California Rural Partnerships Alliance

Four Pillars for Sustaining Rural Cross-Sector Data-Driven Decisionmaking

Thursday, May 14, 2020
Regional Educational Laboratory (REL) West

Objectives

Participants will increase their knowledge of:

- Frameworks and tools to develop data use capacity and guide data-driven decisionmaking.

- Strategies and tools to sustain cross-sector data infrastructure, technical expertise, and data-driven processes and culture.

- The developmental stages of cross-sector data work for financial sustainability of rural pathways.

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Agenda

- Summarize and reflect on literature for sustaining data-driven decisionmaking in cross-sector work

- Virtual Panel: Applying the four pillars of cross-sector data work

- Questions and discussion

- Debrief and next steps

Literature Review

A Conceptual Framework for Data-Driven Decision Making

Provides a data-driven decisionmaking theory of action and organizational supports which offer guidance around:

- Creating strong data infrastructure to assemble high-quality data

- Analytic capacity to produce relevant and diagnostic data analysis

- Effective use of relevant and diagnostic data to inform instructional and operational decisions through an organizational culture of data-driven decisionmaking.

Gill, B., Borden, B., & Hallgren, K. (2014, June). *A conceptual framework for data-driven decision making*. Princeton, NJ: Mathematica Policy Research.

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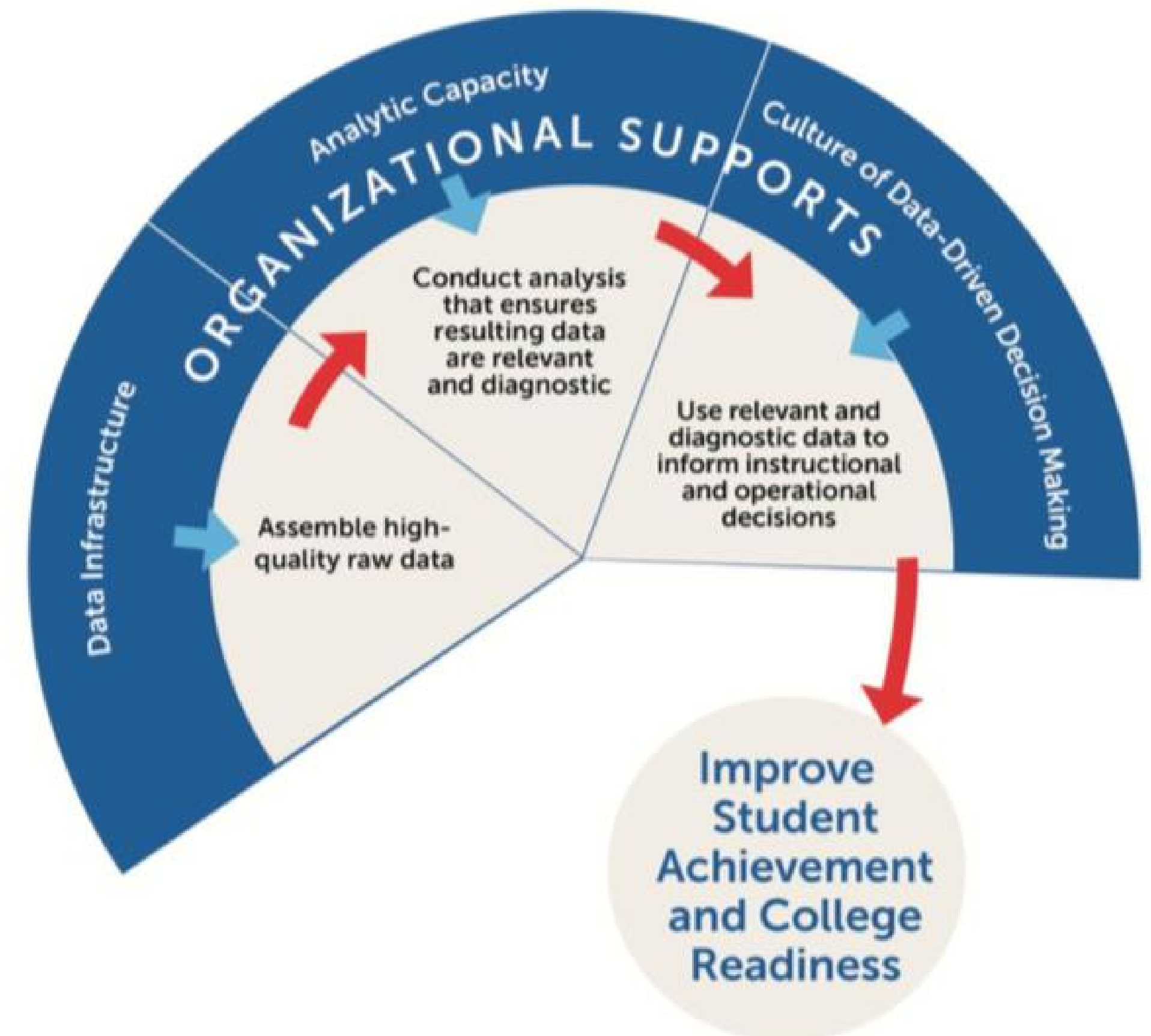
Literature Review

Using Data to Advance a Postsecondary Systems Change Agenda

Guidance encourages a systems change agenda and programming
targeted at improving students' success and outcomes.

