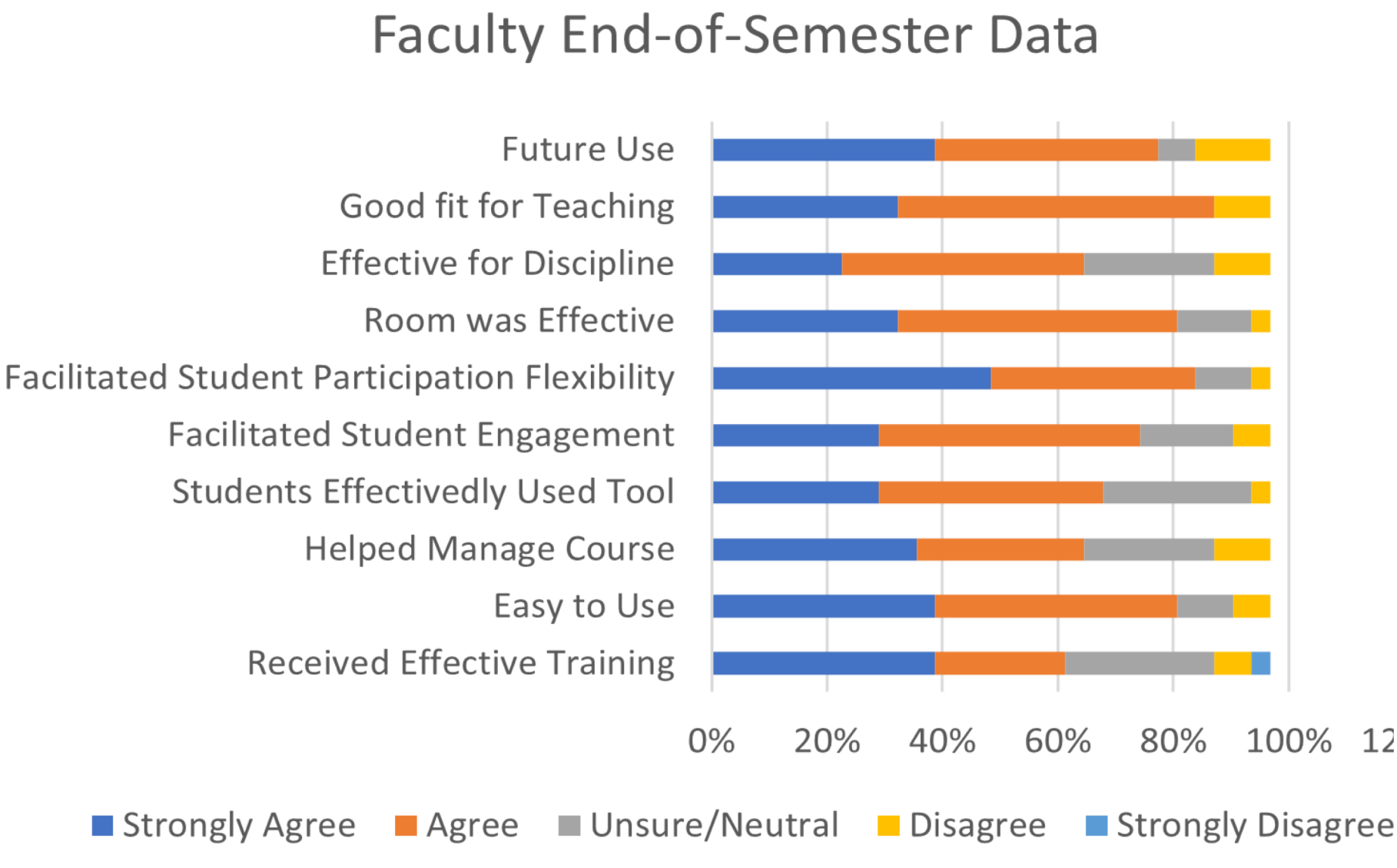
- What is the effect of videoconference tool choice on the implementation (design & delivery) of a HyFlex course?
  - Faculty
    - Initial Survey
    - Attendance Data
    - End-of-semester Survey
  - Students
    - End-of-semester Survey

