Understanding Data for Student Success

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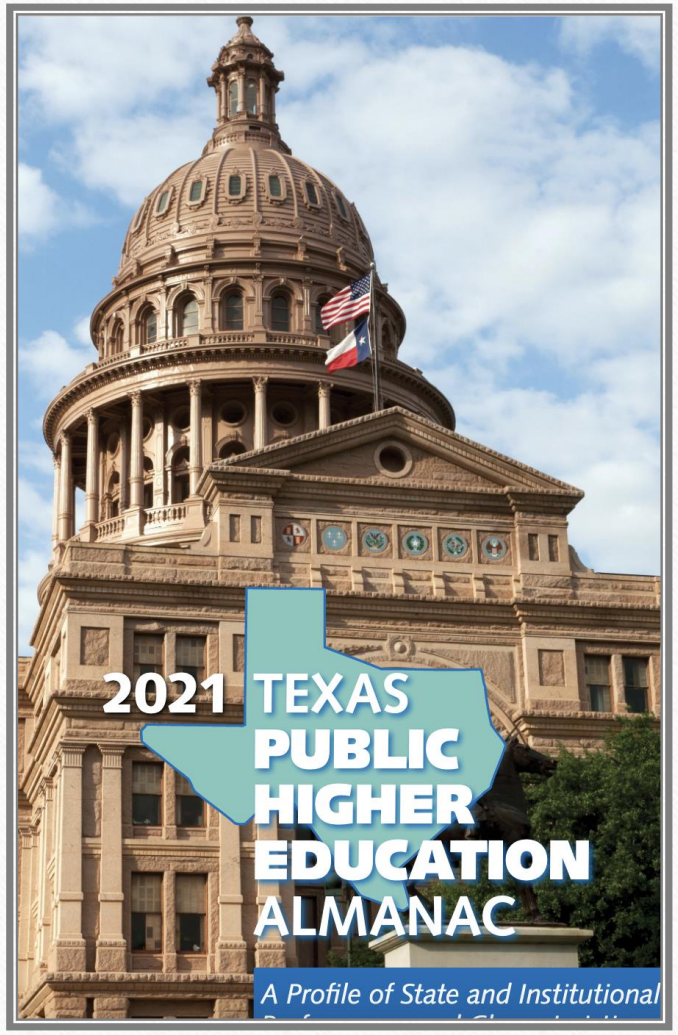
CCATT New Trustee Orientation
January 27, 2023

Data Sources

- Your president and college staff
- Texas Higher Education Coordinating Board
- Texas Success Center
- IPEDS (Federal database)
- Postsecondary Employment Outcome Explorer (Census Data)



Texas Higher Education Coordinating Board

How does the Texas Success Center think about data?

- We provide actionable data to all colleges
- Data privacy and security is paramount
- Certain data can be visualized on accessible dashboards
- Data should inform college discussions about practice and policy

TEXAS PATHWAYS

Learners From Multiple Entry Points

Connect

Easily shop and select career-focused pathways that include industry-based certificates within the metamajor

Enter

Onboard with a clear initial completion plan which could span less than 6 months

Progress

Gain skills and work-related experiences in all programs

Succeed

Complete credentials in high-demand occupations aligned with further education without the loss of time or credit

Enter Good Careers with Living Wages & Further Education Plan

A Statewide Systemic Strategy that Starts with Students' End Goals.

Texas Pathways

Four Pillars of Essential Practices

1. Map Paths to Student End Goals

- Multiple entry points
- Default program maps
- Completion, further education, employment
- Guides through transitions and transfer

2. Help Students Choose and Enter a Program Path

- College readiness in 1st year
- Career exploration
- Early contextualization
- Accelerated remediation for most poorly prepared

3. Keep students on paths

- Strong, inescapable advising
- Clarity for education and career choices
- Predictable schedules
- Early intervention
- Academic and non-academic support