Provides data steps and activities:

- Working together in a cross-sector way
- Setting goals and data strategies
- Collecting, aggregating, and analyzing
- Engaging in data inquiry and interpretation

Dougherty, V., Long, M., & Singer, S. (2009, July). *Using data to drive change: A guide for college access and success stakeholders* (Community Partnerships Issue Brief). Philadelphia, PA: OMG Center for Collaborative Learning.

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**4 PILLARS OF
SUSTAINABLE, RURAL CROSS-SECTOR
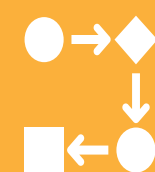DATA-DRIVEN DECISIONMAKING**

INFRASTRUCTURE

TECHNICAL CAPACITY
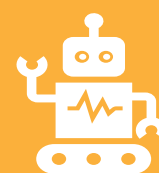
PROCESS

*CULTURE*

Literature Synthesis

Framework to:

- Strengthen data-driven decisionmaking processes and culture

- Secure financially and technically sustainable cross-sector data work

*Synthesis draws on Gill et al. (2014); Dougherty et al. (2009).*

INFRASTRUCTURE

- Establish linkages between distinct datasets

- Create low-burden data collection systems

- Establish data storage responsibilities through the development of data warehouses, or joint data systems, for cross-institutional data collection

- Establish data-sharing agreements

- Develop and assign data roles and responsibilities
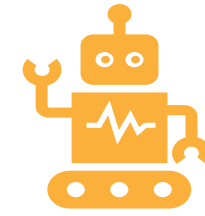
TECHNICAL CAPACITY

- Build understanding around the data systems, portals, and dashboards across region/state to support cross-sector pathways

- Include a wide range of data capacities

- Foster ability to disaggregate data and consider data from a variety of perspectives

- Hold common definitions about data being investigated

- Provide ongoing training to staff/partners at all levels
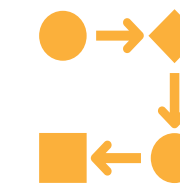
PROCESS

- Target the right data to answer shared questions

- Engage in data inquiry and interpretation

- Continuously improve through disciplined process of identifying the problem and predicted solution, implementing strategies, structured inquiry and interpretation, and strategic action planning

- Align data collection and reporting timelines

- Cross-reference K–12 and postsecondary pathways data with labor market information

CULTURE

- Maintain formal and informal policies for requiring and monitoring data-driven decisionmaking

- Build regional buy-in for cross-sector data collaboration among local and district partners

- Communicate results with internal and external stakeholders to drive regional change

- Integrate data-driven decisionmaking into strategic plans

- Allocate time and resources for data activities

Synthesis draws on Gill et al. (2014); Dougherty et al. (2009).

Discussion

In the chat, please share your response:

- *How are partners in your region advancing work in one of these pillars (i.e., data infrastructure, technical capacity, process or culture)?*

- *What insights can you share about the interplay of these pillars within your cross-sector data collaborations?*

Virtual Panel:
Applying the Four Pillars of Cross-Sector Data Work to Build Sustainable Career Pathways and Secure Ongoing Funding