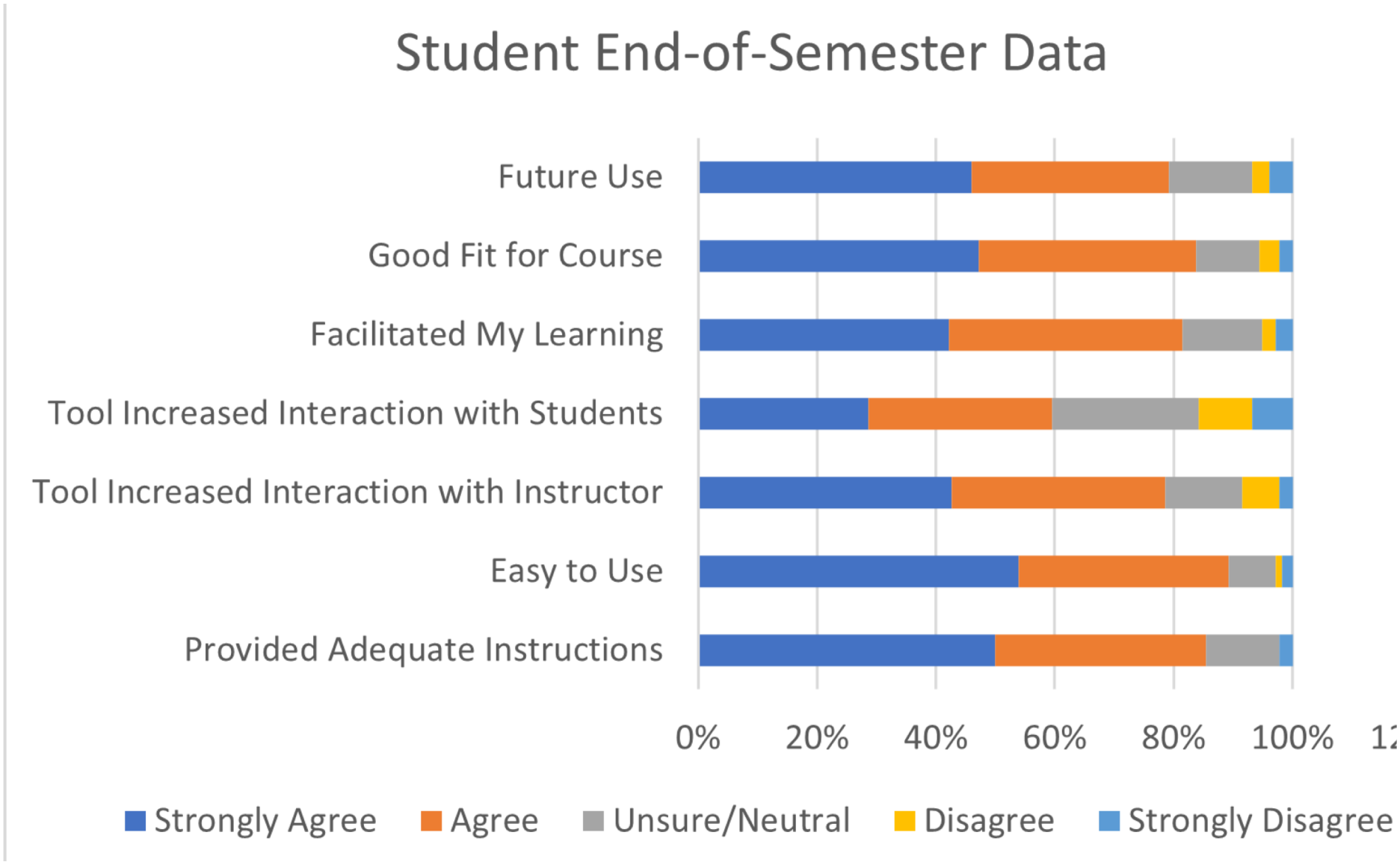

Attendance Patterns Over the Semester
400
350
300
250
200
150
100
50
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
# Classroom
# Synchronous
# Asynchronous
# Nonattenance
# Withdrew

