

Network Metrics 2021



Metrics Overview

5 Type of Data:

1. WE² program membership lists and event attendance
2. IAC internal database and student portal
3. WE² mentorship surveys
4. Anecdotal and Discussion Notes
5. Outside Data: <https://www.asee.org/documents/papers-and-publications/publications/college-profiles/2018-Engineering-by-Numbers-Engineering-Statistics-UPDATED-15-July-2019.pdf>

COVID has caused a decrease in diversity in the IAC program over the past year, particularly due to that pandemic's impact on international student enrollment, which make up a significant portion of the students of color and graduate students in the IAC. This is in line our data as well as with what other higher education institutions have found, the COVID has a greater impact on enrollment for underrepresented minorities in STEM.

Membership Lists

WE² Program Membership Lists

- 650 WE² network members
 - 21% students / 56% alumni / 23% other
- 540 LinkedIn connections and growing
 - 42% increase from last year
- 48 Book Club Members
 - 53% of Centers with at least 1 member
 - 58% also involved in the Mentorship Program
 - 51% student / 31% alumni / 18% other
- As of February 2021:
 - 52% of female students are "active members"
 - 22% of female students are considered "highly active members"

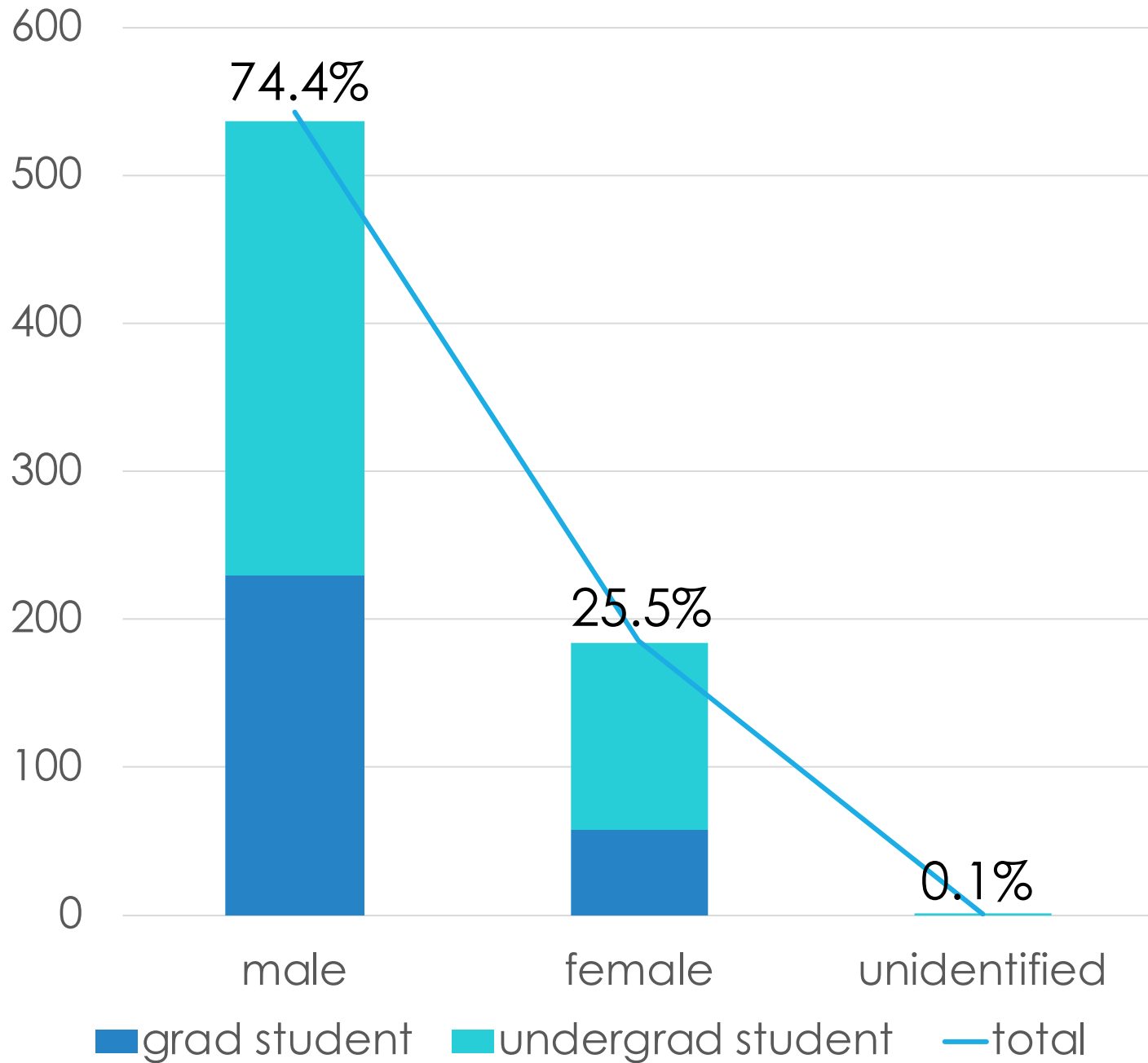


IAC Database and Student Portal

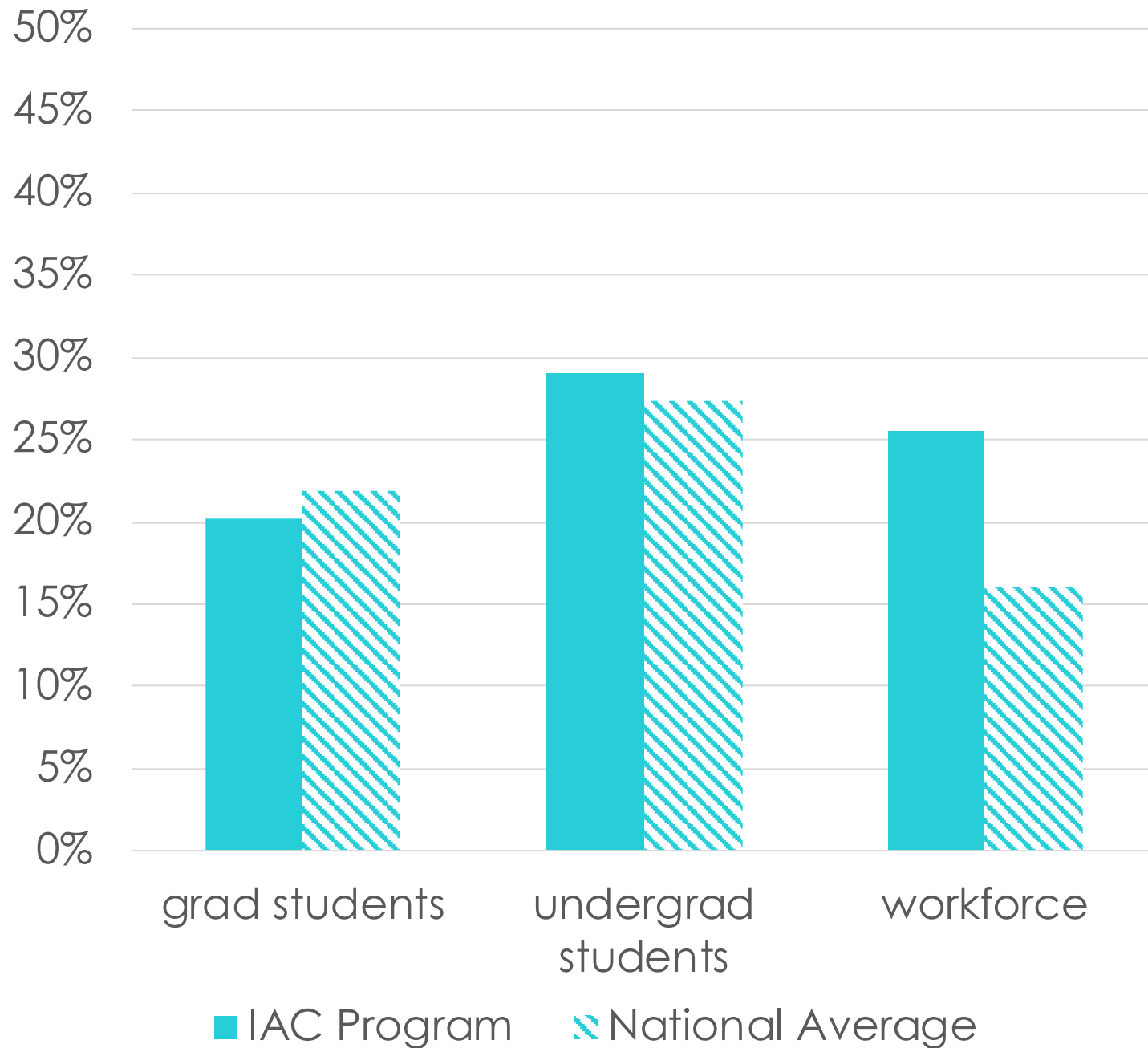


Student Portal

- Gives us gender data to accompany student metrics in the IAC databased
- Data types
 - Enrollment
 - Participation and Achievement – number of assessments, certificate holders, etc.
 - Leadership – percentage of center leads, assessment leads, and graduate students
 - Entry and Exit survey data



