

# **Data on Your Side: Supply and Demand for Faculty- Researchers and Clinicians**

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April 9, 2021

CAPCSD Conference, Virtual

# Disclosure Notice

- ▶ Michael Bamdad has a nonfinancial relationship with the Council of Academic Programs in Communication Sciences and Disorders as President-Elect.
- ▶ Loretta Nunez has a financial relationship with the American Speech-Language-Hearing Association that pays her salary.
- ▶ Judy Blackburn has a financial relationship with the American Speech-Language-Hearing Association that pays her salary.
- ▶ Sarah Slater has a financial relationship with the American Speech-Language-Hearing Association that pays her salary.

# Learner Outcomes

1. Identify data collected through the CSD Education Survey, the U.S. Bureau of Labor Statistics, and ASHA Survey Research and Reports that can describe current workforce characteristics and employment projections for the audiology and speech-language pathology professions.
2. Describe national data trends for admission, enrollment, and graduation rates among graduate audiology and speech-language pathology programs, including trends toward increasing diversity in the field.
3. Describe national data trends for PhD researcher education and employment in communication sciences and disorders.

# Agenda

1. CSD Education Survey overview
2. Admissions and enrollment data
3. Graduation and job outlook data
4. Diversity data
5. Impact of COVID-19 data

# CSD Education Survey

## A joint endeavor between...

- ▶ American Speech-Language-Hearing Association (ASHA)
- ▶ Council of Academic Programs in Communication Sciences and Disorders (CAPCSD)

## Institutions submit data about each of their CSD programs for the previous academic year

- ▶ For AY 2019-2020 - Overall submission rate of 91%
- ▶ 302 out of 331 total institutions
- ▶ **THANK YOU!!**

## Data are used in...

- ▶ [EdFind](#)
- ▶ [National Aggregate Report](#), [State Aggregate Reports](#), [Trend Reports](#)

# CSD Education Survey Annual Timeline

Survey Fielding Year	Survey Submission Dates	Data Collection Period	Data Reports Publication Date
2021	August 2 - November 3 2021	Fall 2020 – Summer 2021	Spring 2022
2020	August 3 - November 2 2020	Fall 2019 – Summer 2020	Spring 2021

**Data is entered into EdFind within 48 hours of submission**

# 2020 Institution Summary

## AY 2019 - 2020

Number	Degree	Area of Study
272	Undergraduate	CSD
80	Entry-level clinical doctorate	Audiology
4	Post entry-level doctorate	Audiology
290	Master's degree	Speech-Language Pathology
8	Post entry-level clinical doctorate	Speech-Language Pathology
83	Research doctorate	AUD, SLP and/or SLHS

# 2020 CSD Education Survey Honor Roll

- **33 states with 100% participation!!**

Alabama	Kansas	Nevada	Vermont
Arizona	Kentucky	New Hampshire	Virginia
Colorado	Maine	New Mexico	Washington
Connecticut	Maryland	North Dakota	West Virginia
Delaware	Minnesota	Oregon	Wisconsin
Hawaii	Mississippi	Puerto Rico	Wyoming
Idaho	Missouri	Rhode Island	
Indiana	Montana	South Carolina	
Iowa	Nebraska	Utah	



# 2020 Survey Drawing Winners

Complimentary conference registrations went to:

2021 CAPCSD Annual Meeting

*University of Minnesota,*

*Duluth*

*University of Oregon*

2021 ASHA Convention

*Northeast Ohio AuD Consortium*

*Louisiana Technical University*



Drawings are held in mid-August, early and late September, and late October

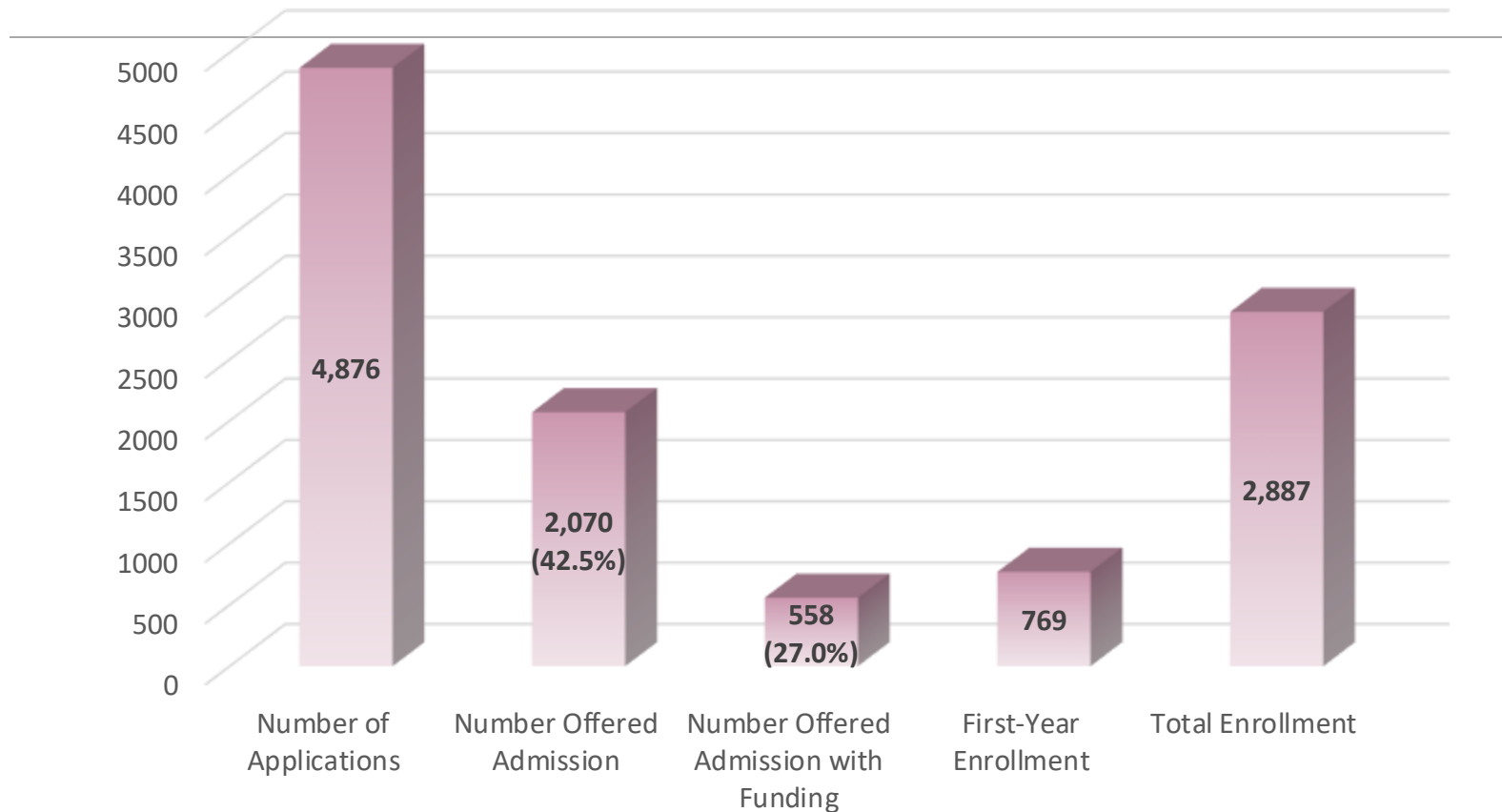
# 2020 CSD Education Survey Results for AY 2019-2020

And the survey said...

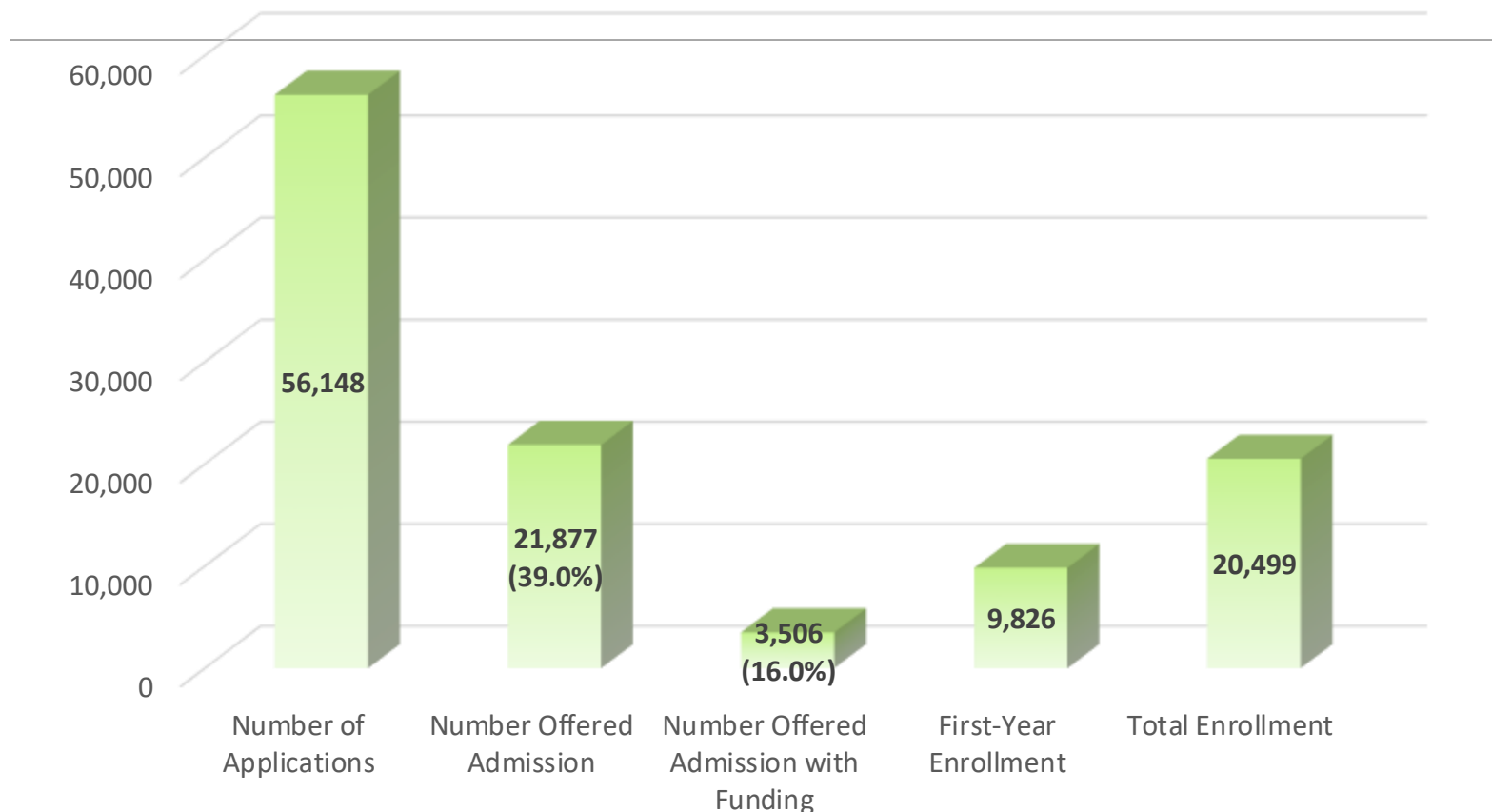
## Admissions and Enrollment Data



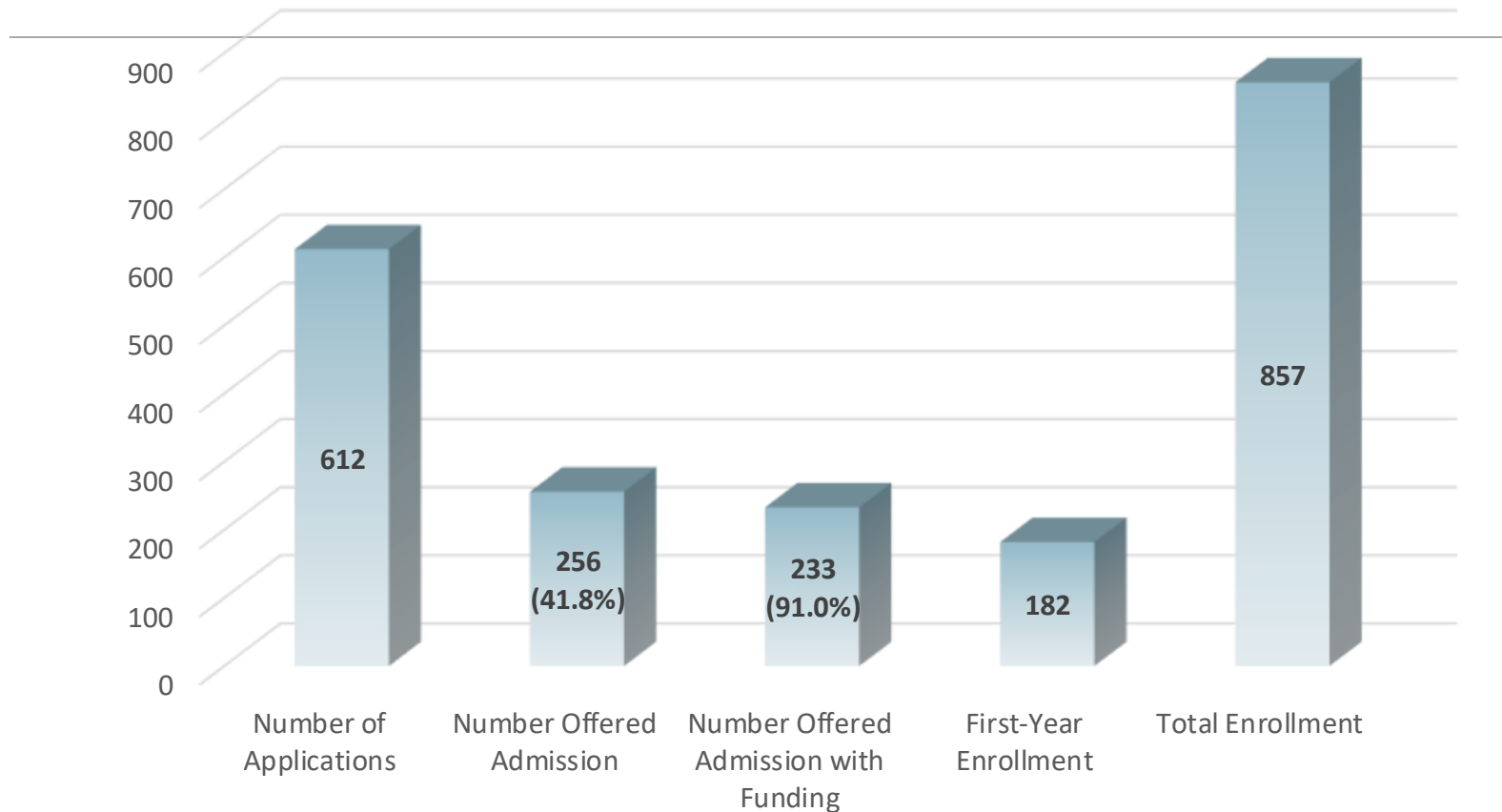
# Audiology Clinical Doctoral Programs Admissions and Enrollment Data – AY 2019-2020