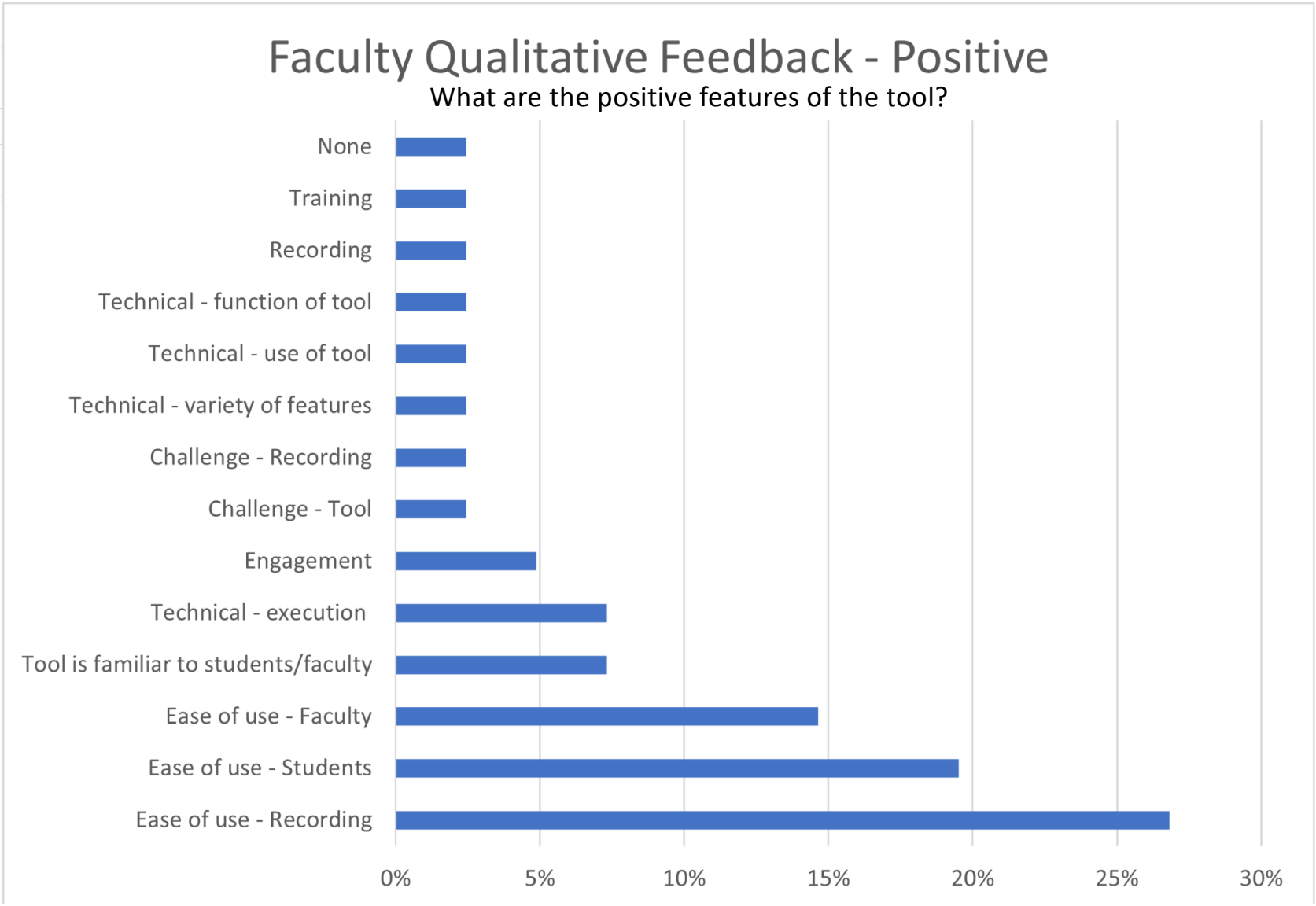

Attendance Patterns by Grade
120%
100%
80%
60%
40%
20%
0%
A
B
C
D
F
W
# Classroom
# Synchronous
# Asynchronous
# Nonattenance
# Withdrew