Gender by Educational Level

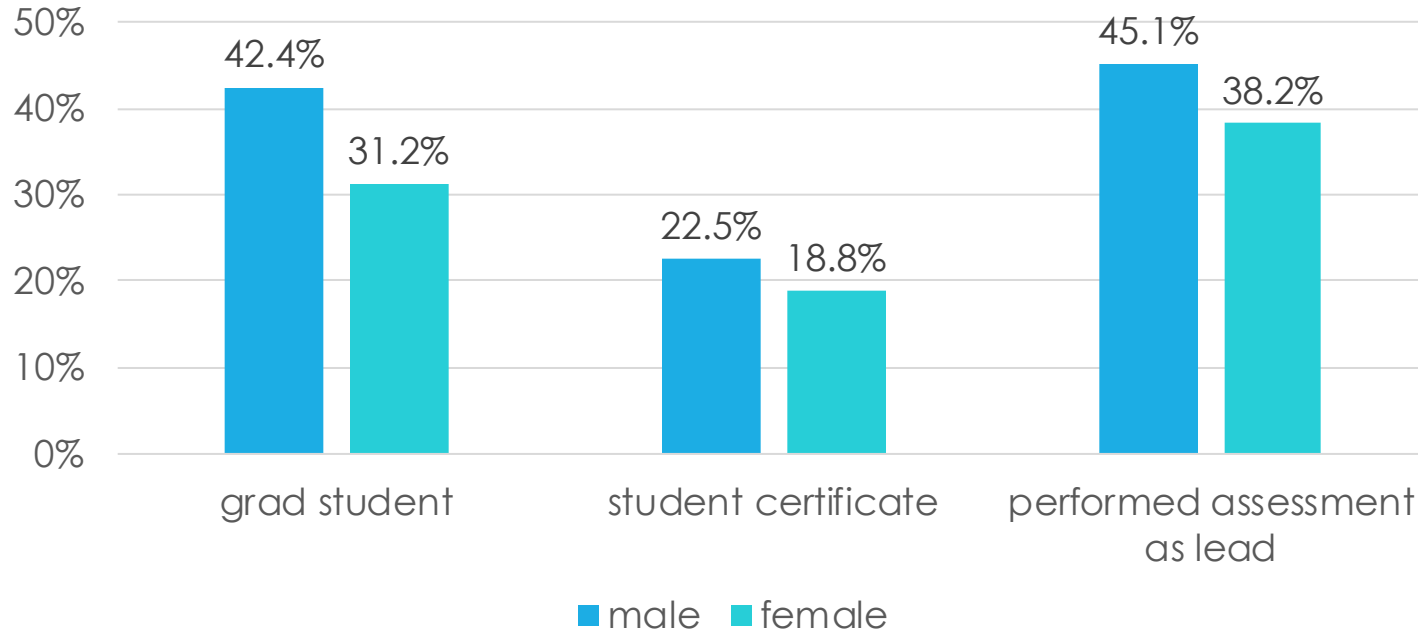


**Women in the
IAC Program
Compared to
USA National
Statistics in
Engineering**

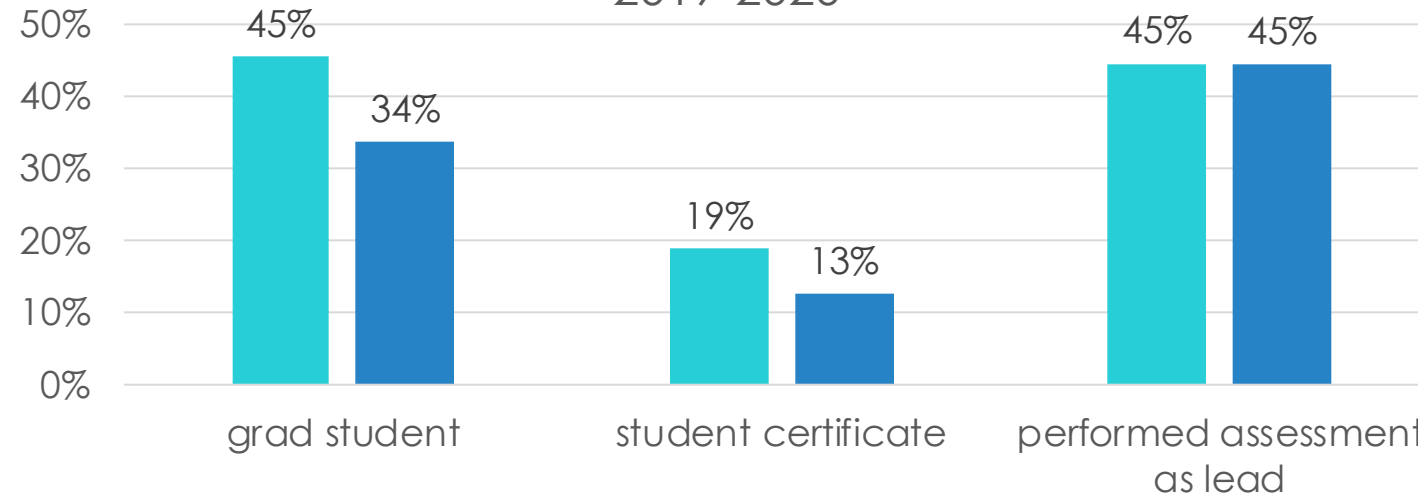
Percent Women in IAC / Nation Average by Major and Degree

	Under (x times Nat. Avg.)	Grad (x times Nat. Avg.)
Mechanical Engineering	1.53	1.07
Civil Engineering	2.21	1.77
Electrical/Computer Engineering	0.96	0.69
Chemical Engineering	1.30	0.25
Industrial Engineering	1.64	1.14
Aerospace Engineering	2.05	0.00
Environmental Engineering	0.99	0.61