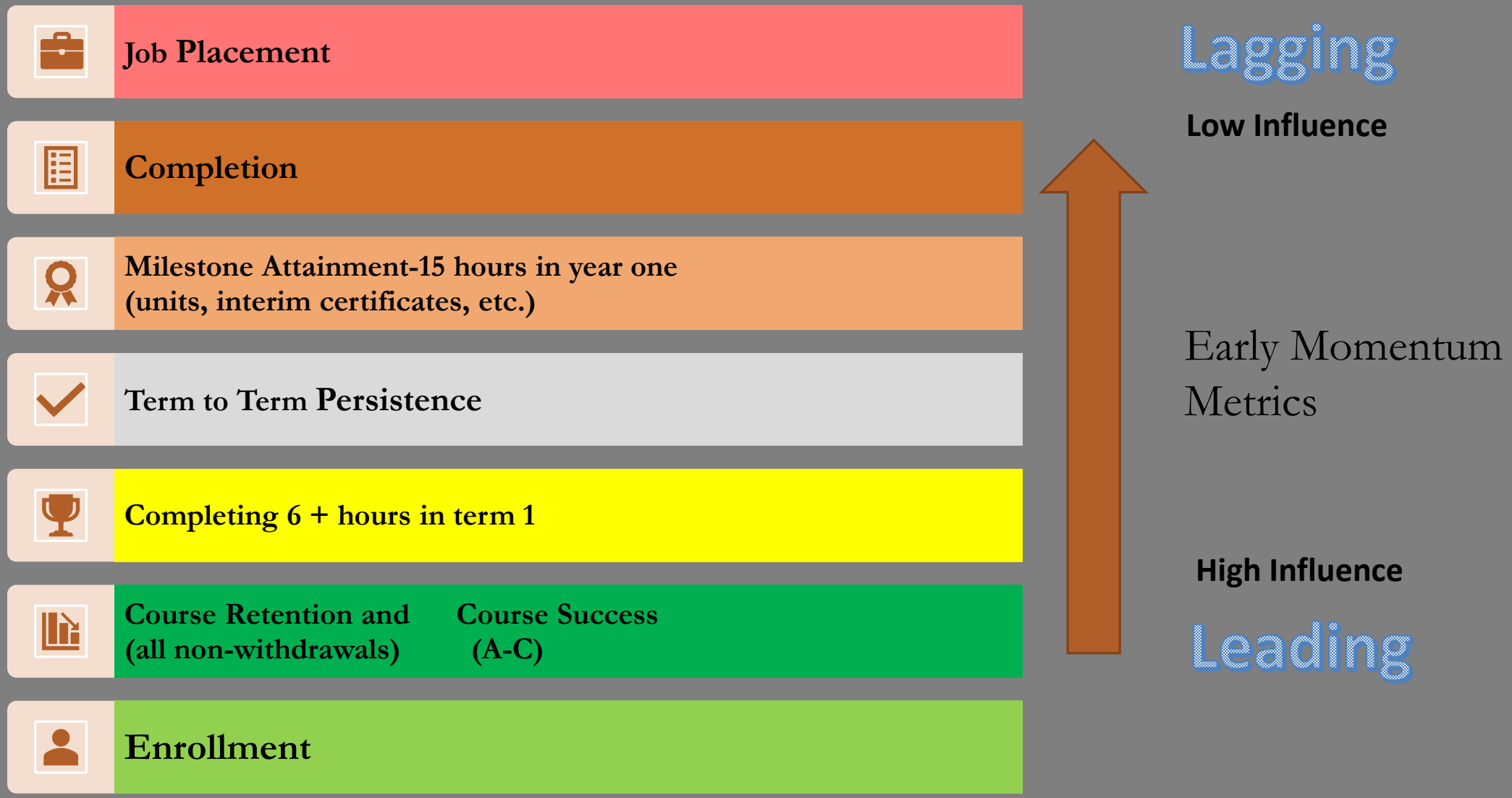
4. Ensure students are learning

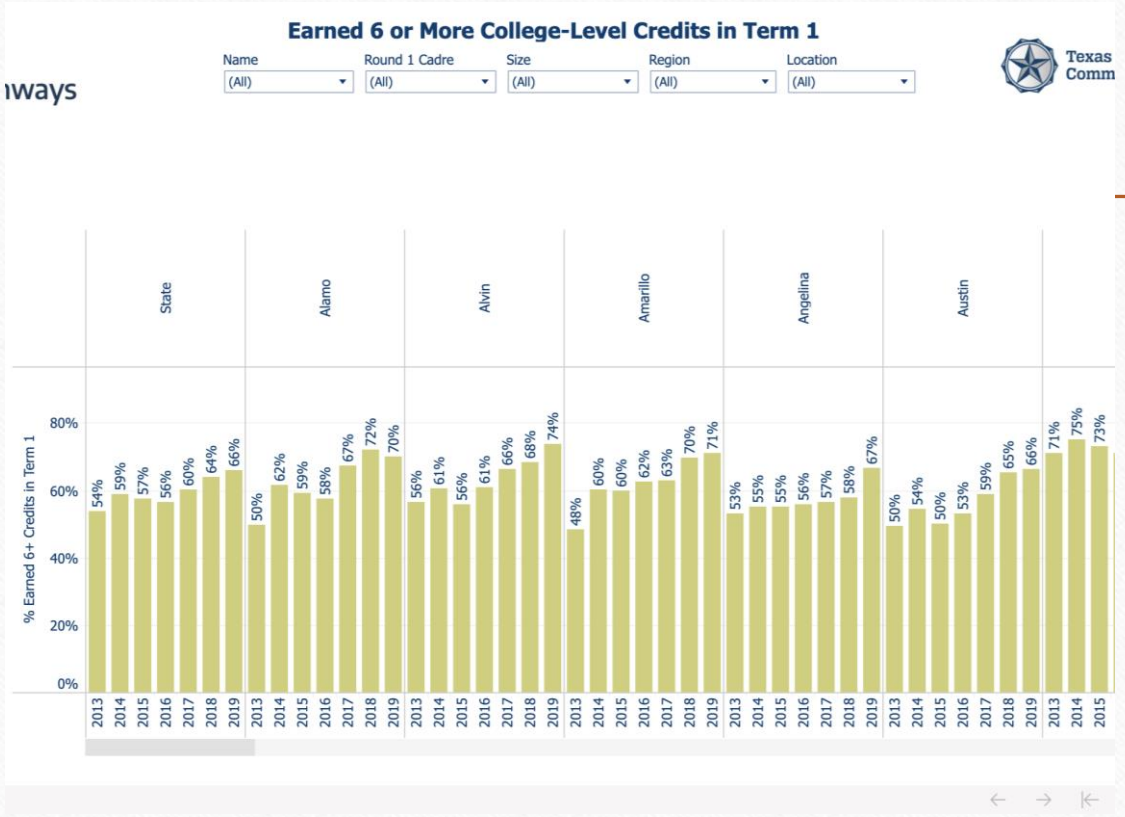
- Program learning outcomes aligned with careers and further education
- Internships and apprenticeships
- Active culturally competent teaching practices

Key Question:

How are students doing as measured by key performance indicators?

