



Demand for Higher-Education Programs

March 27th, 2024

Agenda

Why a Program Evaluation System?

Student Demand

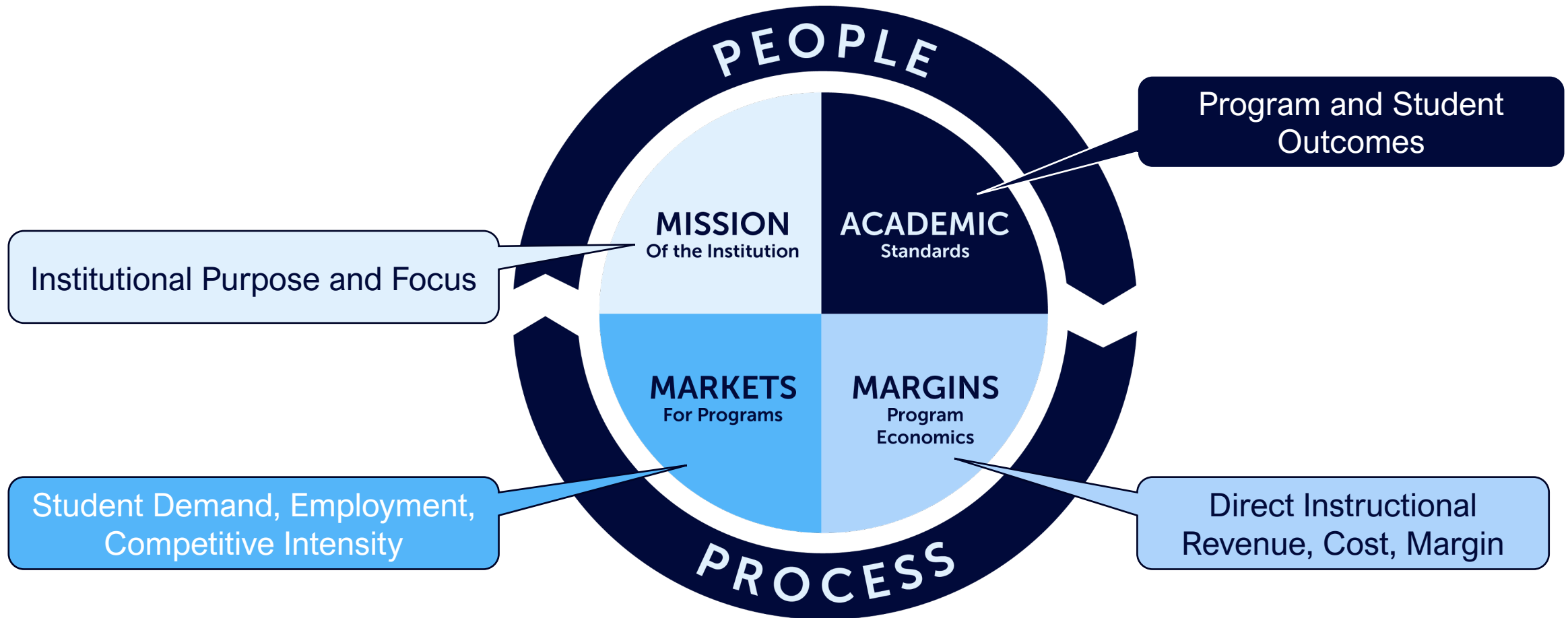
- Leading Indicators: Google
- Recent Trends: Enrollment
- Non-Degree Courses

National Employment: Current Indicators

Local Matters: Illinois, Massachusetts, Washington

Summary

An academic Program Evaluation System enables growth and sustainable financials.





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IPEDES, Enrollment, and Google Search: Past, Present, Future

Insights on Student Demand



IPEDES



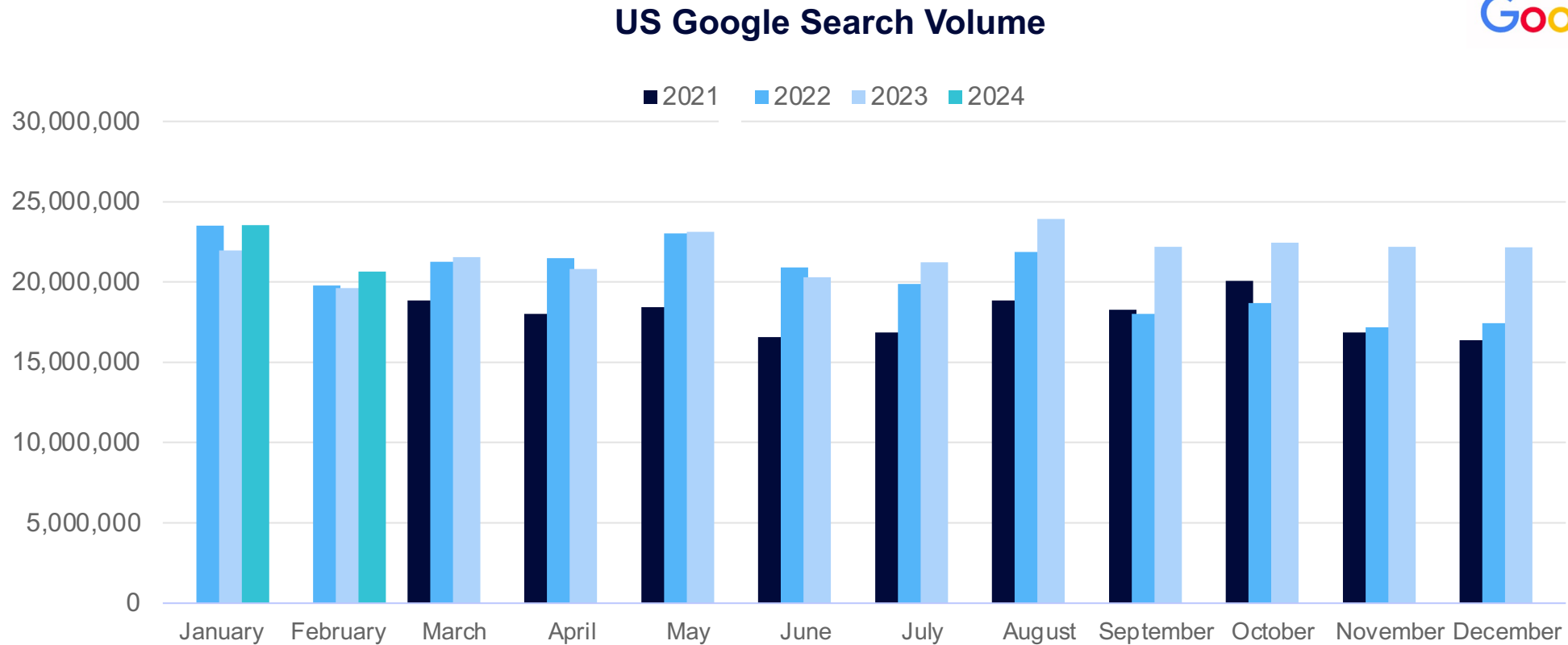
Enrollment



Google

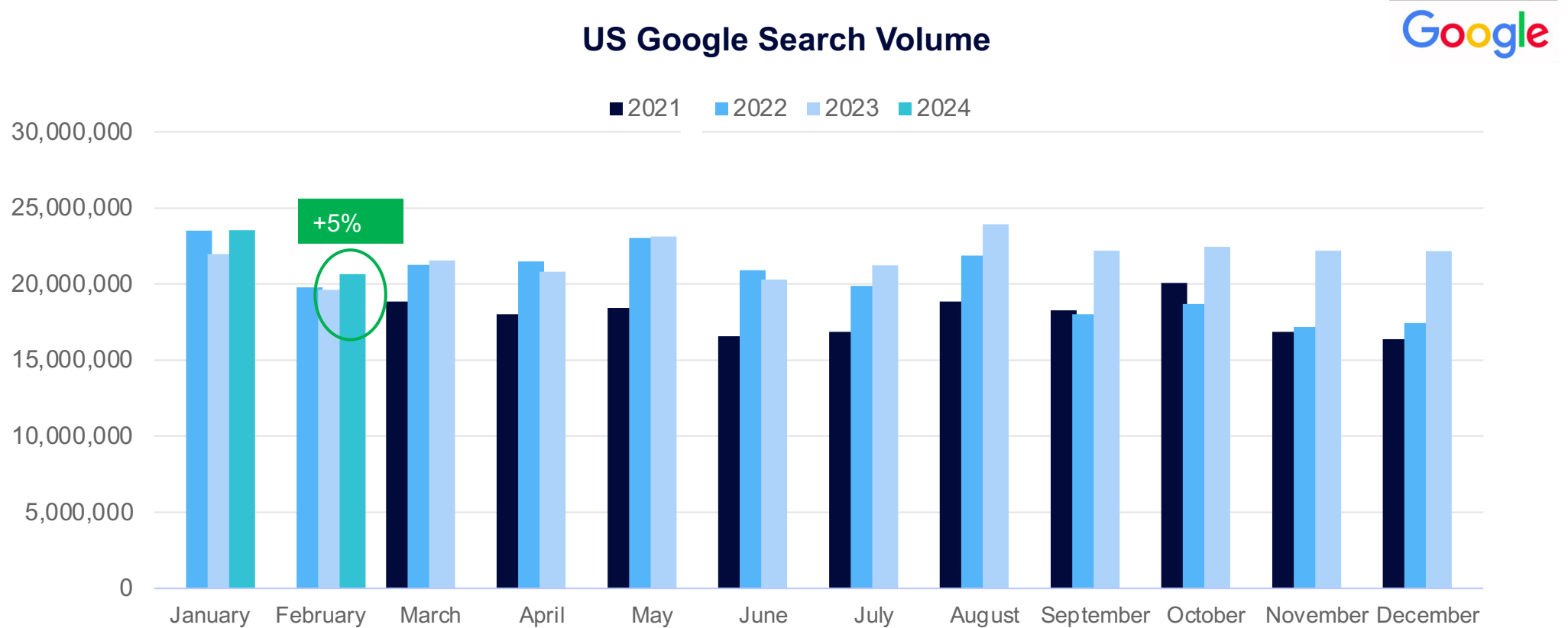
Google Search Trends: Programs

Gray tracks searches for over 900 programs (90% of all US completions).



Google Search Trends: Programs

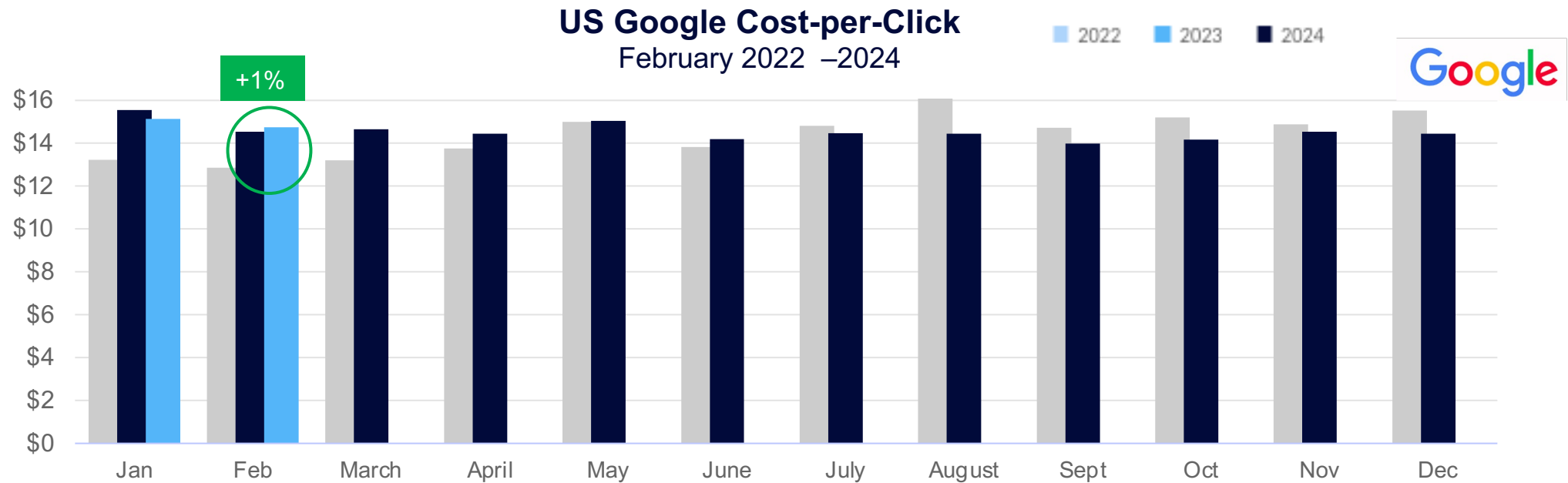
In February 2024, Google searches for academic programs grew 5% year-over-year.