# Speech-Language Pathology Master's Programs Admissions and Enrollment Data – AY 2019-2020



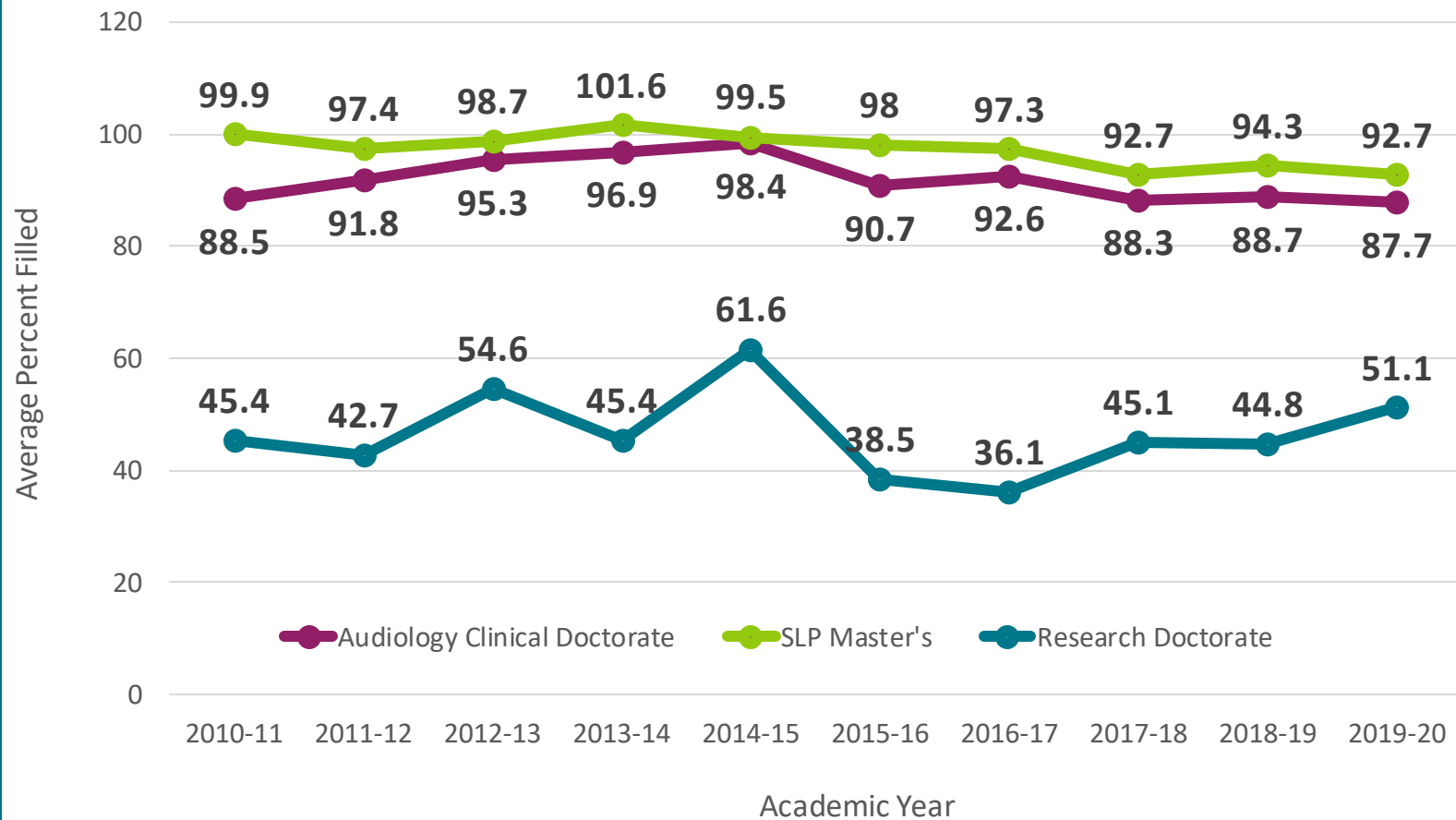
# Research Doctoral Programs Admissions and Enrollment Data – AY 2019-2020



# Percent Filled Capacity – Trend Data

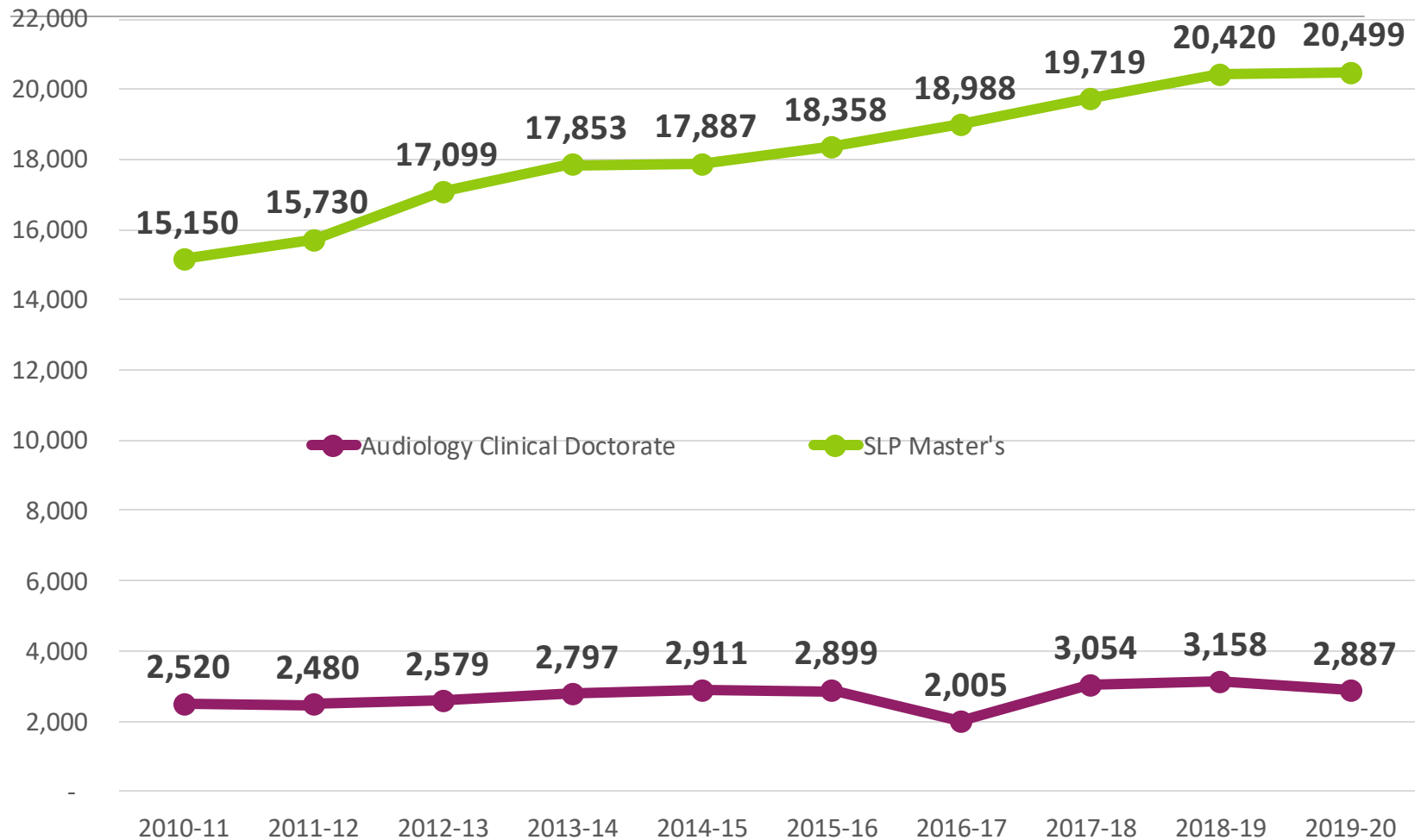
Audiology Clinical Doctoral, SLP Master's, and Research Doctoral Programs

(First Year Enrollment Divided by Capacity)

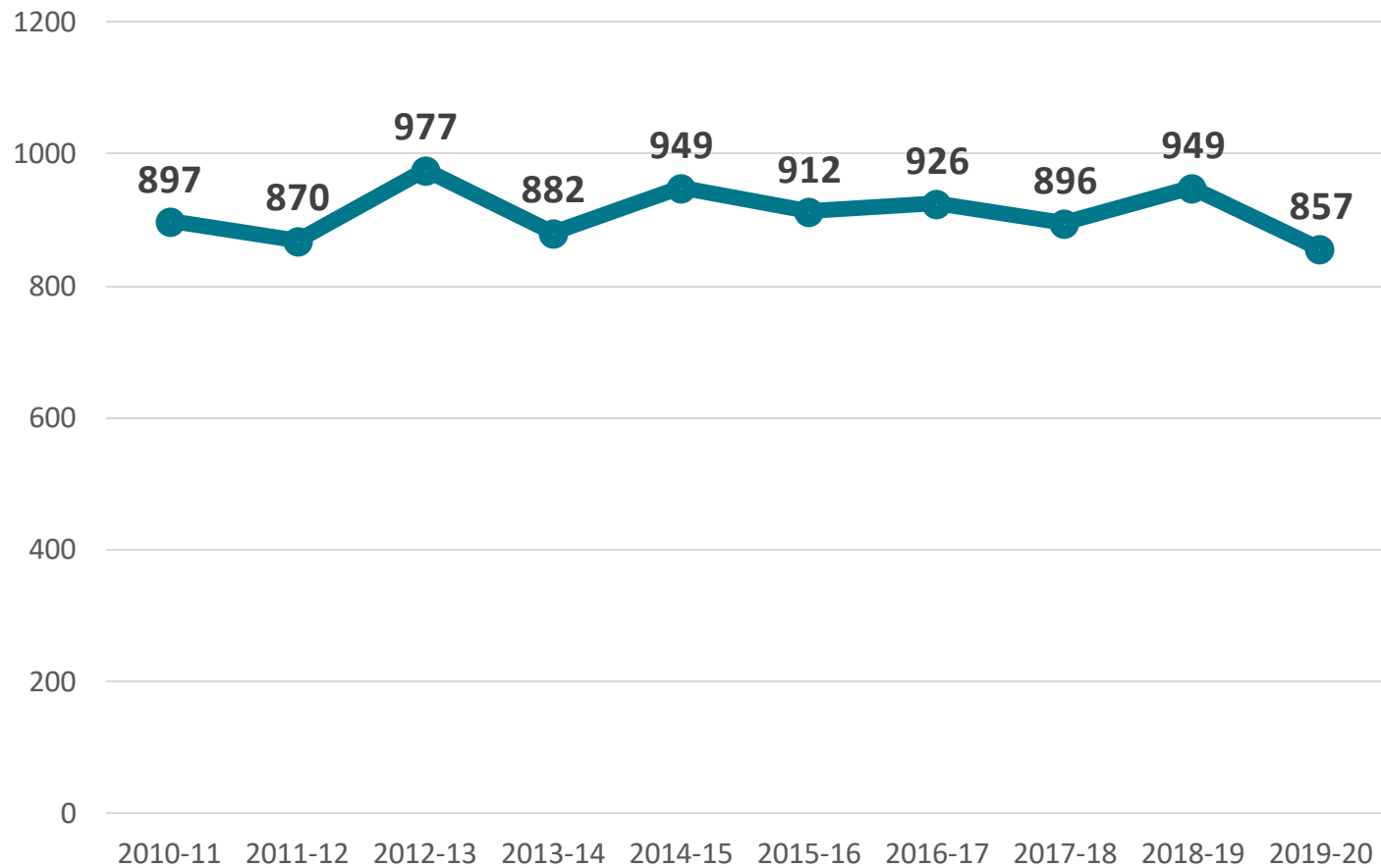


# Total Student Enrollment – Trend Data

## Audiology Clinical Doctoral and SLP Master's Programs



# Total Student Enrollment – Trend Data Research Doctoral Programs





# 2020 CSD Education Survey Results for AY 2019-2020

And the survey said...