2020-2021

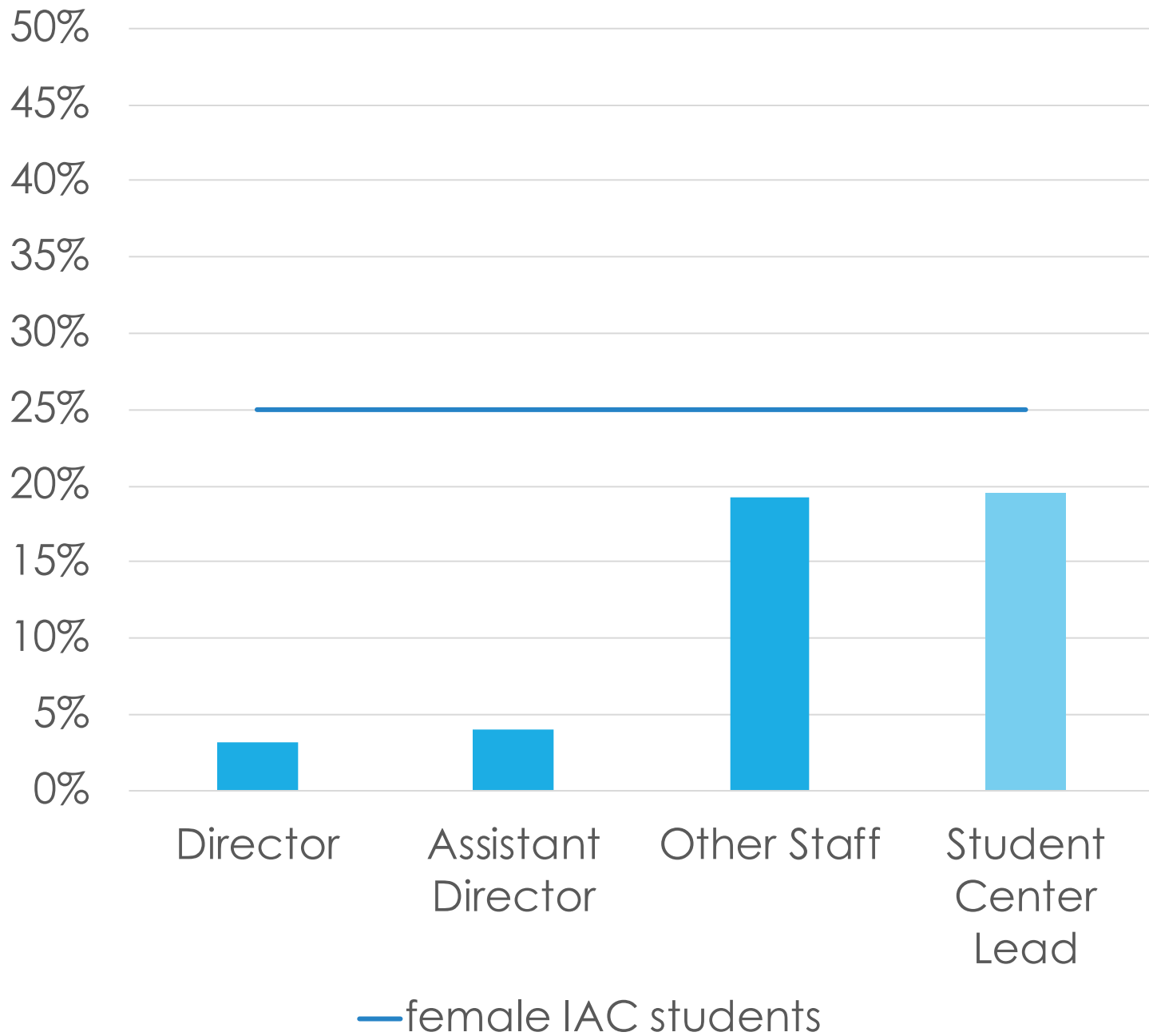


2019-2020



Percent of Gender with Achievement

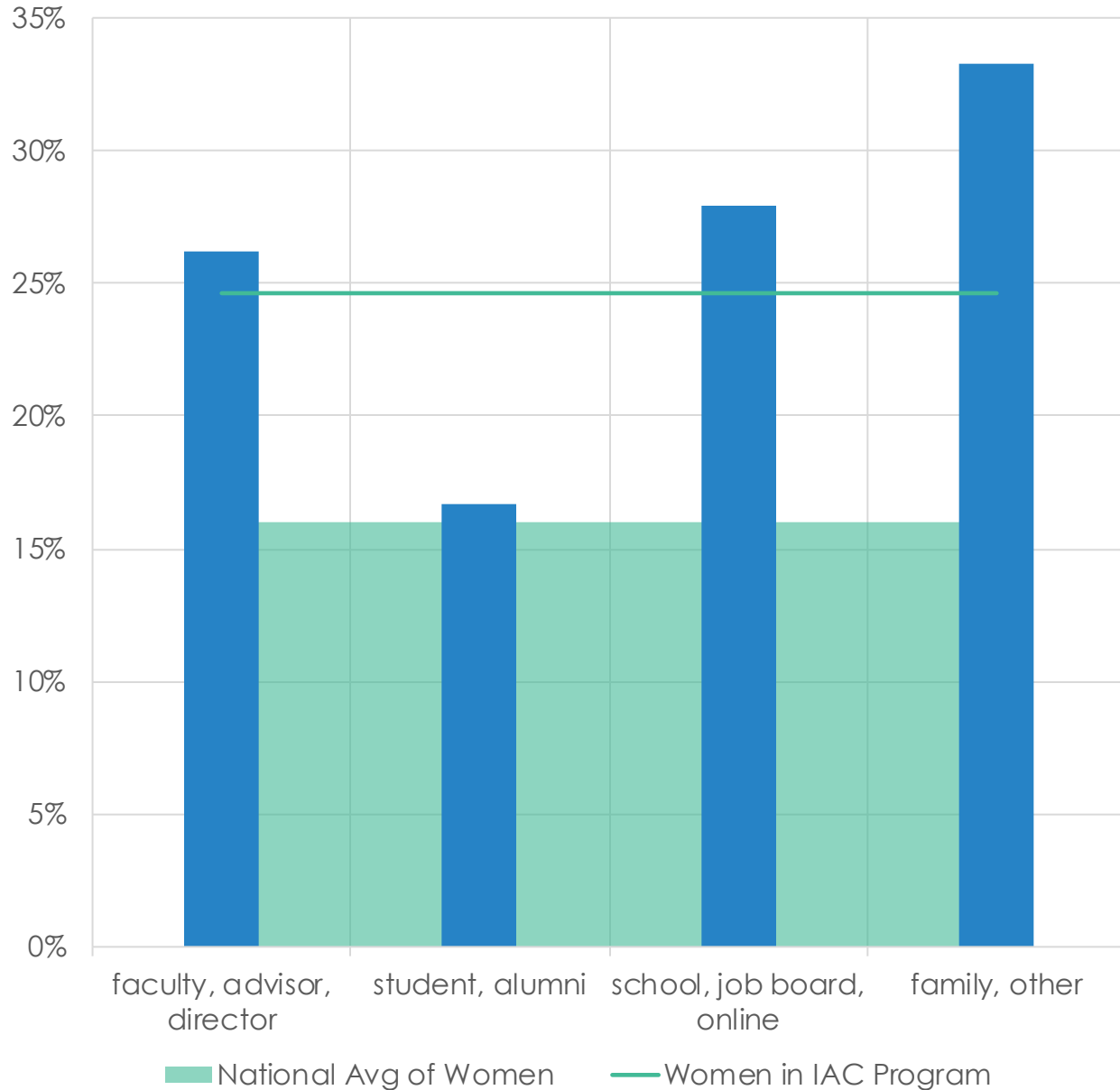
- Less assessments during time in IAC
- More assessments before assessment lead
- Many divides increased during COVID



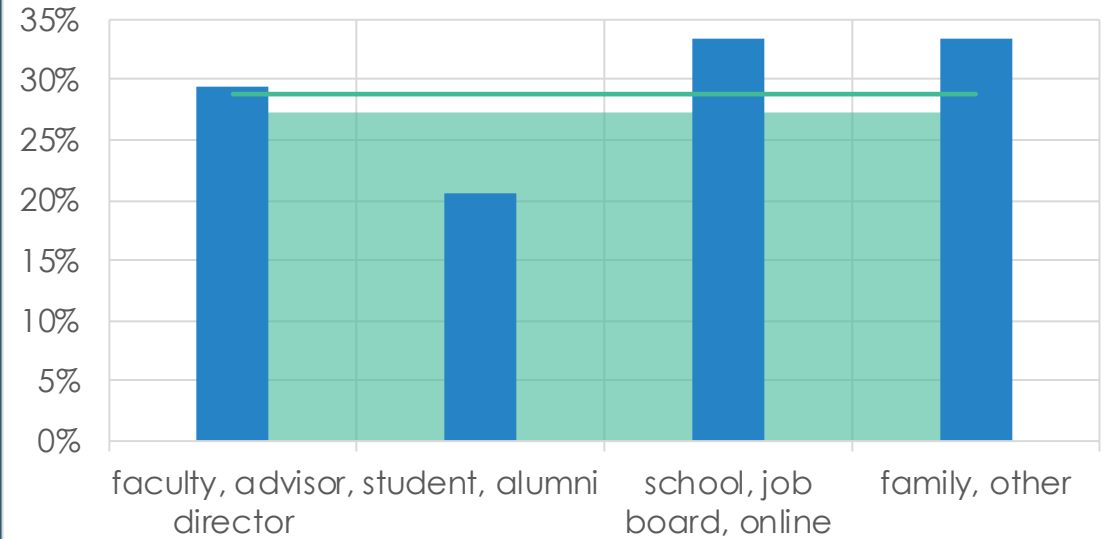
Women in Center Leadership

- Student Center Leads increased from 14% to 19.5%
- **HOWEVER**, this number includes alternates
 - 15.6% of primary center leads are women
 - 33.3% of alternate center leads are women