Source: PES Keyword Search Dashboard

Google Search Trends: Cost-per-Click

In February 2024, the average Google cost-per-click increased 1% year-over-year.



| | | | | | | | | | | | | |
|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 2022 | \$13.22 | \$12.86 | \$13.21 | \$13.75 | \$15.00 | \$13.82 | \$14.81 | \$16.09 | \$14.73 | \$15.22 | \$14.89 | \$15.53 |
| 2023 | \$15.55 | \$14.53 | \$14.66 | \$14.46 | \$15.04 | \$14.18 | \$14.47 | \$14.44 | \$14.00 | \$14.16 | \$14.54 | \$14.45 |
| 2024 | \$15.13 | \$14.74 | | | | | | | | | | |



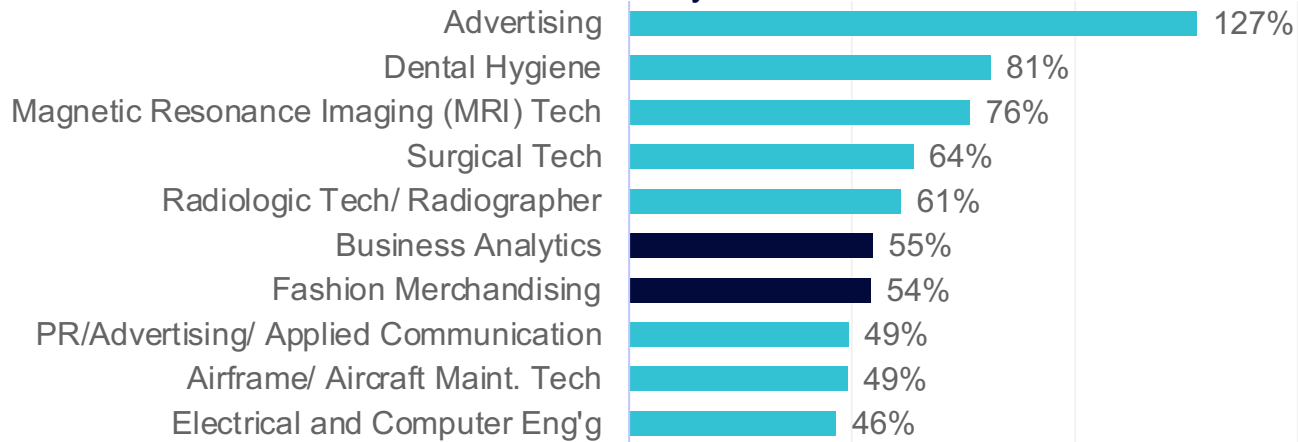
Google searches are volatile.

The fastest-growing keyword searches for programs change month to month.

- Look for trends over time. Demand can change quickly.
- Comparing February 2024 and September 2023 (trailing six months), only two programs overlap.

US Fastest-Growing Programs

February 2024 YoY

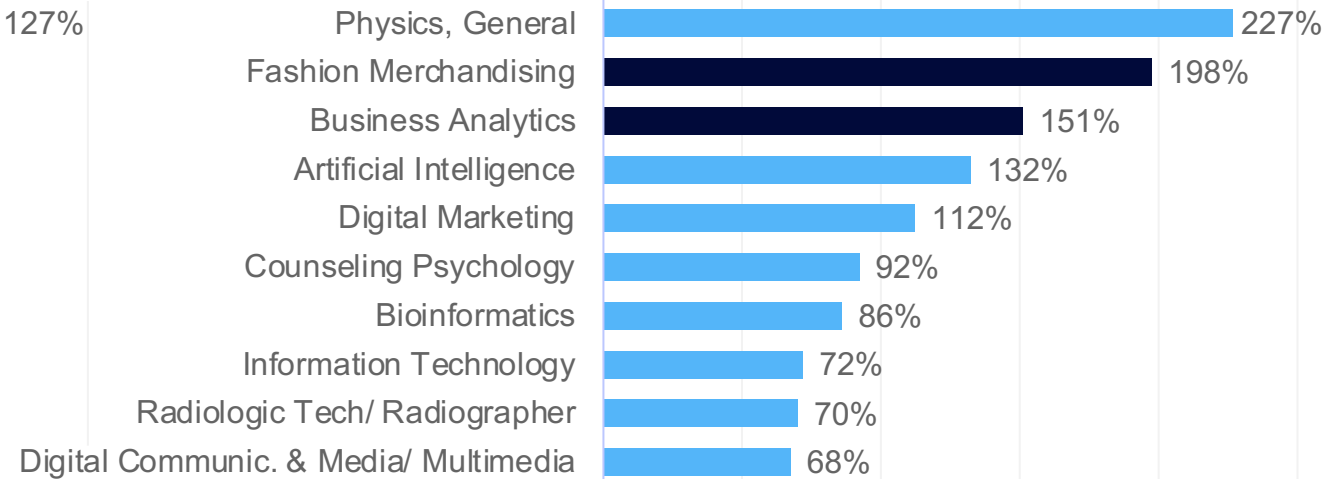


*Minimum 10,000 searches February 2023

Overlap

US Fastest-Growing Programs

September 2023 YoY



*Minimum 10,000 searches September 2023

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- **Leading Indicators: Google**
- **Recent Trends: Enrollment**
- **Non-Degree Courses**

National Employment: Current Indicators

Local Matters: Illinois, Massachusetts, Washington

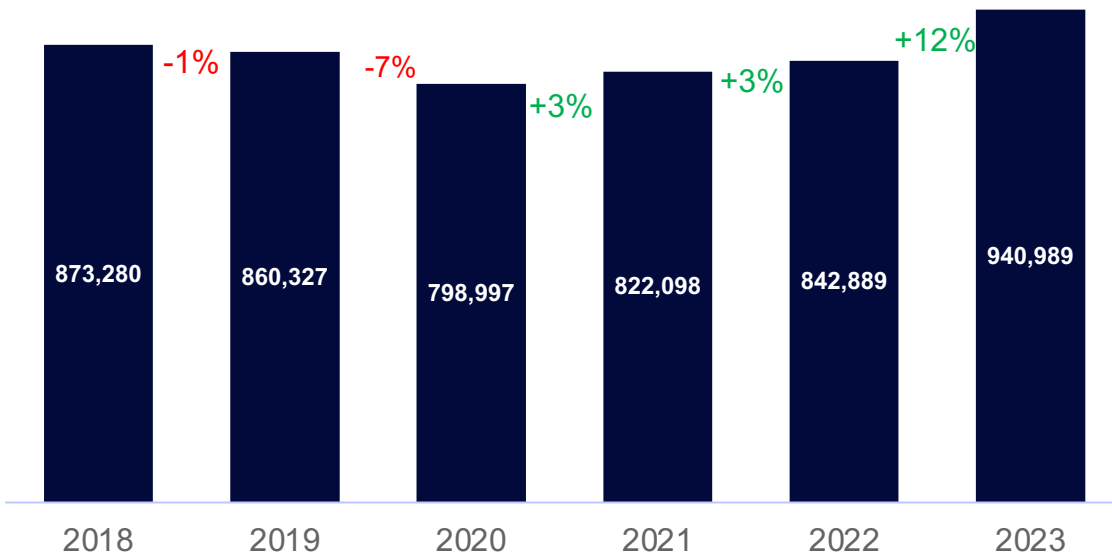
Summary

Fall Total Student Enrollment

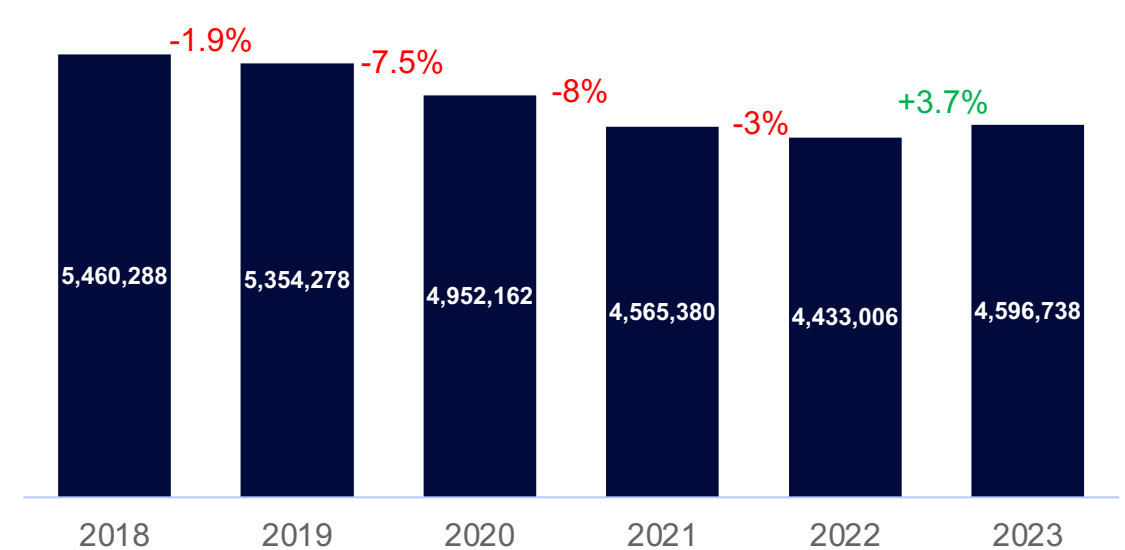
In Fall 2023, US total enrollment rose 12% for certificates and nearly 4% for associate degrees.

- Associate programs have finally stopped declining.

Total Fall Enrollment
Certificate 2018 - 2023



Total Fall Enrollment
Associate 2018 - 2023

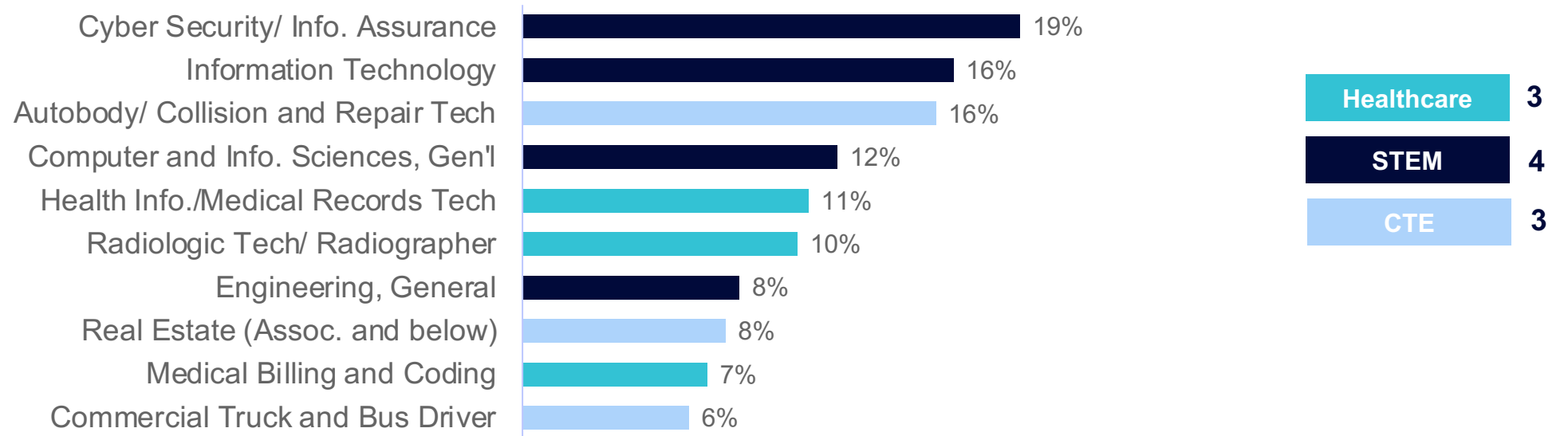


Certificate: US Fall 2023 Fastest-Growing Total Enrollment (five-year CAGR)

From Fall 2018 to Fall 2023, Cyber Security grew an average of 19% annually.