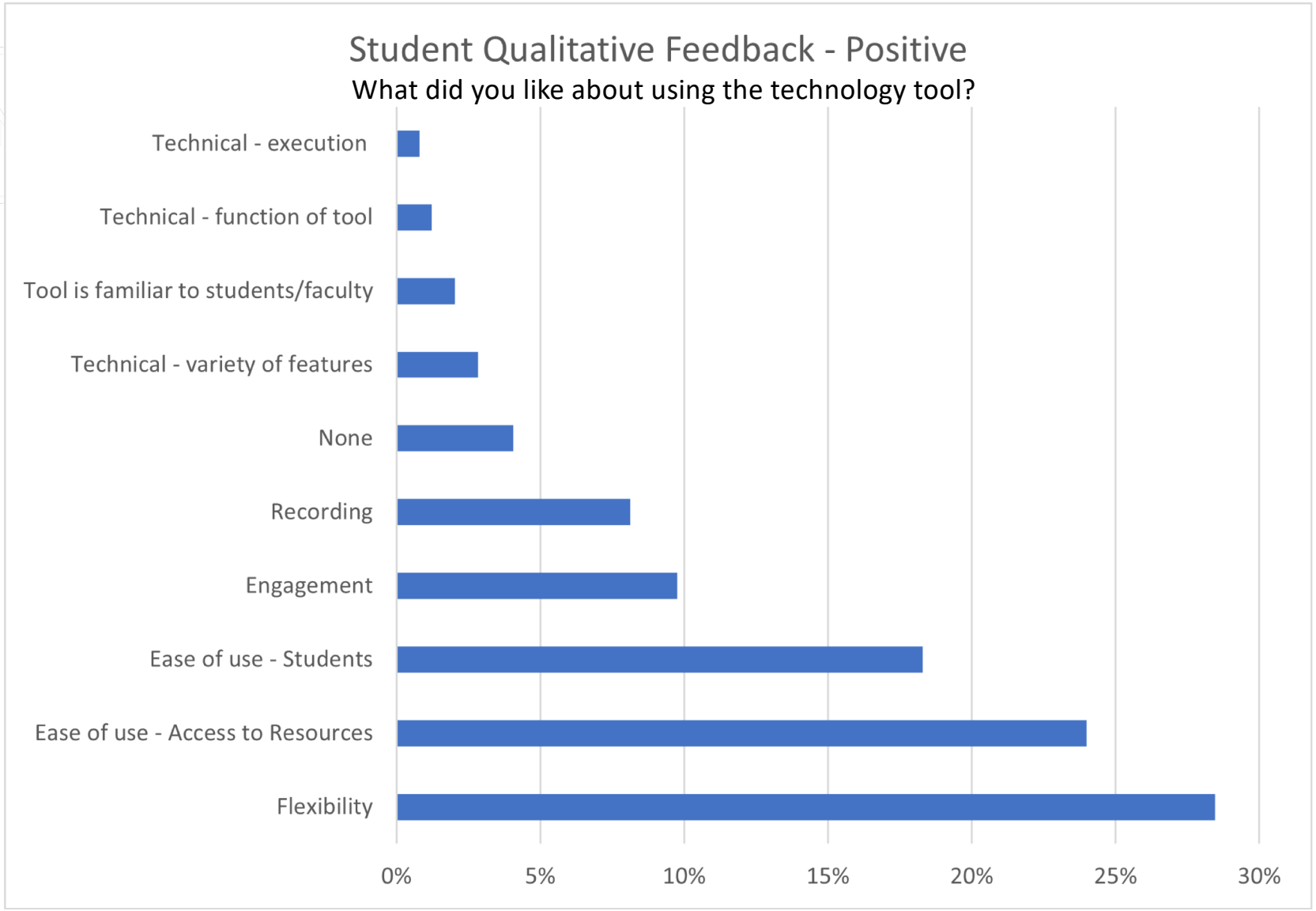
# Fall 23 End-of-Semester Survey Participation