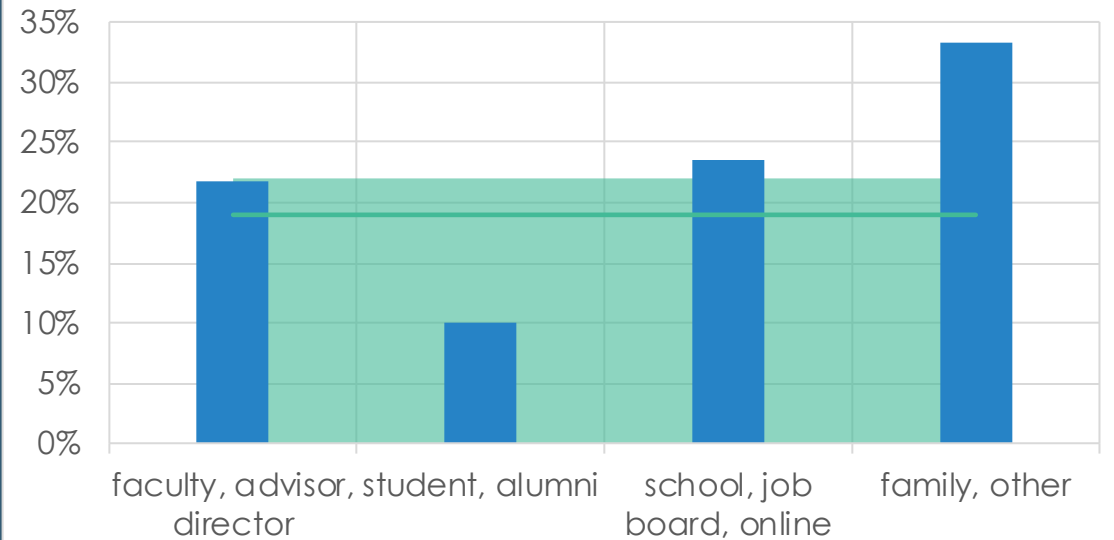
How'd you hear about IAC?



(Undergrad)



(Grad)





Mentorship Survey Data

Spring 2020

Surveys

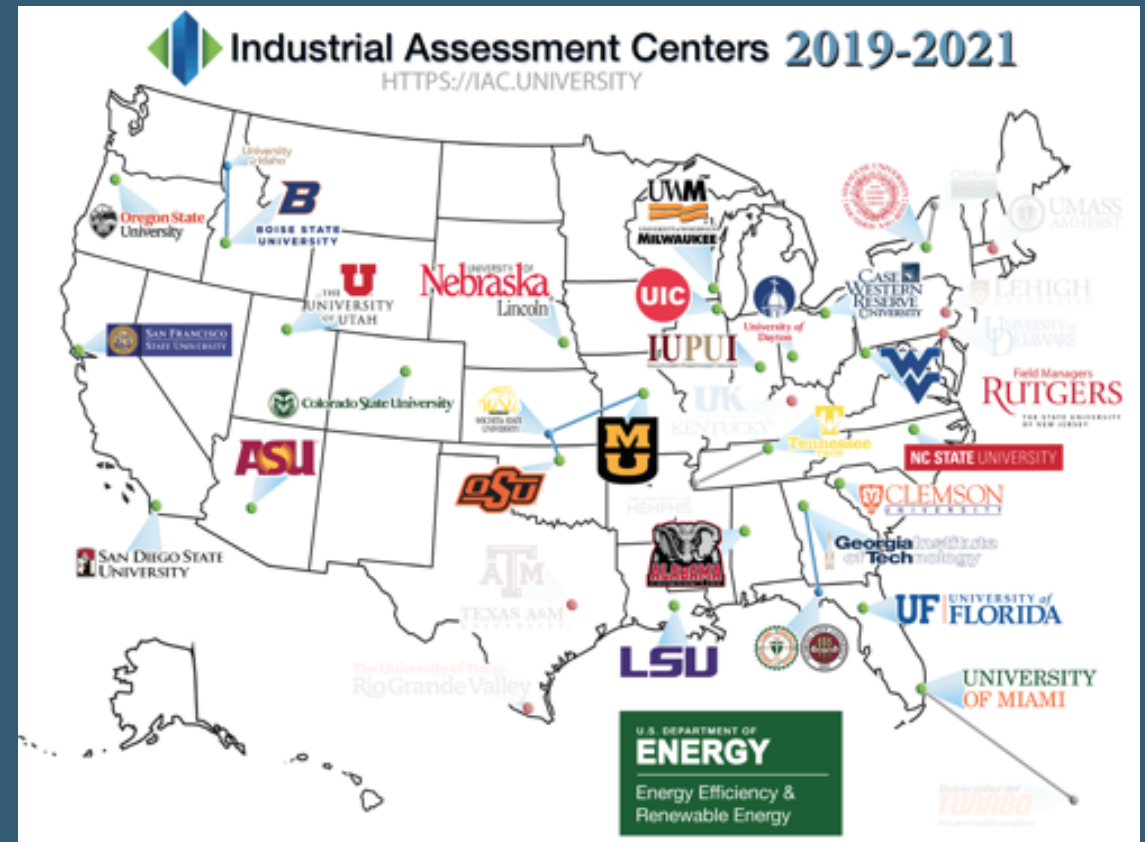
- To gather metrics/feedback on the program for continuous improvement
 - Registration Form – Sept-Nov
 - First survey – Feb
 - Second survey – May