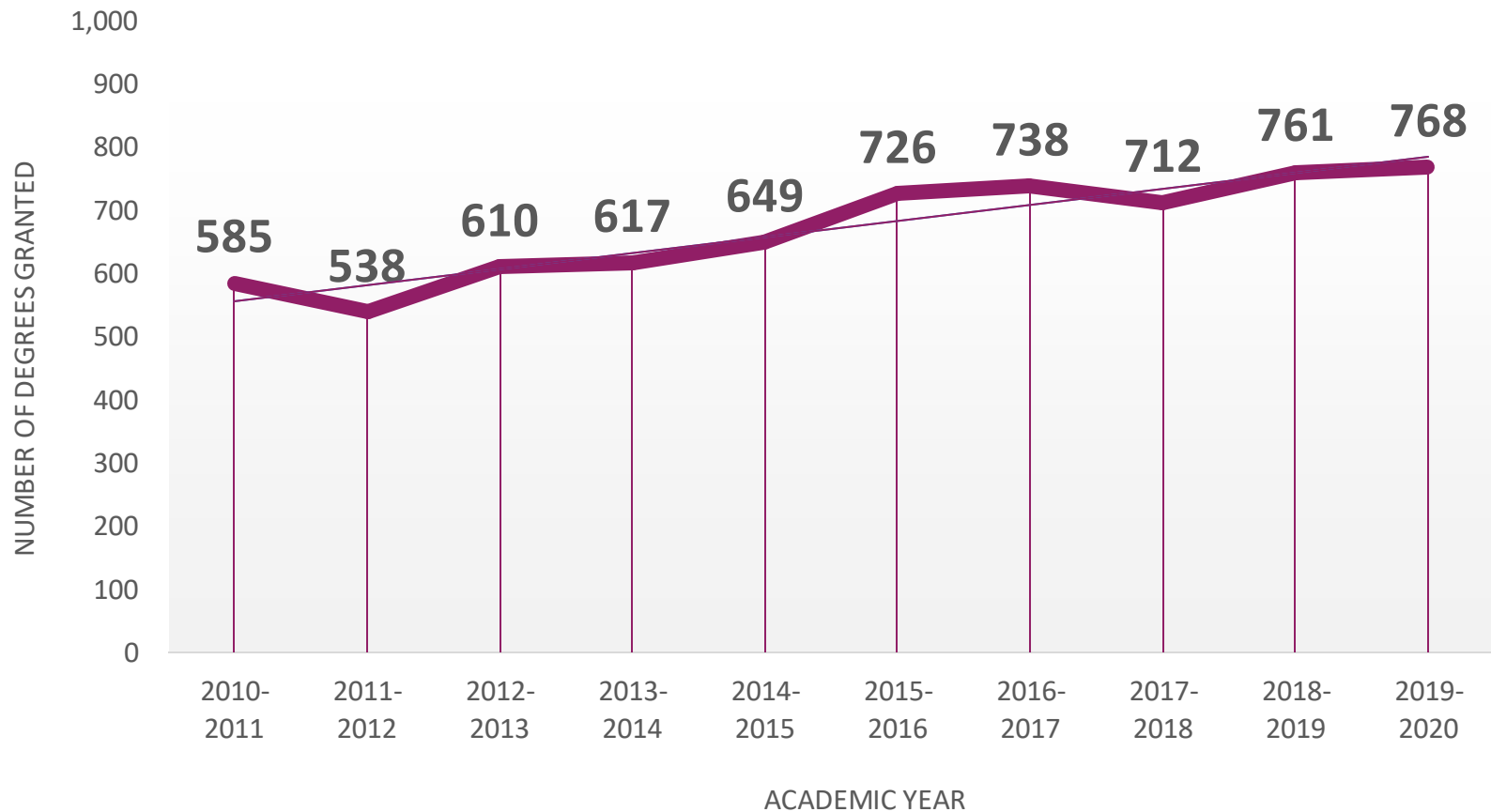
## Graduation and Job Outlook Data



# Degrees Granted – Trend Data

## Audiology Clinical Doctorate Entry-Level Programs

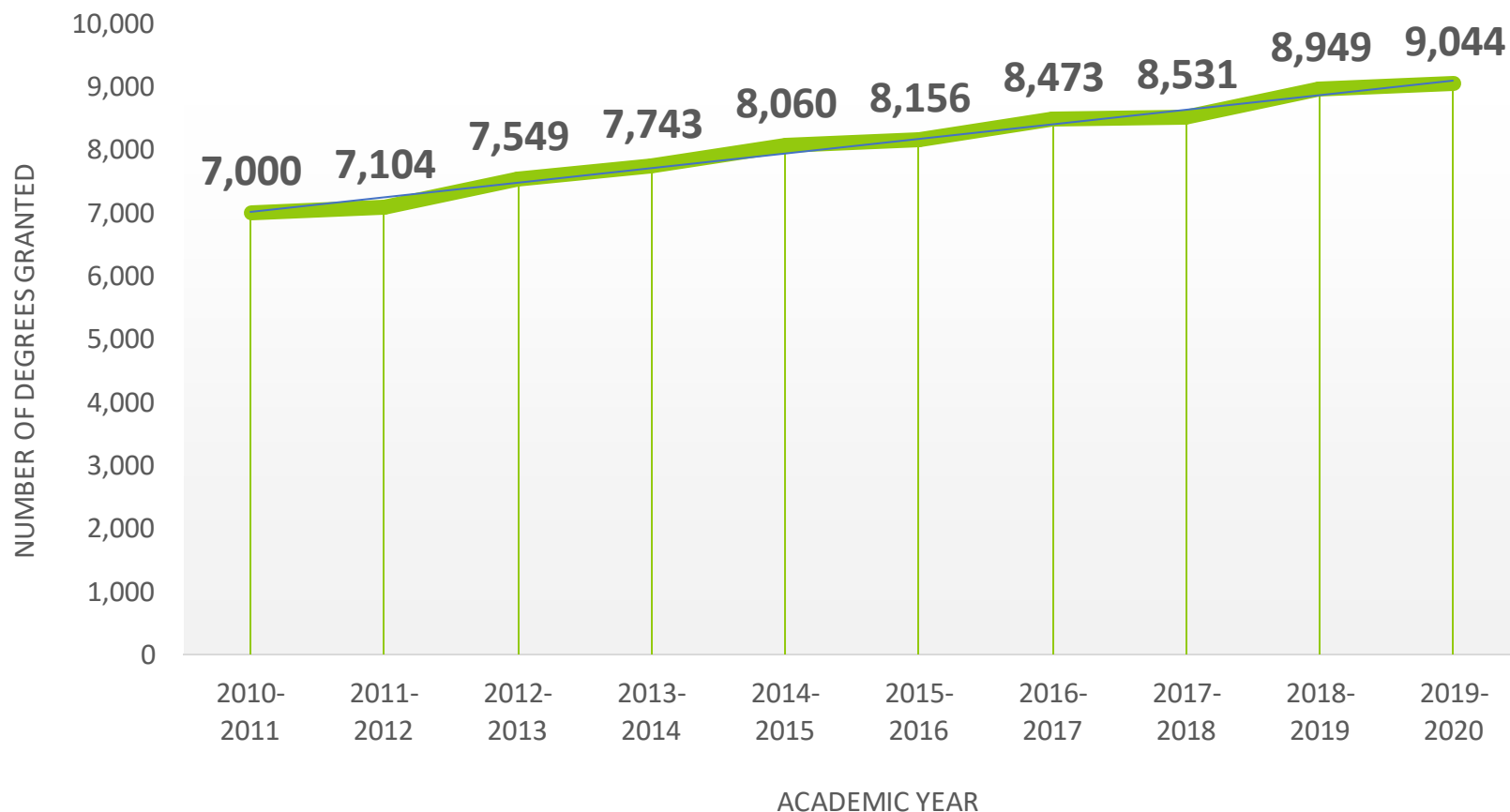
(Extrapolated to 100% of Programs Reporting)



# Degrees Granted – Trend Data

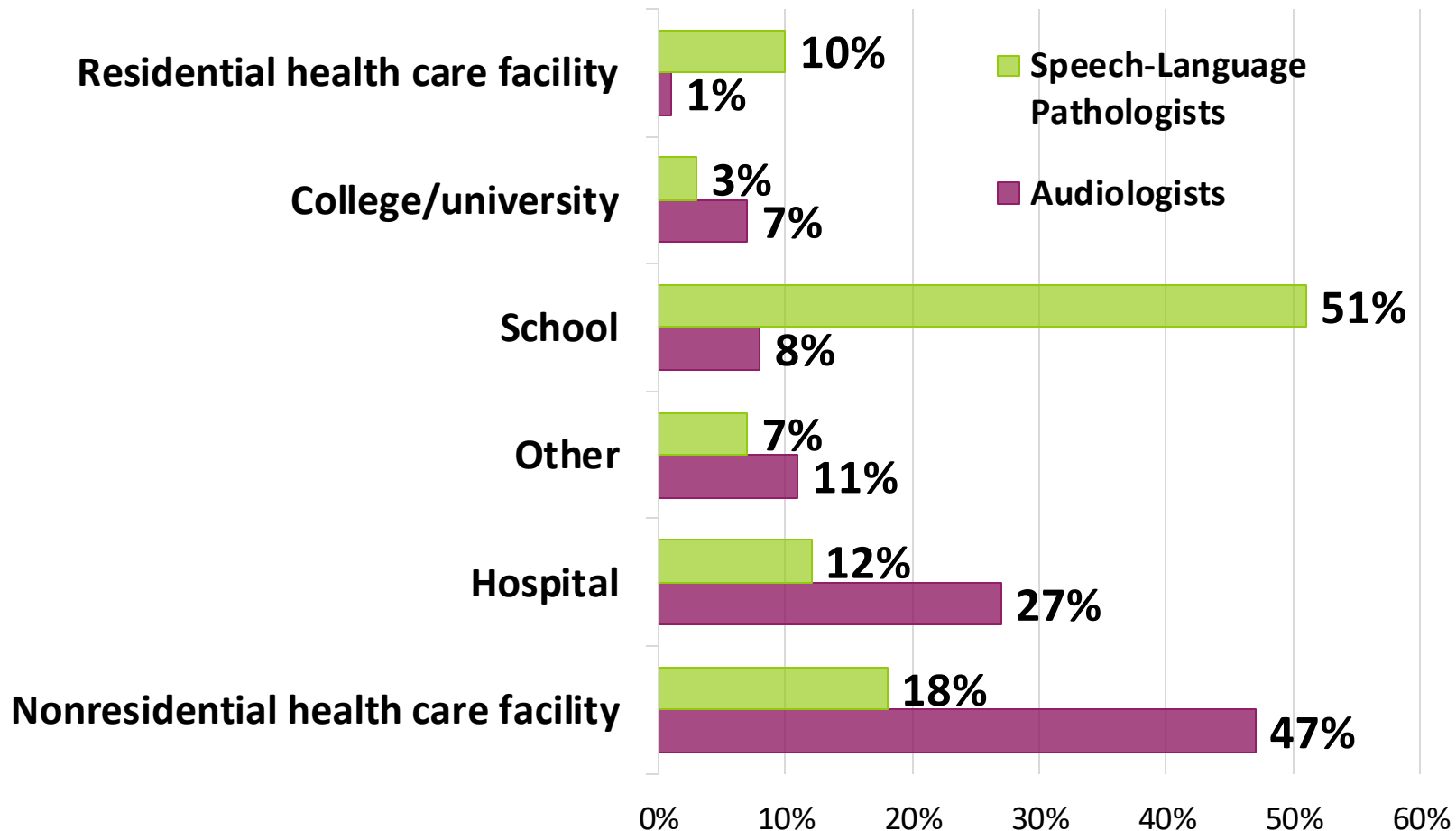
## Speech-Language Pathology Master's Programs

(Extrapolated to 100% of Programs Reporting)



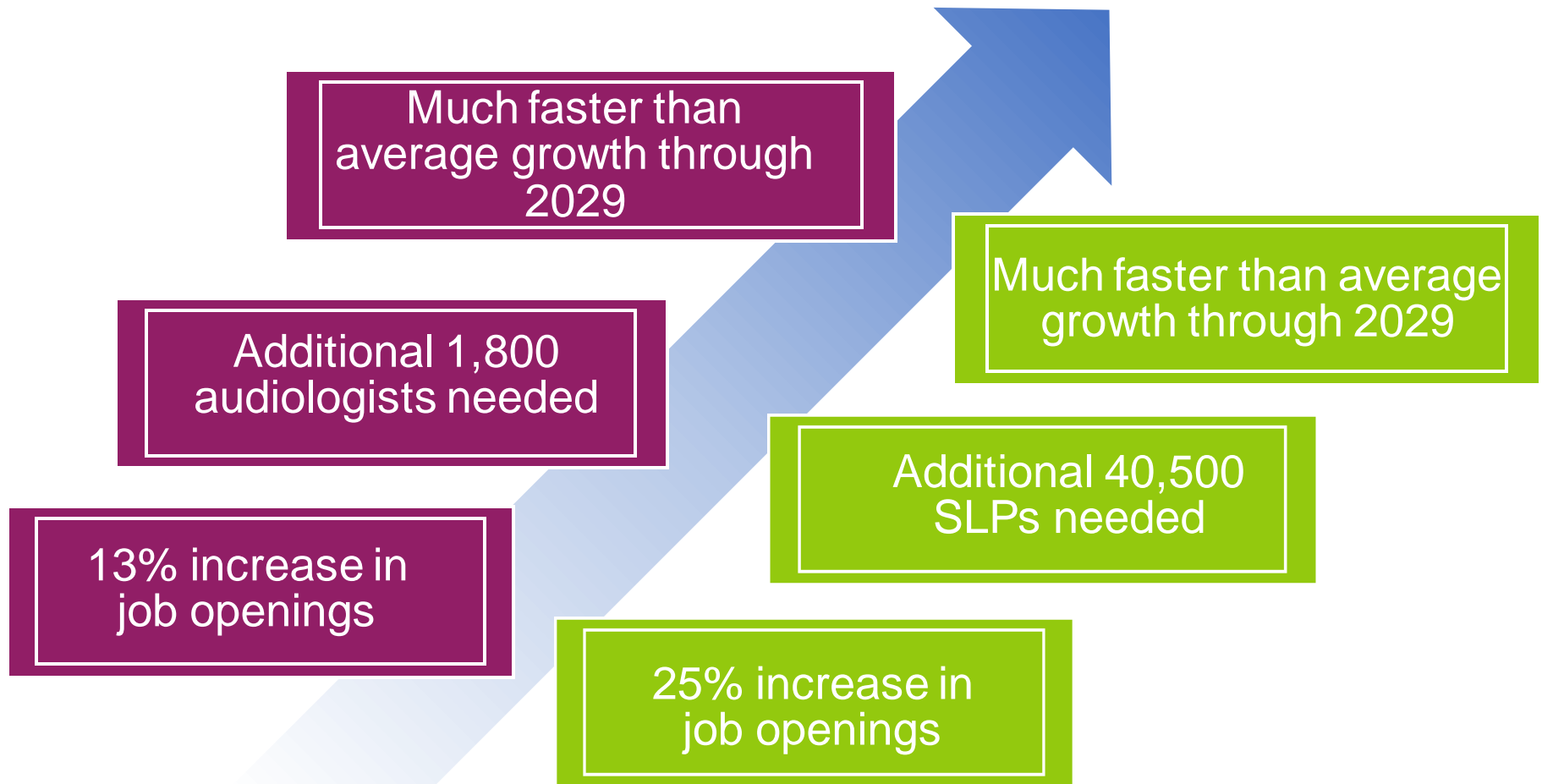
# Job Outlook

## 2020 Primary Employment Facility of ASHA-Certified Speech-Language Pathologists and Audiologists



• Source: <https://www.asha.org/research/memberdata/>

# Projected Job Growth for Audiologists and Speech-Language Pathologists



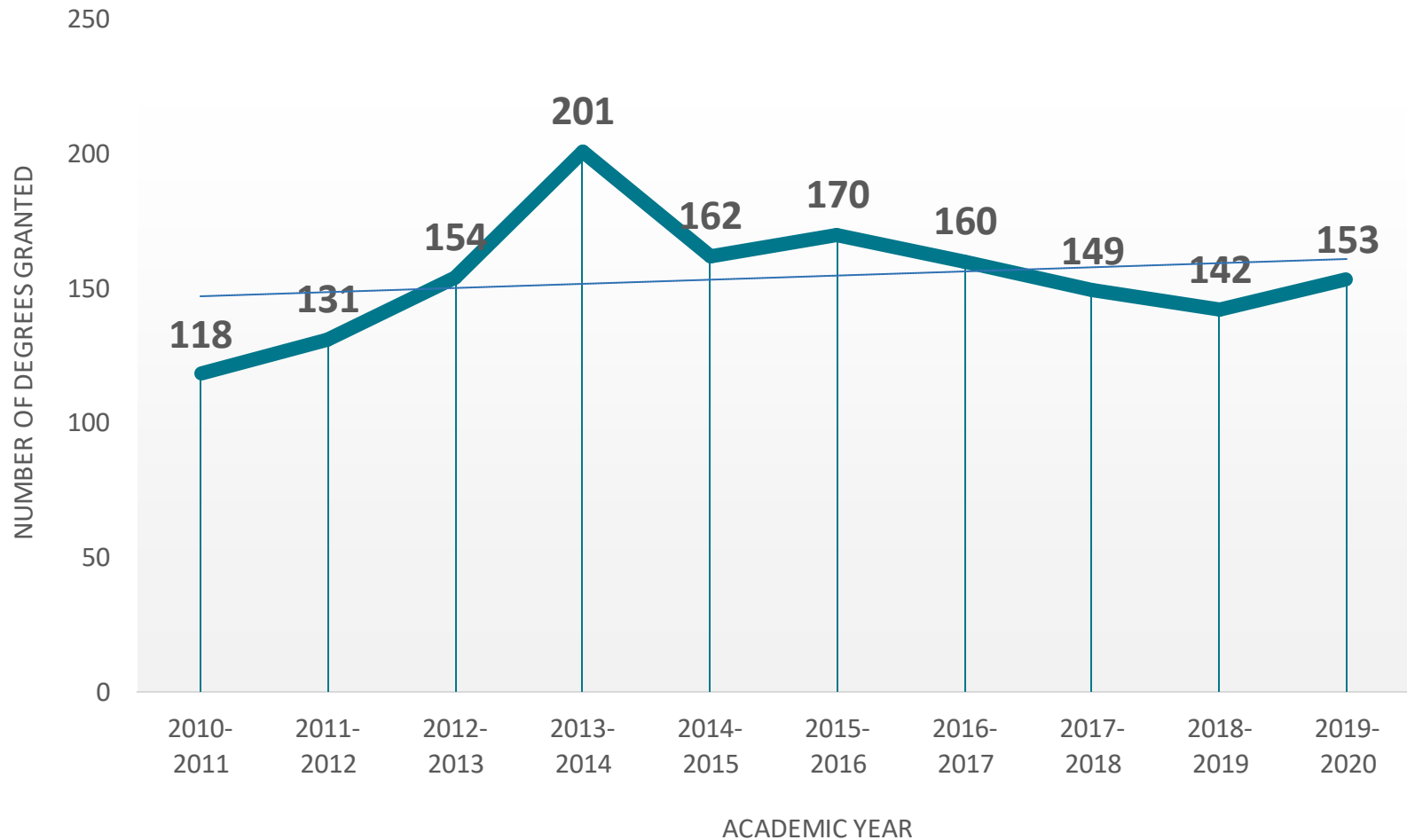
Source: <http://www.bls.gov/ooh/healthcare/audiologists.htm#tab-6>