Community College Indicators





Key Performance Indicator Dashboards

- Connect Dashboard
- Enter Dashboards
- Progress Dashboards
- Succeed Dashboards

Impact of Texas Pathways Strategy

More Students Are Meeting Early Momentum Milestones

Percent of FTIC Students Attaining EMMs and Change from 2015-2020

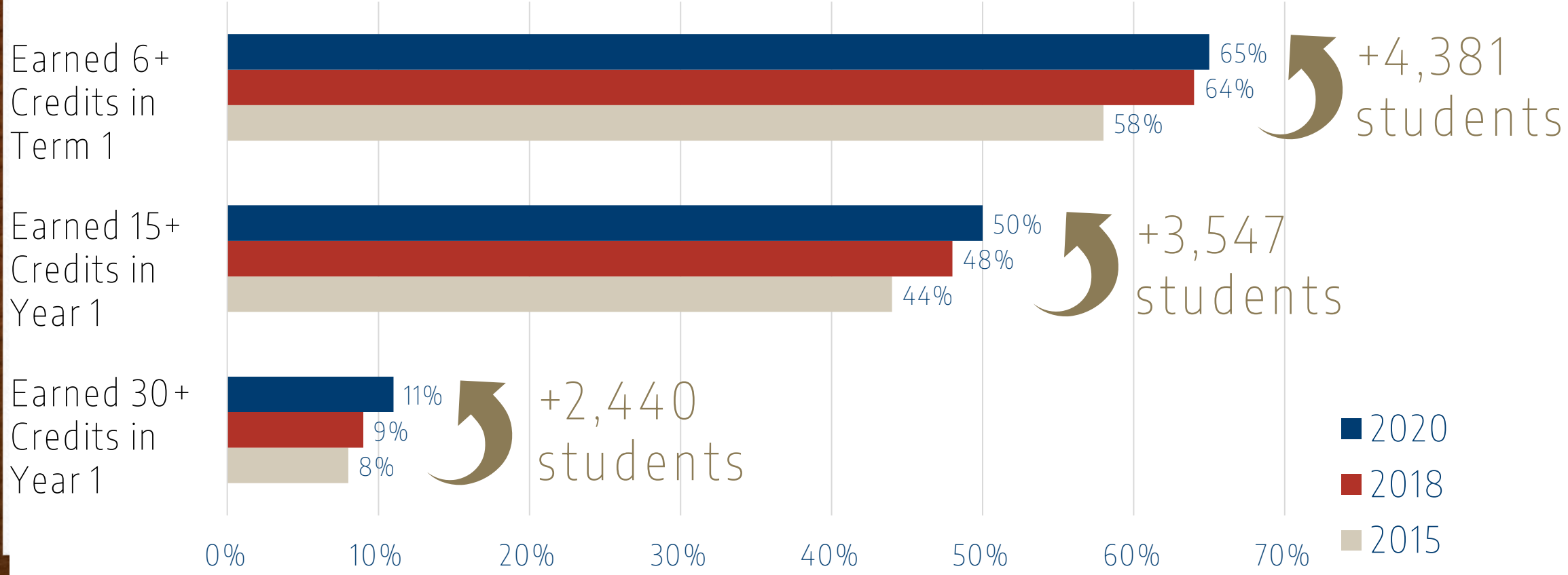
	Early Momentum Metric	2015 %	2018 %	2020 %	Percentage Change 2015-2020	Percentage Point Difference 2015 - 2020
Enter	Earned 6+ credits in Term 1	58%	64%	65%	12%	+7%***
	Completed Math in Year 1	29%	34%	38%	30%	+9%***
	Completed Reading in Year 1	54%	59%	58%	8%	+4%***
	Completed Writing in Year 1	46%	53%	53%	15%	+7%***
	Completed All Subjects in Year 1	20%	25%	28%	39%	+8%***
Progress	Persisted from Term 1 to 2	76%	76%	72%	-5%	-4%***
	Earned 15+ credits in Year 1	44%	48%	50%	13%	+6%***
	Earned 30+ credits in Year 1	8%	9%	11%	40%	+3%***

Note. *** $p < .001$, $N = 50$ community college districts

Texas Pathways Impact:

More Students Are Meeting Early Momentum Milestones

Percent of First-Time-In-College Students Meeting Milestone



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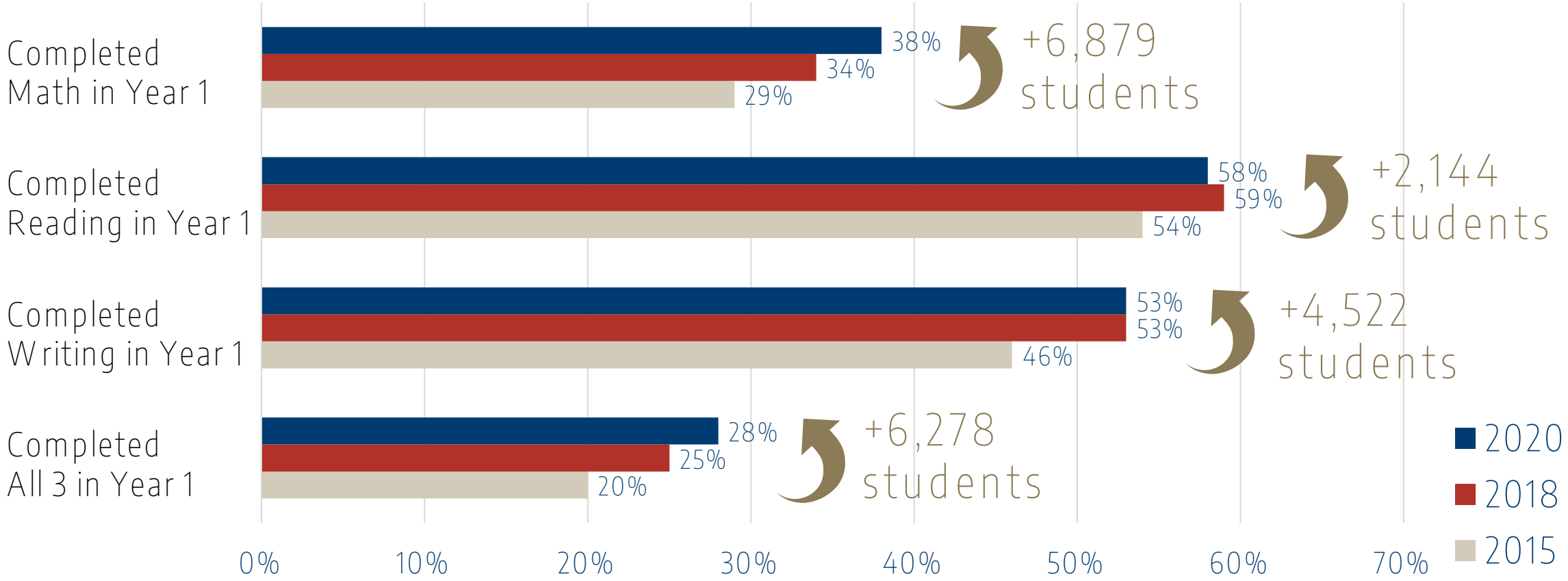
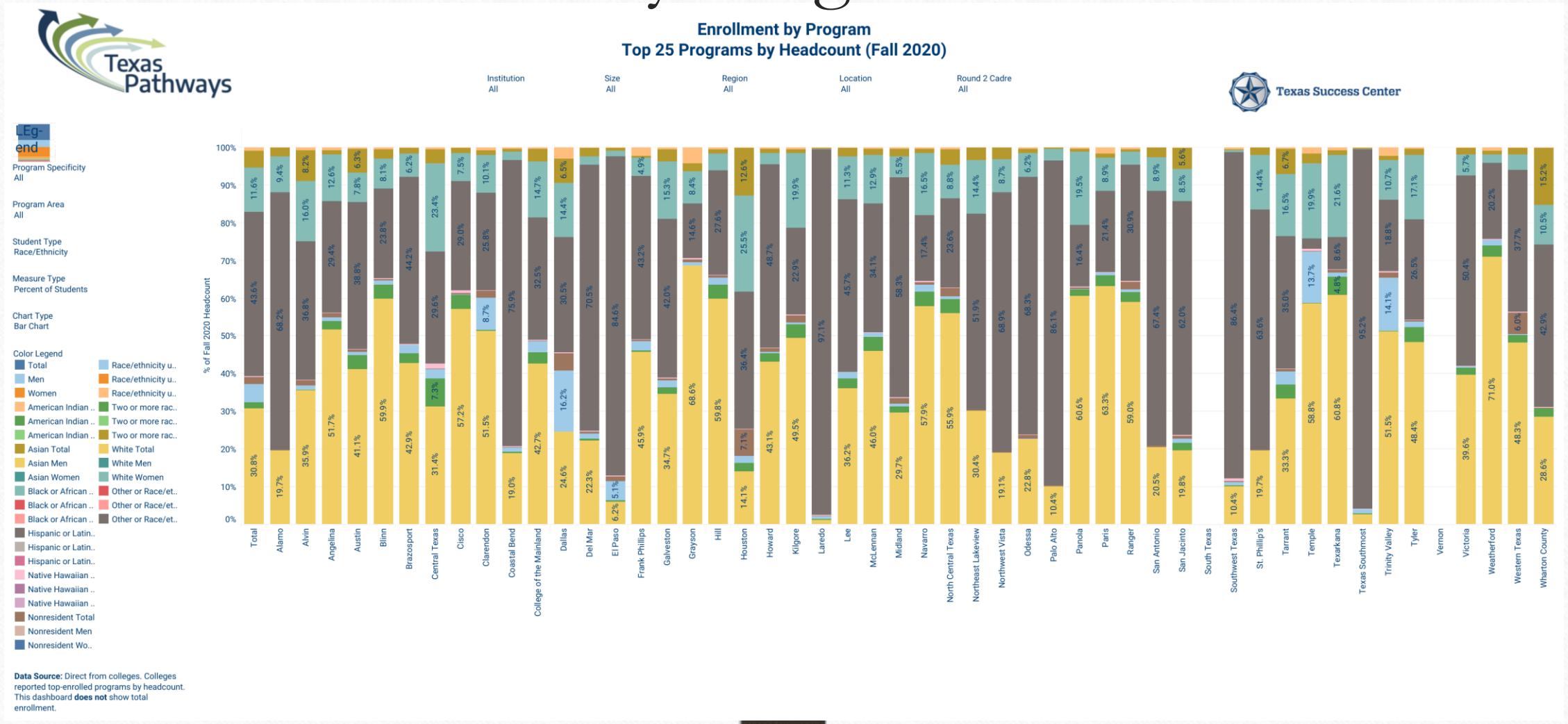