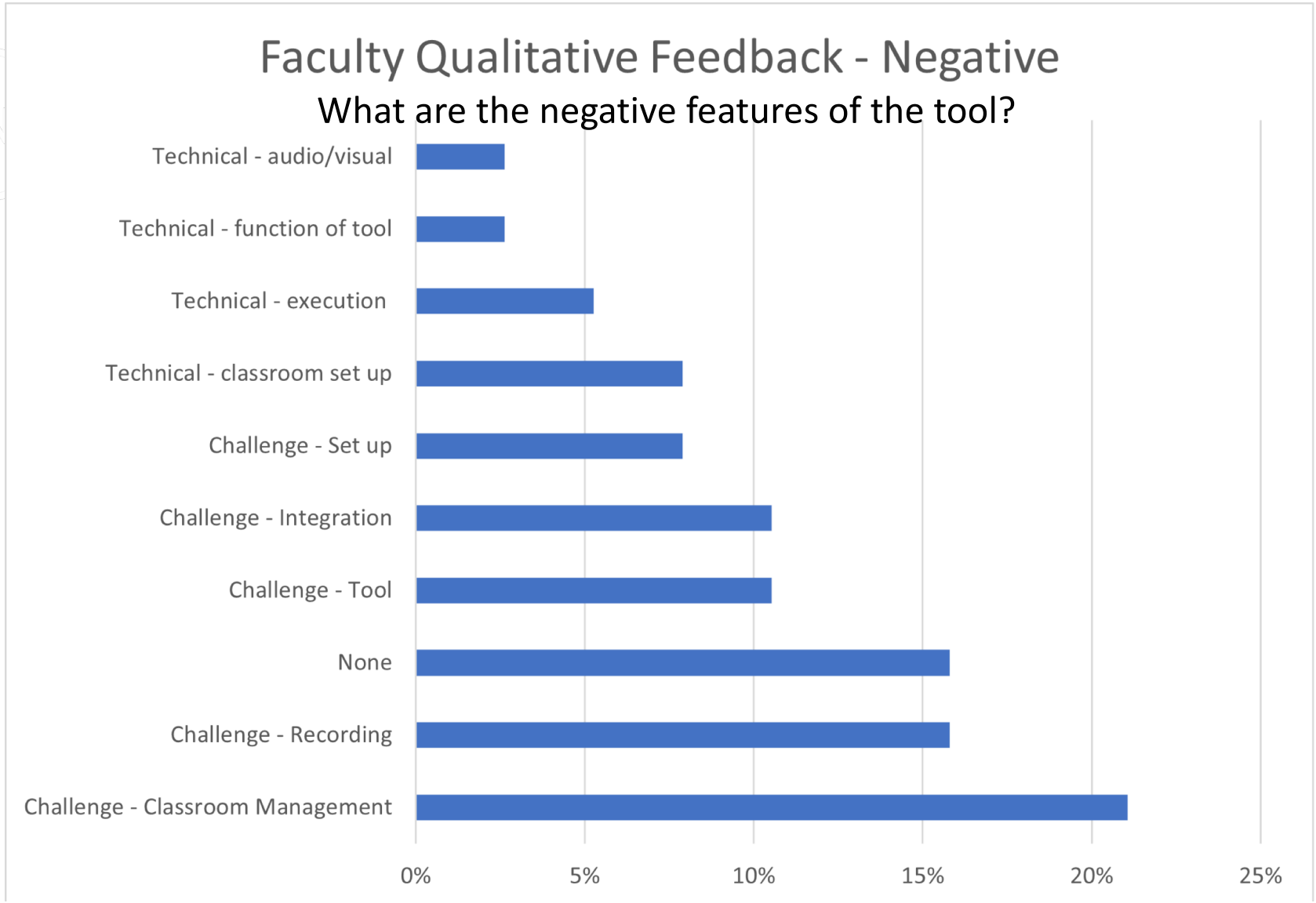
- Faculty
  - 31 faculty participated in the survey,
    - Class: 5
    - Engageli: 2
    - Teams: 8
    - Zoom: 13
    - Other: 3
- Students
  - 178 Students participated in the survey,
    - Class: 28
    - Engageli: 13
    - Teams: 23
    - Zoom: 94
    - Other/Unsure: 20

