

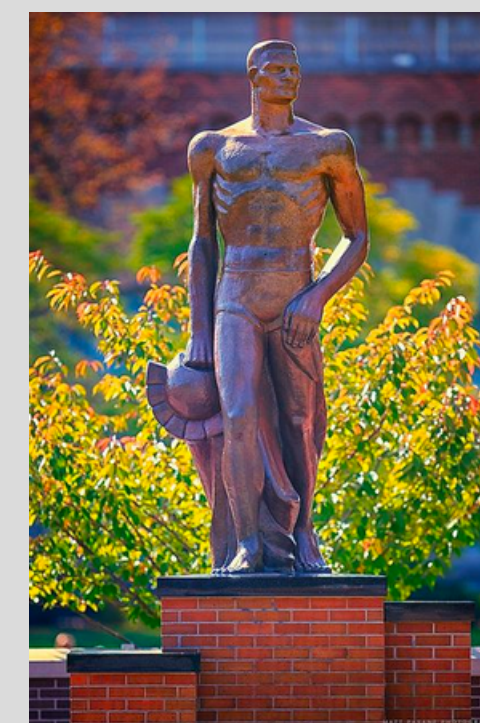
A DATA SNAPSHOT OF

ACS APPROVED INSTITUTIONS

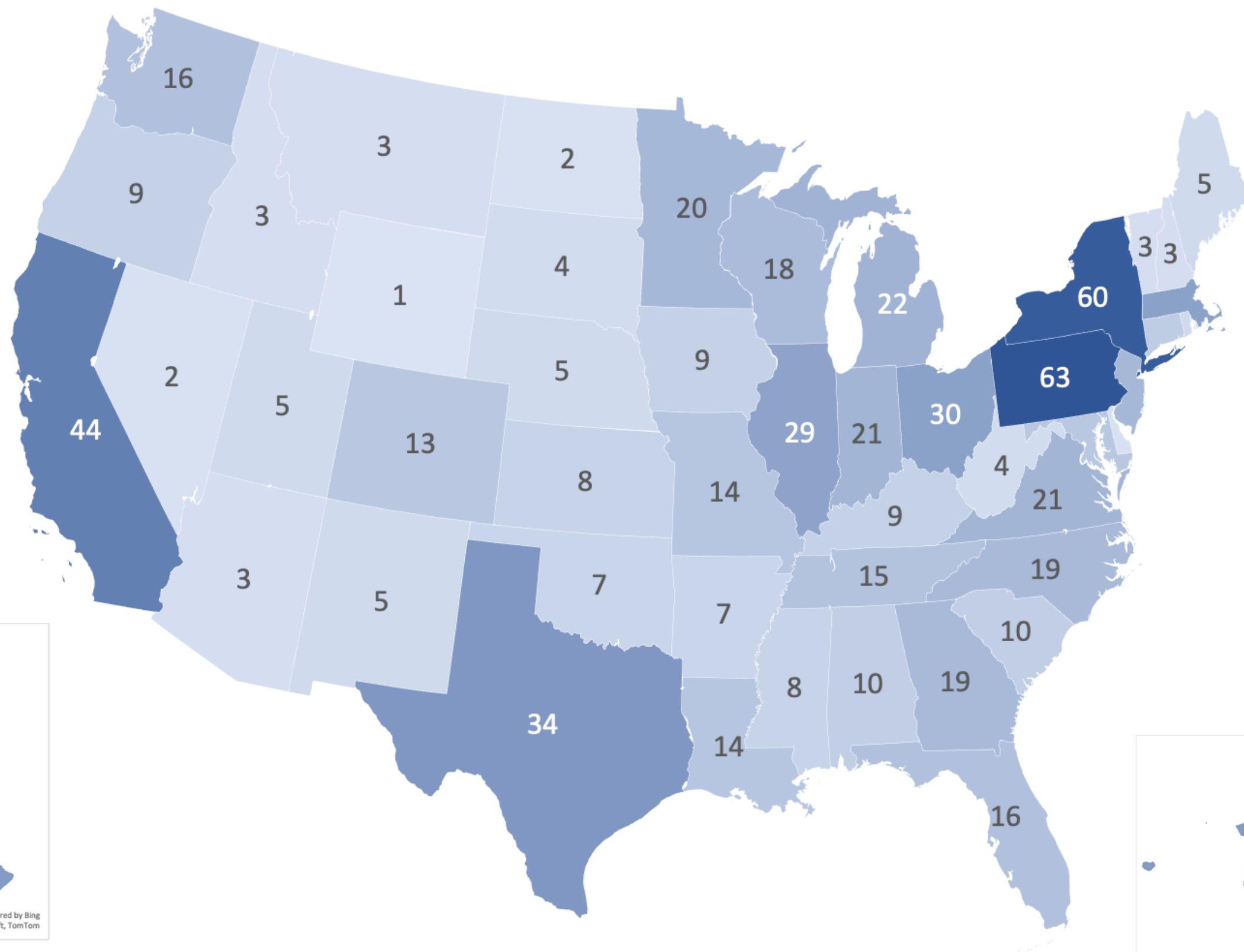
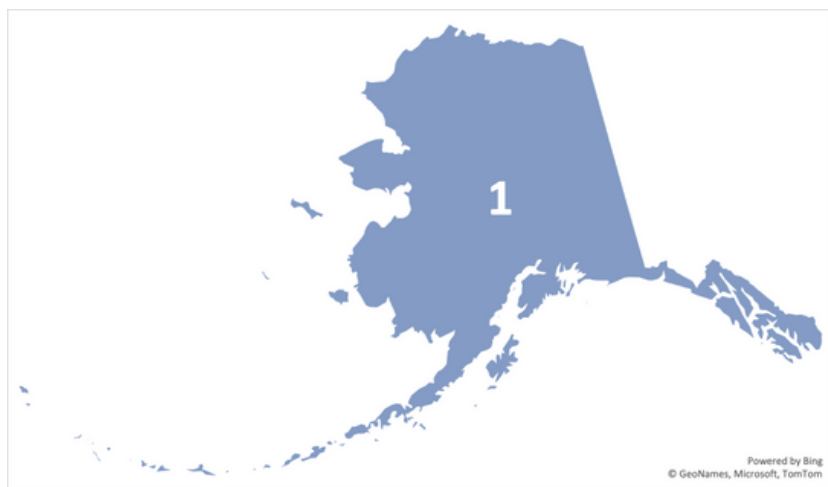
ACS APPROVAL PROGRAM



- Currently 699 programs are ACS Approved
- Approved programs submit two types of forms
 - Annual Reports
 - Periodic Reports
- Committee on Professional Training Surveys
- Self-reported data
- Aggregate data