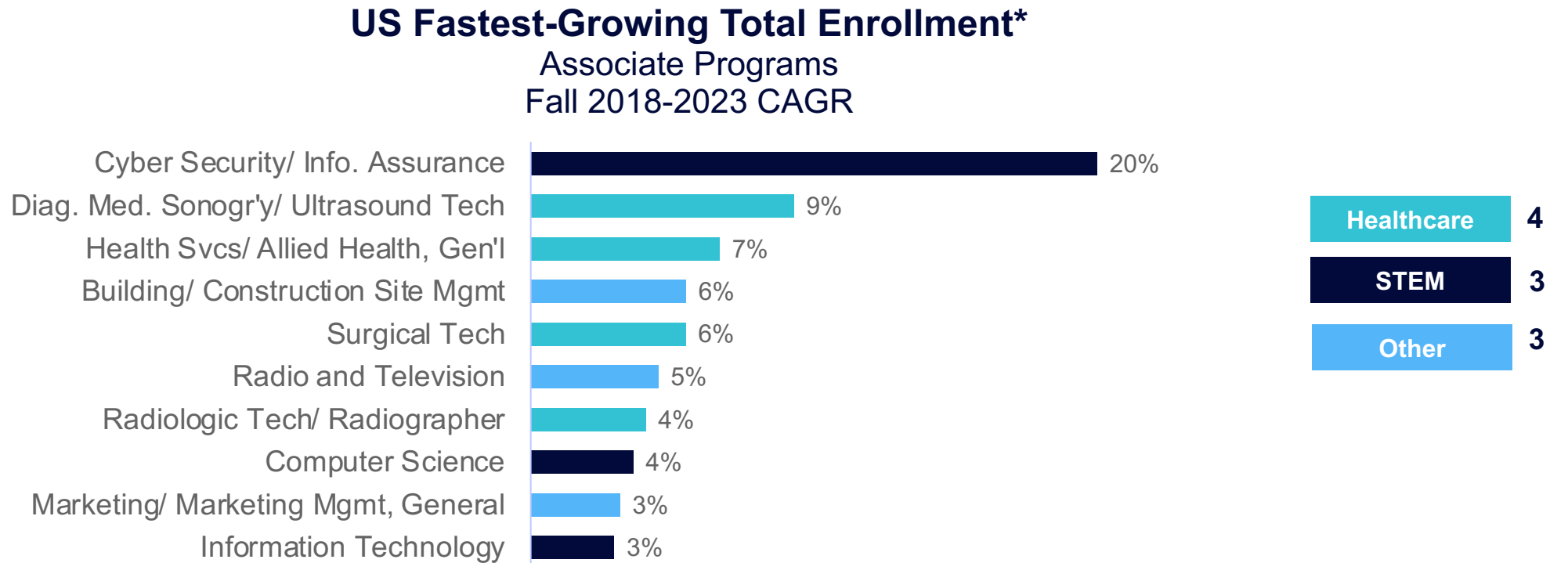
US Fastest-Growing Total Enrollment*

Certificate Programs
Fall 2018-2023 CAGR



Associate: US Fall 2023 Fastest-Growing Total Enrollment (five-year CAGR)

From Fall 2018 to Fall 2023, Cyber Security grew an average of 20% annually.



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National Employment: Current Indicators

Local Matters: Illinois, Massachusetts, Washington

Summary

Non-Degree Demand: Coursera

From February 2022 to 2024, Foundations: Data, Data, Everywhere added over 1.6 million learners.

Largest-Growing Courses by Unit Change
February 2022 to 2024



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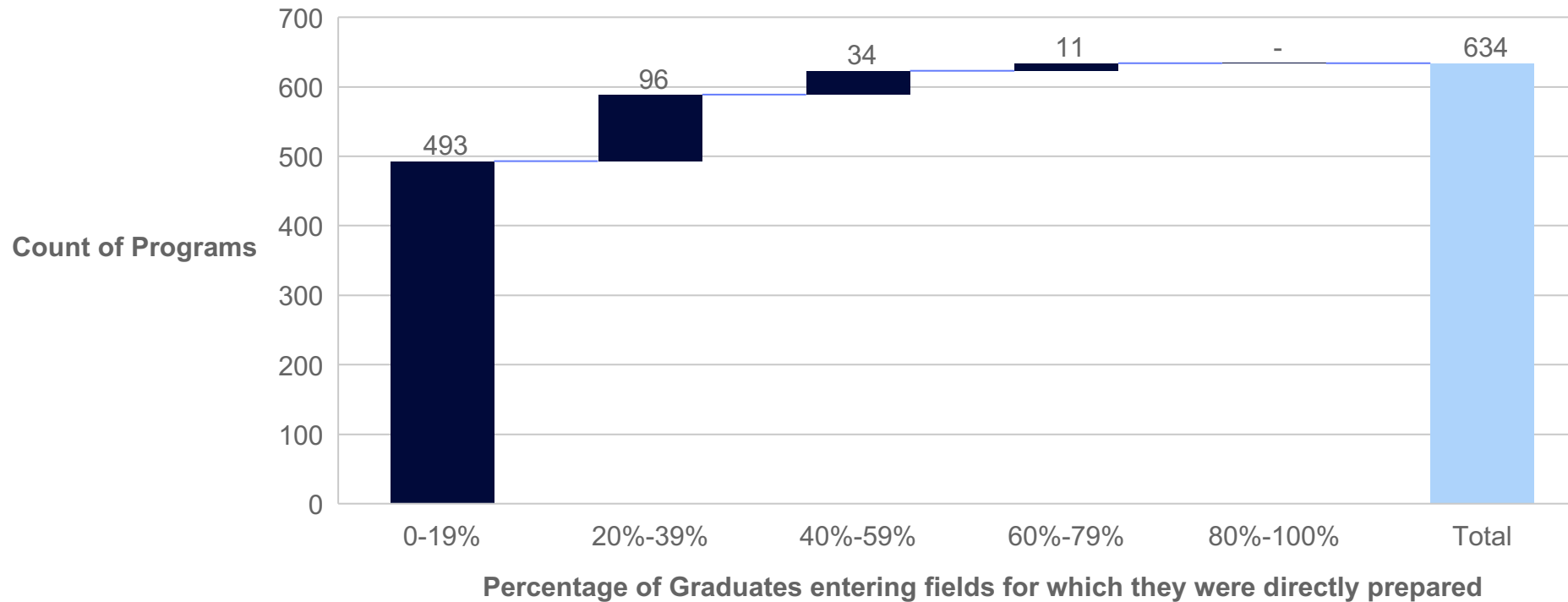
National Employment: Current Indicators

Local Matters: Illinois, Massachusetts, Washington

Summary

77% of programs place less than 20% of graduates in direct prep jobs.

Do Graduates Go into Fields for Which They Are Directly Prepared?



Commonly available data sources only count direct prep jobs.

Criminal Justice majors align with 10 occupations in a traditional direct prep construct.

- Gray DI data on over 72,000 Associate in Criminal Justice program graduates identifies 773 occupations.
- Criminal Justice graduates work in 147 industries and 88,752 companies.

Myth

NCES

Architectural and Civil Drafters

Correctional Officers and Jailers

Criminal Justice and Law Enforcement Teachers,
Postsecondary

Detectives and Criminal Investigators

First-Line Supervisors of Correctional Officers

First-Line Supervisors of Police and Detectives

Forensic Science Technicians

Life, Physical, and Social Science Technicians, All Other
Managers, All Other

Police and Sheriff's Patrol Officers

Reality

Highest Volume of Occupations Five Years Post-Entry

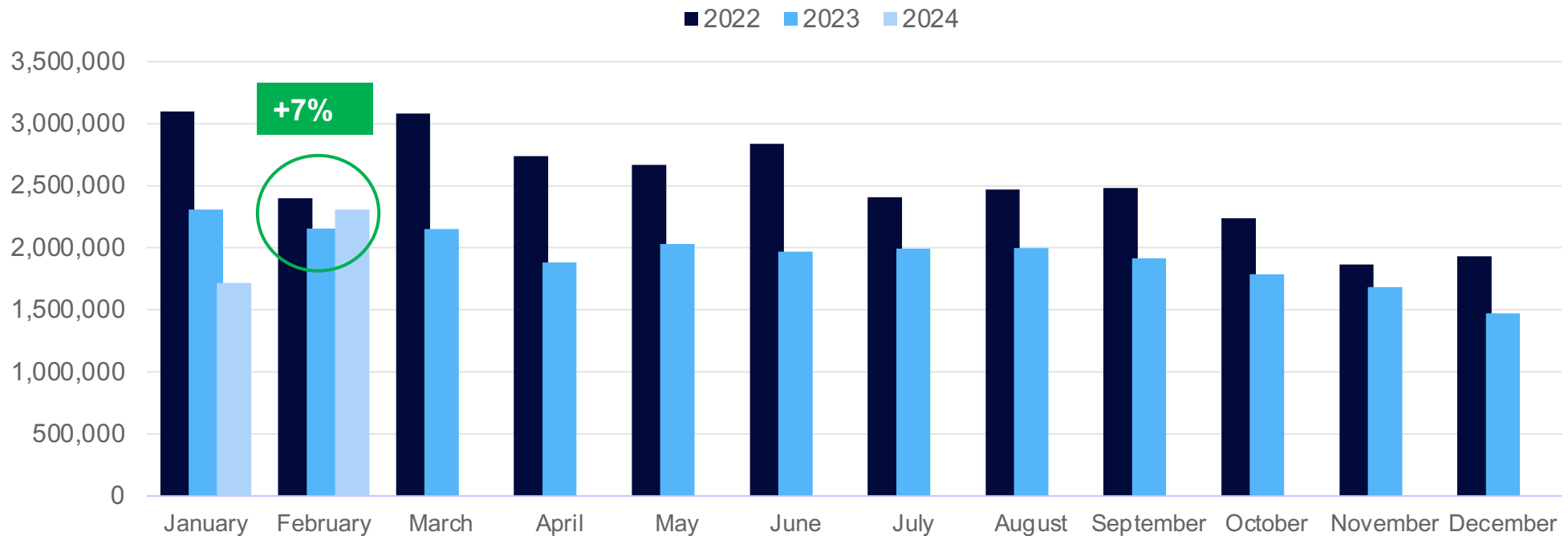
Associate in Criminal Justice



US Job Postings Trends

In February 2024, after over a year of decline, job postings grew 7% year-over-year.