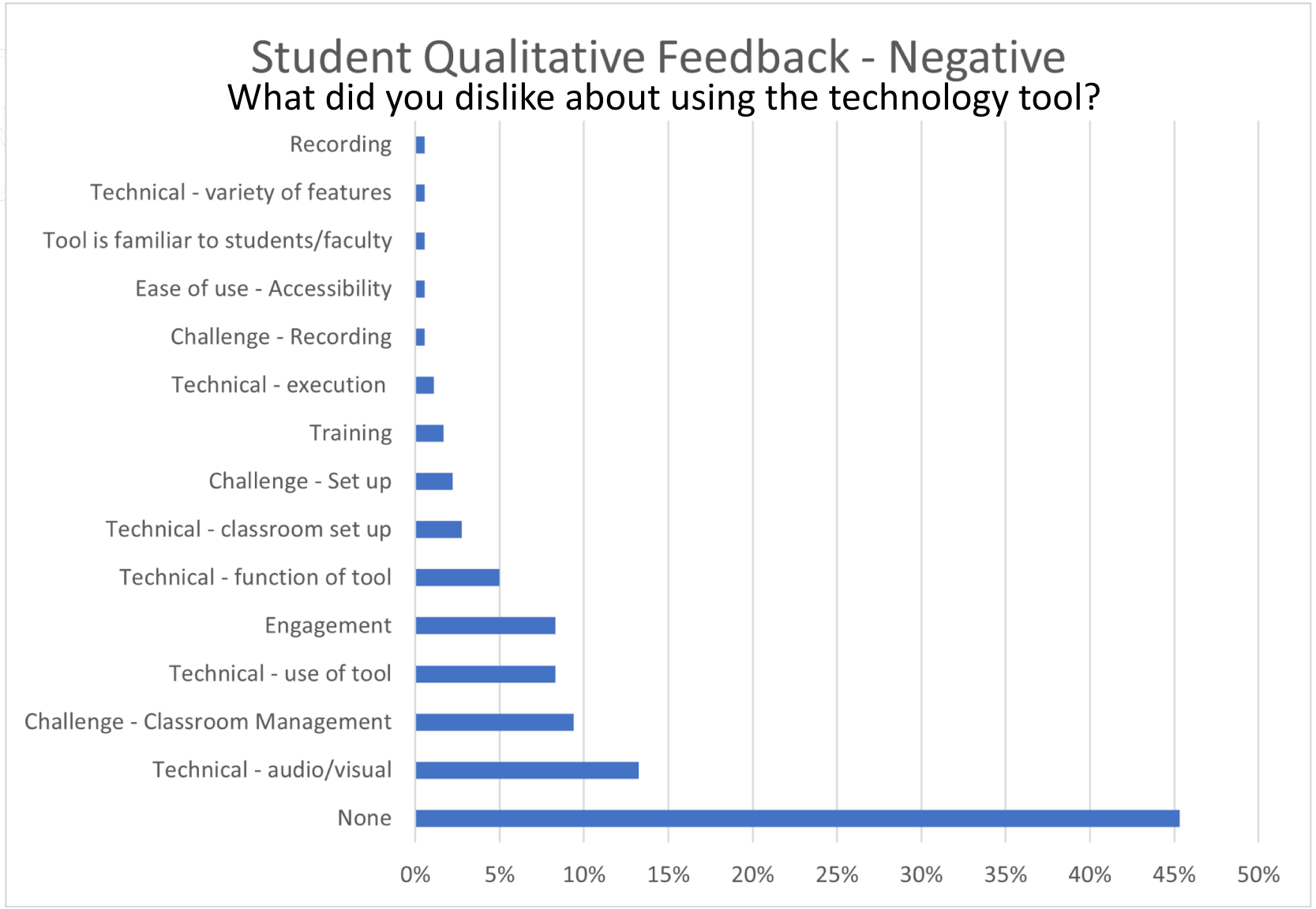

Faculty End-of-Semester Data
Future Use
Good fit for Teaching
Effective for Discipline
Room was Effective
Facilitated Student Participation Flexibility
Facilitated Student Engagement
Students Effectivedly Used Tool
Helped Manage Course
Easy to Use
Received Effective Training
0%
20%
40%
60%
80%
100%
12
Strongly Agree
Agree
Unsure/Neutral
Disagree
Strongly Disagree