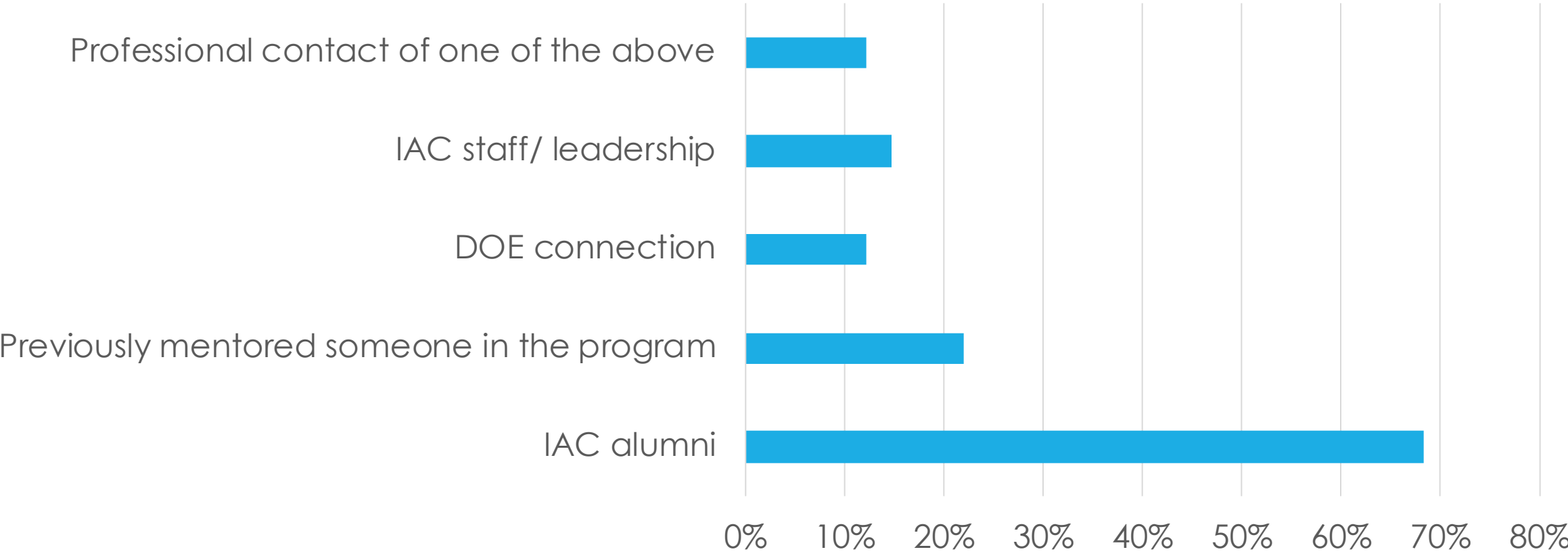
qualtrics®

Registrations metrics

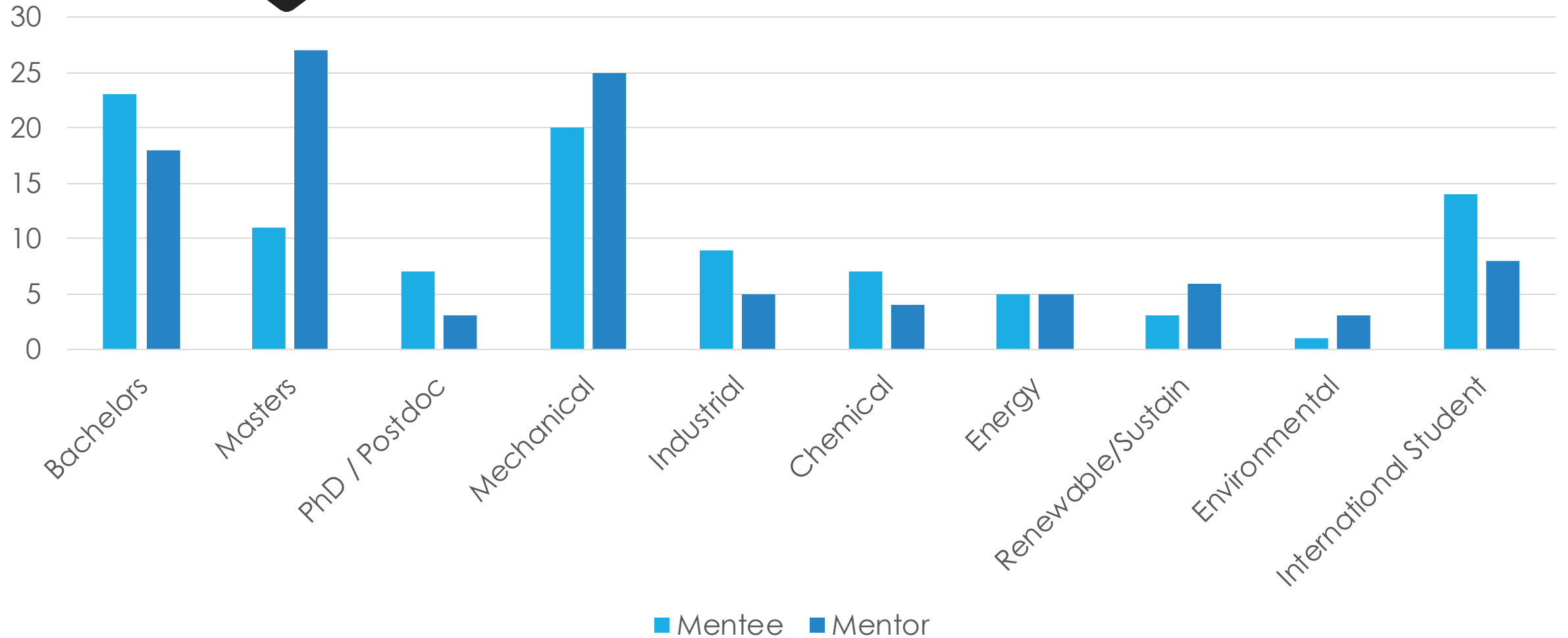
- 50% Increase in pairs from last year
- 45% of participants from Year 1 also participated in Year 2
- Mentees: Representing 25 different centers (81%)
 - 41% of female IAC students are in mentorship program
- Mentors: 68% IAC Alumni, representing 18 different centers (58%)