US Job Postings 2022 - 2024

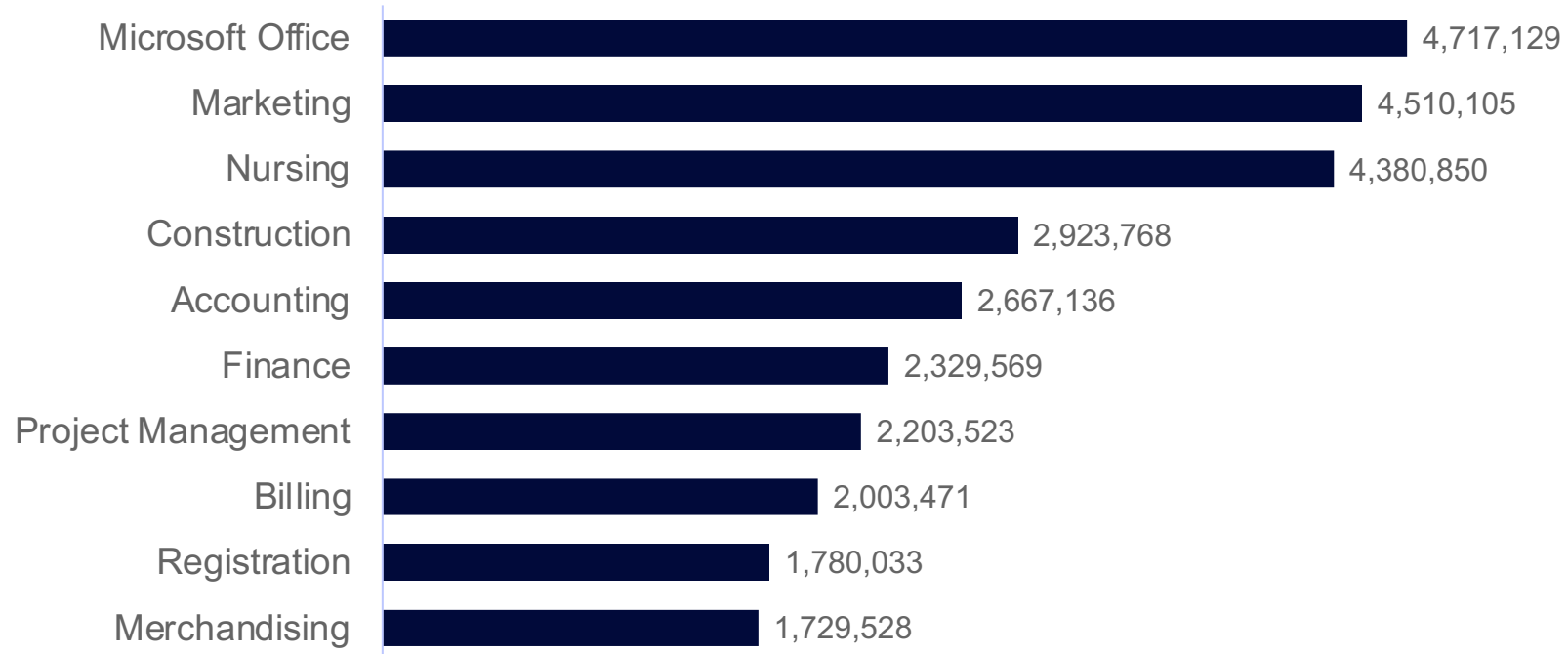


Source: PES Job Postings Dashboard

Which skills are most frequently listed in job postings?

Skills with the Highest Number of Job Postings*

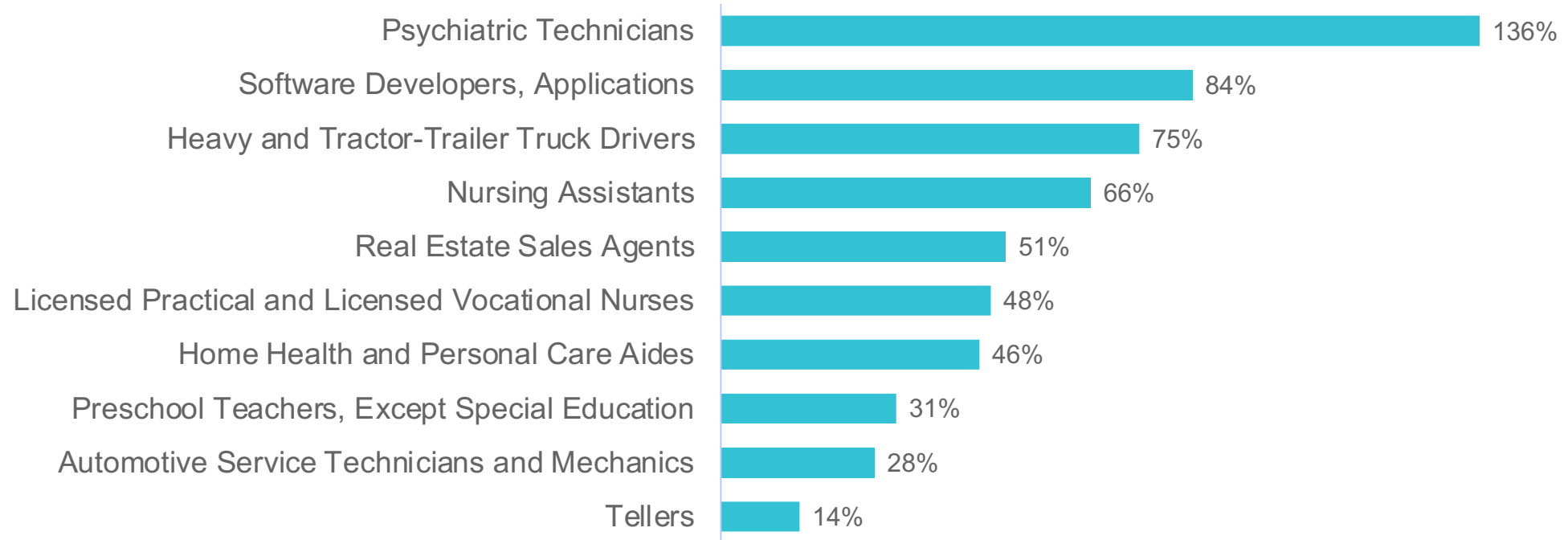
February 2024



*Excludes unskilled labor

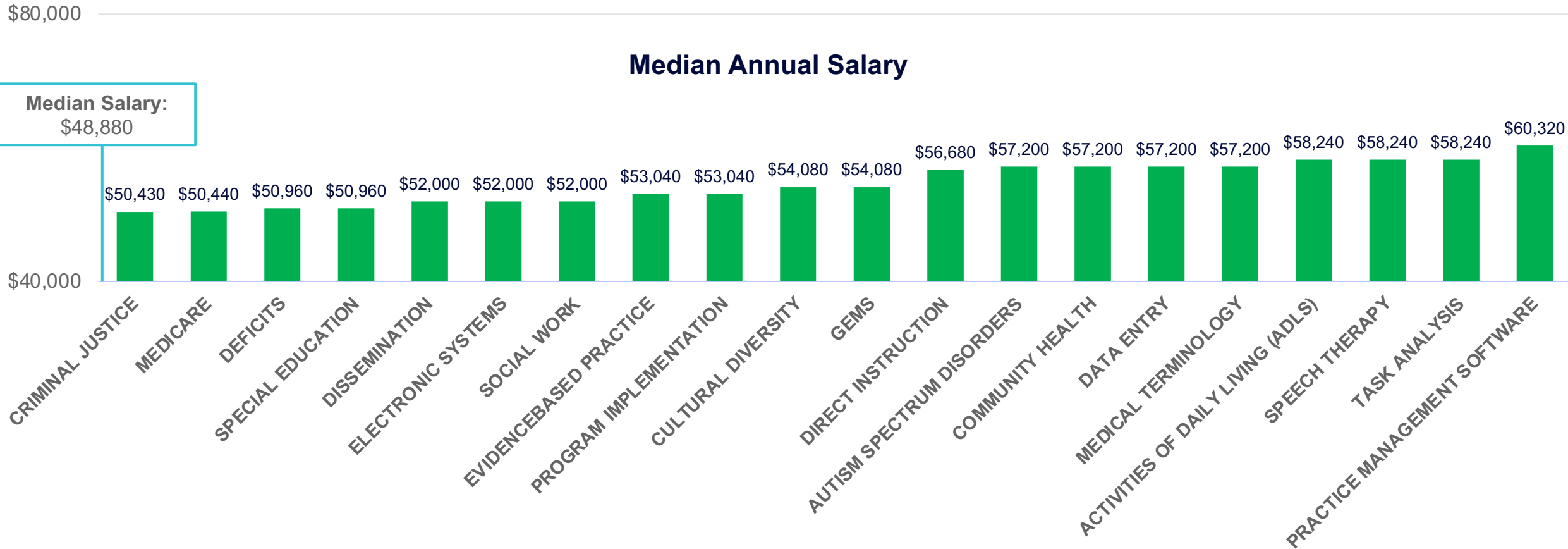
Which occupations have growing demand?

US Fastest-Growing Occupations* February 2024 YoY



*Minimum 5,000 jobs February 2024
Excludes unskilled labor

What skills are associated with higher wages for Psychiatric Technicians?



How do I validate a need I heard from an industry partner?

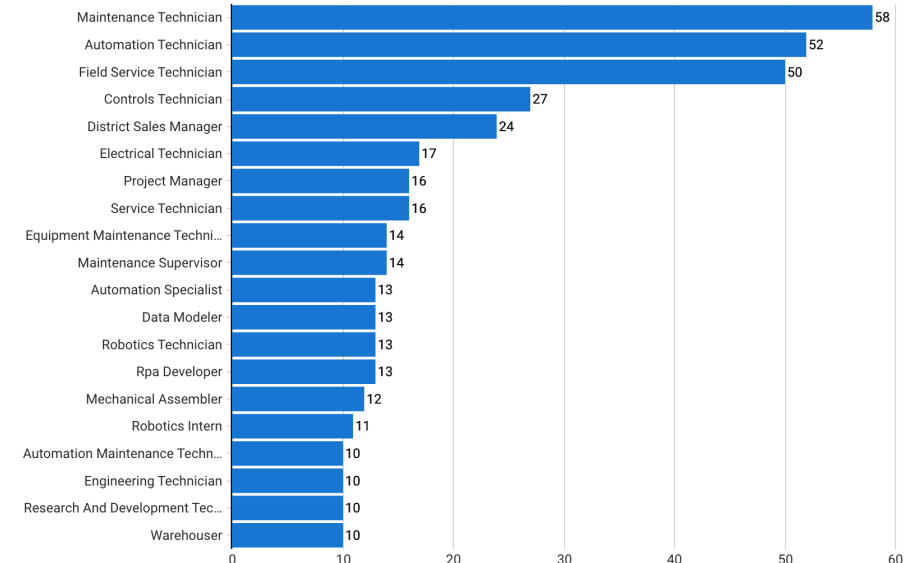
In some cases, you may need to evaluate niche or emerging areas; using job posting description searches can help.

- Up 87% year-over-year, there seems to be a sustained need for jobs that contain **robotics** and **automation** in the description in Texas.