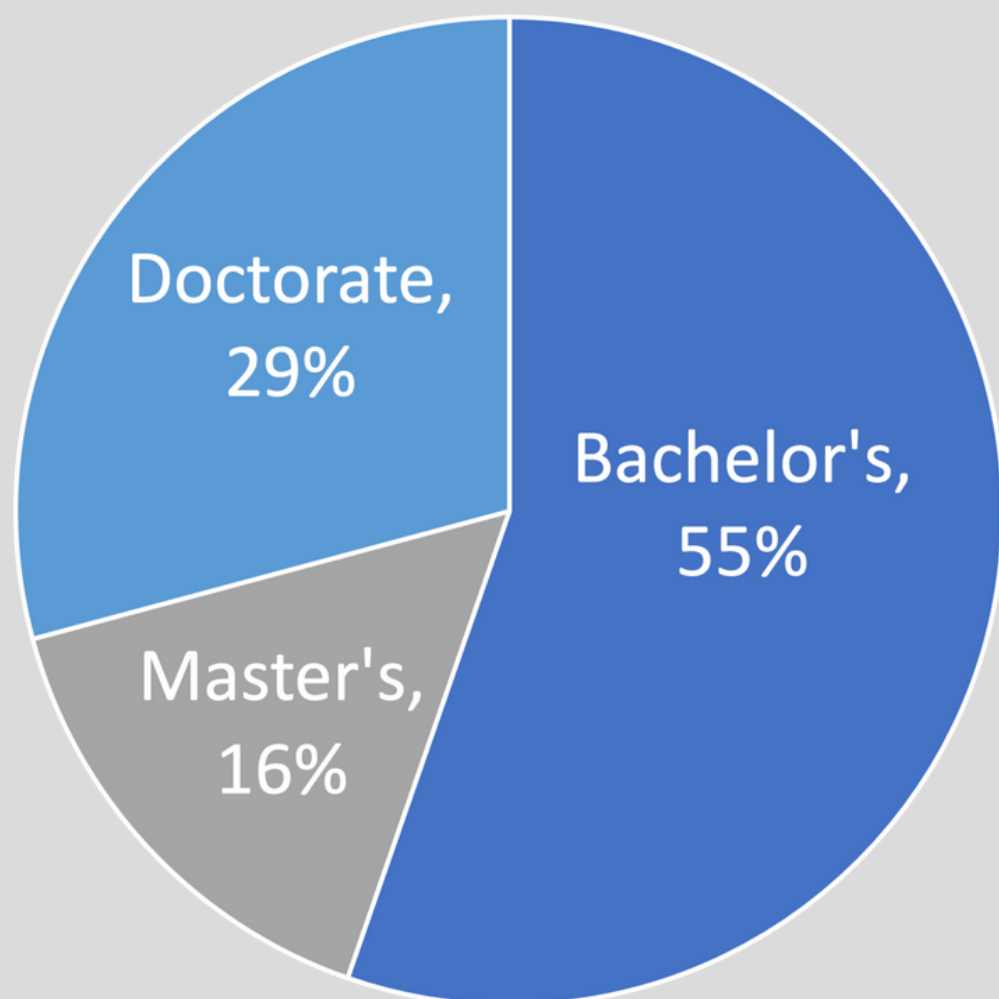


APPROVED PROGRAMS

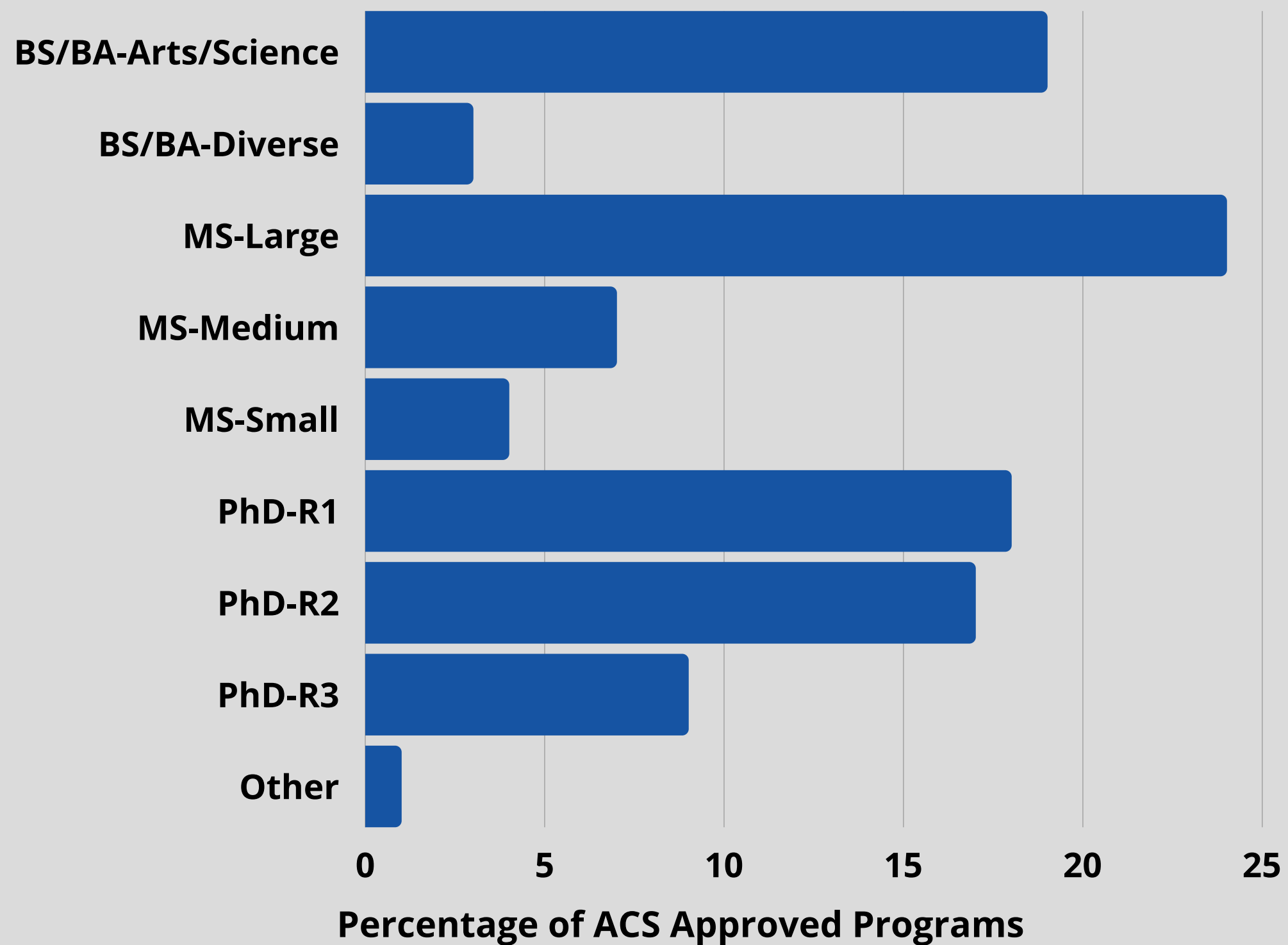


APPROVED PROGRAMS

Highest Chemistry Degree Conferred



Carnegie Classifications



GENDER DATA - 2020-21

BACHELOR'S DEGREE

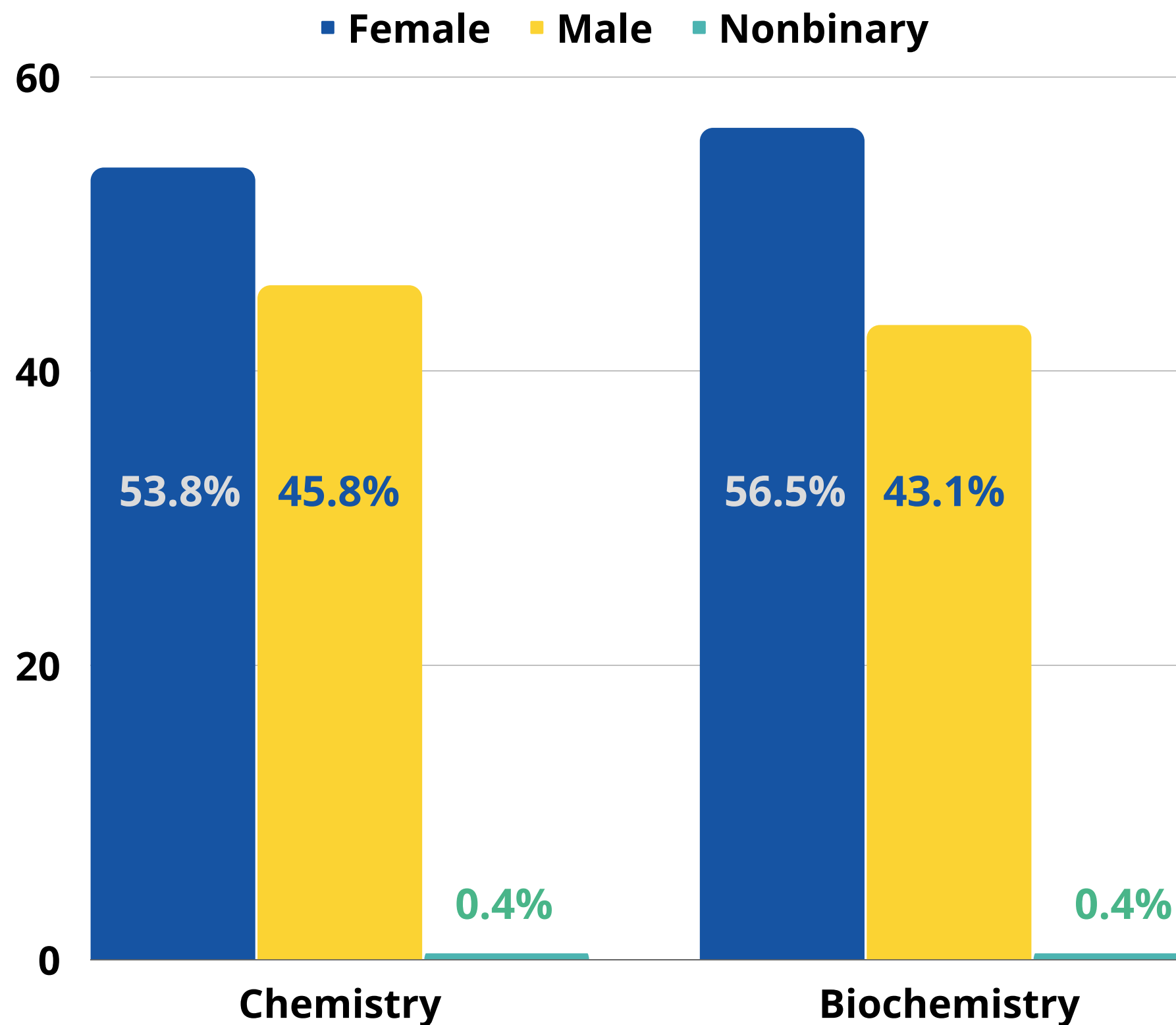
RECIPIENTS



Data from >600 annual reports from ACS Approved Programs

National Data*
(nonbinary data not collected)

- Chemistry
 - Female: 53%
 - Male: 47%
- Biochemistry
 - Female: 54%
 - Male: 46%



*SOURCE: National Center for Science and Engineering Statistics, Graduate Students and Postdoctorates in Science and Engineering Survey.