Source: <http://www.bls.gov/ooh/healthcare/speech-language-pathologists.htm#tab-6>

# Degrees Granted – Trend Data

## Research Doctoral Programs

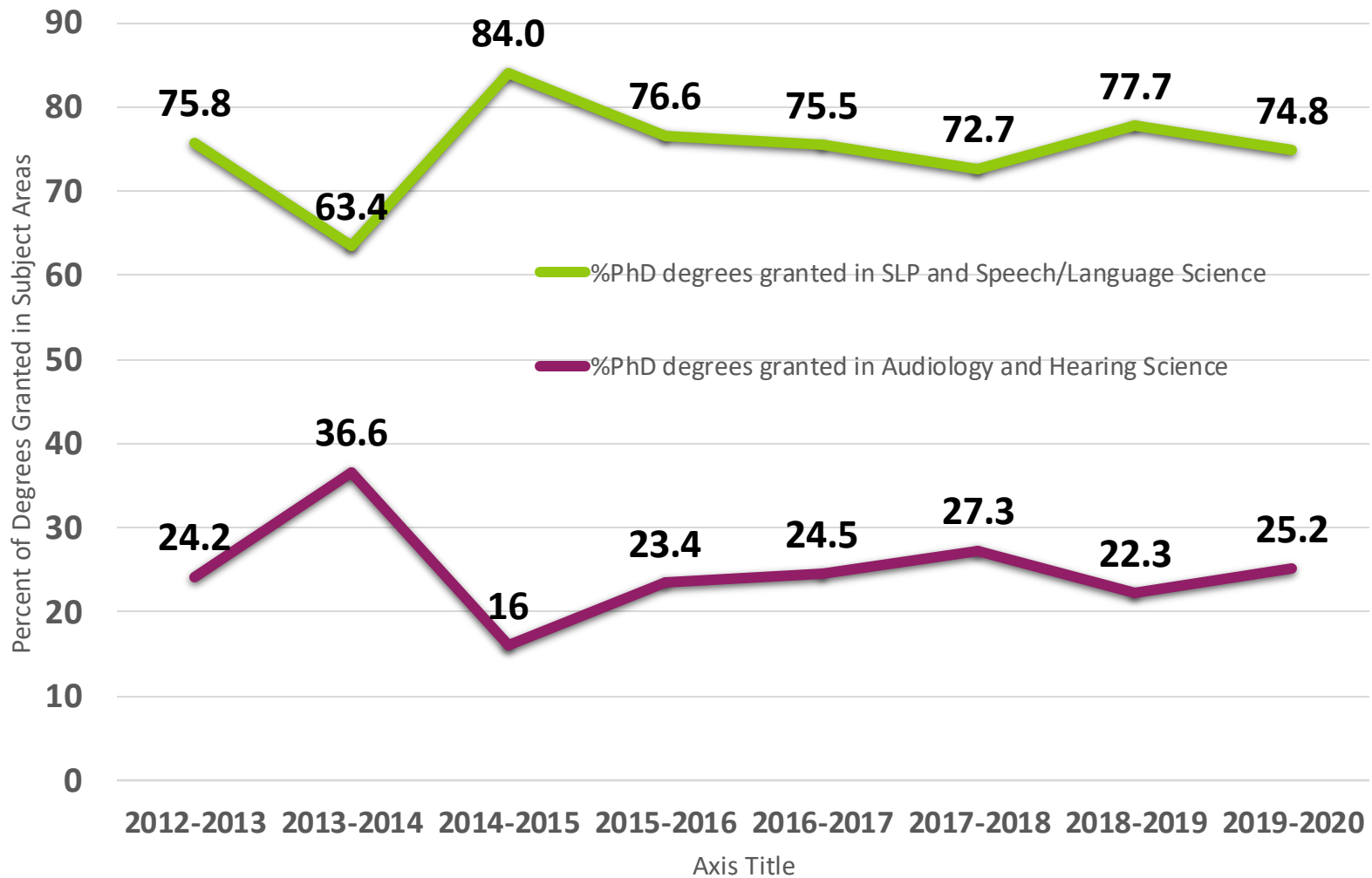
(Extrapolated to 100% of Programs Reporting)



Source: <http://www.asha.org/Academic/HES/CSD-Education-Survey-Data-Reports/>

# Degrees Granted in Subject Areas (%) – Trend Data

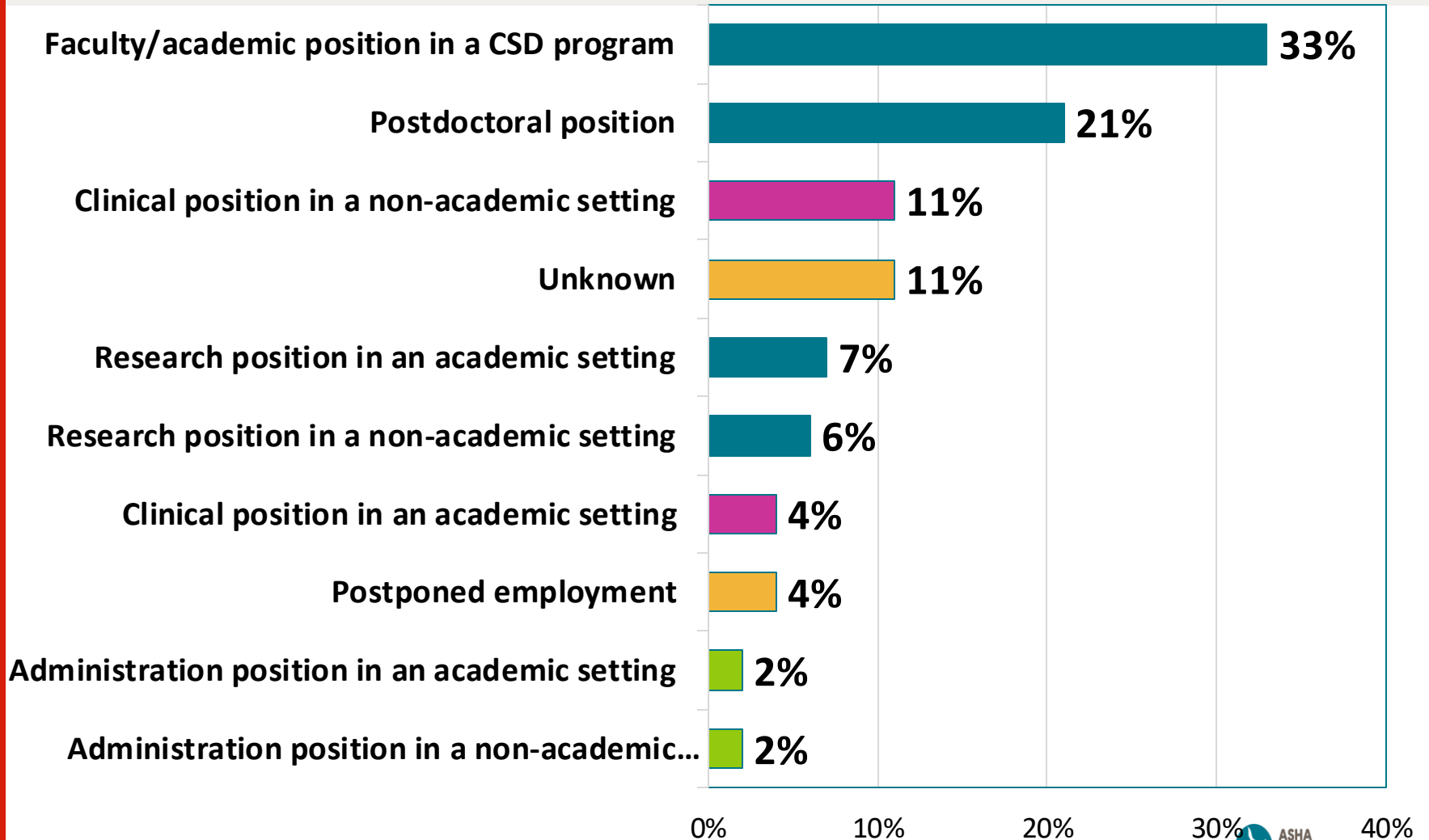
## Research Doctoral Programs



Source: <http://www.asha.org/Academic/HES/CSD-Education-Survey-Data-Reports/>

# Job Outlook

## First Employment for Research Doctoral Graduates – AY 2019-2020

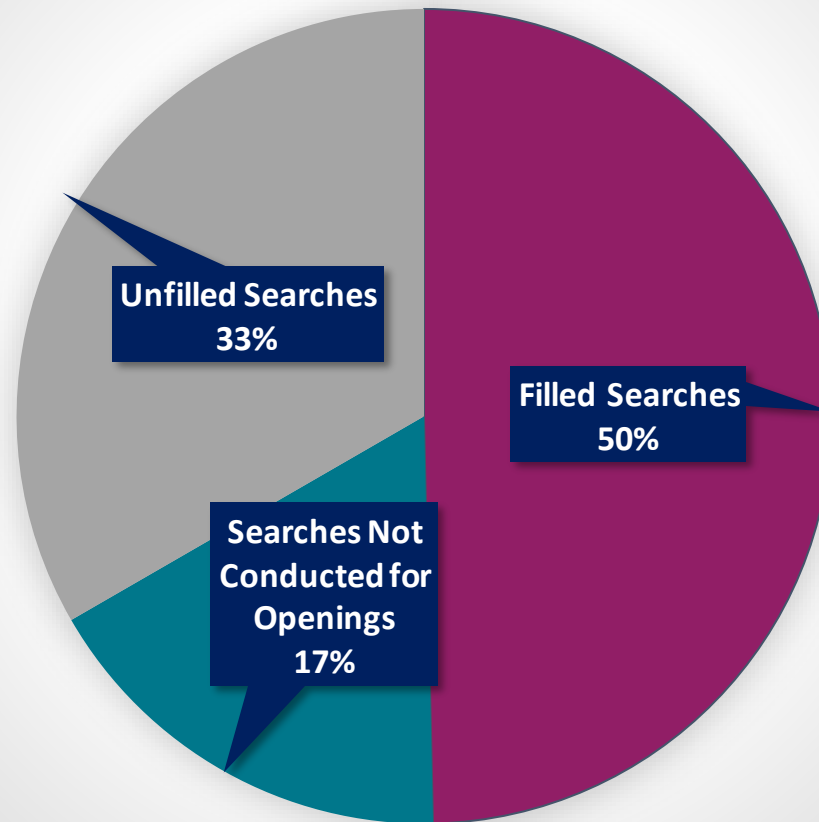




# Job Search

## Full Time Faculty Openings and Searches – AY 2019-2020

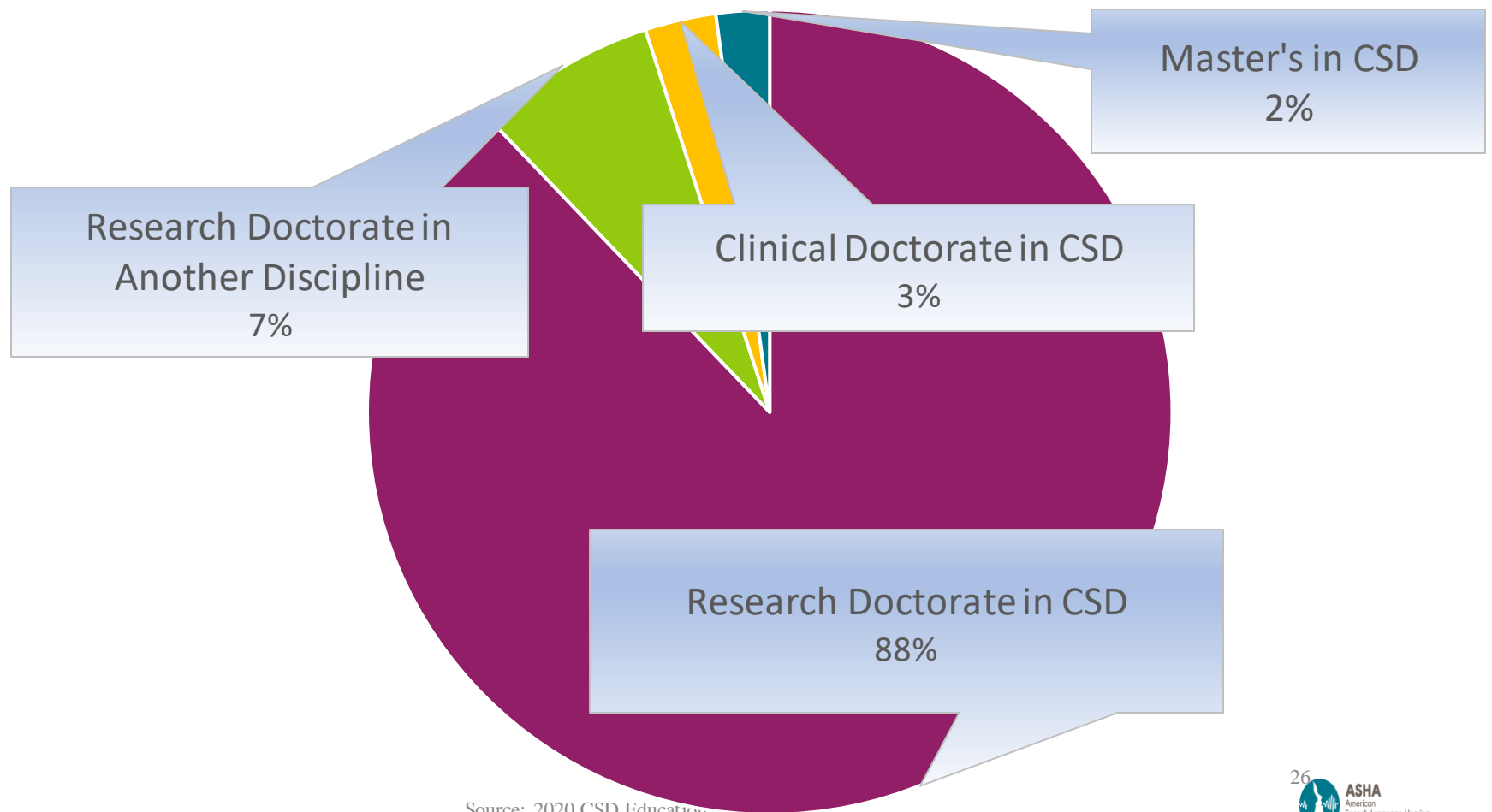
### Full Time Faculty Openings and Searches