Job Postings by Month and Year

| Job Postings | Year ▾ | | | |
|--------------|--------------|------------|------------|--------------|
| Month ▾ | 2022 | 2023 | 2024 | Total |
| January | 135 | 97 | 62 | 294 |
| February | 161 | 71 | 133 | 365 |
| March | 159 | 75 | | 234 |
| April | 146 | 69 | | 215 |
| May | 150 | 67 | | 217 |
| June | 207 | 62 | | 269 |
| July | 141 | 53 | | 194 |
| August | 116 | 73 | | 189 |
| September | 88 | 79 | | 167 |
| October | 75 | 64 | | 139 |
| November | 68 | 58 | | 126 |
| December | 60 | 52 | | 112 |
| Total | 1,506 | 820 | 195 | 2,521 |

Job Titles with the Highest Number of Postings



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- Non-Degree Courses

National Employment: Current Indicators

Local Matters: Illinois, Massachusetts, Washington

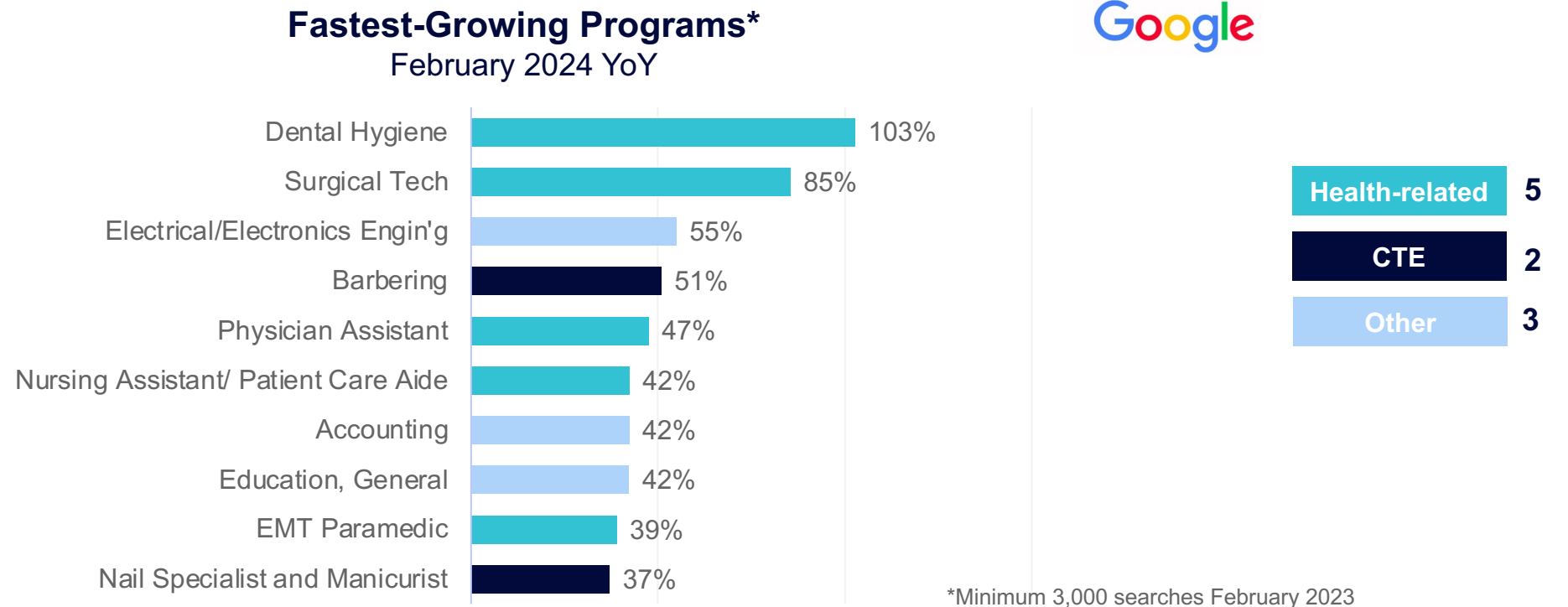
Summary



Illinois

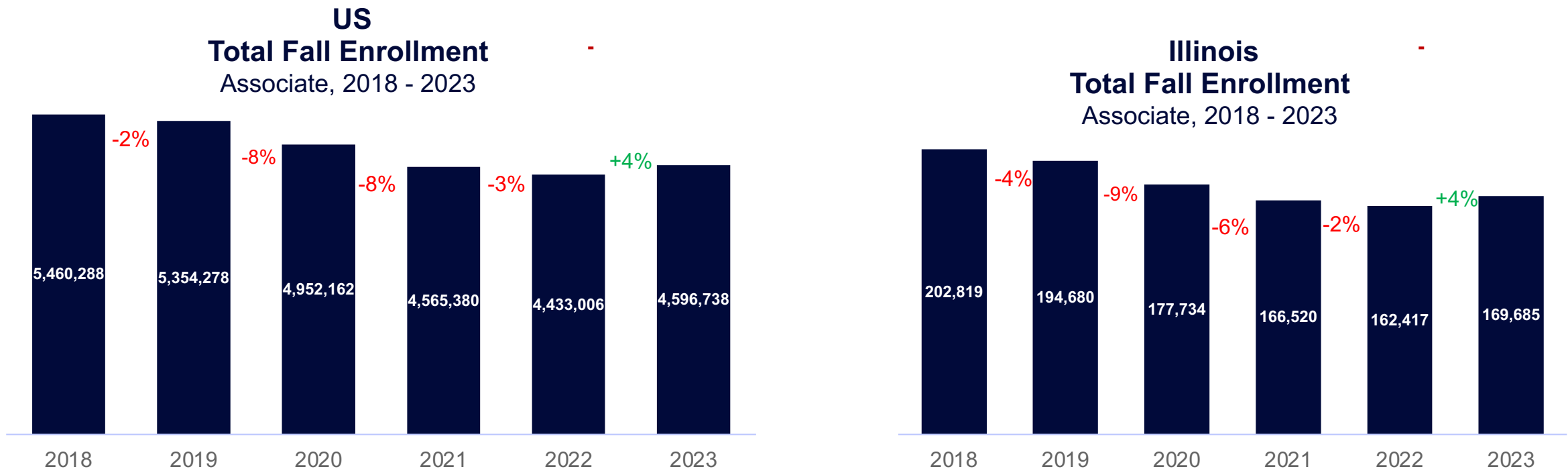
Google: Illinois Fastest-Growing Programs

In February, searches for Dental Hygiene increased 103% year-over-year.



State, county, and city data usually differ from national data.

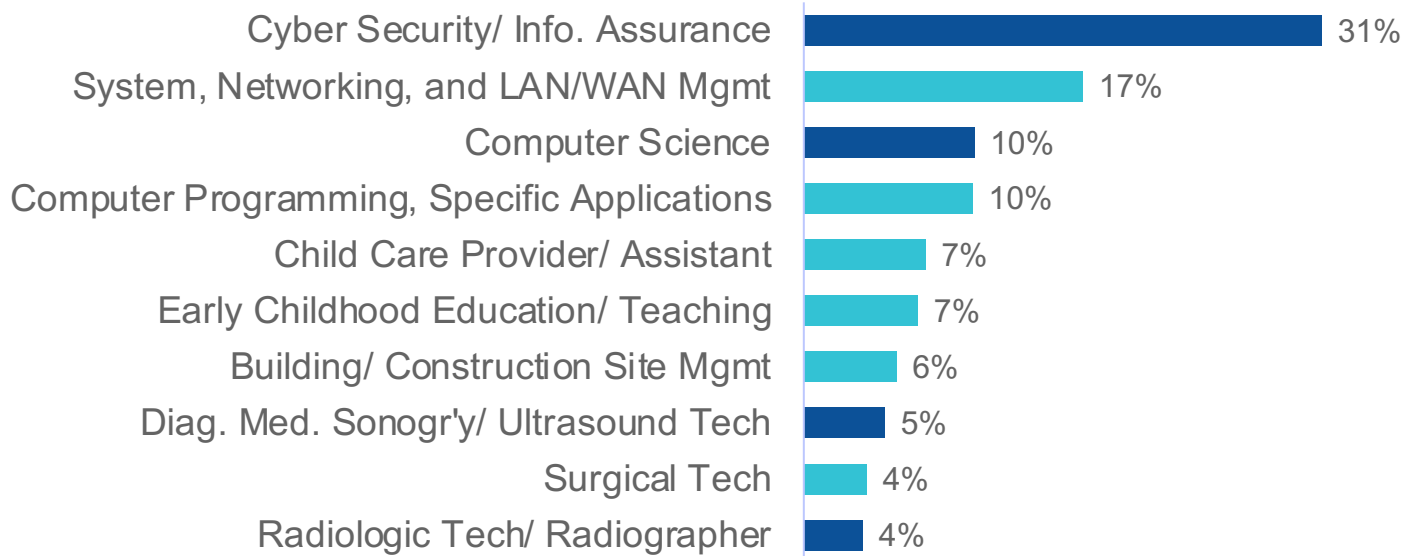
However, in both the US and Illinois, associate fall enrollment grew 4%.



Illinois: Five-Year Average Annual Fall Enrollment Growth

Four of the fastest-growing programs in IL overlapped with the national 10.

**Illinois
Fastest-Growing Total Enrollment***
Associate
Fall 2023 5-year CAGR

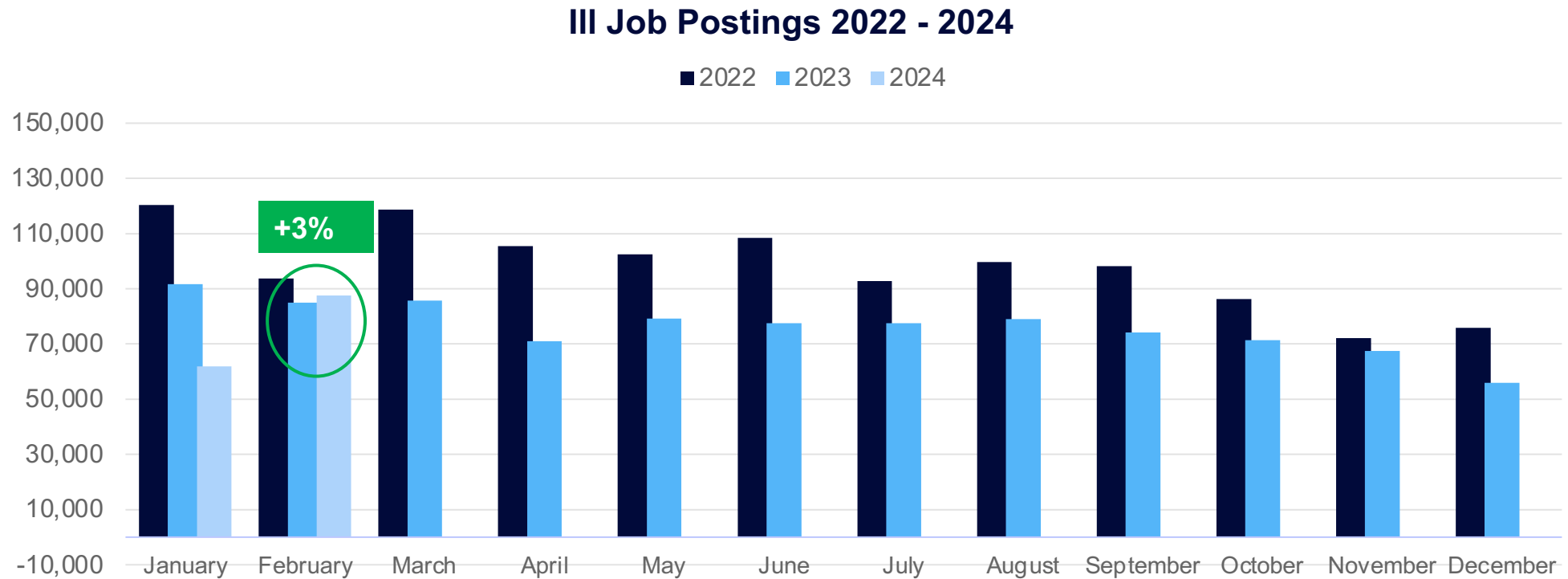


Overlap

| National 10 Fastest-Growing |
|--------------------------------------|
| Cyber Security/ Info. Assurance |
| Diag. Med. Sonogr'y/ Ultrasound Tech |
| Health Svcs/ Allied Health, Gen'l |
| Radiologic Tech/ Radiographer |
| Computer Science |
| Information Technology |
| Electrician |
| Psychology, General |
| Kinesiology and Exercise Science |
| Art/Art Studies, General |