Key Question:

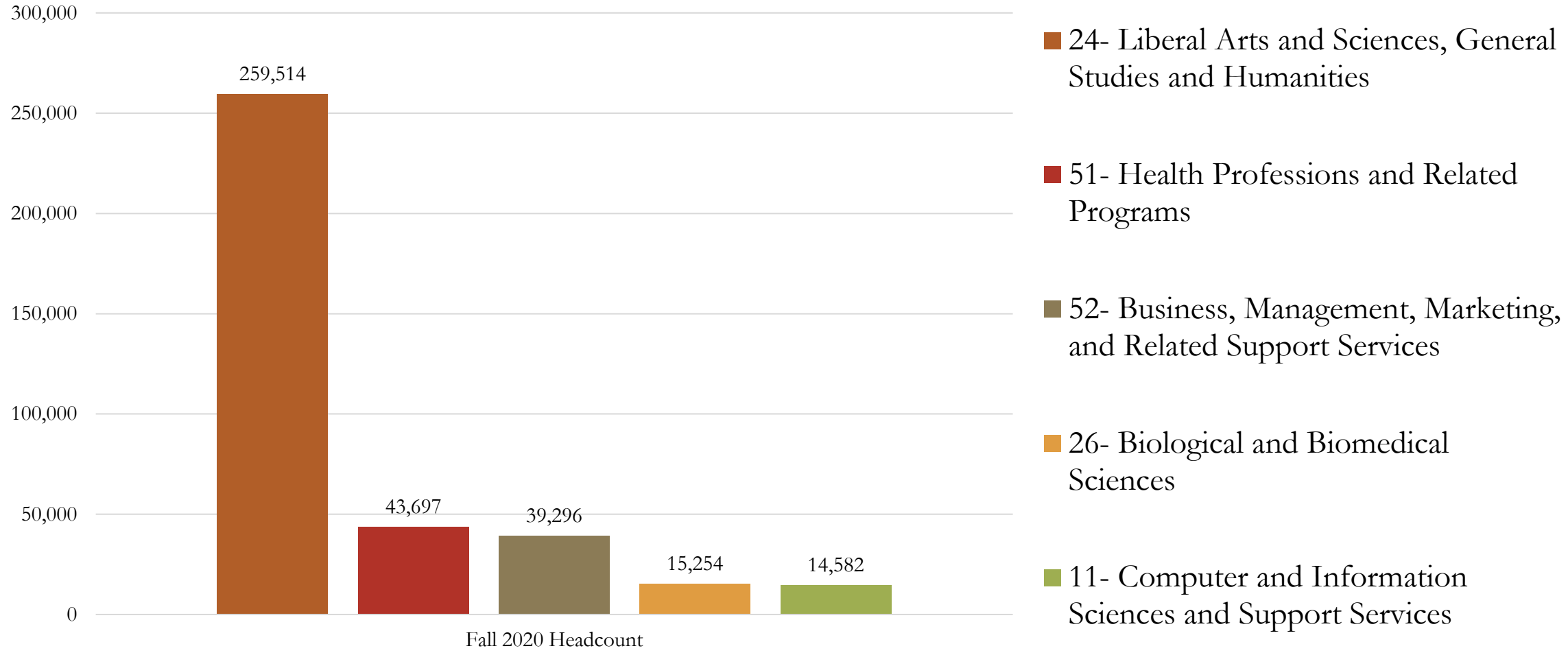
In what programs are

students enrolled?