GENDER DATA - 2020-21

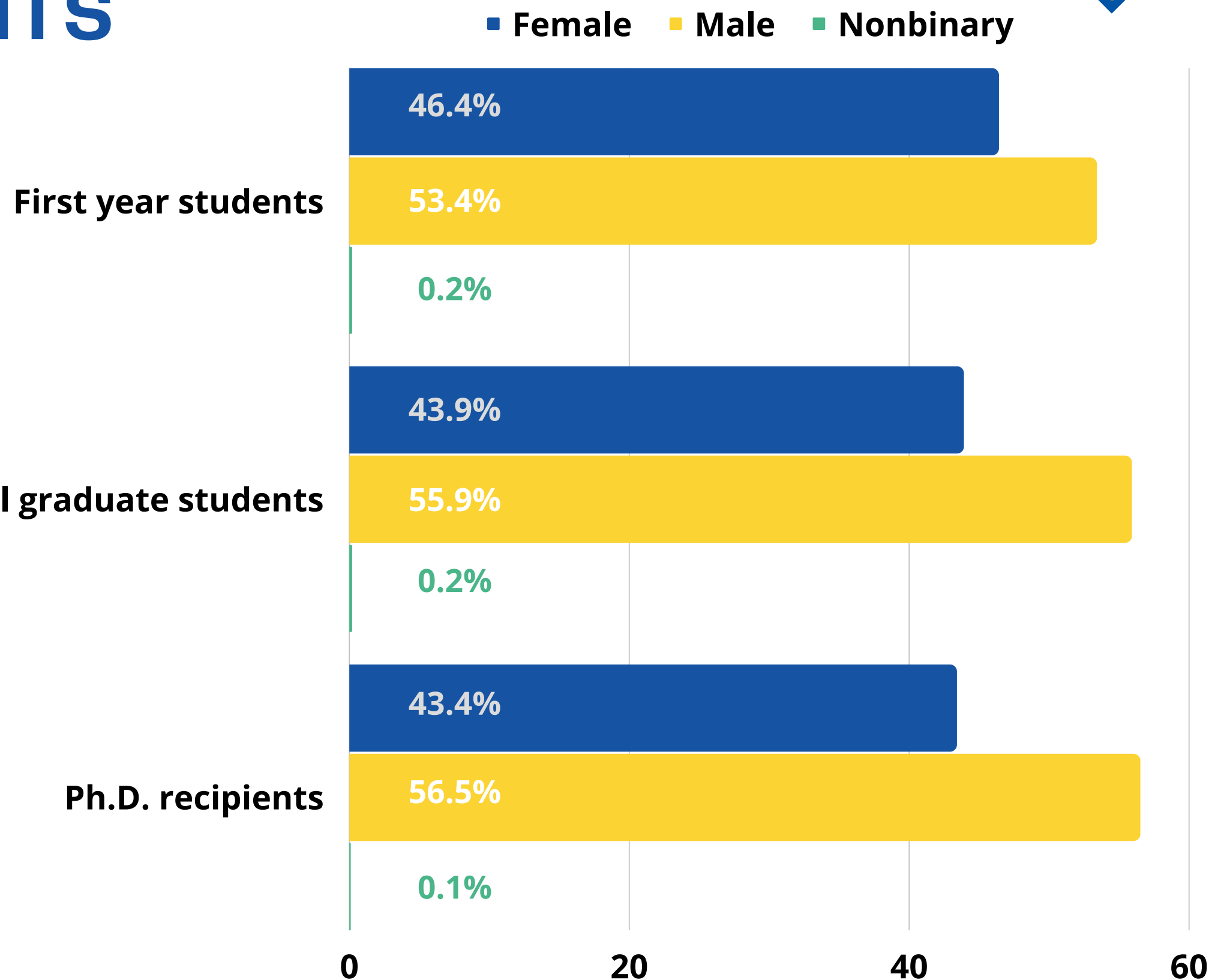
GRADUATE STUDENTS

Data from 261
graduate programs

Snap shot of cohorts

National Data*
(nonbinary data not collected)