# Job Search

## Full Time Faculty Searches Filled – AY 2019-2020

### Searches Filled by Degree Type



Source: 2020 CSD Education Survey

# 2020 CSD Education Survey Results for AY 2019-2020

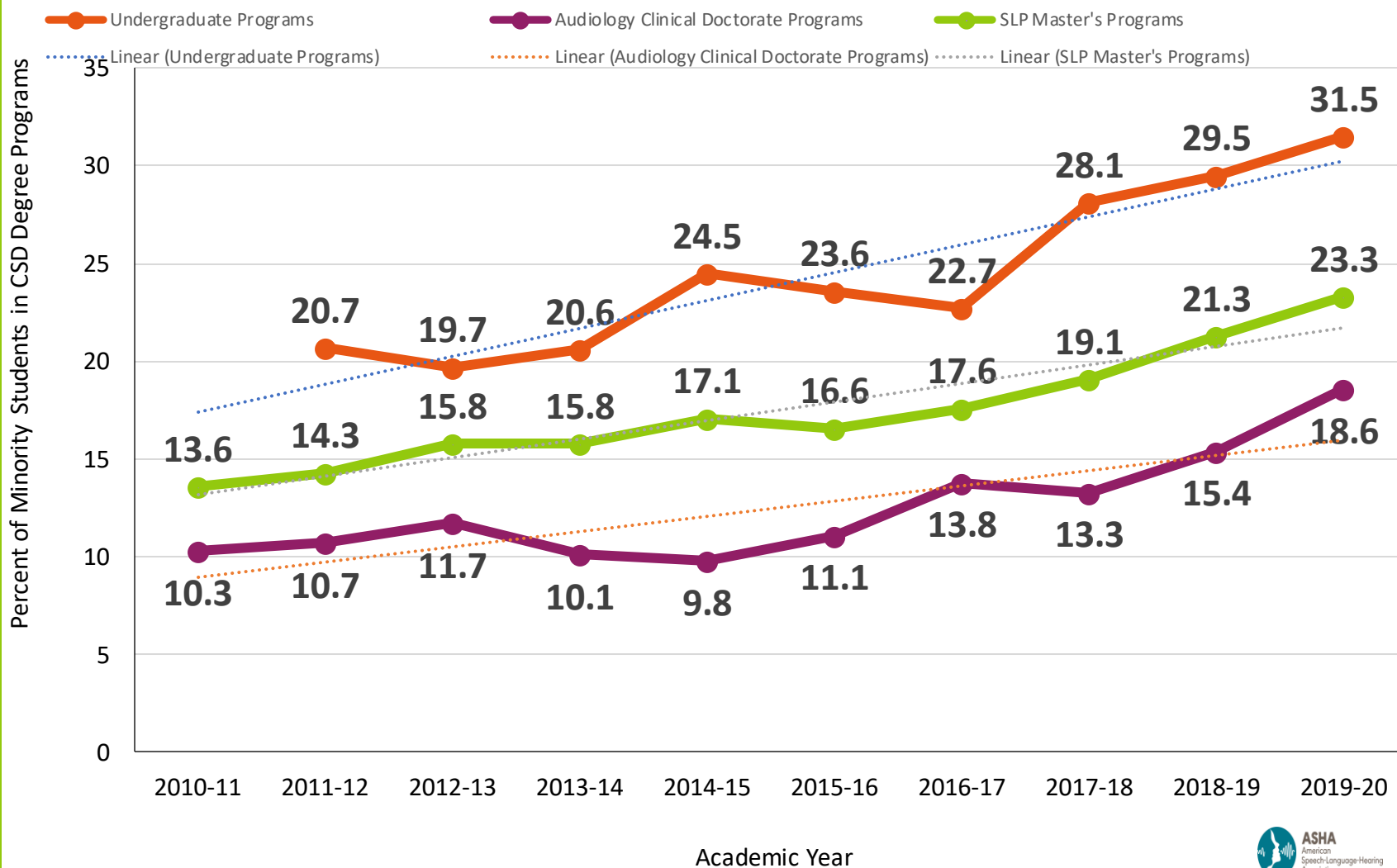
And the survey said...

**Diversity Data**



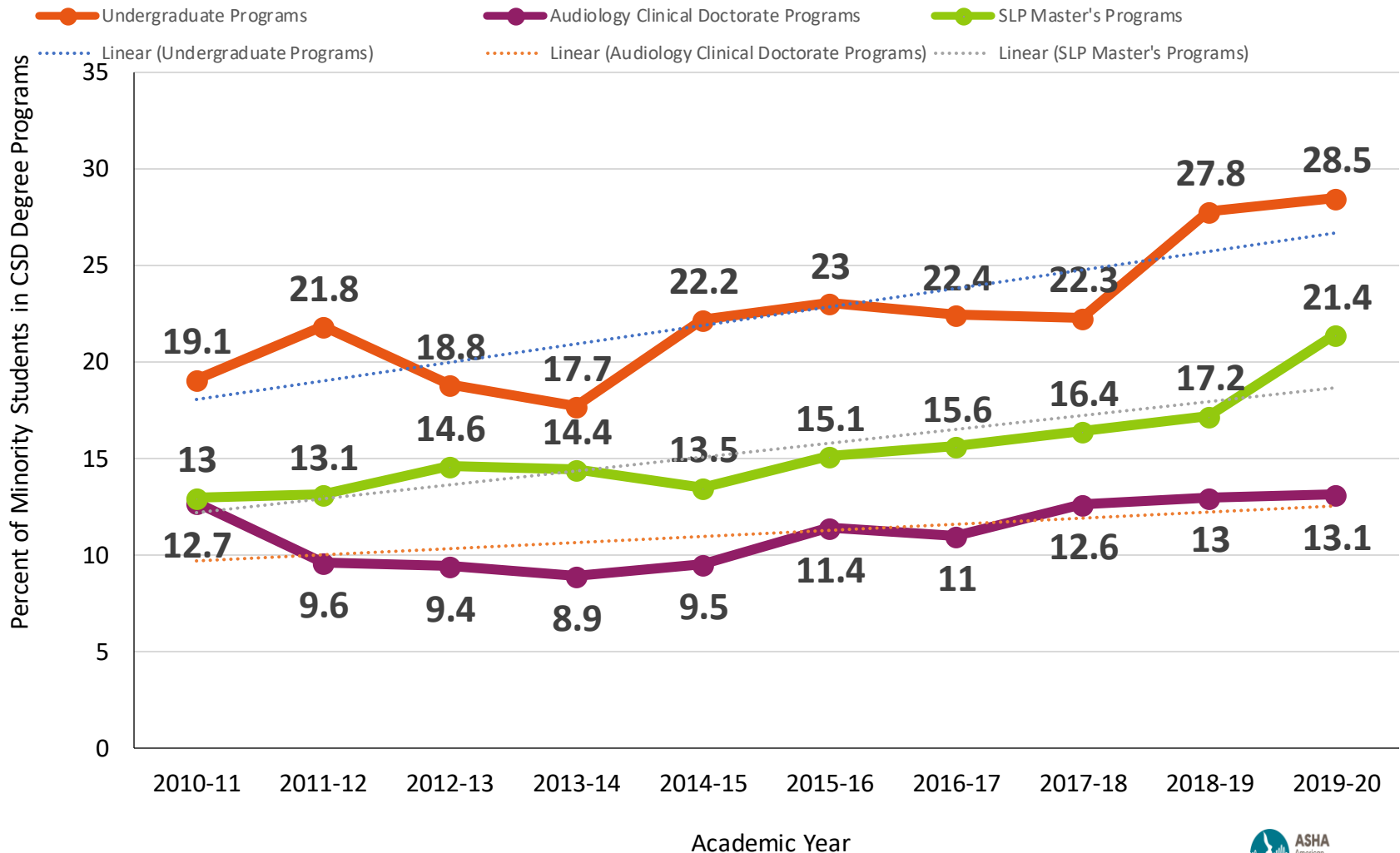
# Minority Student Enrollment (%) – Trend Data

## Undergraduate, Audiology Clinical Doctorate, and SLP Master's Programs



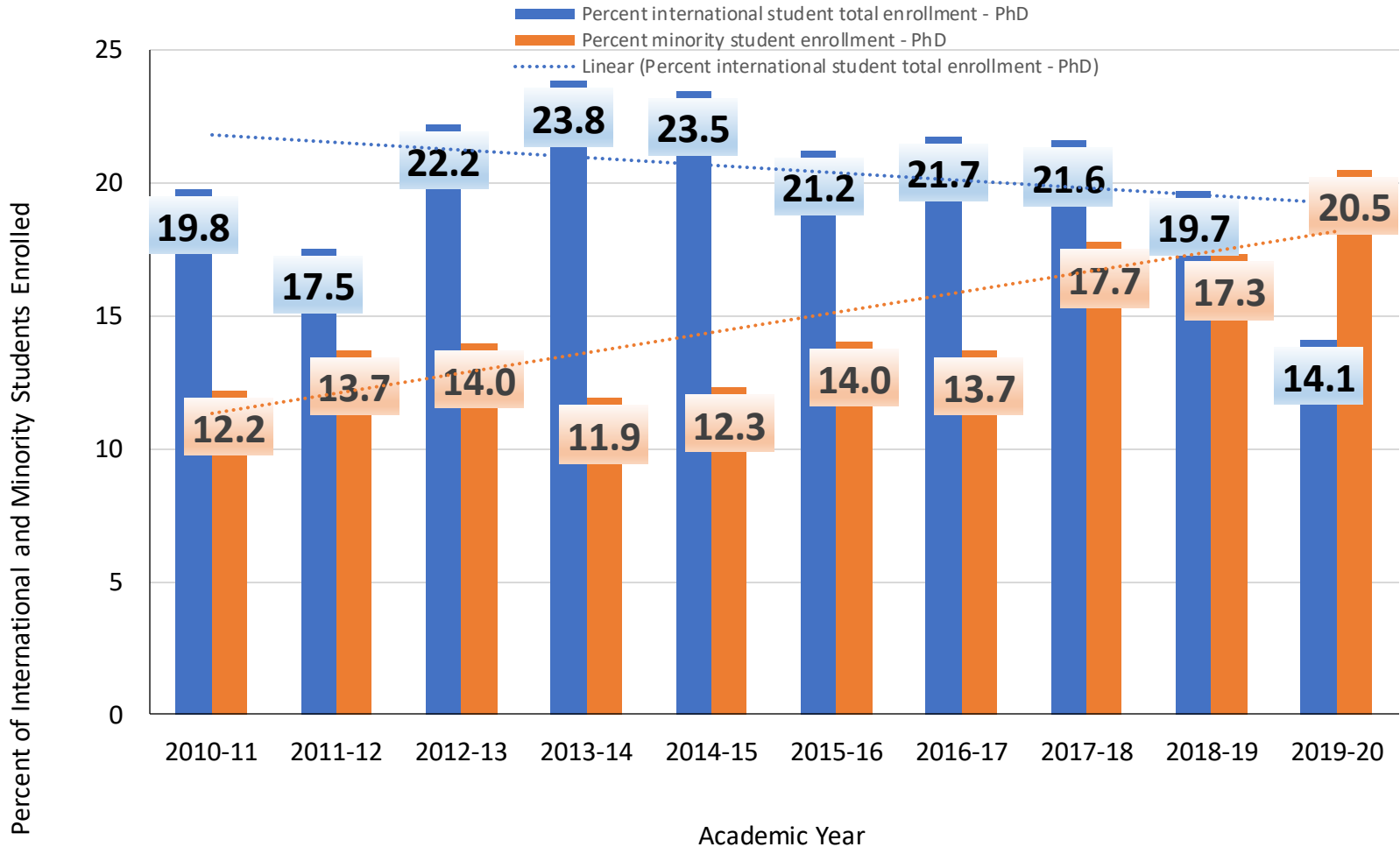
# Minority Student Degrees Granted (%) – Trend Data

## Undergraduate, Audiology Clinical Doctorate, and SLP Master's Programs



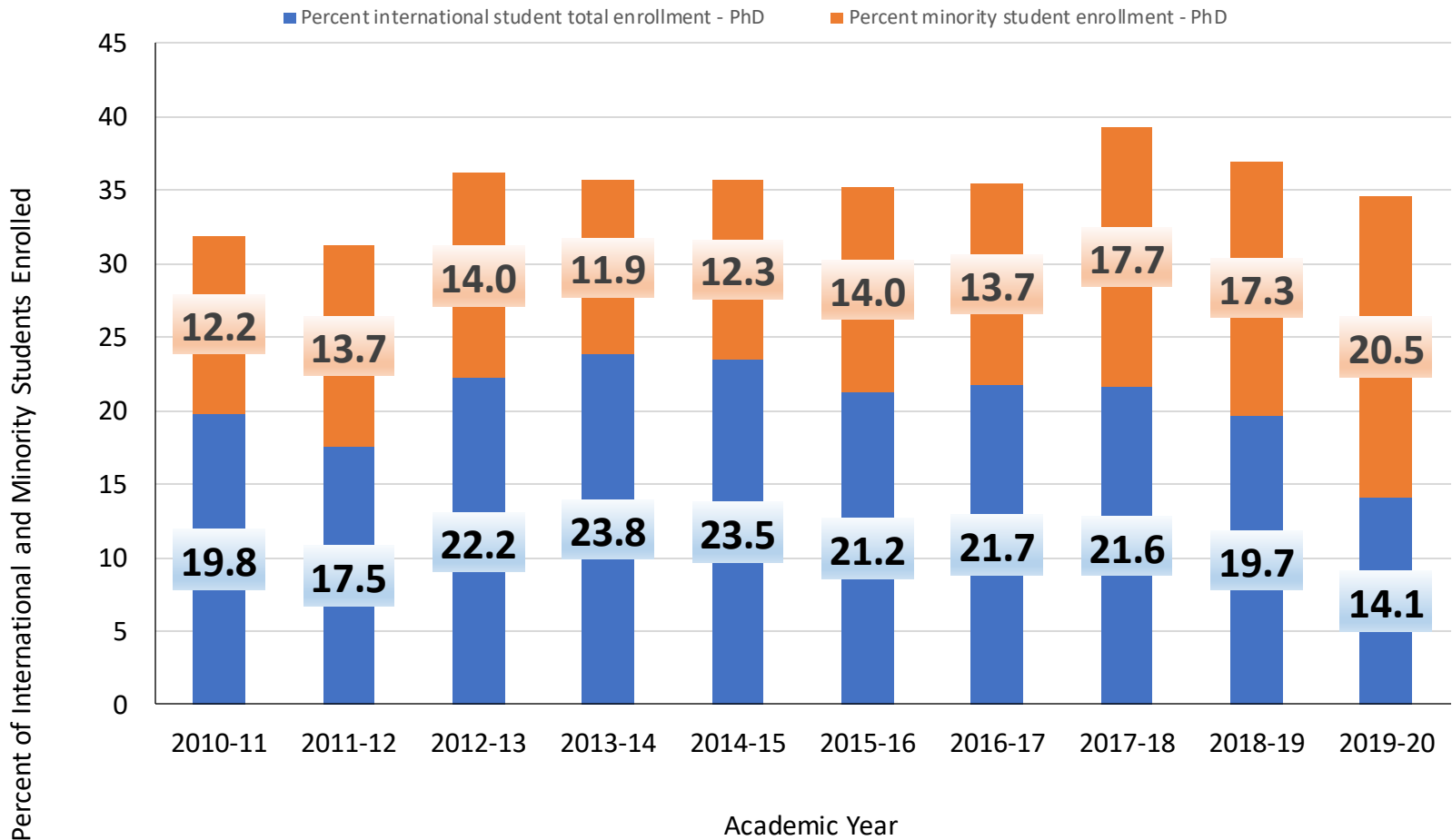
# International and Minority Student Enrollment (%) – Trend Data