Enrollment by Program Dashboard



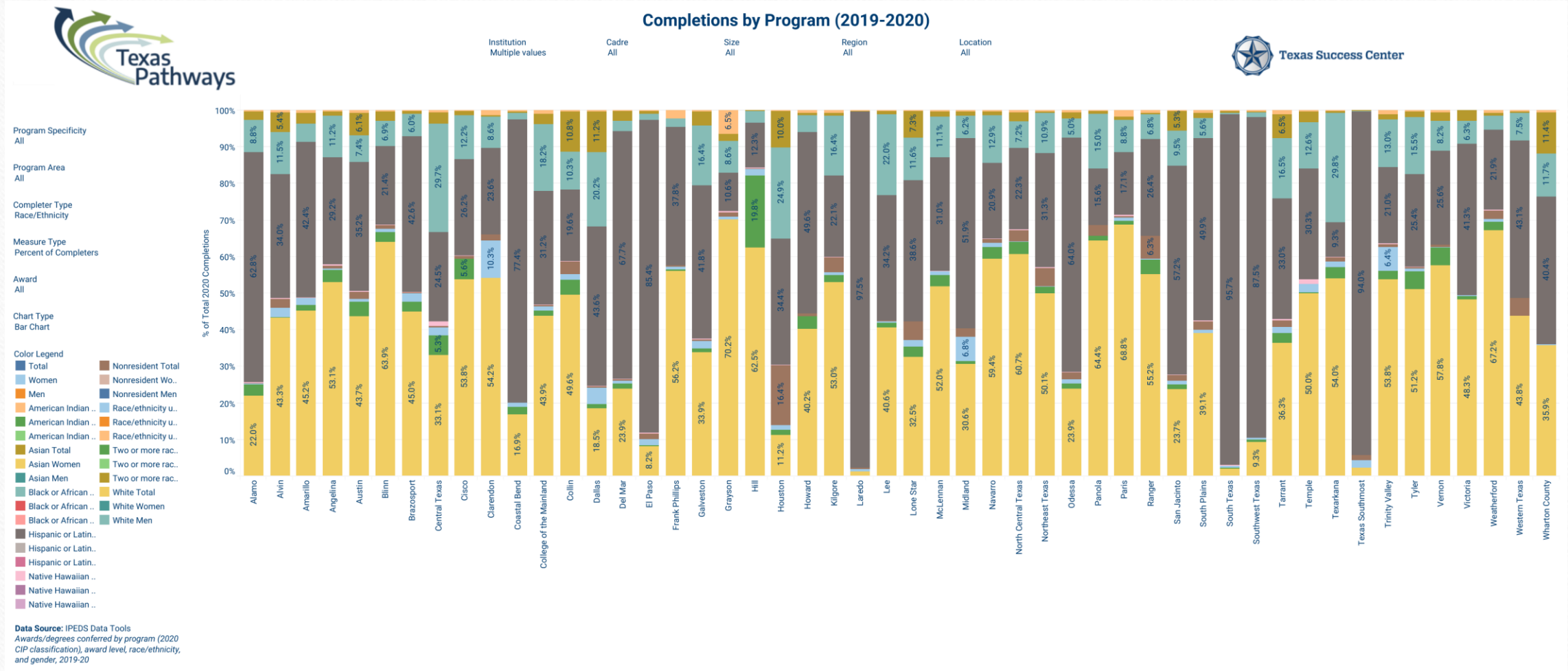
Top 5 Programs by Enrollment



Key Question:

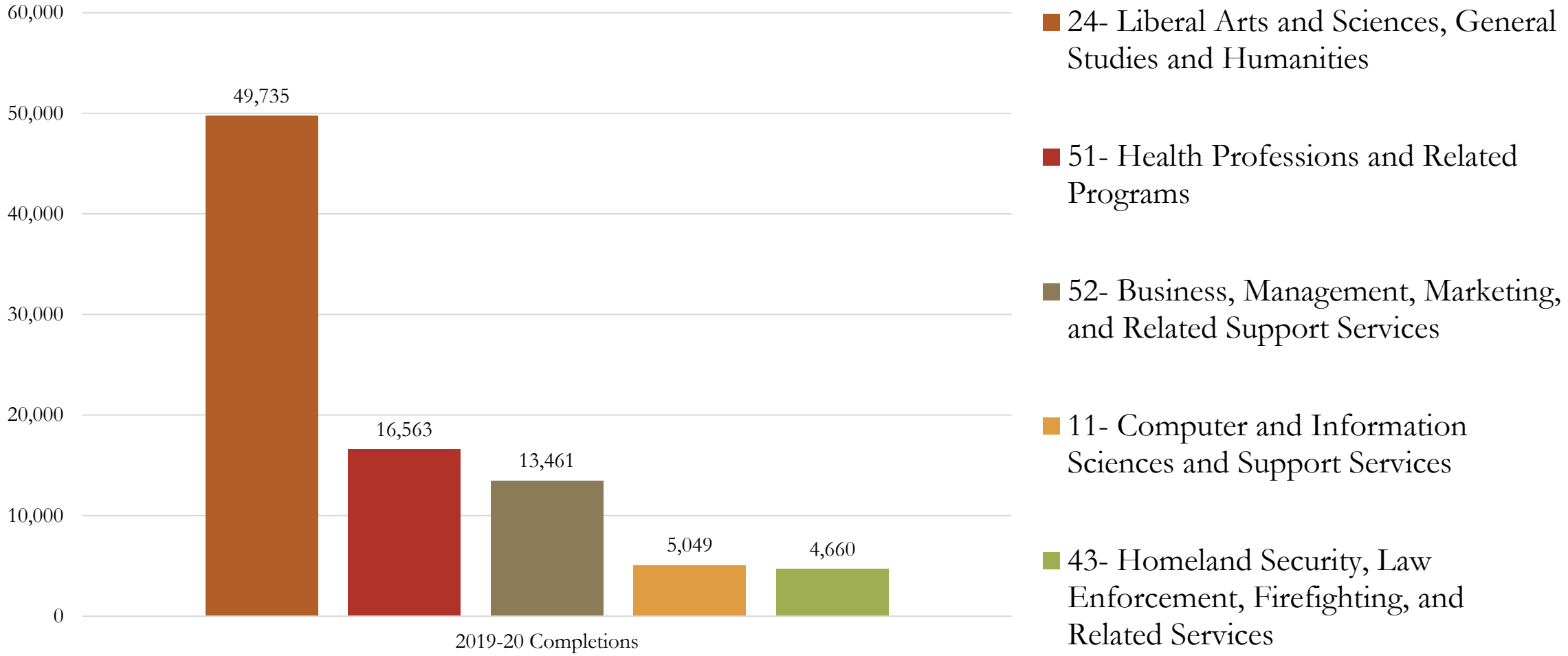
What programs do students complete?