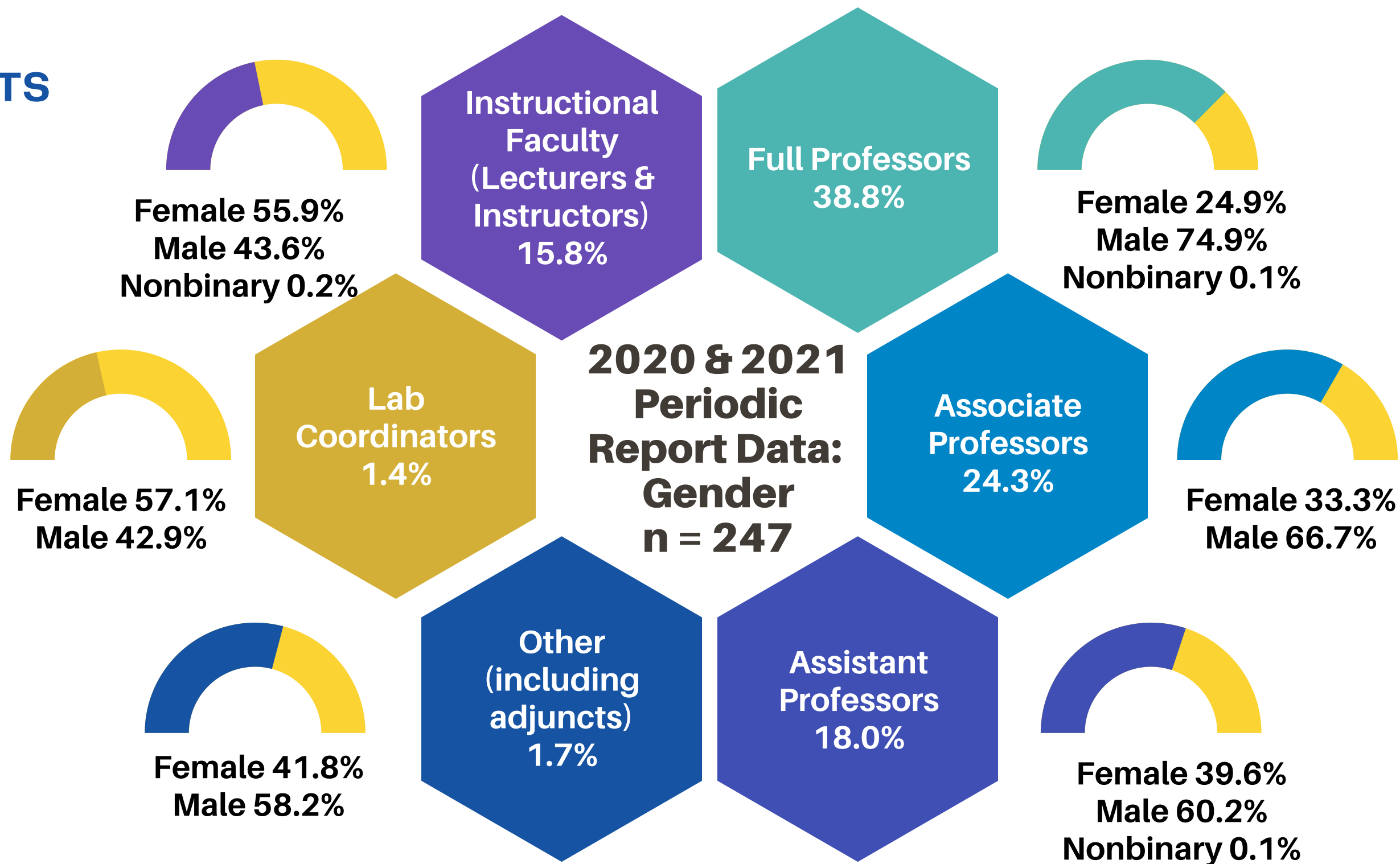
- Female - 40%
- Male - 60%



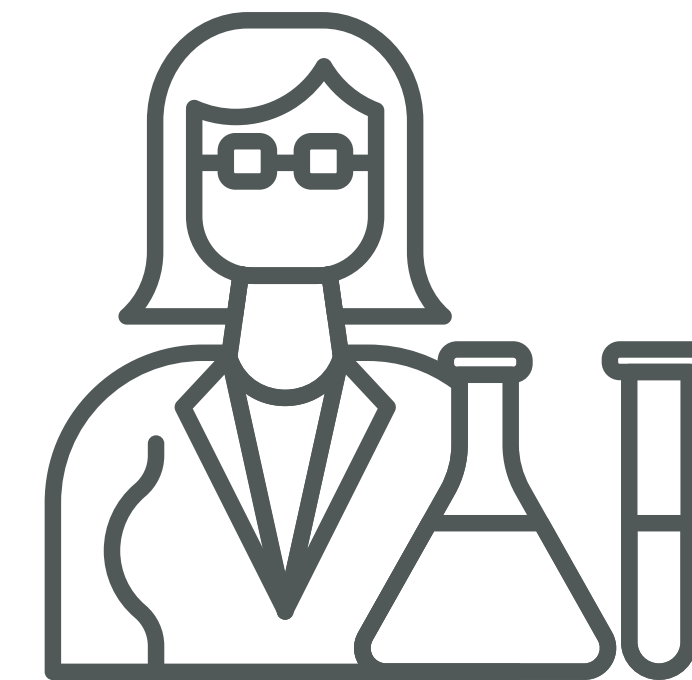
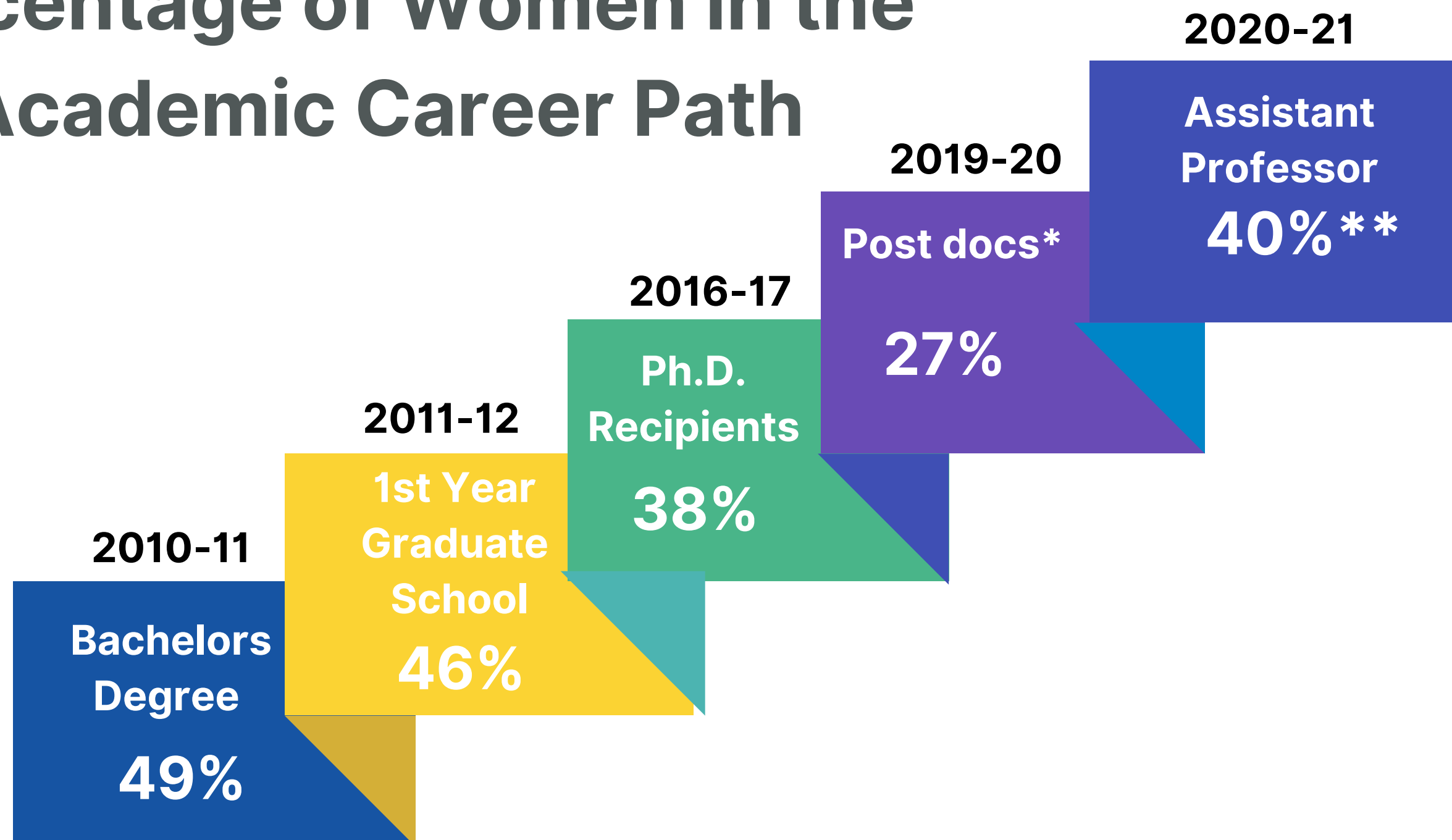
GENDER DATA - 2019-20 & 2020-21

FACULTY

FROM PERIODIC REPORTS



Percentage of Women in the Academic Career Path



*Post doc data source: SOURCE: National Center for Science and Engineering Statistics, Graduate Students and Postdoctorates in Science and Engineering Survey.

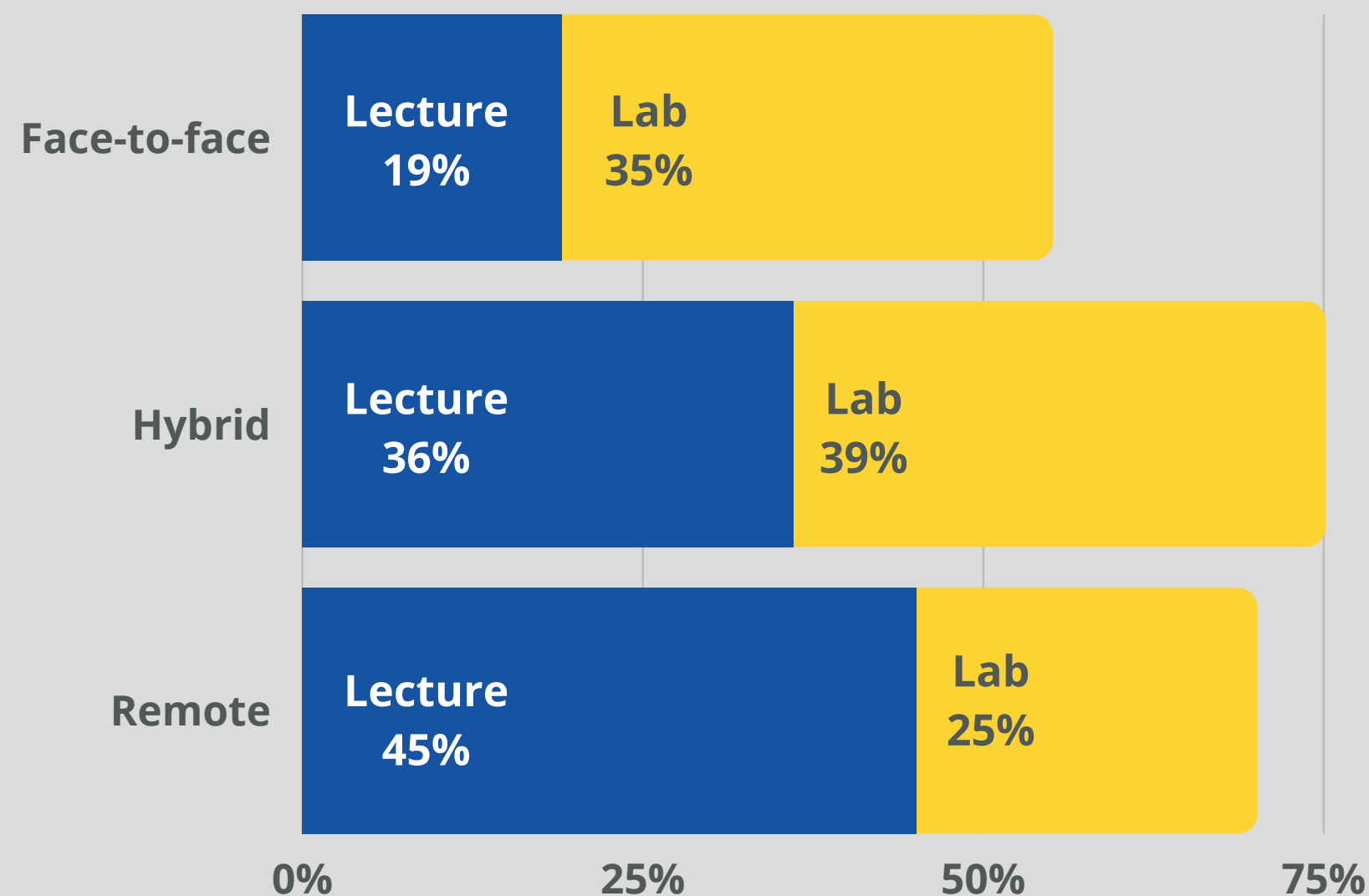
**Data from 257 approved programs and includes all assistant professors, not just first year faculty