Illinois Job Postings Trends

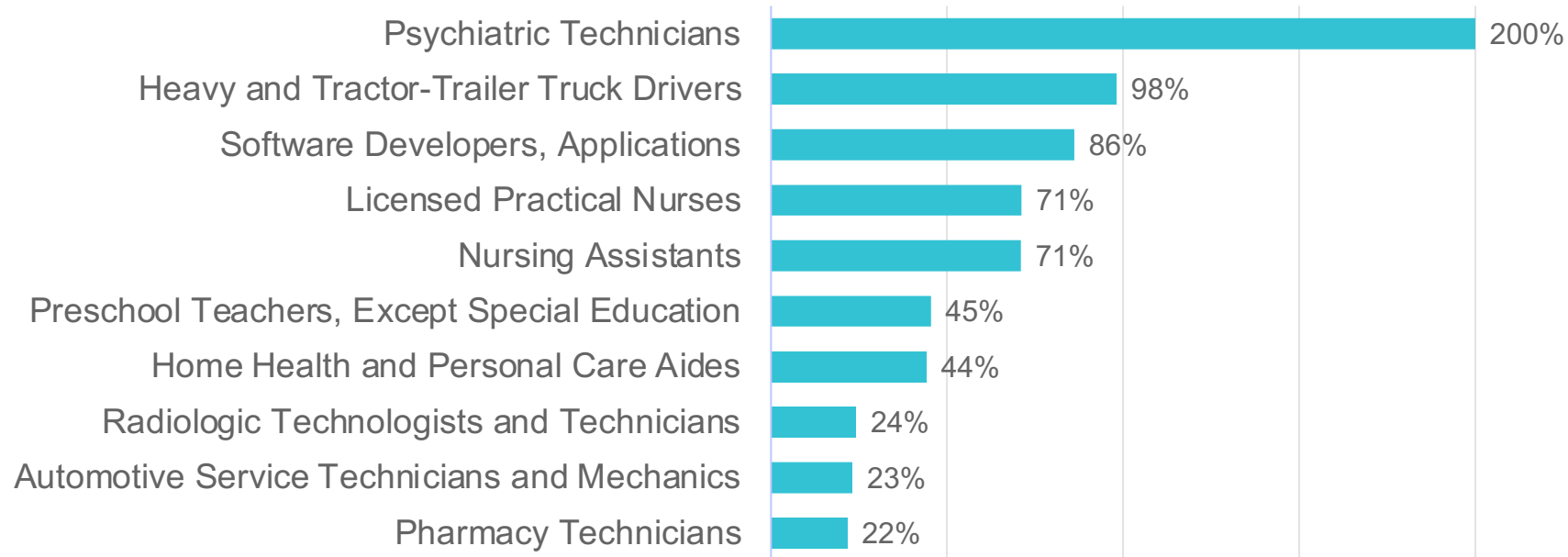
In February, Illinois job postings rose 3% across all degree levels.



Illinois Job trends

In February, Psychiatric Technicians grew 200% year-over-year.

Ill Fastest-Growing Occupations* February 2024 YoY



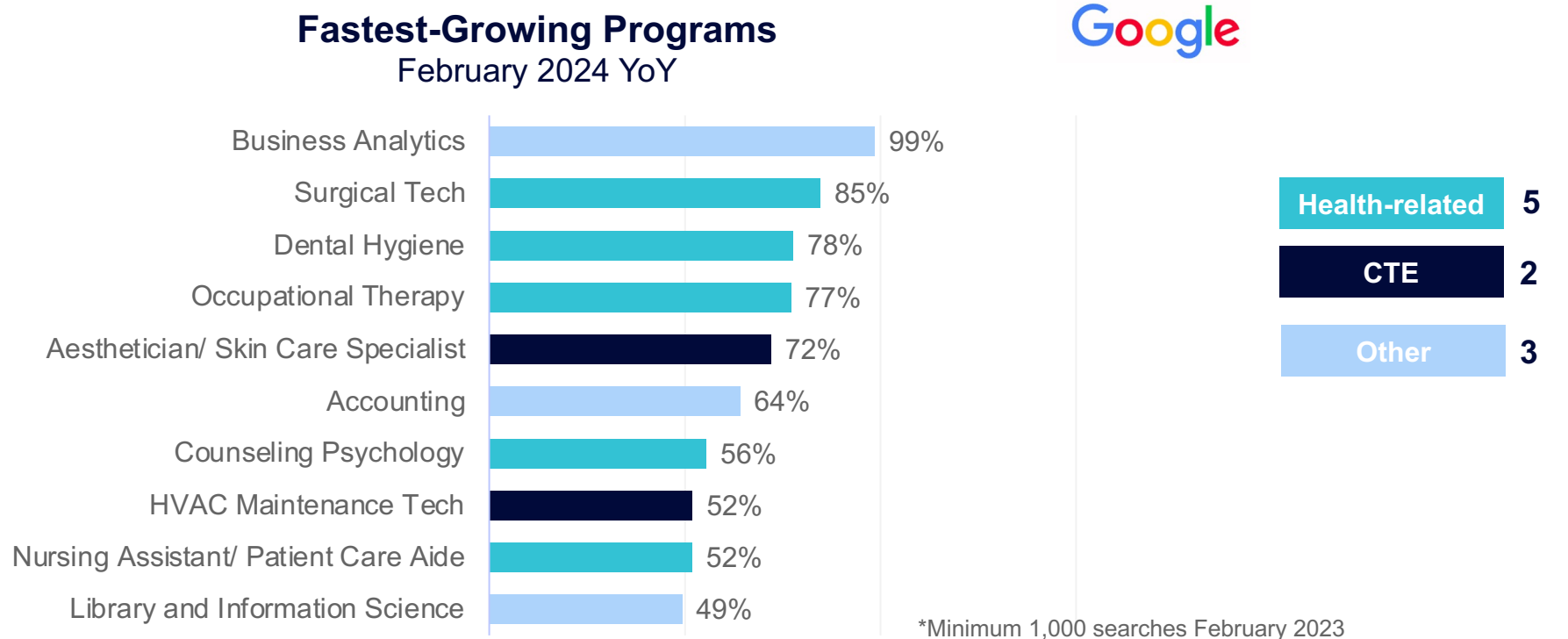
*Minimum 200 jobs February 2024
Excludes unskilled labor



Massachusetts

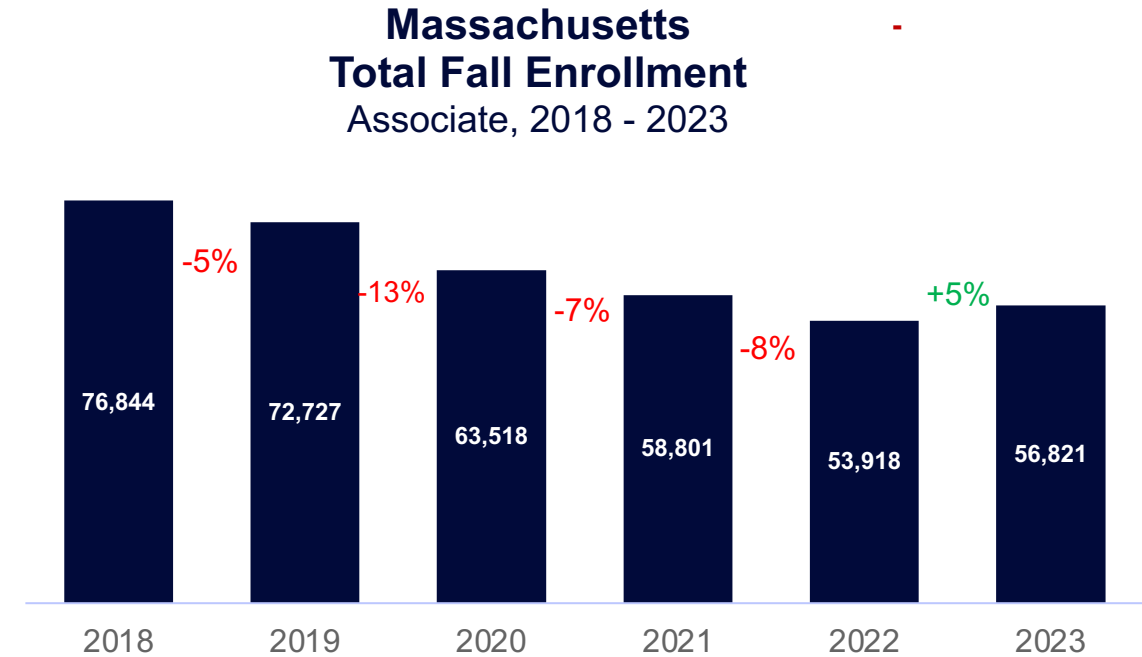
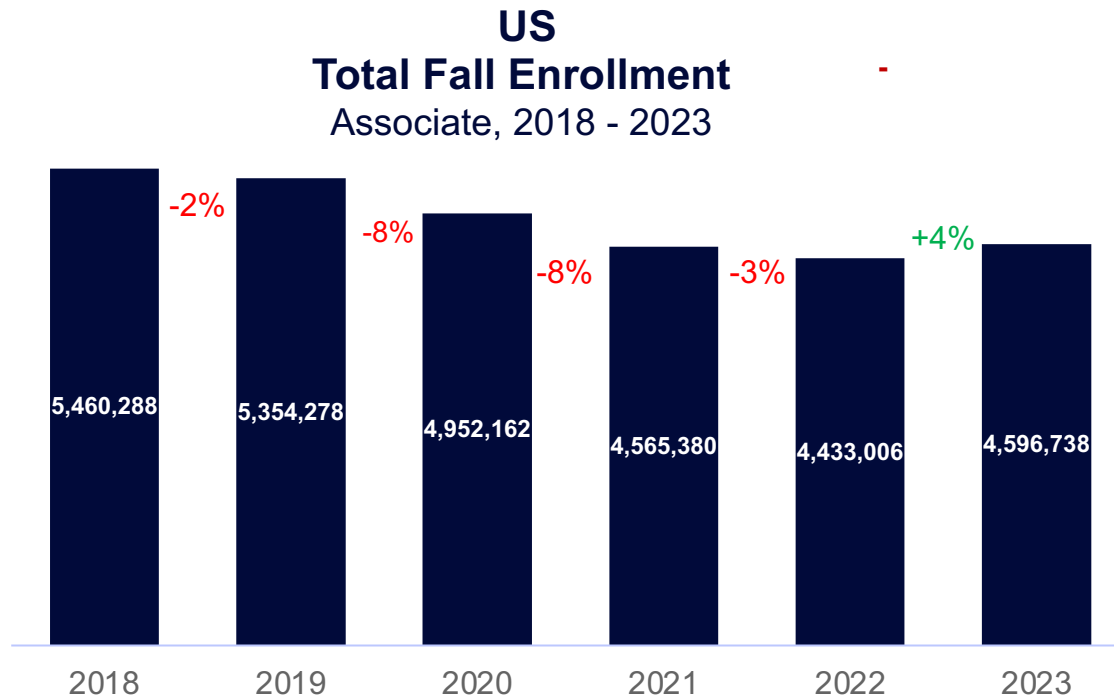
Google: Massachusetts' Fastest-Growing Programs

In February, searches for Business Analytics increased 99% year-over-year.



State, county, and city data usually differ from national data.

Massachusetts fall total enrollment fluctuated more than in the US.