## Research Doctorate Programs



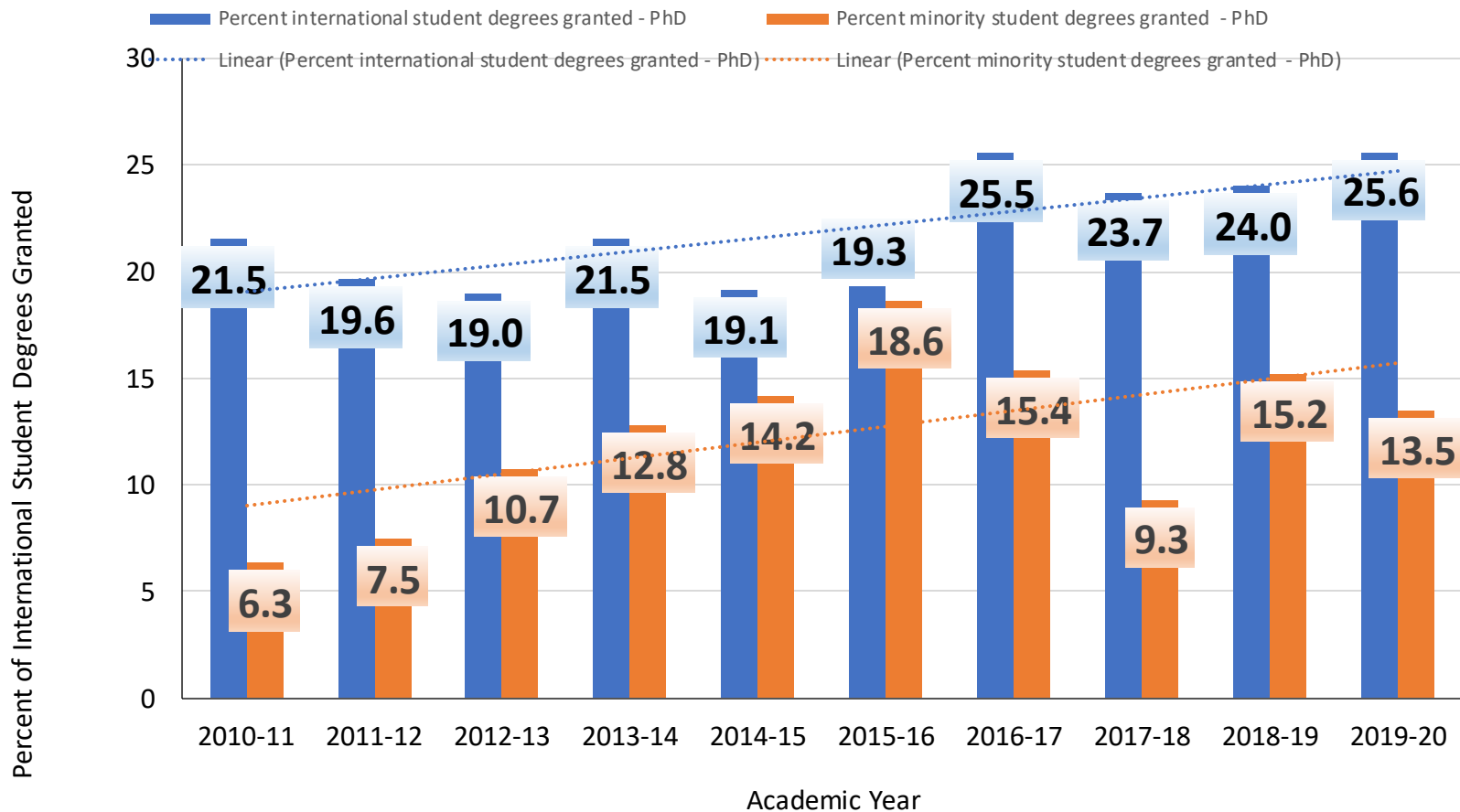
# International and Minority Student Enrollment (%) – Trend Data

Research Doctorate Programs – Same Data Stacked



# International and Minority Student Degrees Granted (%) – Trend Data

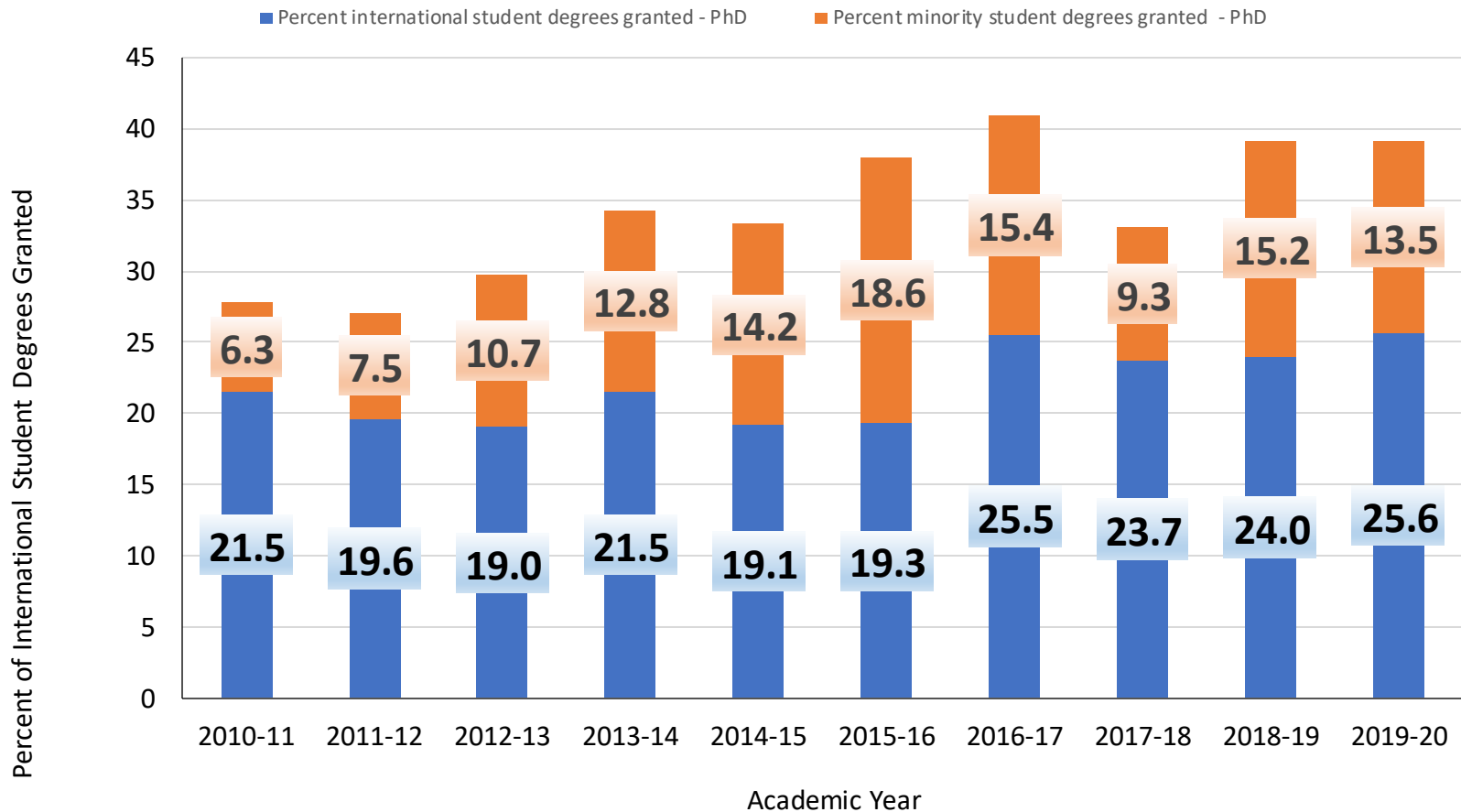
## Research Doctorate Programs





# International and Minority Student Degrees Granted (%) – Trend Data

## Research Doctorate Programs – Same Data Stacked



# 2020 CSD Education Survey Results for AY 2019-2020

And the survey said...

**Impact of COVID-19  
Data**



# Ad Hoc Report: COVID-19 Impact on Academic Programs

**CSD Education Survey included questions about COVID-19**

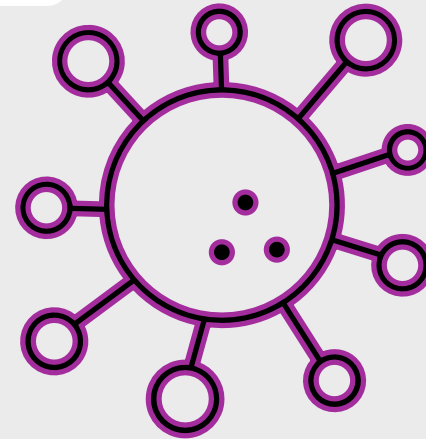
**Challenges in the areas of:**

- Clinical education
- Faculty work/life balance
- Research
- Course delivery
- Academic and program administration
- Student support

**Strategies to address those challenges**

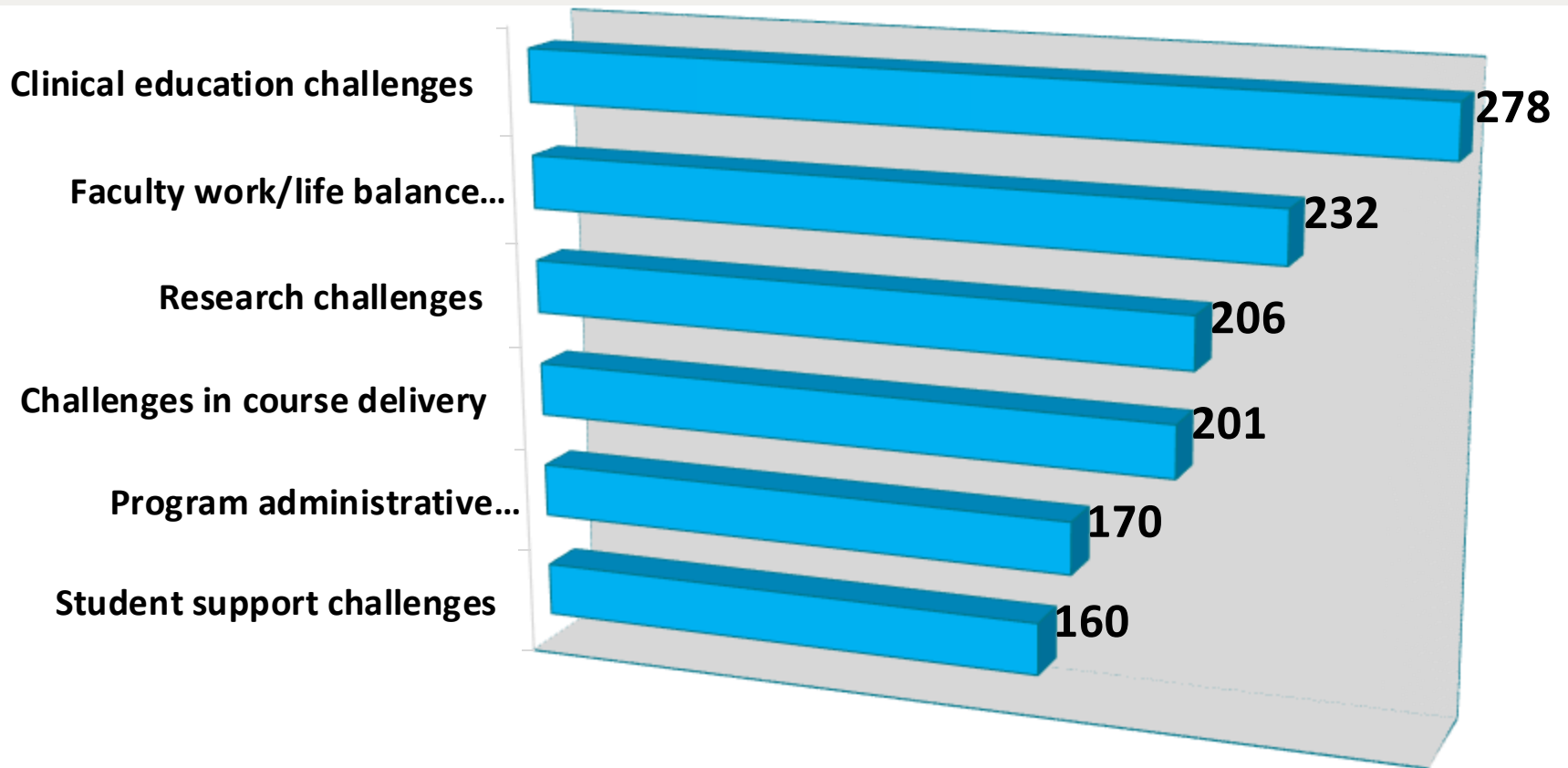
**Impact on....**

- Graduation numbers through Summer 2020
- Enrollment numbers for Fall 2020



# Challenges Due to COVID-19

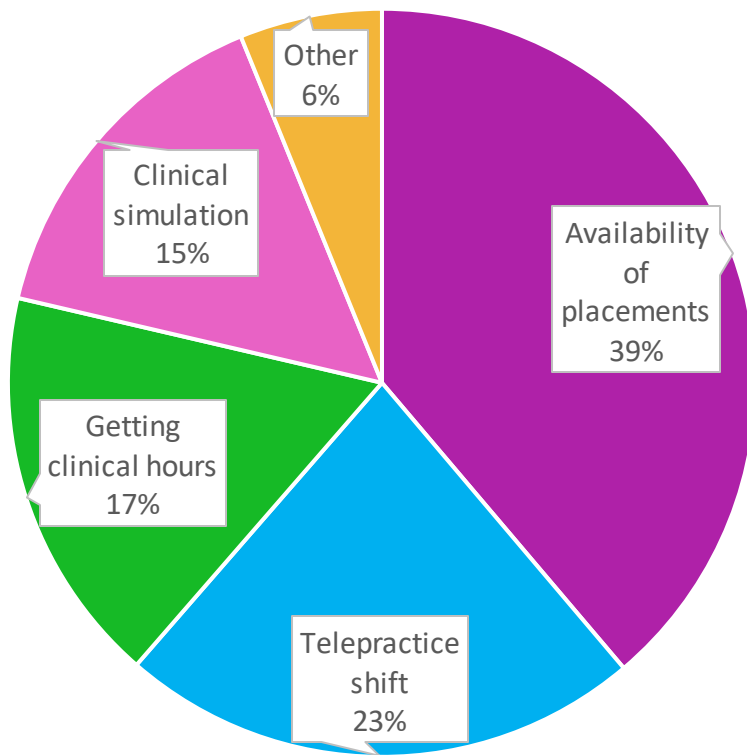
## Number of Institutions that Reported Challenges