CONTENT DELIVERY 2020-21 AY



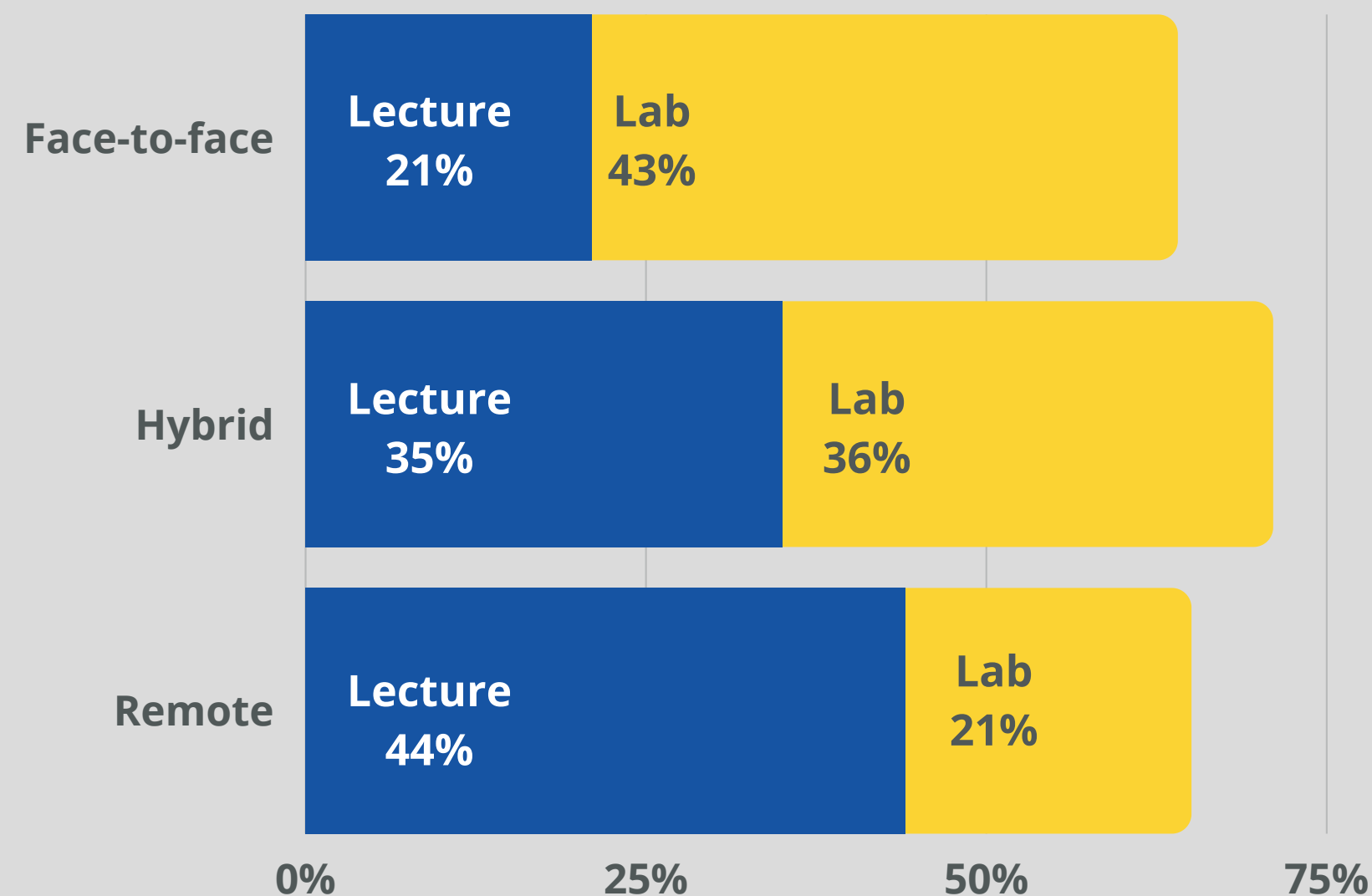
GENERAL CHEMISTRY

LECTURE & LAB - CONTENT DELIVERY



ORGANIC CHEMISTRY

LECTURE & LAB - CONTENT DELIVERY

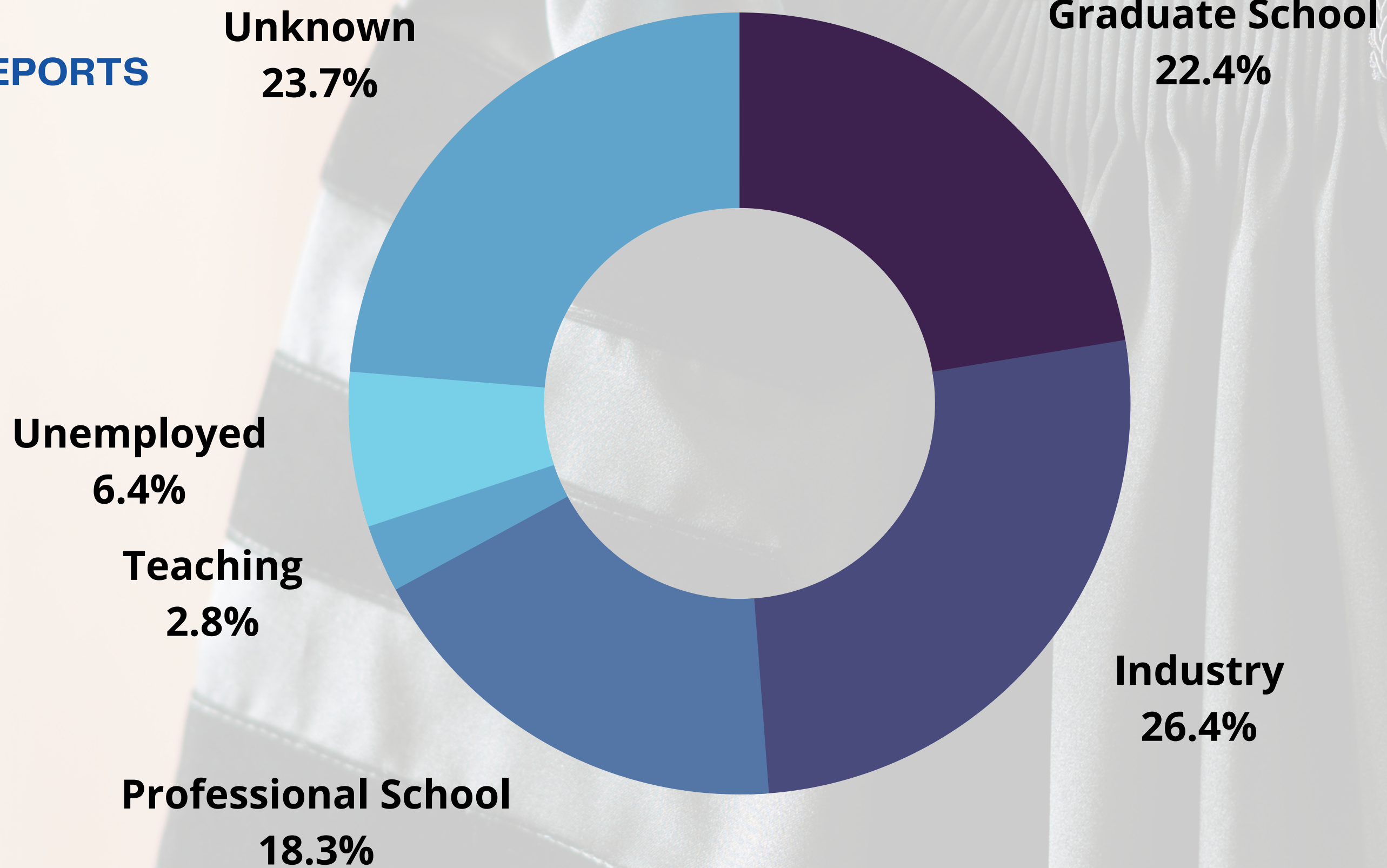


Data collected from 2021 annual reports (N = 650)