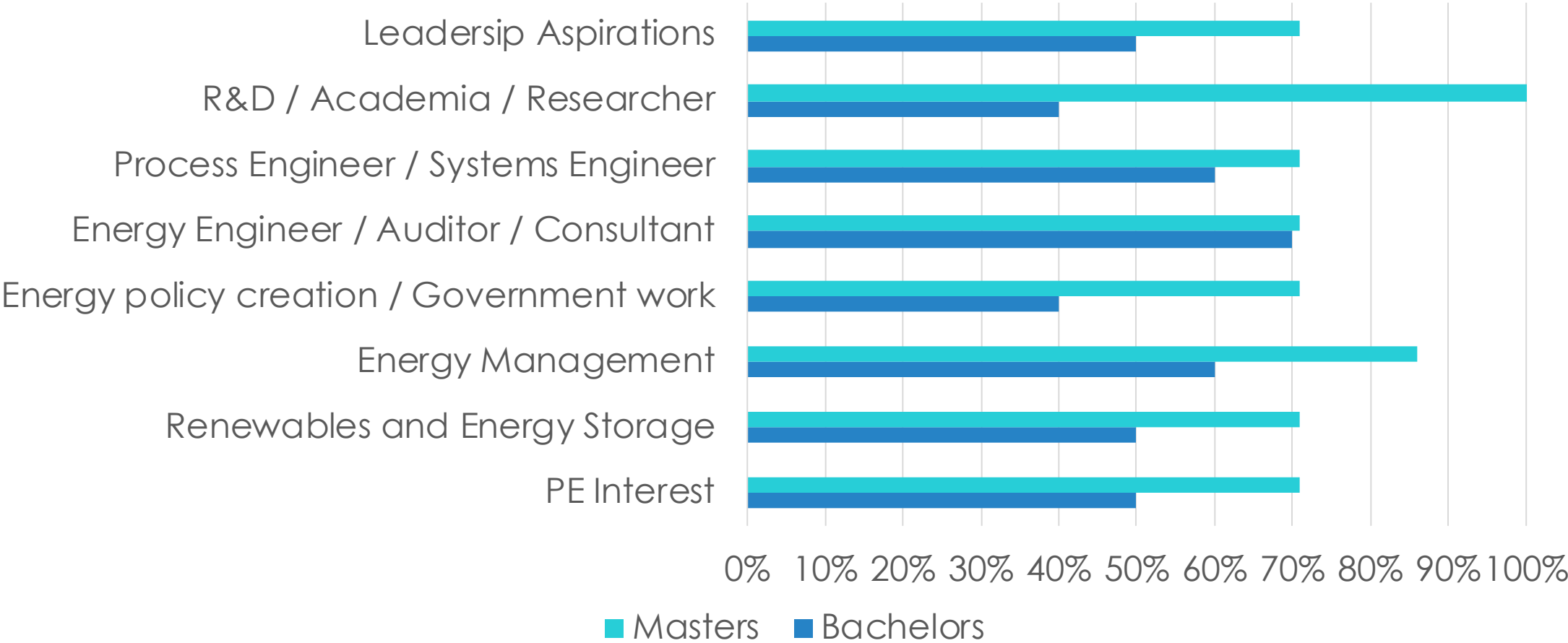
Registration Mentor metrics



Registrations Demographics



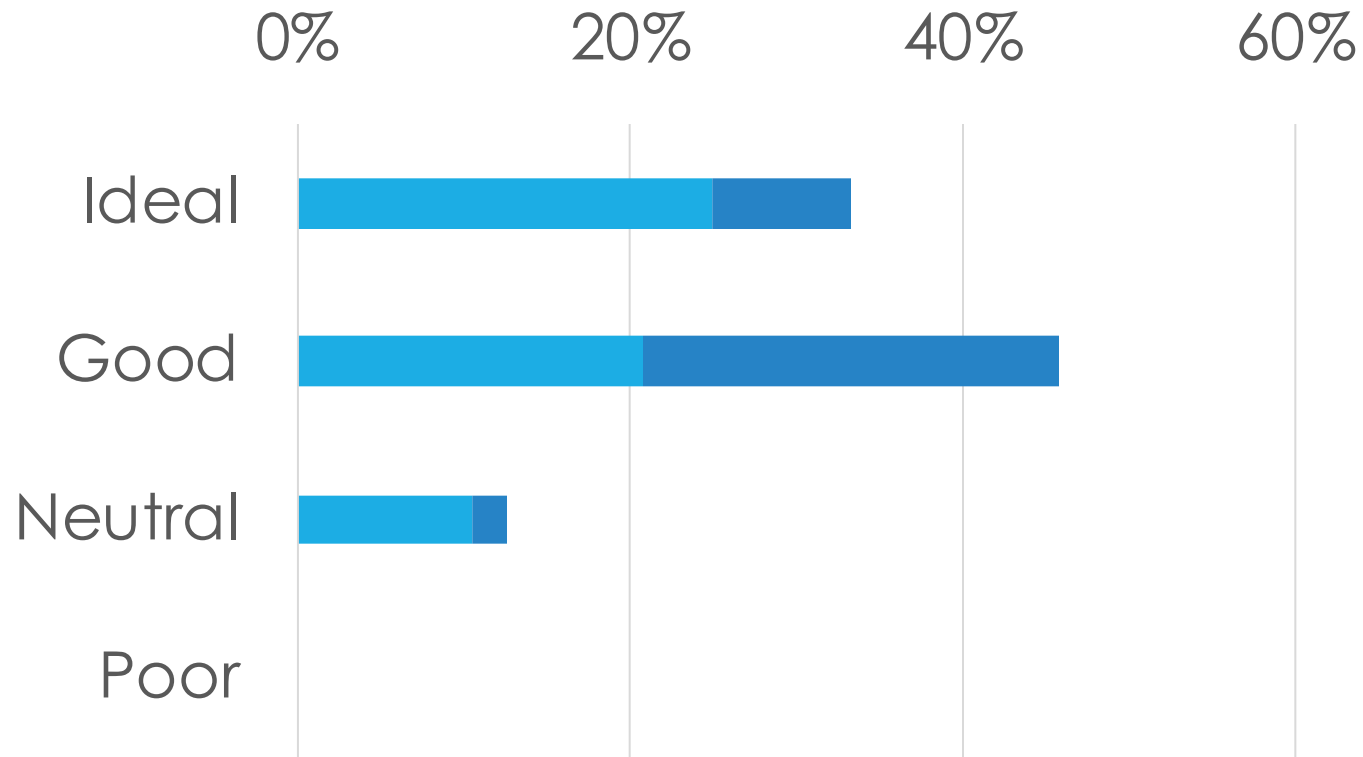
Areas with the Highest Student Interest



	Survey 1	Survey 2
Mentees	36	23
Mentors	35	25
Total	71	48
Full Pairs	31	19
Pairs (min. 1)	40	29
Individual Participation	86.60%	60.00%
Pair Participation	97.60%	72.50%