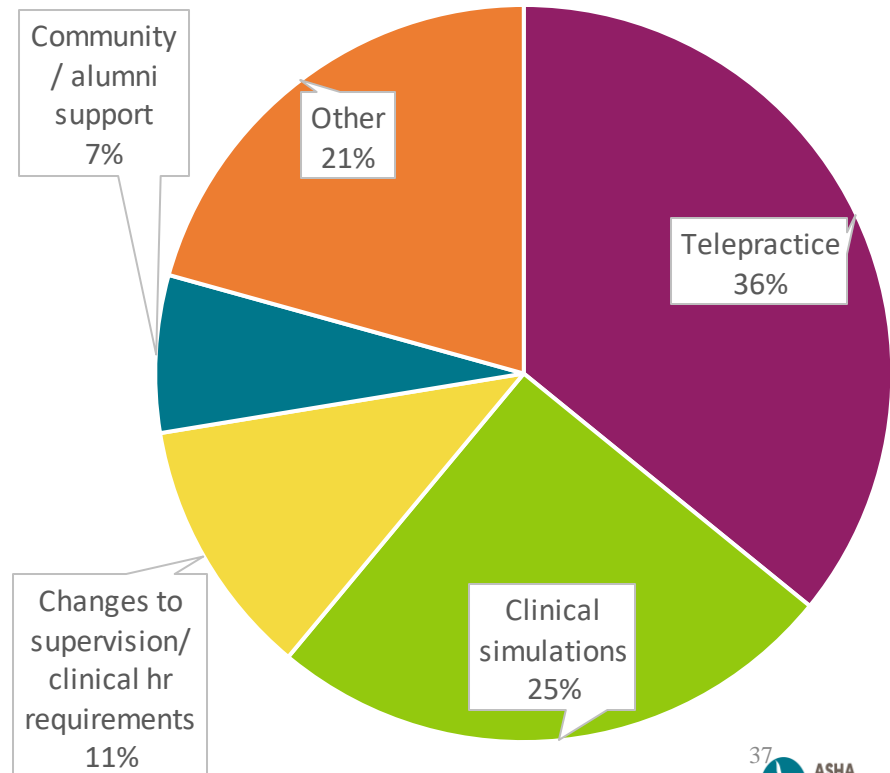
Count out of 293 institutions responding to the question