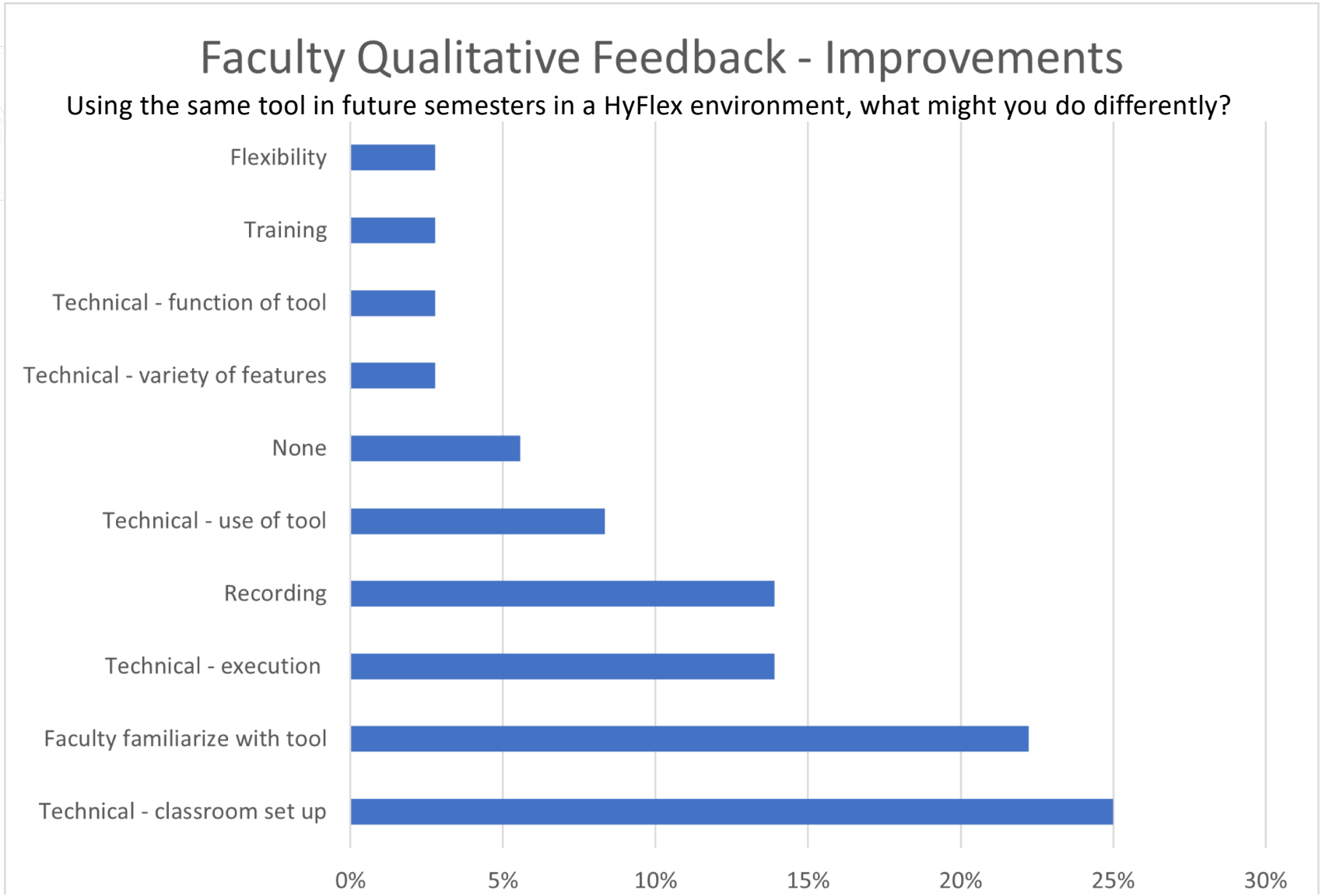

Student End-of-Semester Data
Future Use
Good Fit for Course
Facilitated My Learning
Tool Increased Interaction with Students
Tool Increased Interaction with Instructor
Easy to Use
Provided Adequate Instructions
0%
20%
40%
60%
80%
100%
Strongly Agree
Agree
Unsure/Neutral
Disagree
Strongly Disagree


Faculty Qualitative Feedback - Positive
What are the positive features of the tool?
None
Training
Recording
Technical - function of tool
Technical - use of tool
Technical - variety of features
Challenge - Recording
Challenge - Tool
Engagement
Technical - execution
Tool is familiar to students/faculty
Ease of use - Faculty
Ease of use - Students
Ease of use - Recording
0%
5%
10%
15%
20%
25%
30%


Student Qualitative Feedback - Positive
What did you like about using the technology tool?
Technical - execution
Technical - function of tool
Tool is familiar to students/faculty
Technical - variety of features
None
Recording
Engagement
Ease of use - Students
Ease of use - Access to Resources
Flexibility
0%
5%
10%
15%
20%
25%
30%