Survey Participation

Total of **42 Pairs** in Mentorship Program

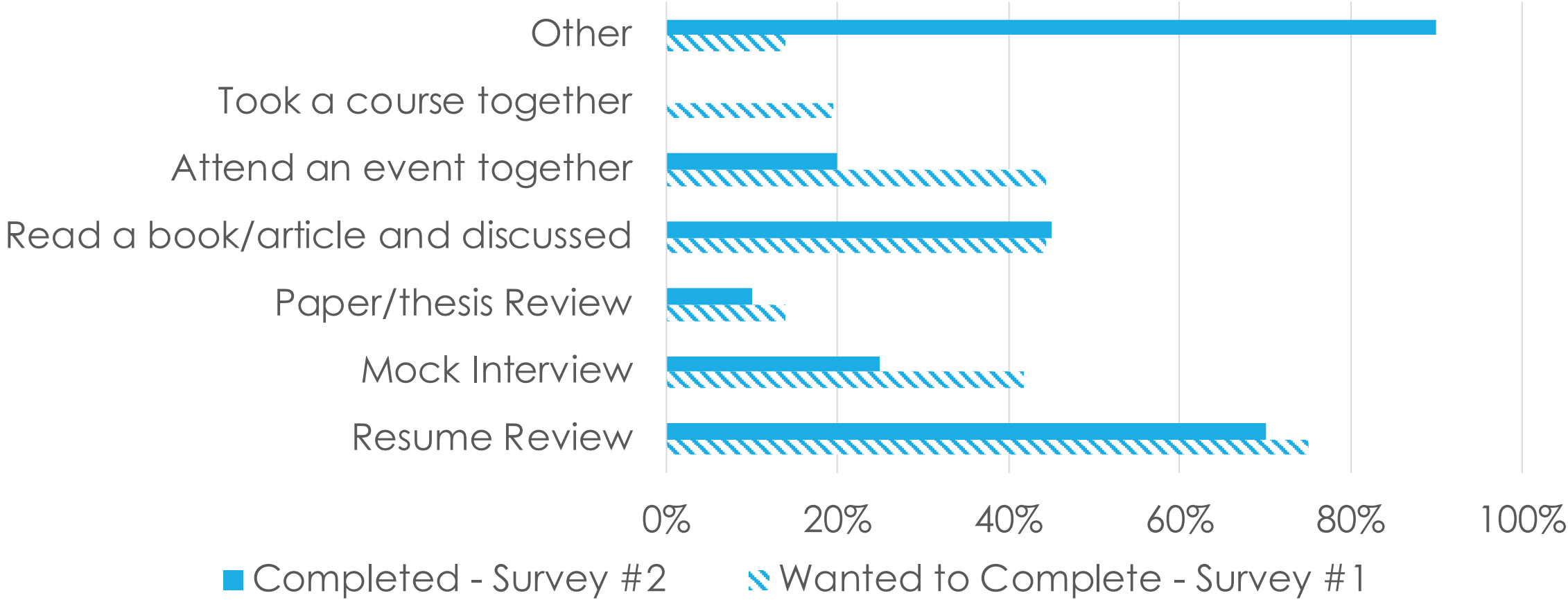


Compatibility with Partner

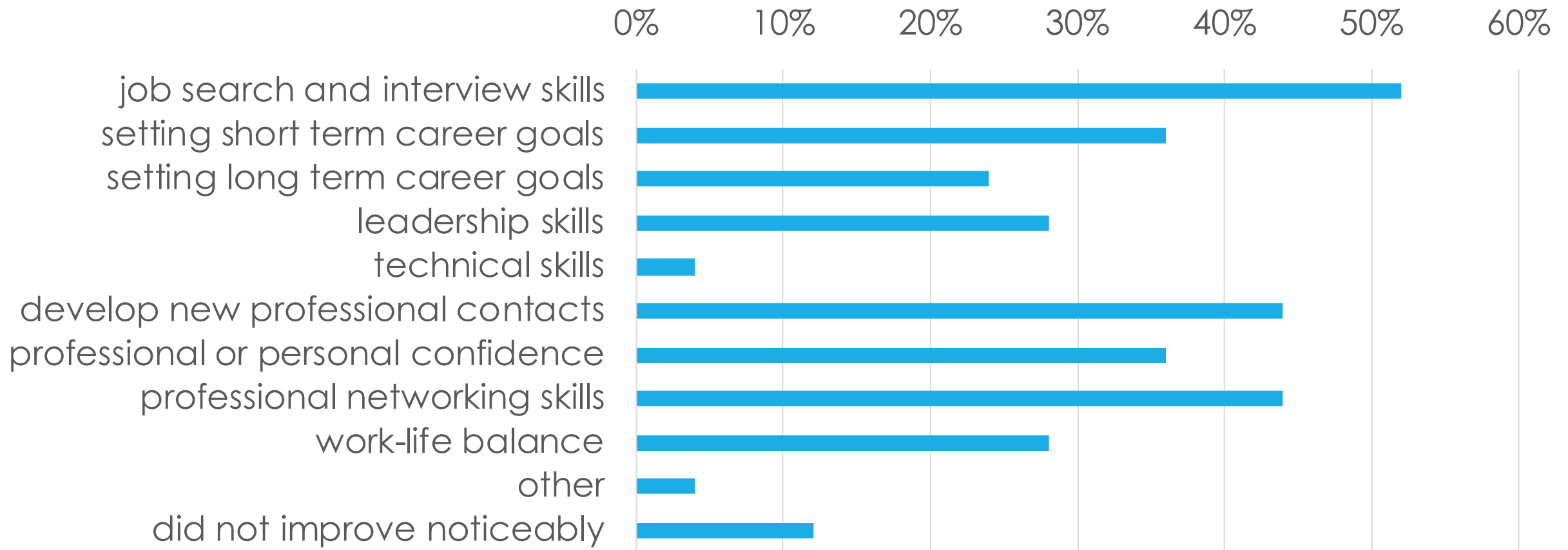
- Data not included for partners who never successfully made contact
- About 5% of partners never made contact or only made contact once

- My first impression was correct.
- We are more compatible than I initially thought.
- We are less compatible than I initially thought.

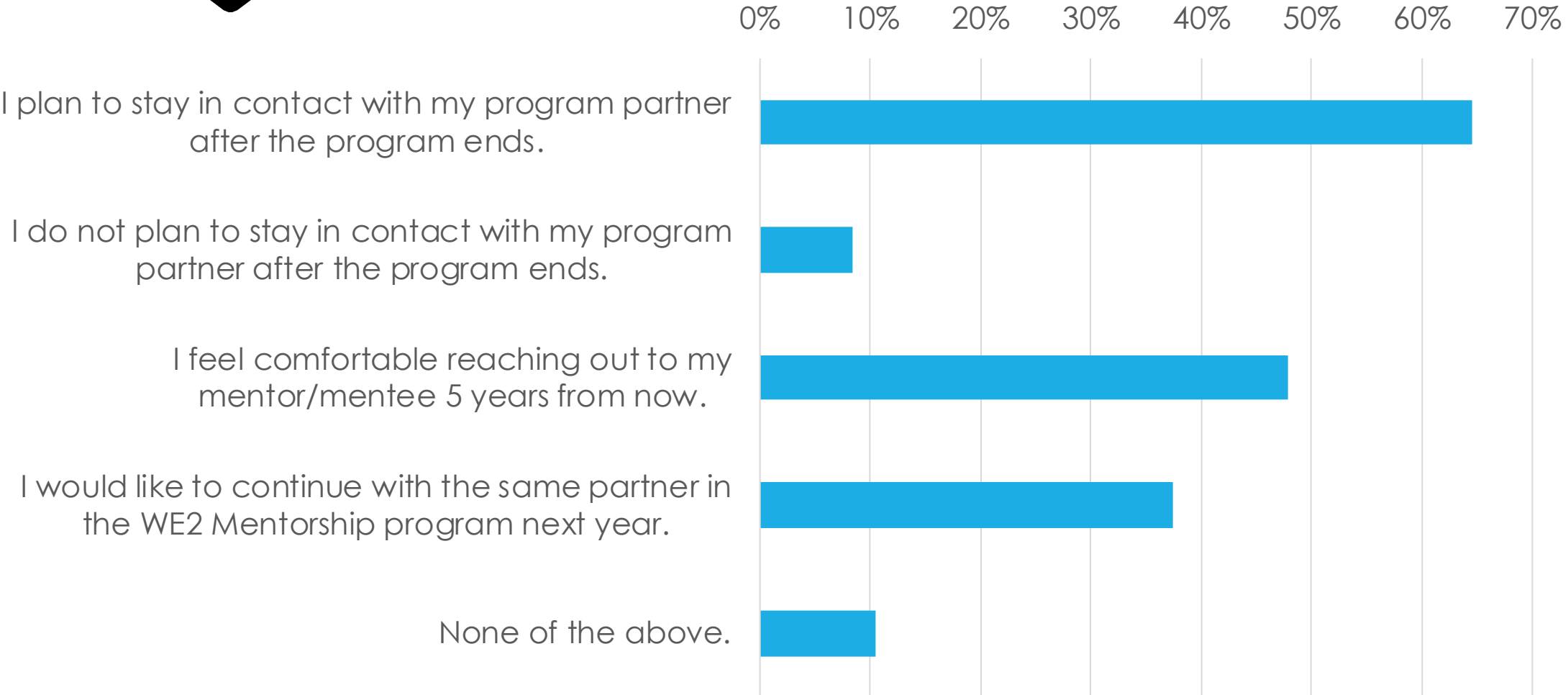
Skill Building Activities



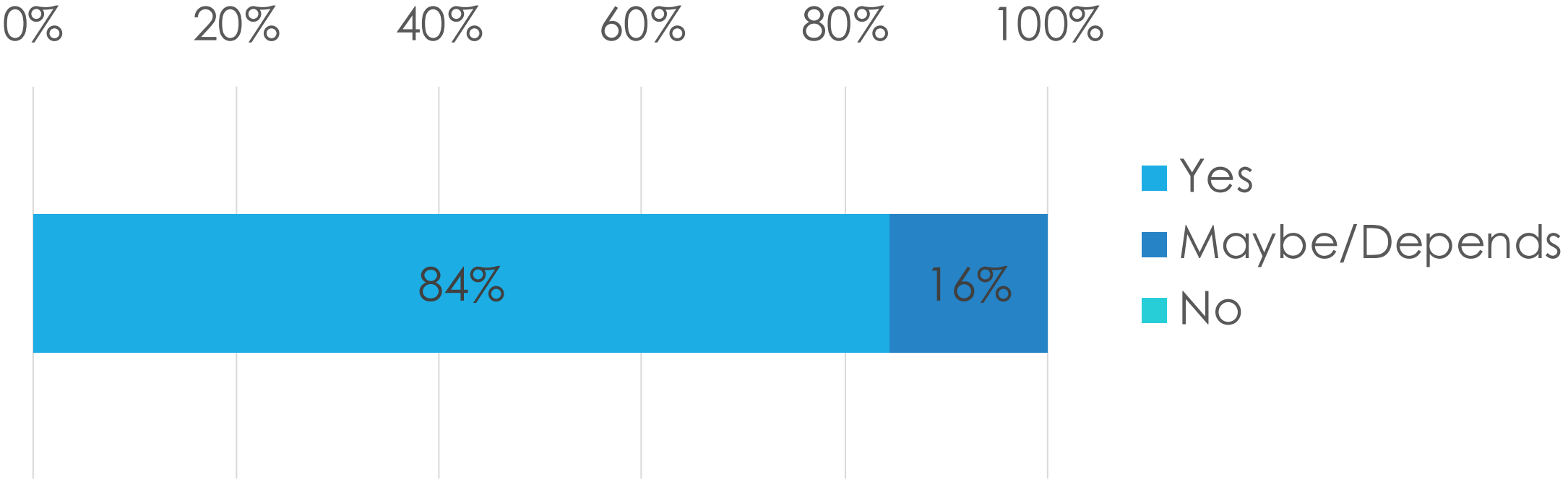
Areas of Improvement for Students in the Program



Future Contact



Would you Recommend this Program?