BACHEOR'S DEGREE PLACEMENTS

2020-21

FROM PERIODIC REPORTS



DOCTORATE: DEGREE PLACEMENTS

2019-20

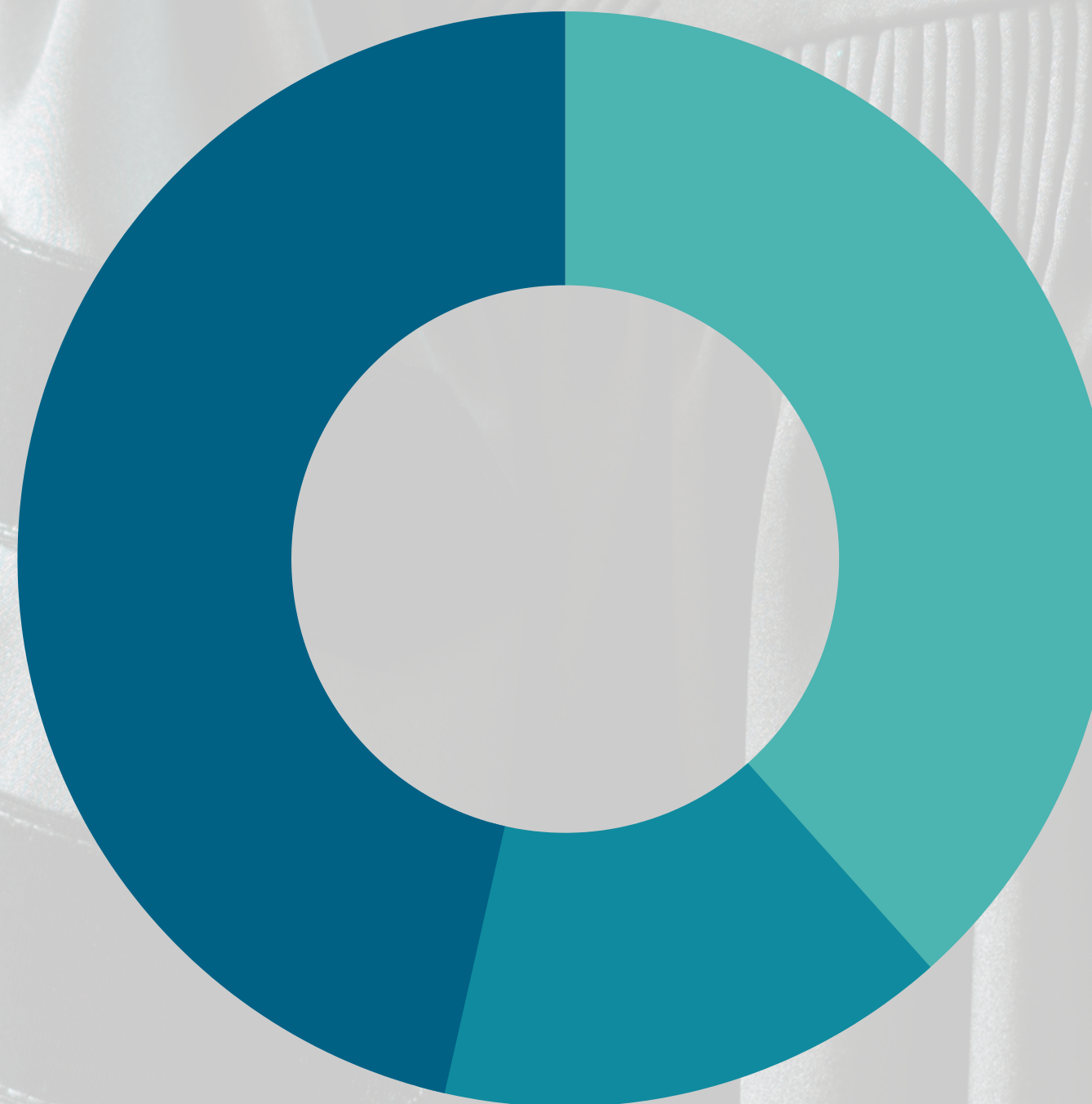
FROM GRADUATE PROGRAM SURVEY

FIVE YEARS OF PLACEMENTS

95 PROGRAM RESPONSES

28 PROGRAMS HAD NO DATA

All Postdocs
46.5%



All Industry
38.4%

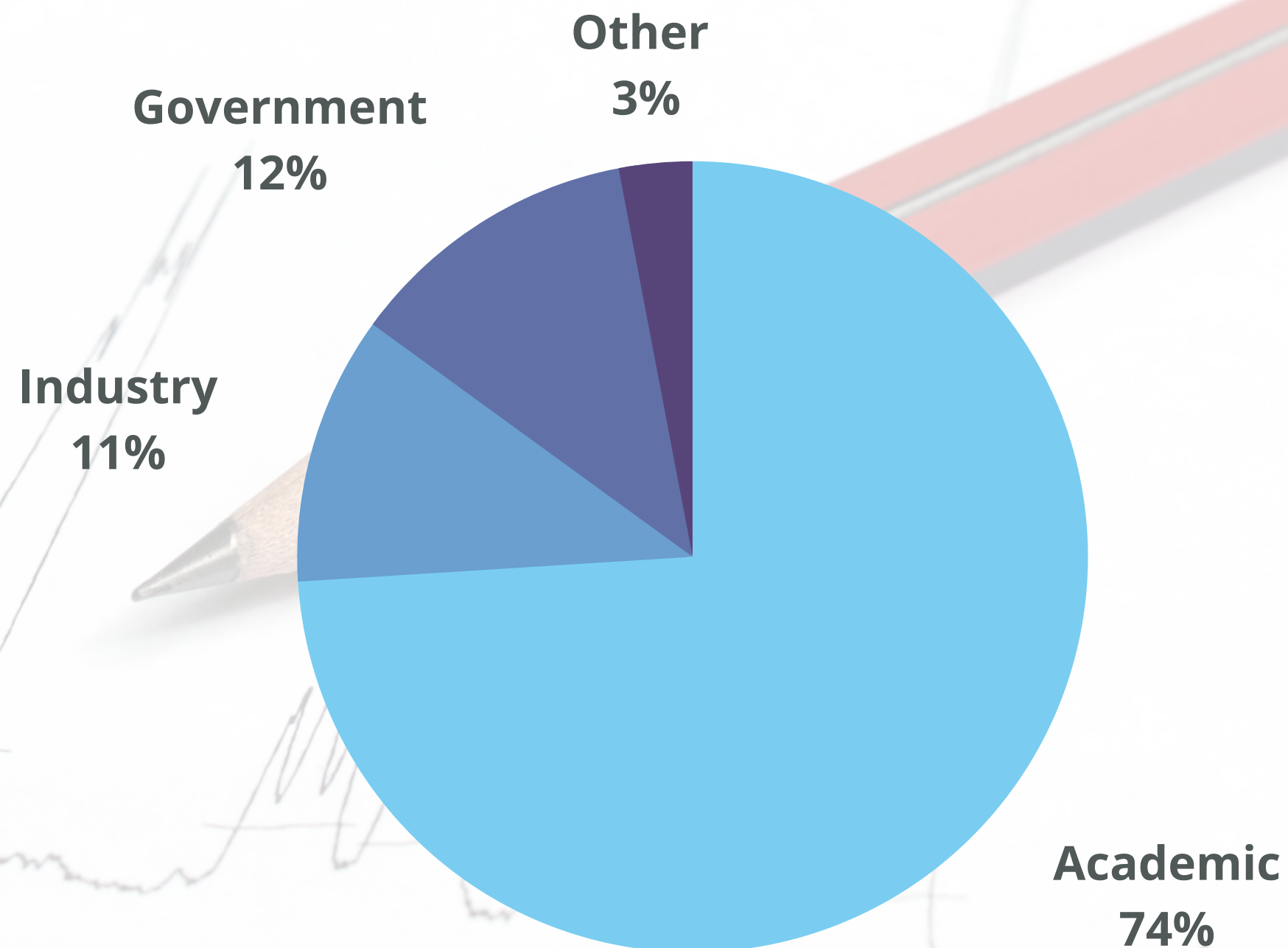
Academics (non-postdoc)
15.2%

POSTDOC PLACEMENTS (46.5%)

2019-20

FROM GRADUATE PROGRAM SURVEY

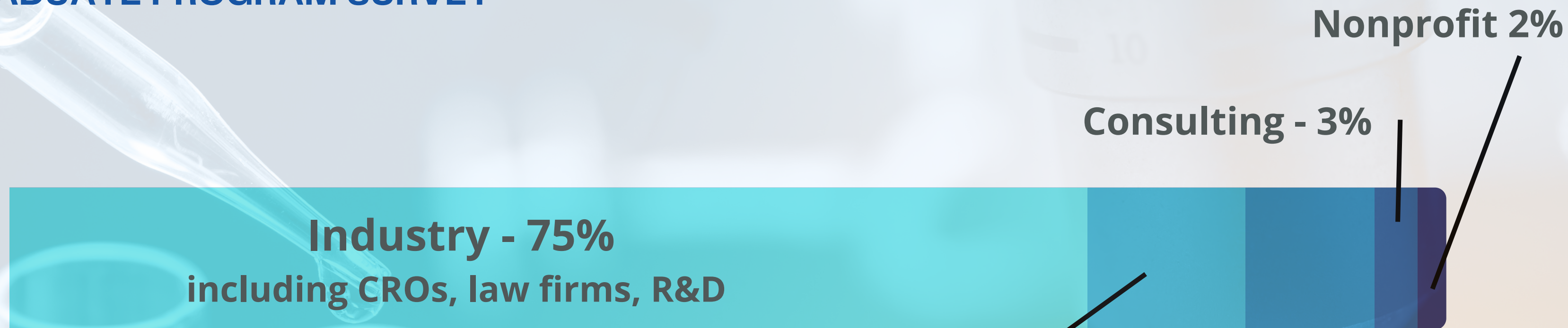
The largest number of graduate student placements in academia are in faculty positions at primarily undergraduate institutions, followed by instructional faculty positions at research institutions.



INDUSTRY PLACEMENTS (38.4%)

2019-20

FROM GRADUATE PROGRAM SURVEY



Industry - 75%
including CROs, law firms, R&D

The largest number of students find employment in traditional industrial companies

Other - 11%
Includes:
Business School
Family Business
Lab Admin
Healthcare

Government - 9%

Consulting - 3%

Nonprofit 2%

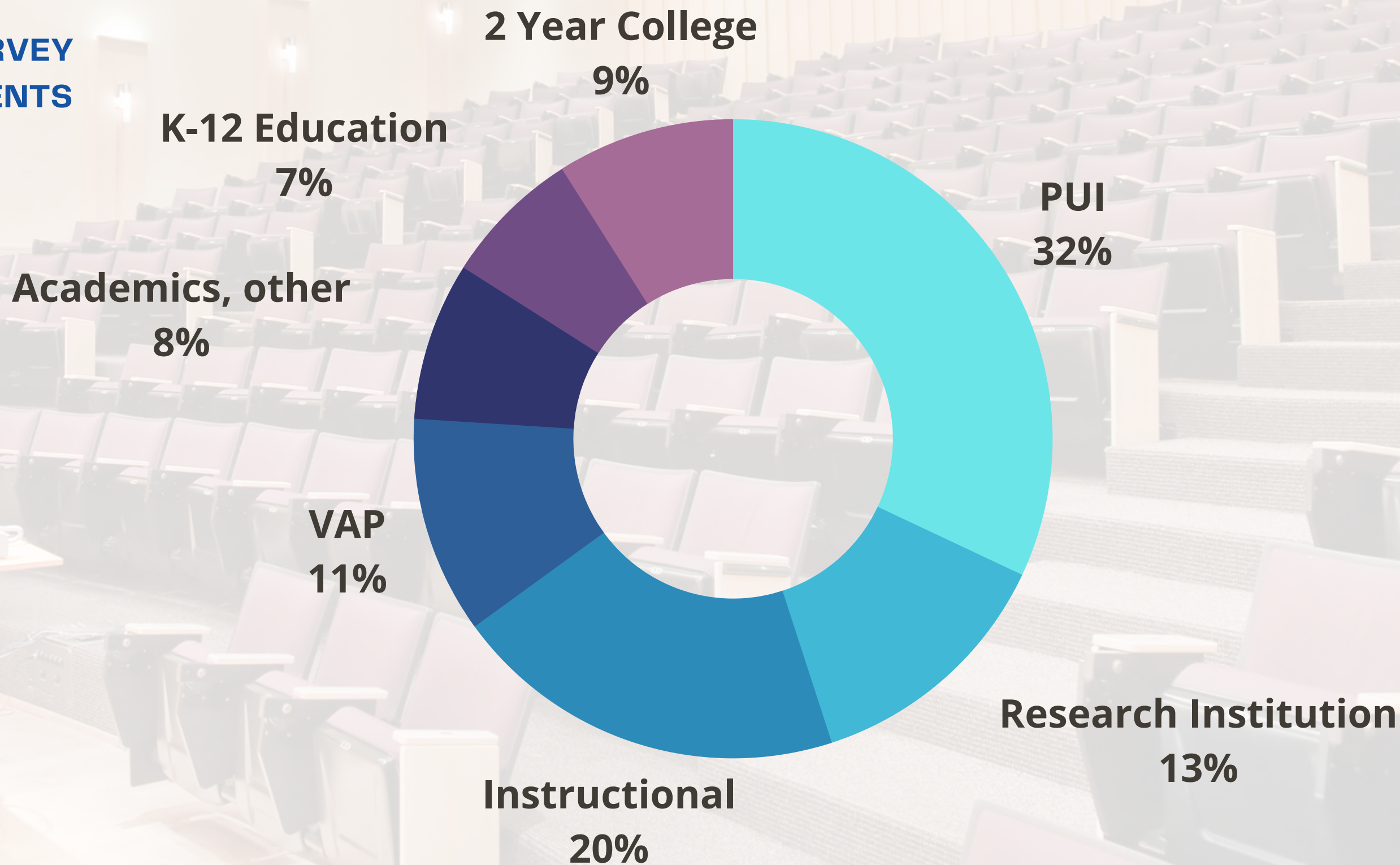
ACADEMIC PLACEMENTS (15.2%)