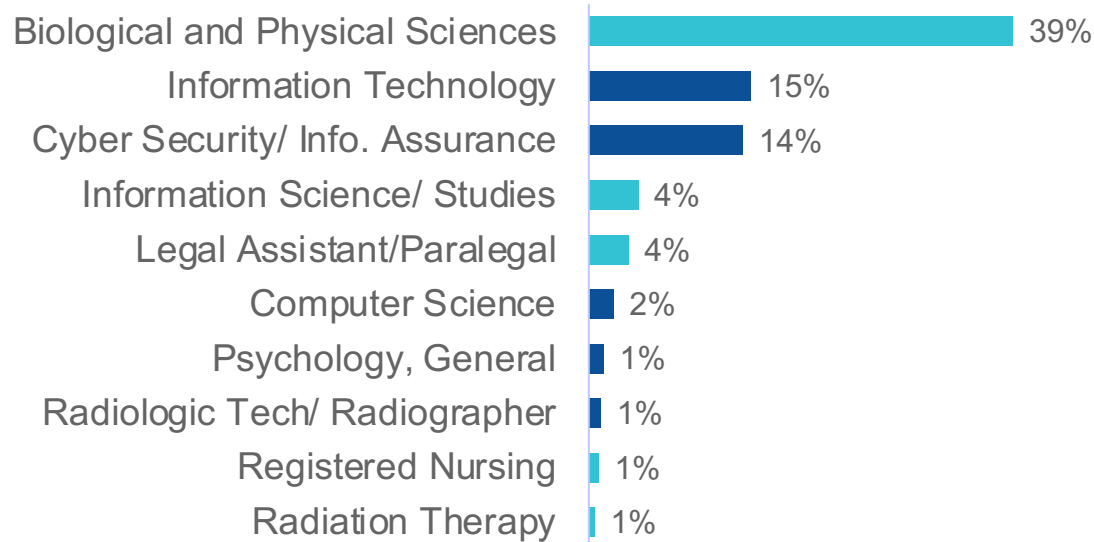
Source: PES Student Enrollment Dashboard

Massachusetts: Five-Year Average Annual Fall Enrollment Growth

Half of the fastest-growing programs in Massachusetts overlapped with the national 10.

Massachusetts Fastest-Growing Total Enrollment*

Associate
Fall 2023 5-year CAGR



Overlap

National 10 Fastest-Growing

Cyber Security/ Info. Assurance

Diag. Med. Sonogr'y/ Ultrasound Tech

Health Svcs/ Allied Health, Gen'l

Radiologic Tech/ Radiographer

Computer Science

Information Technology

Electrician

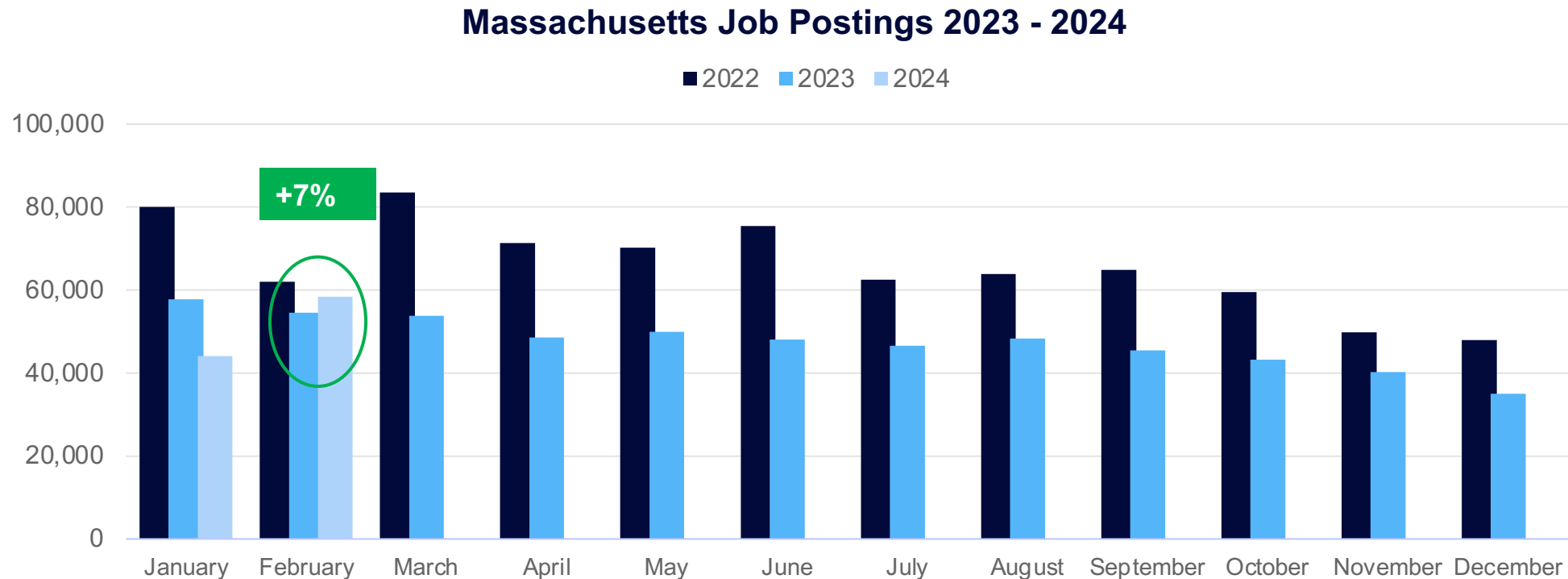
Psychology, General

Kinesiology and Exercise Science

Art/Art Studies, General

Massachusetts Job Postings Trends

In February 2024, Massachusetts job postings rose 7% year-over-year across all degree levels.

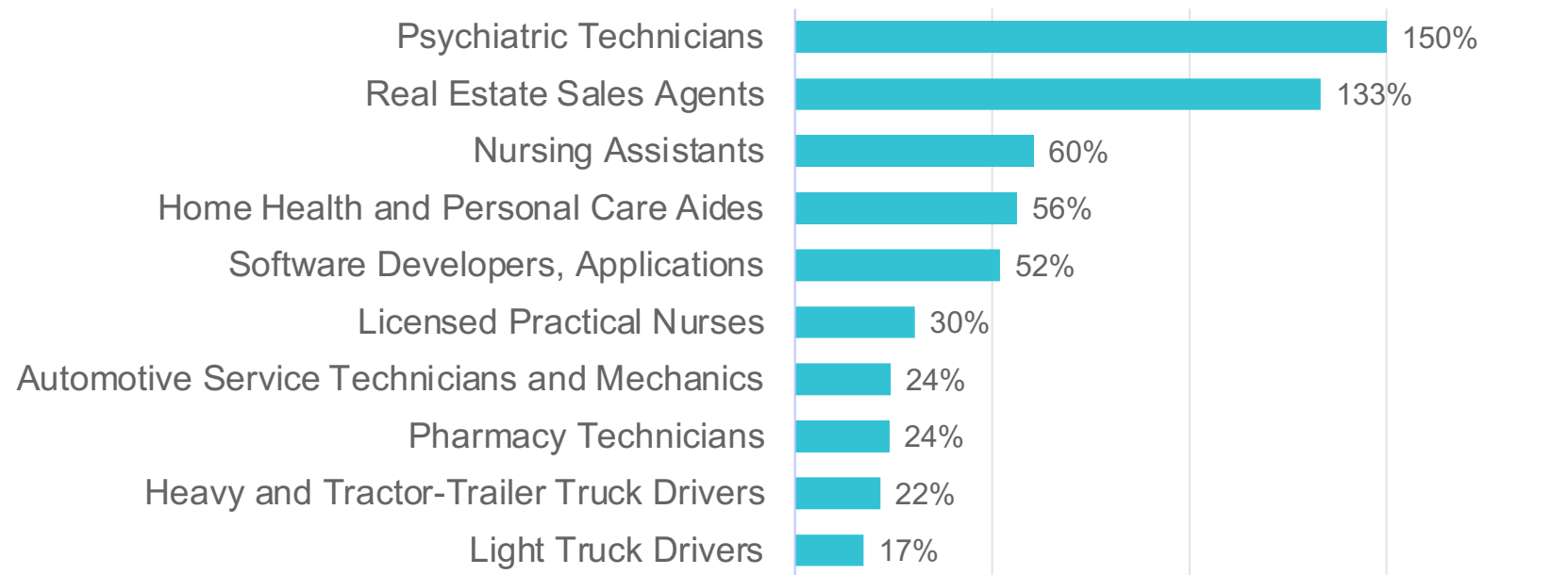


Source: PES Job Postings Dashboard

Jobs trends

In Massachusetts, Psychiatric Techs grew 150% year-over-year.

Massachusetts Fastest-Growing Occupations* February 2024 YoY



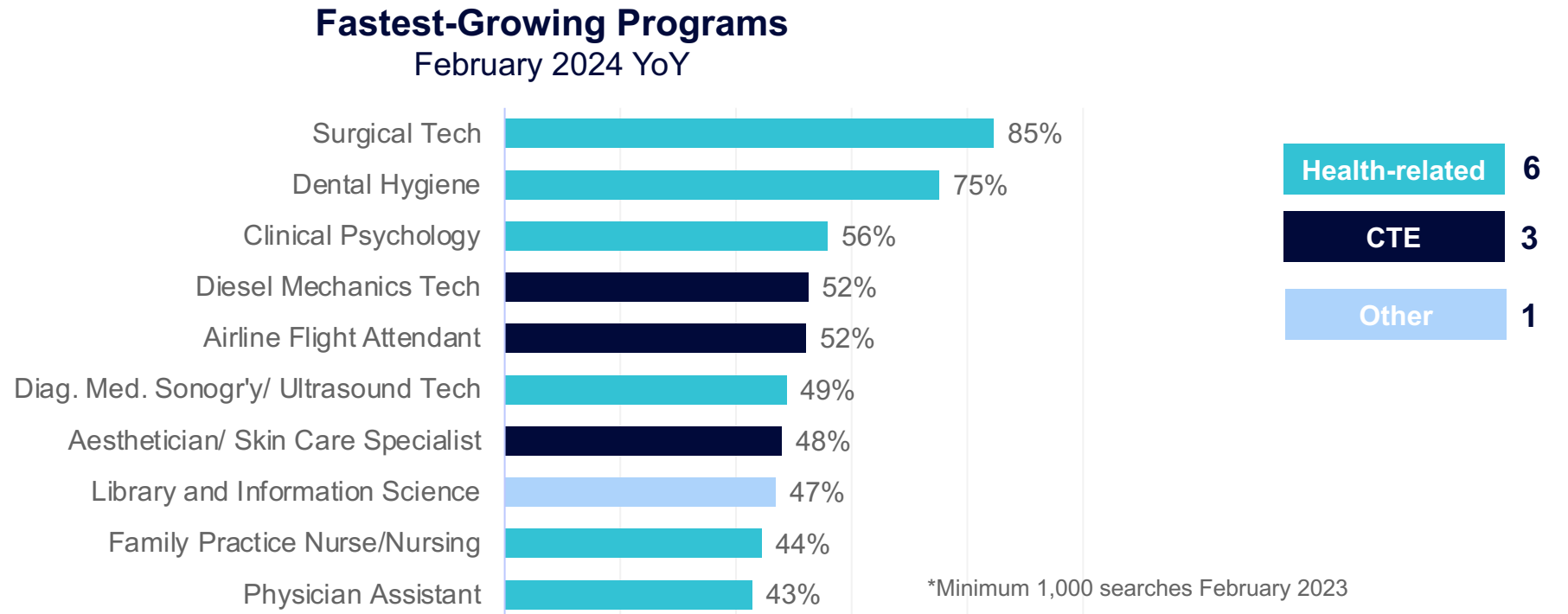
*Minimum 200 jobs February 2024
Excludes unskilled labor