Completion by Program Dashboard



Top 5 Programs by Completion

2019 – 2020 Certificates and Degrees



Key Considerations for Dashboard Data

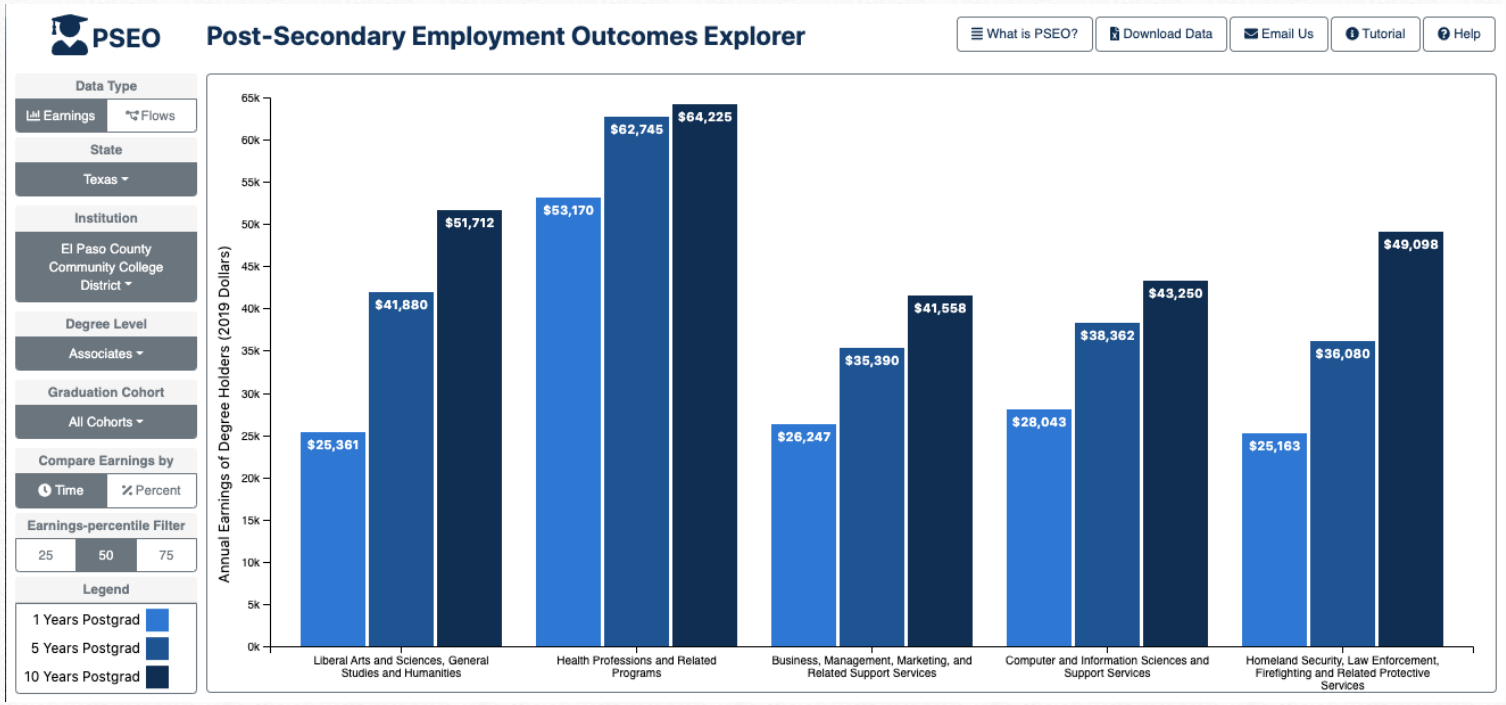
- The KPI dashboards present data for fall cohorts of first-time-in-college, degree-seeking students
- The KPI dashboards do not contain problems or solutions
- Additional data – surveys, interviews, focus groups, observations – is necessary for context

Key Question:

What are the employment outcomes for students by program area?

Employment Outcomes by Program

PSEO Maintained by US Census Bureau



Projections

- Texas Workforce Commission—Projections
- Texas Association of Community Colleges
  - Regional Labor Market

Regional Labor Market Insights

Texas Association of Community Colleges

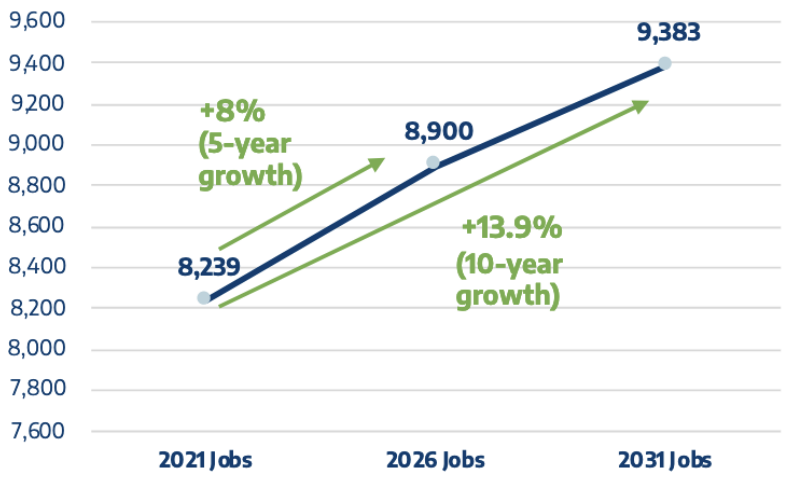
Key Occupation: Aircraft Mechanics and Service Technicians