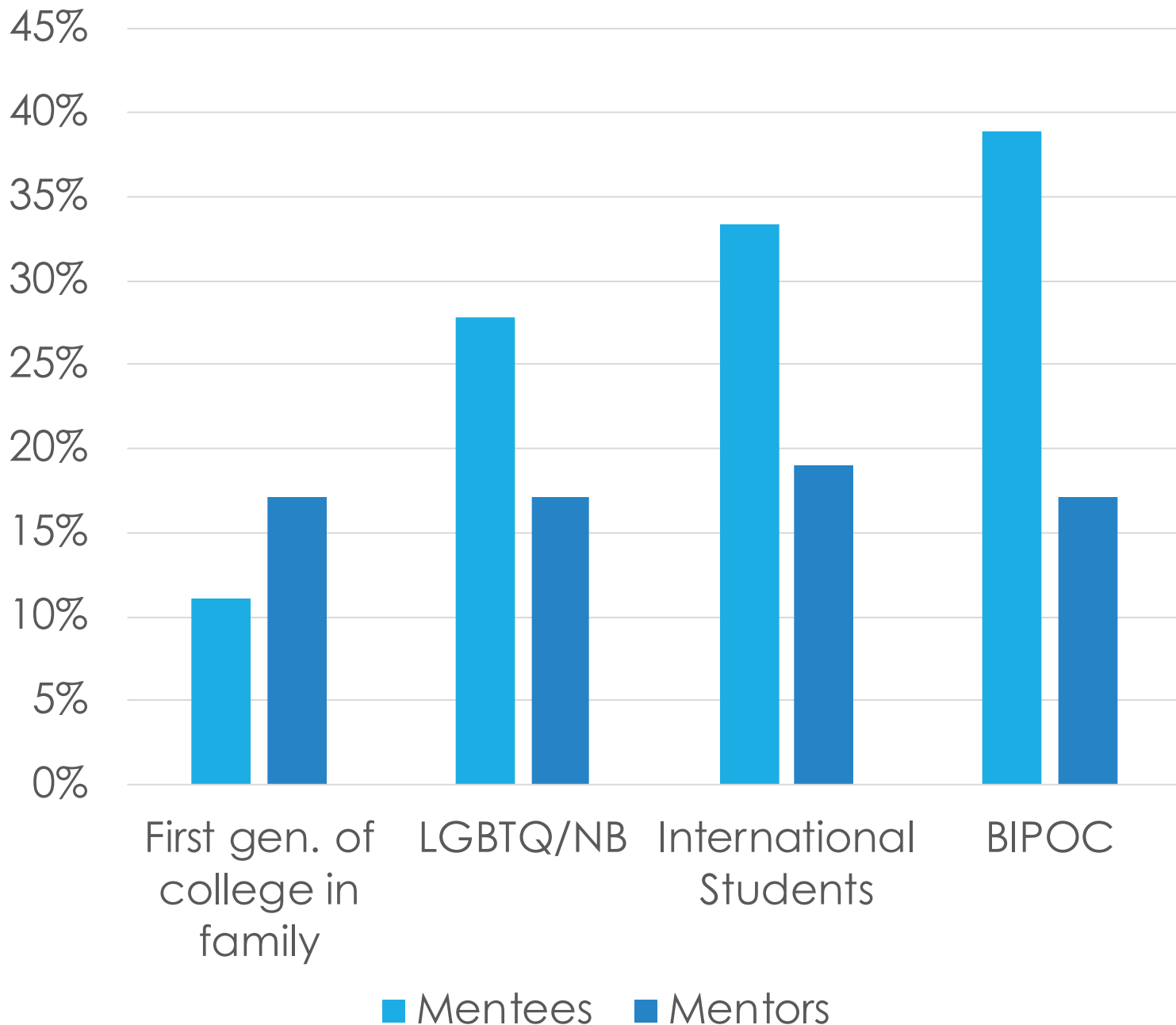


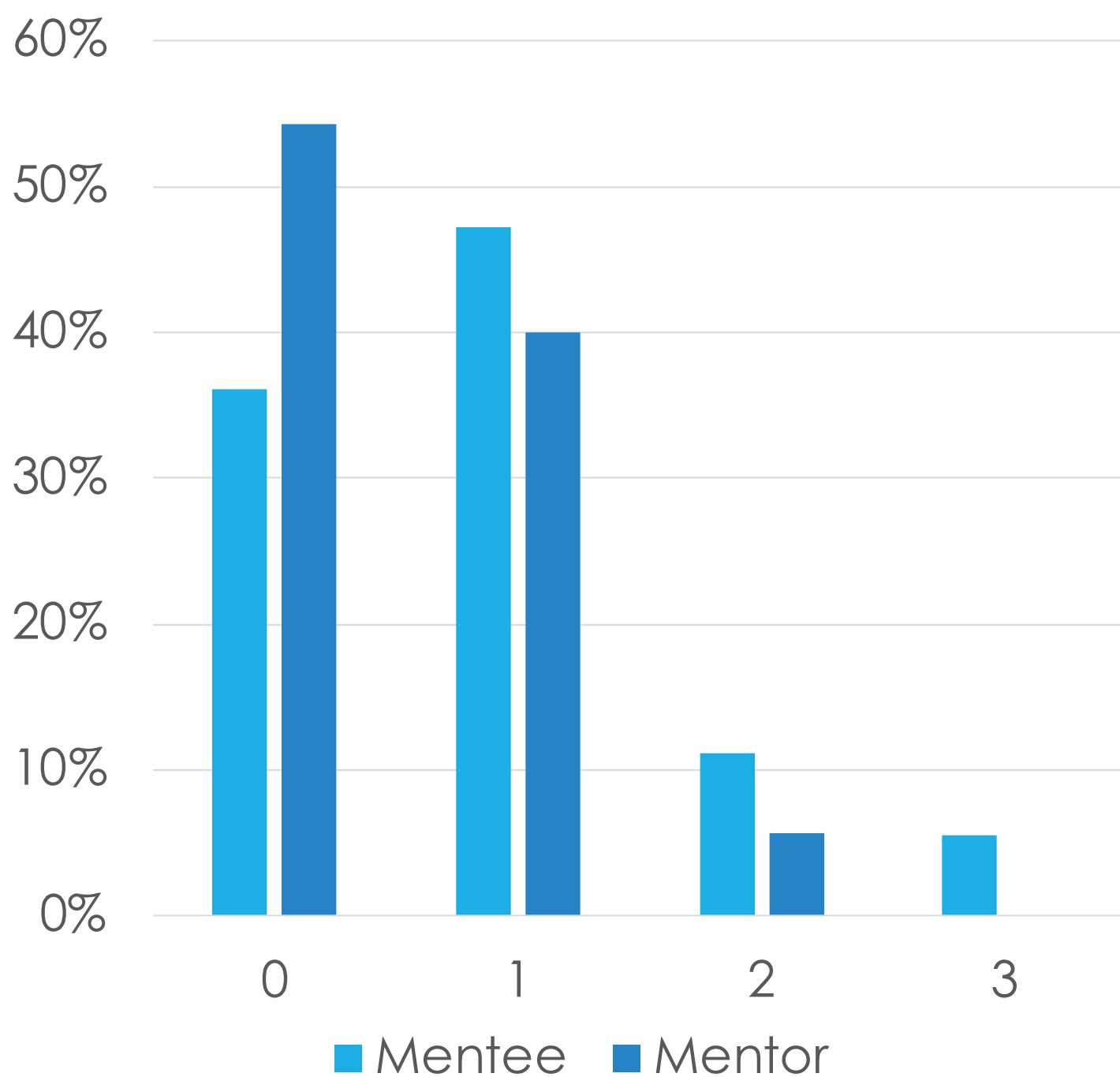


Surveys Demographics And Intersectionality of Identities

Mentorship Program Minority Identities

- 50% of international Students are BIPOC, even though International Students only make up 26% of
- 25% of participants between year 1 and year 2 identify as LGBTQ+
- Data based off Surveys 1 and Registration





Intersectionality of Participants



Intersectional Identities Year 1 and Year 2

- International Students are 3.75 times as likely to be BIPOC
- Year 1 Participants were 2 times as likely to be BIPOC (likely due to COVID impact on enrollment)