2019-20

FROM GRADUATE PROGRAM SURVEY
INCLUDES 5 YEARS OF PLACEMENTS

Other includes

- Tutoring
- Adjuncts
- NMR technician
- Research staff
- Safety officer
- Technical staff



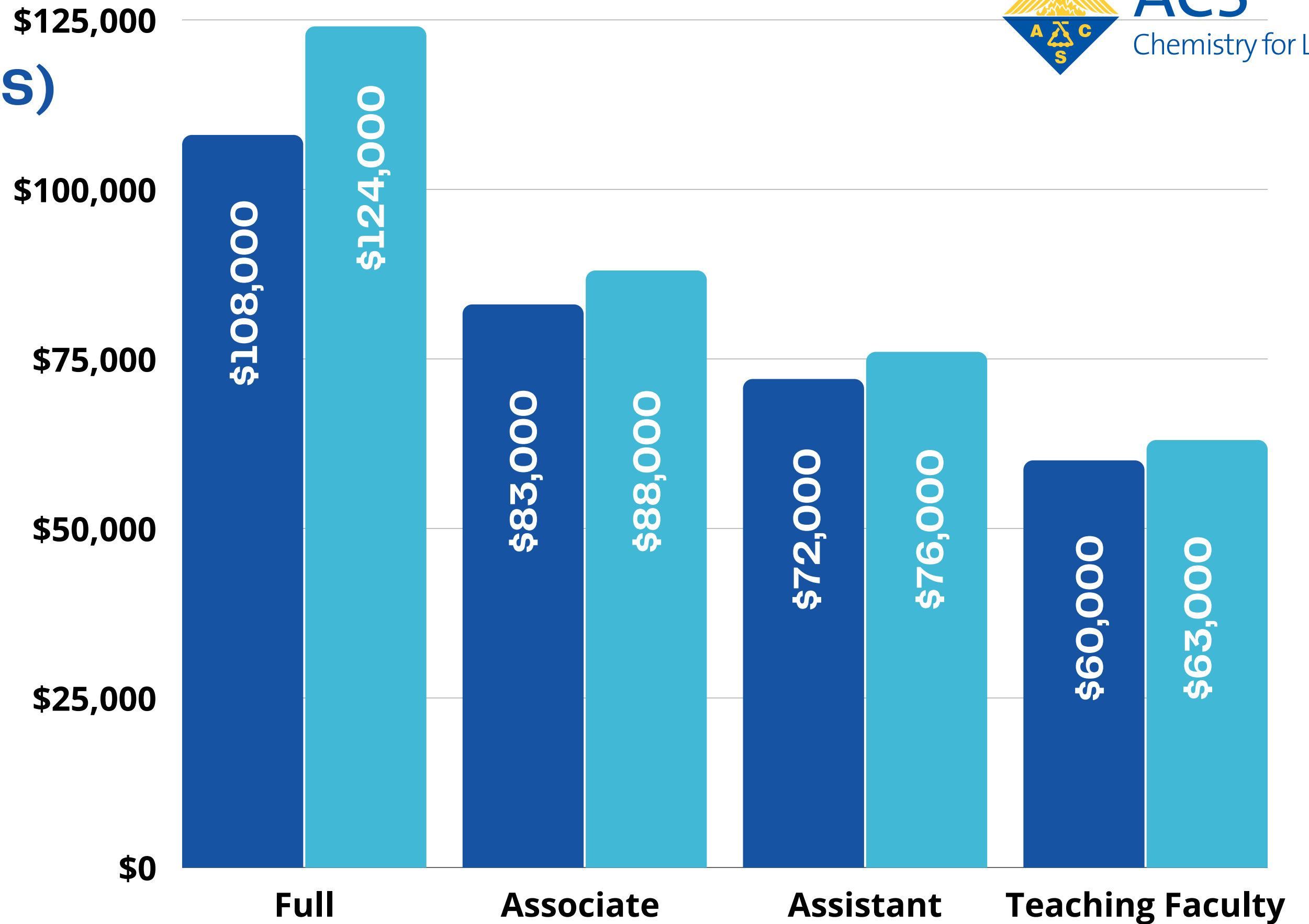
FACULTY SALARIES (9-MONTH, AVERAGES)

■ ACS data ■ National data



ACS data from 2020
& 2021 periodic
reports (n = 247)