Washington

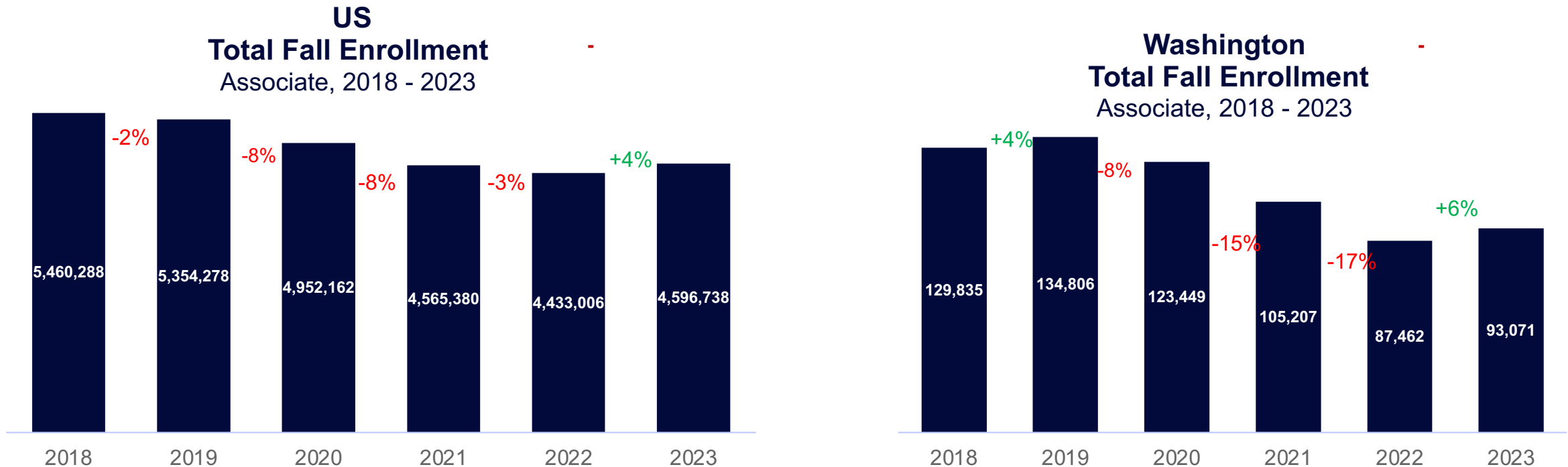
Google: Washington's Fastest-Growing Programs

In February, searches for Surgical Tech rose 85% year-over-year.



State, county, and city data can differ from national data.

Washington has had high fluctuations in fall enrollment.

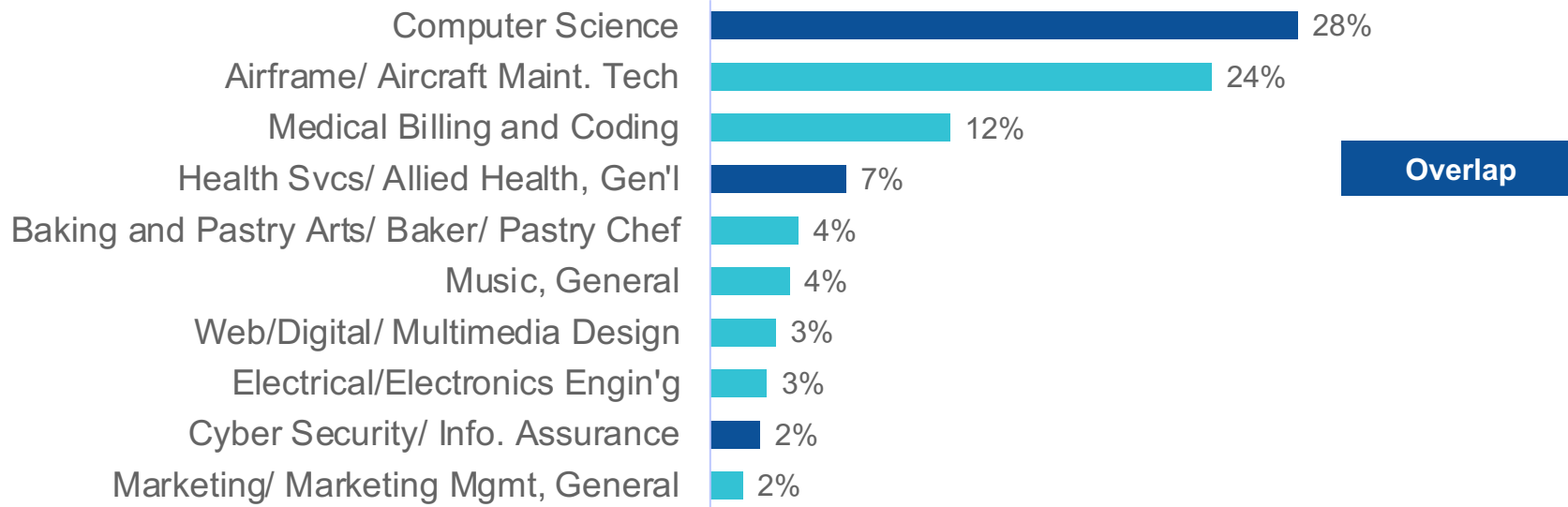


Washington: Five-Year Average Annual Fall Enrollment Growth

Three of the fastest-growing programs in Washington overlapped with the national 10.

Washington Fastest-Growing Total Enrollment*

Associate
Fall 2023 5-year CAGR

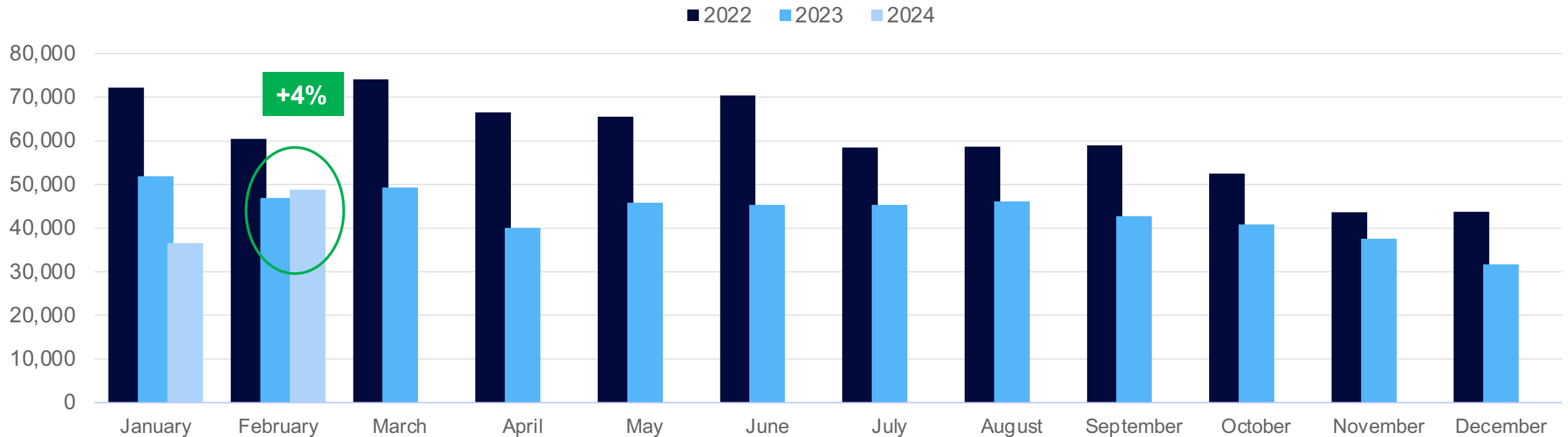


| National 10 Fastest-Growing |
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| Information Technology |
| Electrician |
| Psychology, General |
| Kinesiology and Exercise Science |
| Art/Art Studies, General |

Washington Job Postings Trends

In February 2024, Washington job postings rose 4% year-over-year across all degree levels.

WA Job Postings 2023 - 2024

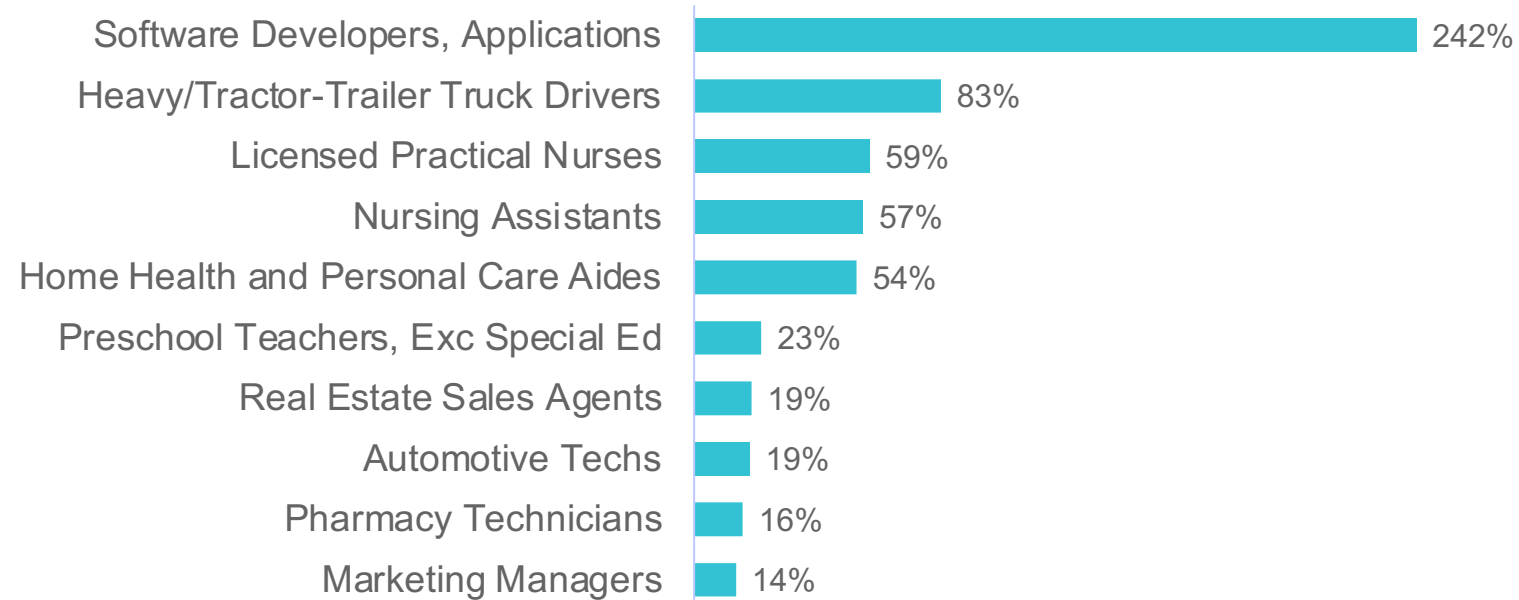


Source: PES Job Postings Dashboard

Washington Jobs trends

In February, Software Developers grew 242% year-over-year.

Washington Fastest-Growing Occupations* February 2024 YoY



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Excludes unskilled labor

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Summary

- In February, Google searches for academic programs rose 5% year-over-year.
 - Advertising program searches grew by 127%.
 - Google cost-per-click rose 1%.
- Fall certificate enrollment is up 12% year-over-year.
 - Associate enrollment rose almost 4%.
- Cybersecurity enrollment grew 19% annually at the certificate level.
 - It grew 20% at the associate level.
- In February, after more than a year of decline, US job postings rose 7% year-over-year.
- Most traditional labor market sources rely on direct prep crosswalks.
 - Associate in Criminal Justice grads go into 733 occupations – not 10.
 - The fastest-growing national job posting was for Psychiatric Technicians.
- Academic program data can vary significantly by state.

Upcoming webinars

| Topic | Date |
|--|--|
| Demand Trends Webcast: Community Colleges | Wednesday April 24 rd at 2 PM ET |
| Demand Trends Webcast: Bachelor's and Above | Thursday April 25 nd at 2 PM ET |

The Book on Program Evaluation and Management



Podcast

Listen on Spotify



Listen on Apple