Texas Association of Community Colleges

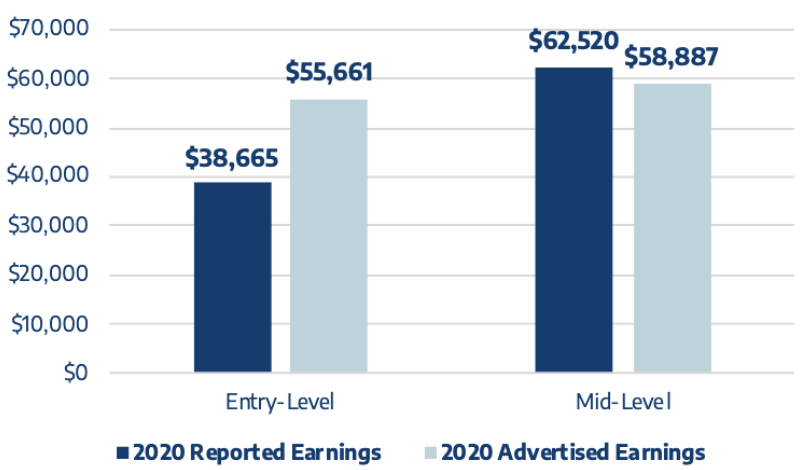
Region: North Texas

Unique Job Postings: 554

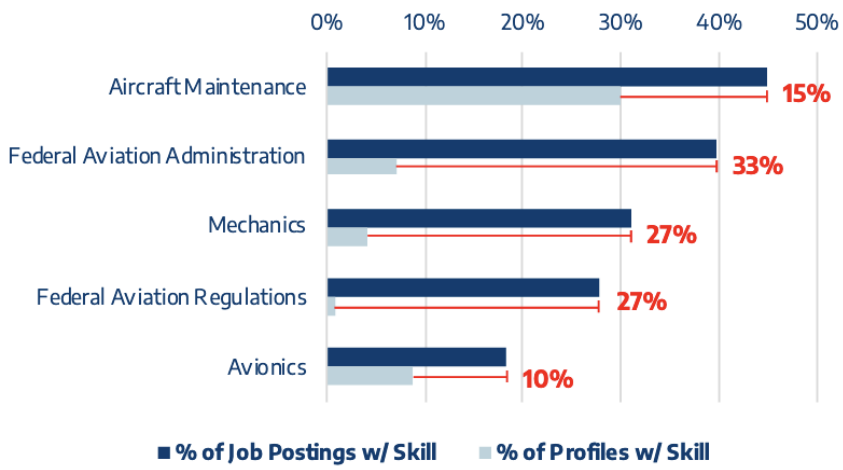
Job Growth Projections



Annual Earnings



Top Skills Gaps



Common Qualifications

- Security Clearance
- Secret Clearance
- Security Identification Display Area (SIDA) Badge
- Airport Security Clearance
- Top Secret-Sensitive Compartmented Information (TS/SCI Clearance)

Top Industry Sectors

- Transportation and Warehousing
- Manufacturing
- Public Administration
- Health Care and Social Assistance
- Professional, Scientific, and Technical Services

Top Employers

- State of Texas
- Global Medical Response
- Airbus
- Gulfstream Aerospace
- Textron

Automation Risk

Source: Lightcast, formerly Emsi Burning Glass, 2022

Questions	Answers
What are the top 5 programs (by 2-digit CIP) with the highest enrollment?	Top 5 Programs by Enrollment: 1. Liberal Arts and Sciences 2. Health Professions 3. Business, Management, Marketing 4. Communications and Journalism 5. Biology and Biomedical Sciences
What is the overall number and percentage distribution of students enrolled in **all** programs for each racial/ethnic category at your college?	

American Indian	36	0.3%
Asian	182	1.7%
Black or African American	1804	17.1%
Hispanic or Latino	2800	26.5%
Nonresident	50	0.5%
Two or more	409	3.9%
Unknown	166	1.6%
White	3124	48.4%

How are enrollments distributed across race/ethnicity in the top five programs?

	Liberal A&S	Health Prof	Business	Comm Journ	Biology
American Indian	0.4%	0	0.6%	0.8%	0.8%
Asian	1.7%	1.2%	1.4%	1.8%	3.0%
Black or African American	15.6%	18.1%	19.0%	18.7%	15.2%
Hispanic or Latino	28.6%	22.9%	24.9%	31.1%	30.2%
Nonresident	0.6%	0.3%	0.9%	0.5%	0.5%
Two or more	4.0%	3.7%	3.0%	5.1%	4.6%
Unknown	1.9%	1.6%	1.2%	3.0%	1.9%
White	47.2%	56.5%	49.1%	39.1%	43.8%

Questions	Answers
What are the top 5 programs (by 2-digit CIP) with the highest completions?	Top 5 Programs by Completion: 1. Liberal Arts and Sciences 2. Health Professions 3. Business/Management/Marketing 4. Mechanic and Repair Technologies/Technicians 5. Homeland Security, Law Enforcement, Firefighting
What is the overall number and percentage distribution of students completing awards in **all** programs for each racial/ethnic category at your college?	

American Indian	6	0.3%
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How are completions to distributed by race/ethnicity in the top 5 programs?

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American Indian	0.1%	0.3%	0.7%	0	0
Asian	1.3%	1.5%	2.0%	.9%	0
Black or African American	18.2%	16.2%	9.2%	8.4%	17.3%
Hispanic or Latino	27.4%	21.3%	26.8%	31.8%	22.1%
Nonresident	1.2%	0	0.7%	0	0
Two or more	5.8%	2.5%	2.0%	4.7%	9.6%
Unknown	1.0%	1.3%	0.7%	0	0
White	44.7%	56.8%	58.2%	54.2%	51.0%

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What is a Board to do?

- Understanding the data
- What actions do we take?
- Setting the direction and creating the culture to support CEO to take action