National data
includes all fields, not
just chemistry

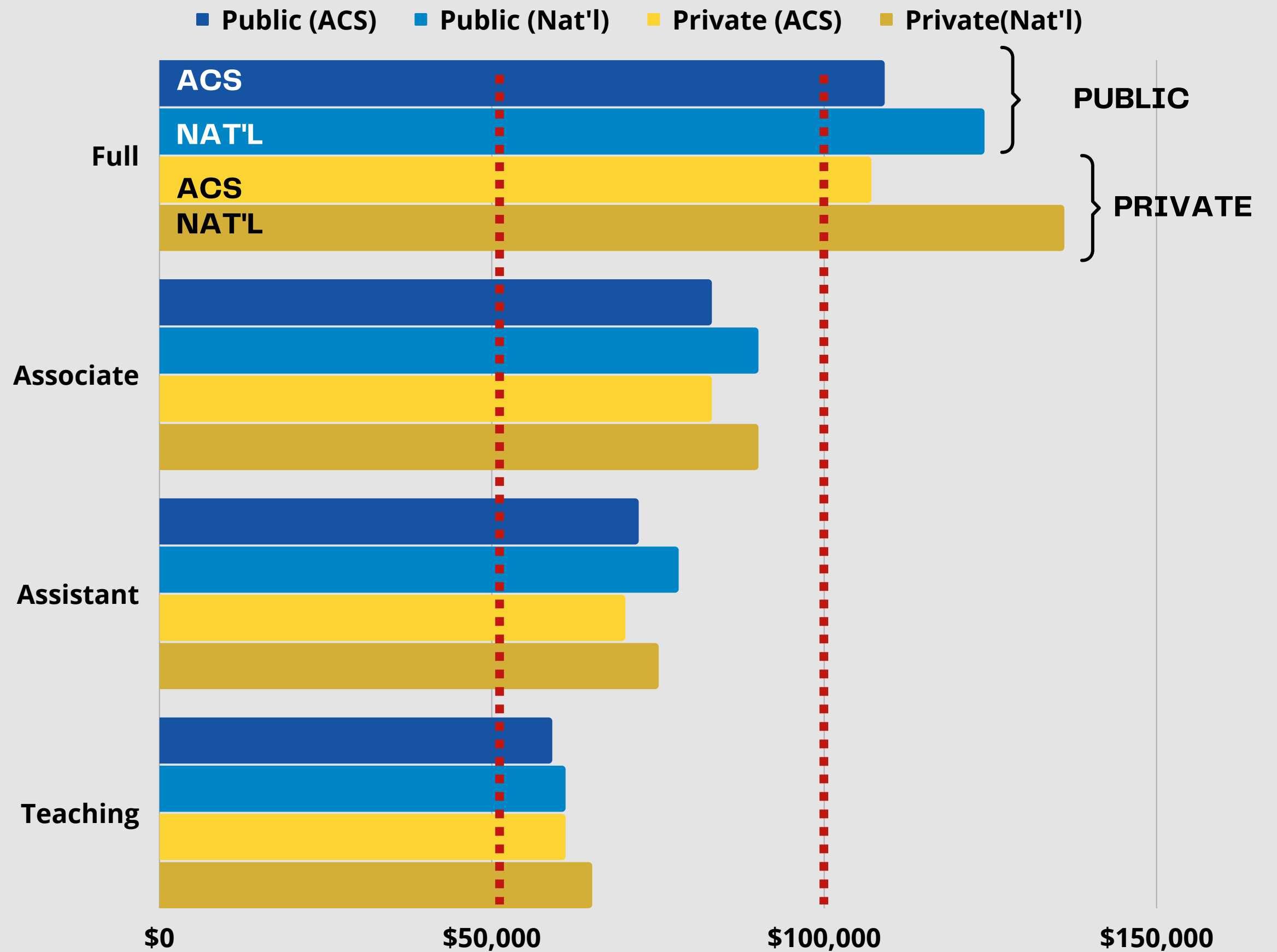


FACULTY SALARIES

PUBLIC VS. PRIVATE

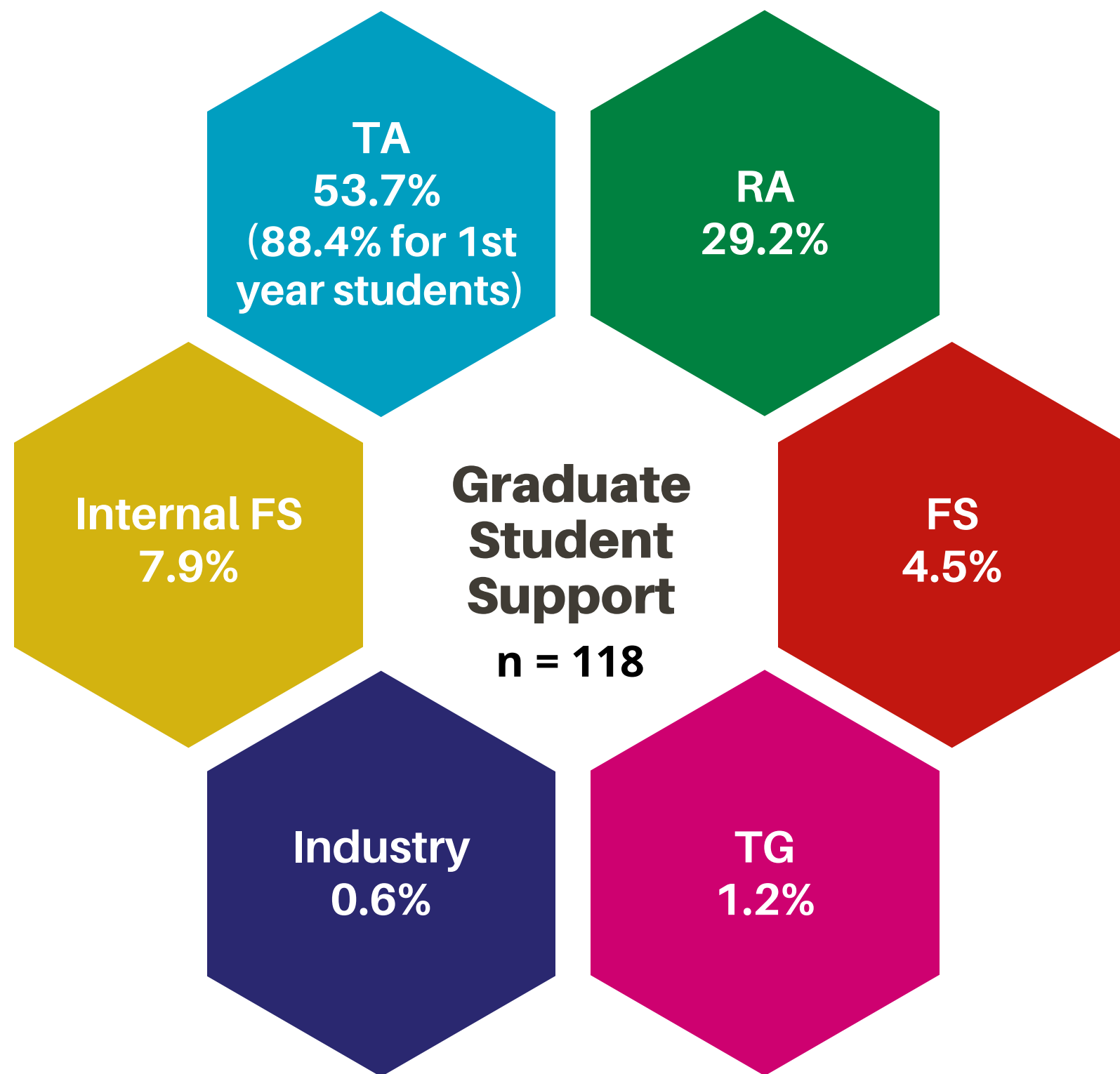
ACS data from 2020
& 2021 periodic
reports (n = 247)

National data
includes all fields, not
just chemistry



GRADUATE STUDENT SUPPORT

2019-2020 GRADUATE PROGRAM SURVEY



- **TA** – Teaching Assistantship
- **RA** – Research Assistantship
- **FS** – Fellowship
- **TG** – Training Grant
- **Ind** – Industry funded fellowships, grants, or tuition remission programs
- **Internal FS** – Internally funded fellowships

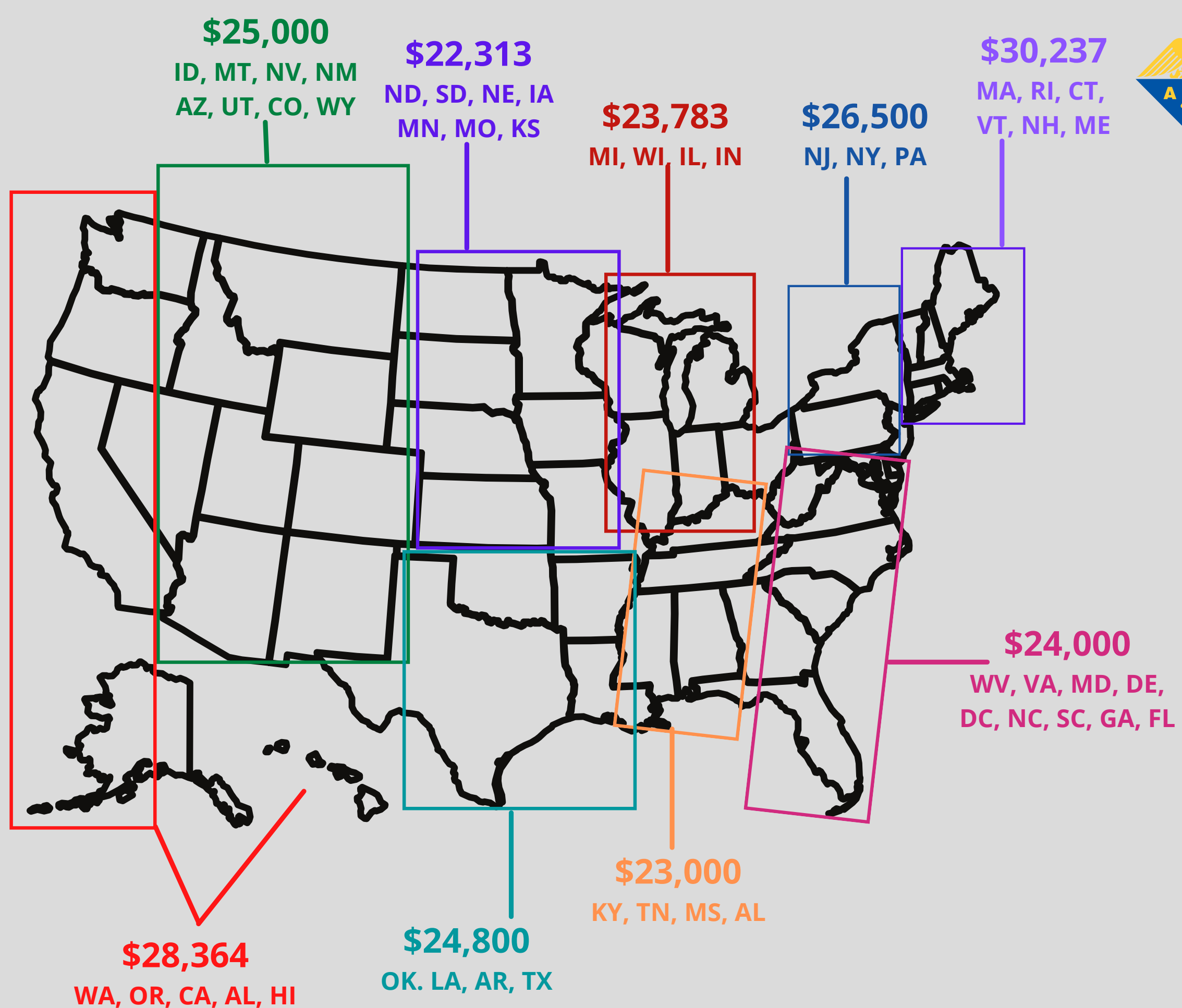
Other Sources of Funding

- Corporate
- External Fellowship
- Fullbright
- HHMI
- International Support
- Military
- Project Assistantship
- Graduate Assistantship (Administrative)
- Self Support

GRADUATE STUDENT STIPENDS

2019-2020 GRADUATE PROGRAM SURVEY

Average TA stipend
\$25,000



ACS
Chemistry for Life®



ACS
Chemistry for Life®

QUESTIONS?

THANKS
THANKS
THANKS

**Felicia Fullilove–Cashwell
Nicholas Jenkins
Scott Reid & CPT
Education Division at ACS**