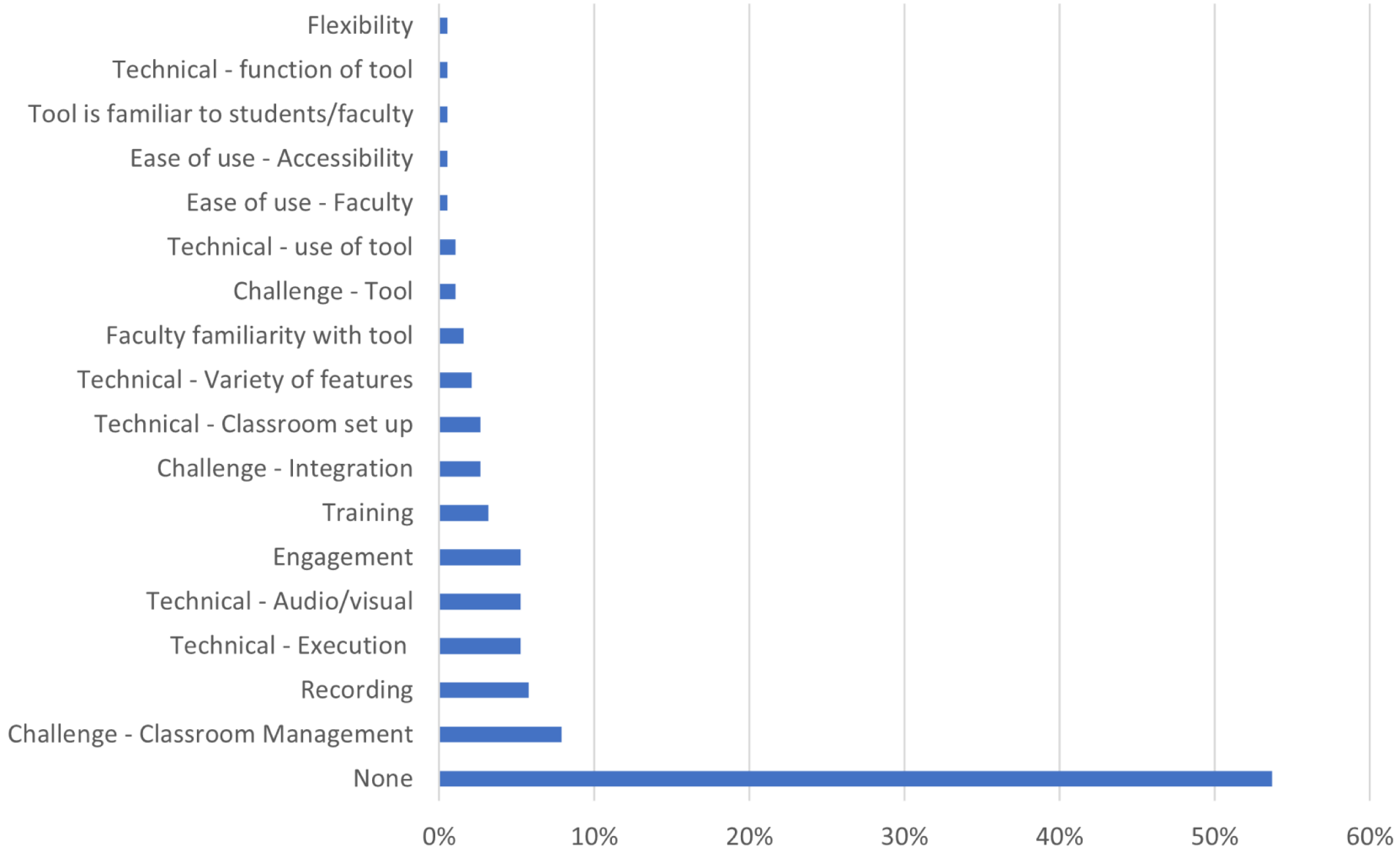

Faculty Qualitative Feedback - Negative
What are the negative features of the tool?
Technical - audio/visual
Technical - function of tool
Technical - execution
Technical - classroom set up
Challenge - Set up
Challenge - Integration
Challenge - Tool
None
Challenge - Recording
Challenge - Classroom Management
0%
5%
10%
15%
20%
25%


Student Qualitative Feedback - Negative
What did you dislike about using the technology tool?
Recording
Technical - variety of features
Tool is familiar to students/faculty
Ease of use - Accessibility
Challenge - Recording
Technical - execution
Training
Challenge - Set up
Technical - classroom set up
Technical - function of tool
Engagement
Technical - use of tool
Challenge - Classroom Management
Technical - audio/visual
None
0%
5%
10%
15%
20%
25%
30%
35%
40%
45%
50%


Faculty Qualitative Feedback - Improvements
Using the same tool in future semesters in a HyFlex environment, what might you do differently?
Flexibility
Training
Technical - function of tool
Technical - variety of features
None
Technical - use of tool
Recording
Technical - execution
Faculty familiarize with tool
Technical - classroom set up
0%
5%
10%
15%
20%
25%
30%

# Student Qualitative Feedback - Improvements

What are some recommendations you would make to the instructor about using the tool in the future?



# Faculty Experience

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