# Impact of COVID-19 Open-Ended Questions: Clinical Education

## Clinical Education Challenges Brought on By COVID-19



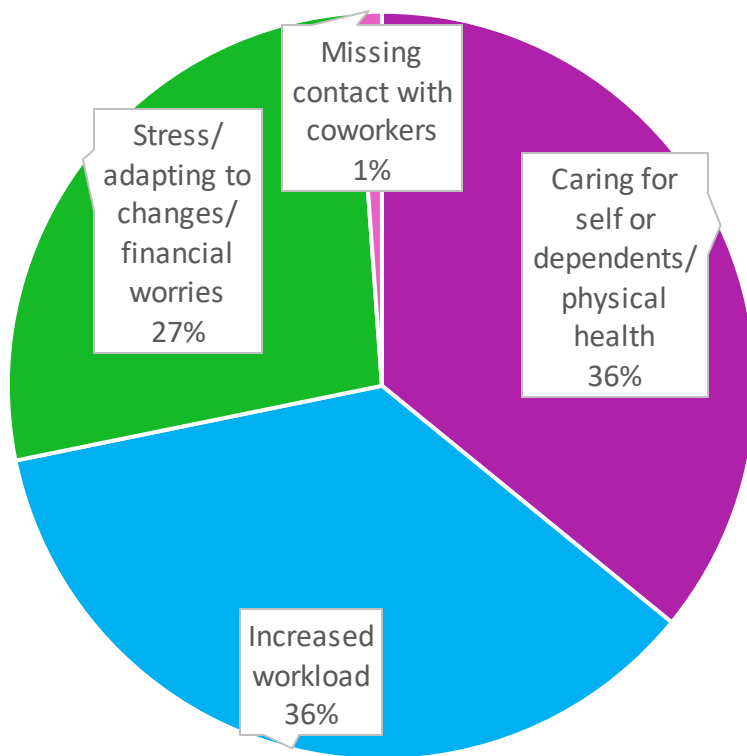
## Clinical Education Strategies



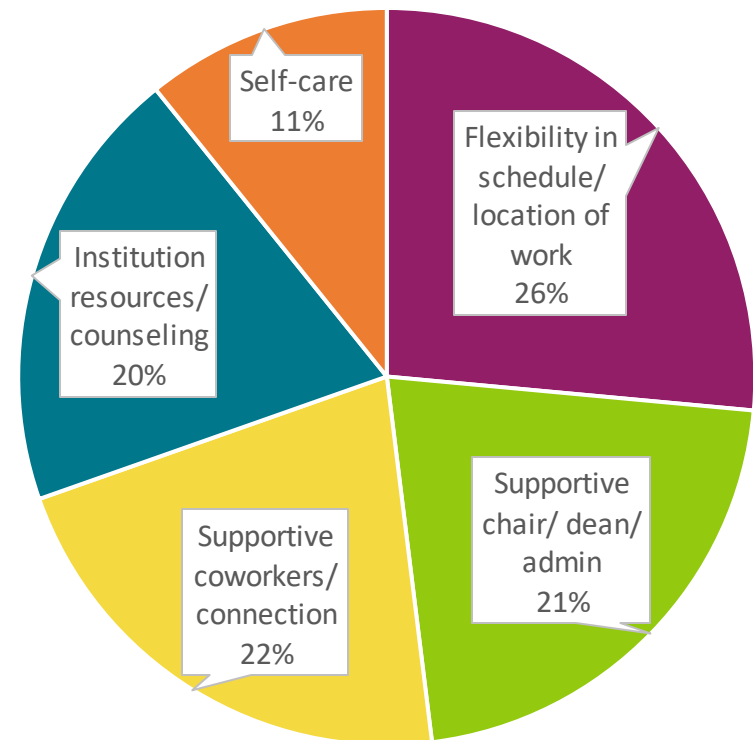
Source: 2020 CSD Education Survey

# Impact of COVID-19 Open-Ended Questions: Faculty Work-Life Balance

## Faculty Work-Life Balance Challenges



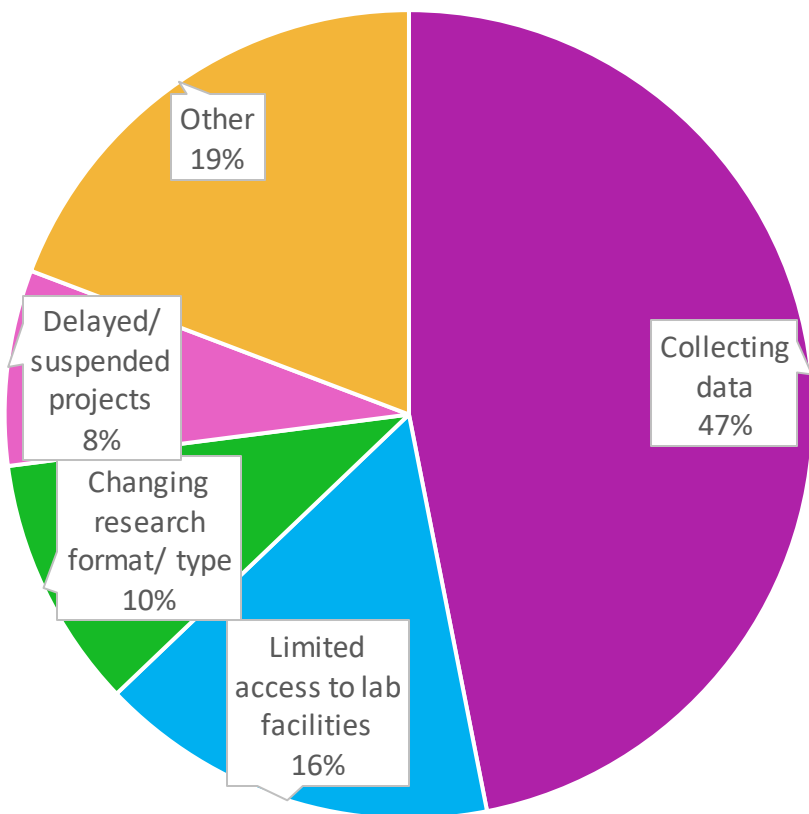
## Faculty Work-Life Balance Strategies



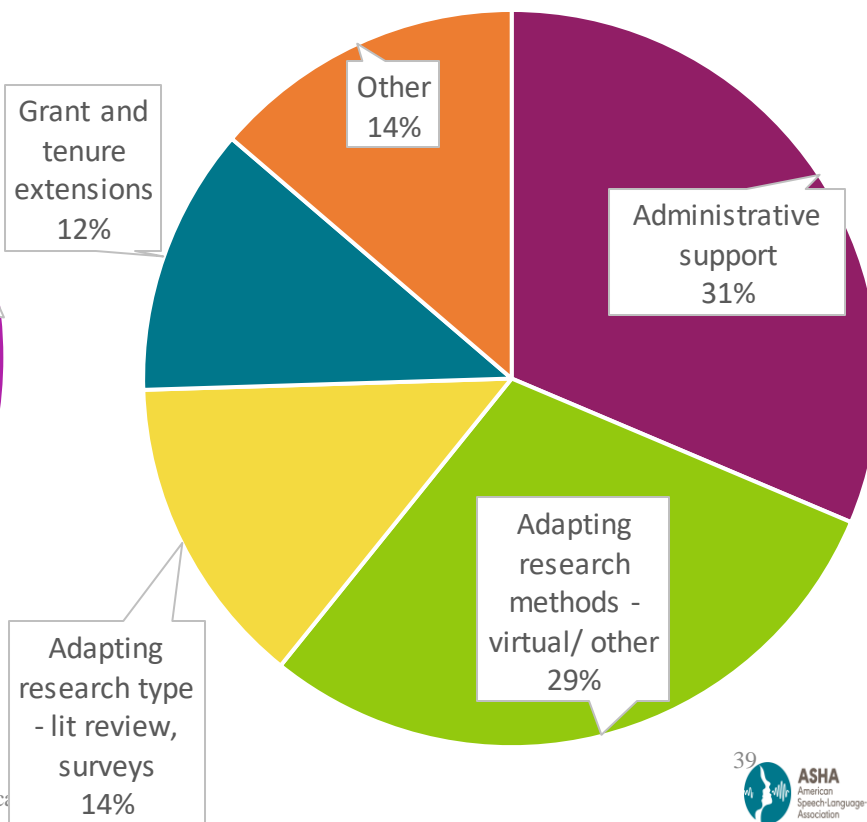
Source: 2020 CSD Education Survey

# Impact of COVID-19 Open-Ended Questions: Research

## Research Challenges



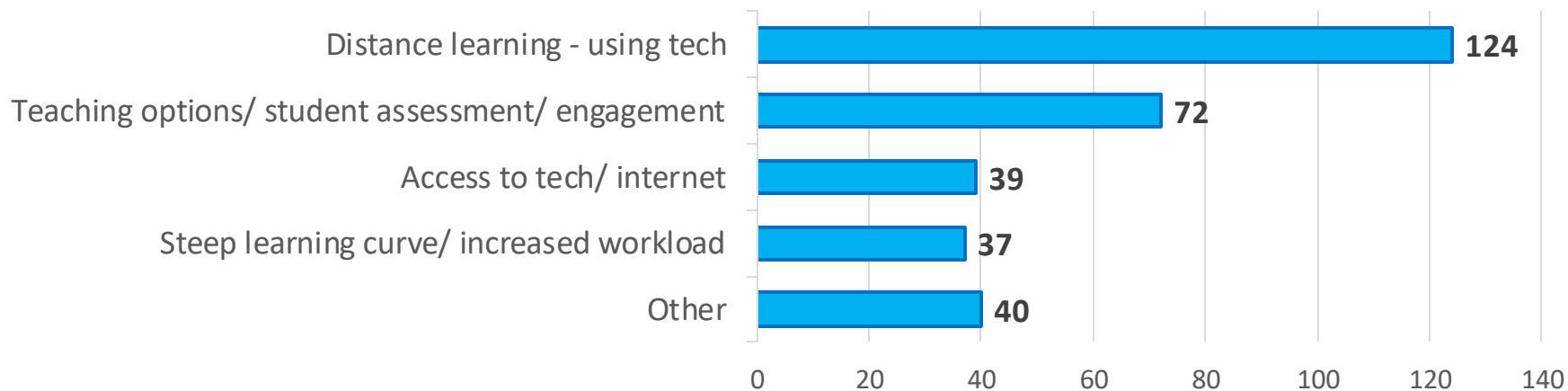
## Research Strategies



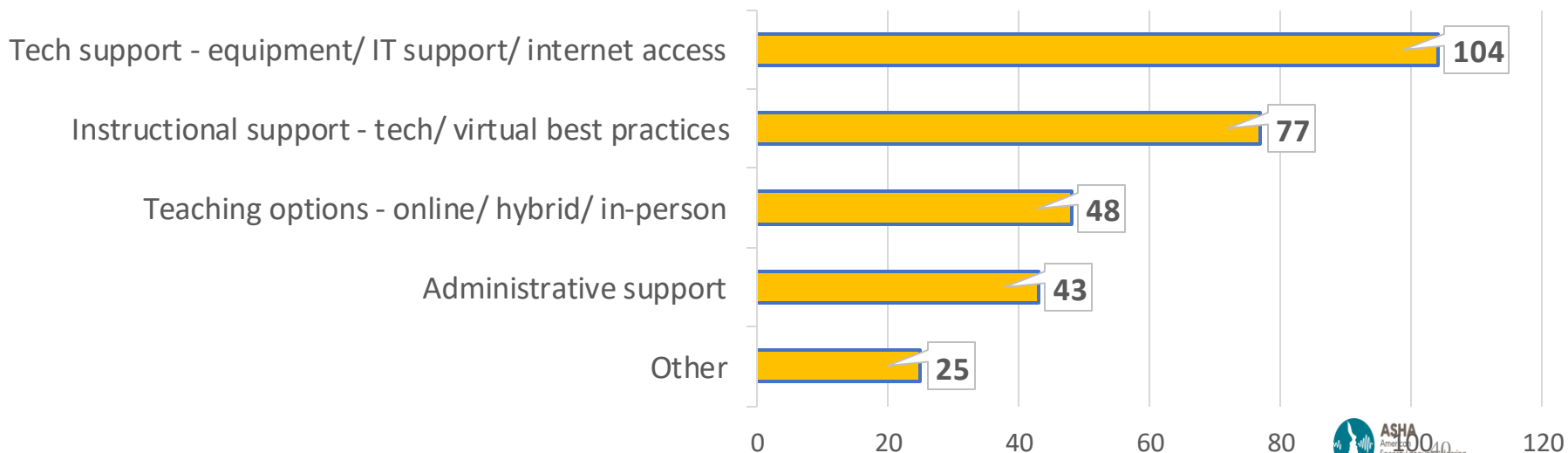
Source: 2020 CSD Educ

# Impact of COVID-19 Open-Ended Questions: Course Delivery

## Course Delivery Challenges



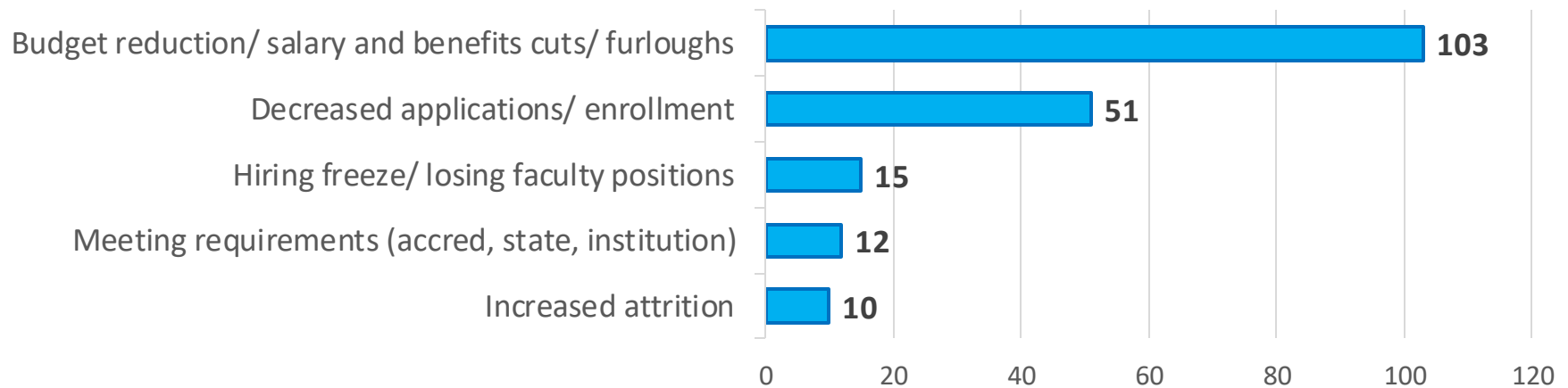
## Course Delivery Strategies



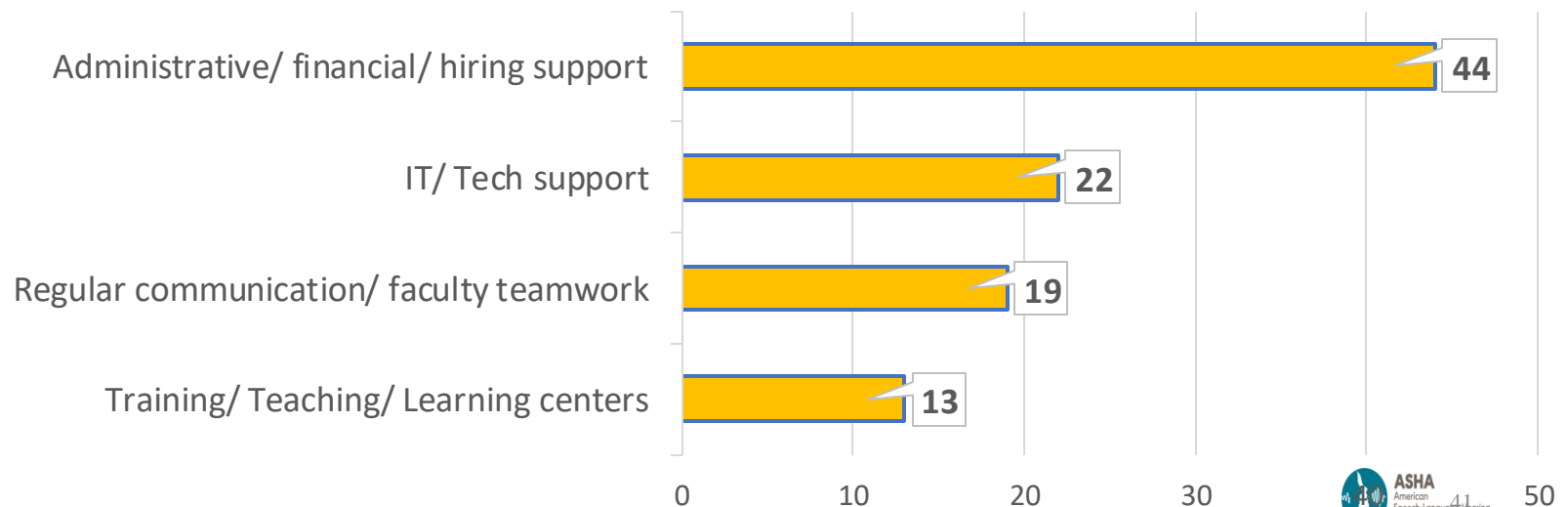


# Impact of COVID-19 Open-Ended Questions: Academic Program Administration

## Academic Program Administration Challenges

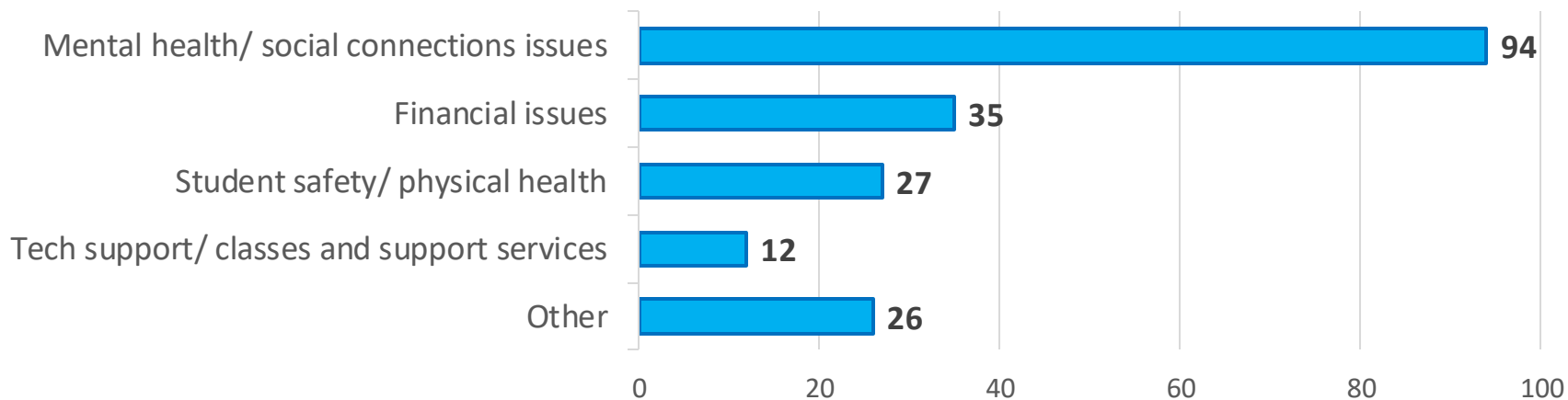


## Academic Program Administration Strategies

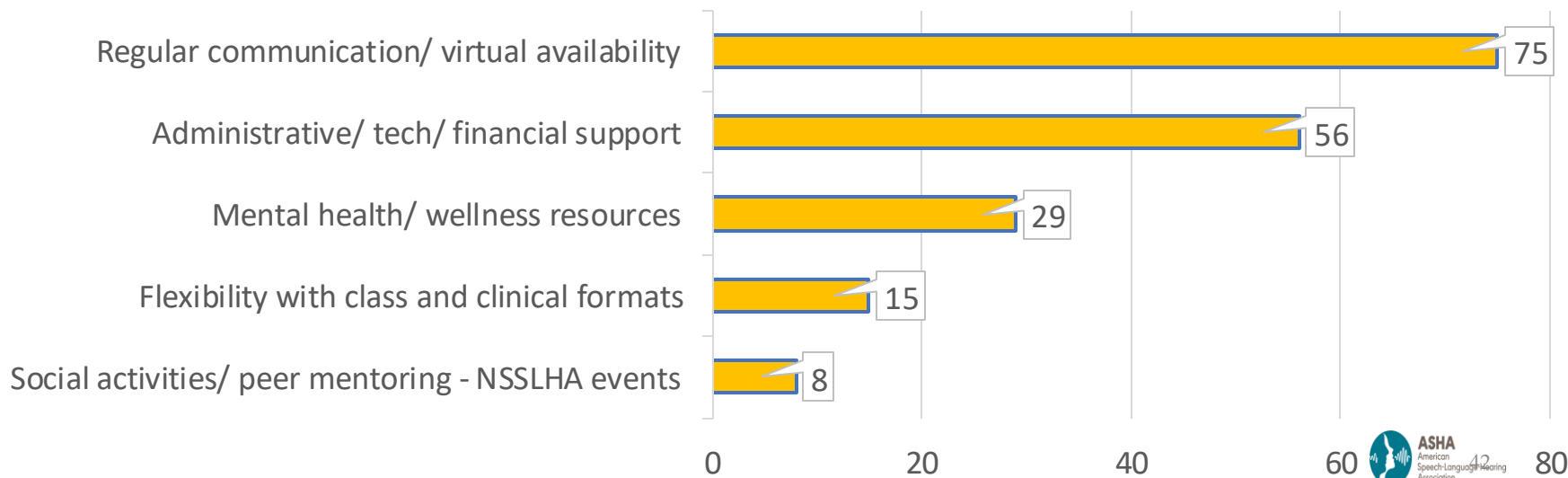


# Impact of COVID-19 Open-Ended Questions: Student Support

## Student Support Challenges



## Student Support Strategies



# Impact of COVID-19 Counts: Impact on Student Graduation

Area of Study and Degree Type	Number of			
	Existing Programs	Programs Responding	Programs That Reported Delays in Student Graduation Due to COVID-19	Students Whose Graduation Was Delayed
<b>Undergraduate</b>	272	250 (92%)	<b>9 (4%)</b>	14
<b>Audiology Clinical Doctorate</b>	80	74 (93%)	<b>2 (3%)</b>	2
<b>Speech-Language Pathology Master's</b>	290	275 (95%)	<b>58 (21%)</b>	220
<b>Research Doctorate</b>	83	78 (94%)	<b>7 (9%)</b>	11
<b>Total</b>	737	686 (93%)	<b>78 (11%)</b>	253

# Impact of COVID-19 Counts: Impact on Student Enrollment

Area of Study and Degree Type	Number of		Number of Programs That Enrolled:		
	Existing Programs	Programs Responding	More Than Expected Students in Fall 2020	Less Than Expected Students in Fall 2020	Expected Number of Students in Fall 2020
<b>Audiology Clinical Doctorate</b>	80	74 (93%)	3 (4%)	20 (27%)	51 (69%)
<b>Speech-Language Pathology Master's</b>	290	275 (95%)	27 (10%)	54 (20%)	194 (71%)
<b>Research Doctorate</b>	83	75 (90%)	2 (3%)	14 (19%)	59 (79%)
<b>Total</b>	465	433 (93%)	32 (7%)	89 (21%)	312 (72%)

# References

Council of Academic Programs in Communication Sciences and Disorders and American Speech-Language-Hearing Association. (2020). *CSD Education Survey National Aggregate Data Report: 2019–2020 Academic Year*. Retrieved from [www.asha.org](http://www.asha.org) and [www.capcsd.org](http://www.capcsd.org).

American Speech-Language-Hearing Association, *2020 Member and Affiliate Profile*. <https://www.asha.org/siteassets/surveys/2020-member-and-affiliate-profile.pdf> (accessed on 2/22/21)

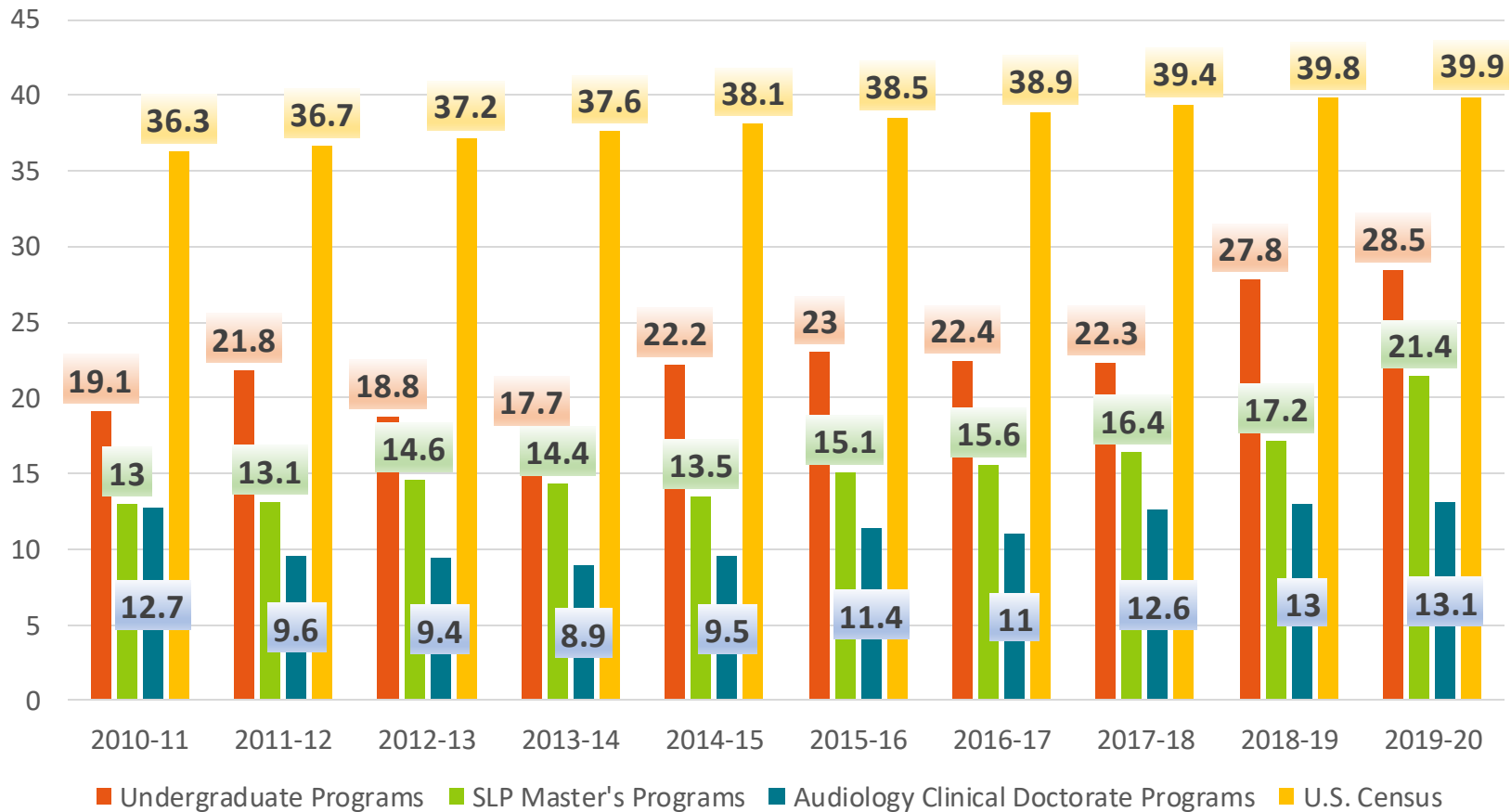
Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook*, Audiologists. <https://www.bls.gov/ooh/healthcare/audiologists.htm> (accessed on 2/22/21).

Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook*, Speech-Language Pathologists. <https://www.bls.gov/ooh/healthcare/speech-language-pathologists.htm> (accessed on 2/22/21).

# Addendum

# Minority Student Degrees Granted (%) – Trend Data

Undergraduate, Audiology Clinical Doctorate, and SLP Master's Programs Compared to the U.S. Population



# International and Minority Student Degrees Granted (%) – Trend Data

## Research Doctorate Programs Compared to U.S. Population