Inland Empire

Ann Marie Sakrekoff
Senior Director
Growing Inland Achievement

Sorrel Stielstra
Director of Research
Growing Inland Achievement

Shelia Thornton
President and CEO
OneFuture Coachella Valley

Central Valley

Joy Soares
Director College and Career
Tulare County Office of
Education

Far North

Jamie Spielmann
Director of Planning and
Development
North State Together

James Crandall
Data Specialist
North State Together

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Questions and Discussion

During the panel discussion,
please ask questions or include comments
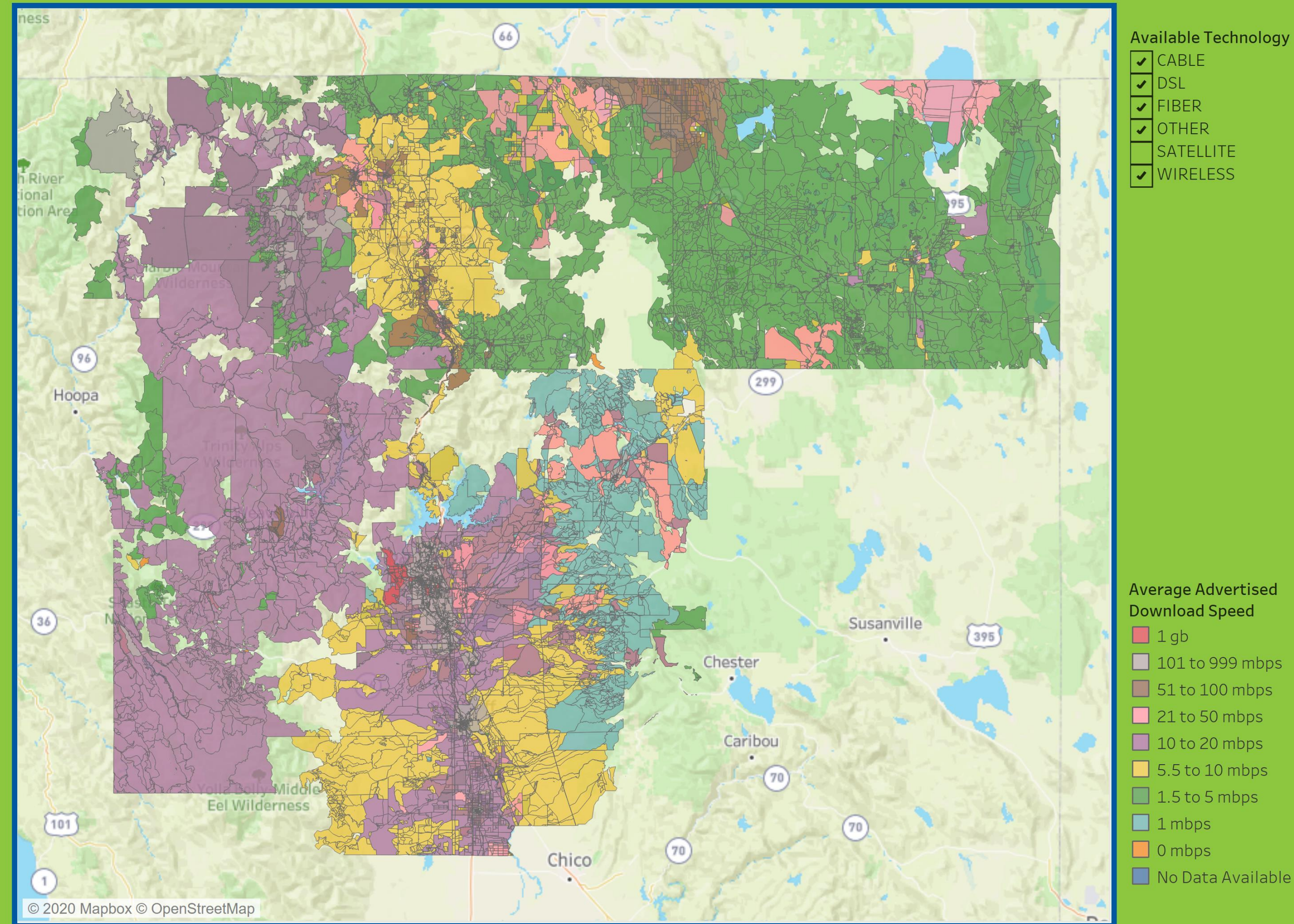for the presenters in the chat box.

Virtual Panel: Data Infrastructure

What strategies and/or tools have you used to strengthen your cross-sector data infrastructure?

Broadband Availability in the North State

The graphics below represent broadband availability in northern California as reported to the FCC by facilities-based broadband providers. The map shows availabilty by census blocks and the chart at the bottom groups the ranges by county. Each Megabits Per Second (mbps) range was created using the average of each provider's max advertised download speed in the block for Consumer service...

Available Technology
- ✔ CABLE
- ✔ DSL
- ✔ FIBER
- ✔ OTHER
- ☐ SATELLITE
- ✔ WIRELESS

Average Advertised Download Speed
- 1 gb
- 101 to 999 mbps
- 51 to 100 mbps
- 21 to 50 mbps
- 10 to 20 mbps
- 5.5 to 10 mbps
- 1.5 to 5 mbps
- 1 mbps
- 0 mbps
- No Data Available

© 2020 Mapbox © OpenStreetMap

Data as of June 2019

Source: FCC Open Data (https://www.fcc.gov/general/broadband-deployment-data-fcc-form-477)

2019/20 Kindergarten Readiness Snapshot
Overall Results

County Name	Gender	Transitional Kindergarten	IEP
All	All	All	All

Disctrict Name	School Name	Attended Preschool?	Student's First Language
All	All	All	All

n = 543   (If 'n' is less than '10', 999 will be displayed)

Overall Readiness
- 29.53%
- 45.98%
- 24.49%

Literacy
- 20.26%
- 37.38%
- 42.36%

Numeracy
- 20.78%
- 56.59%
- 22.63%
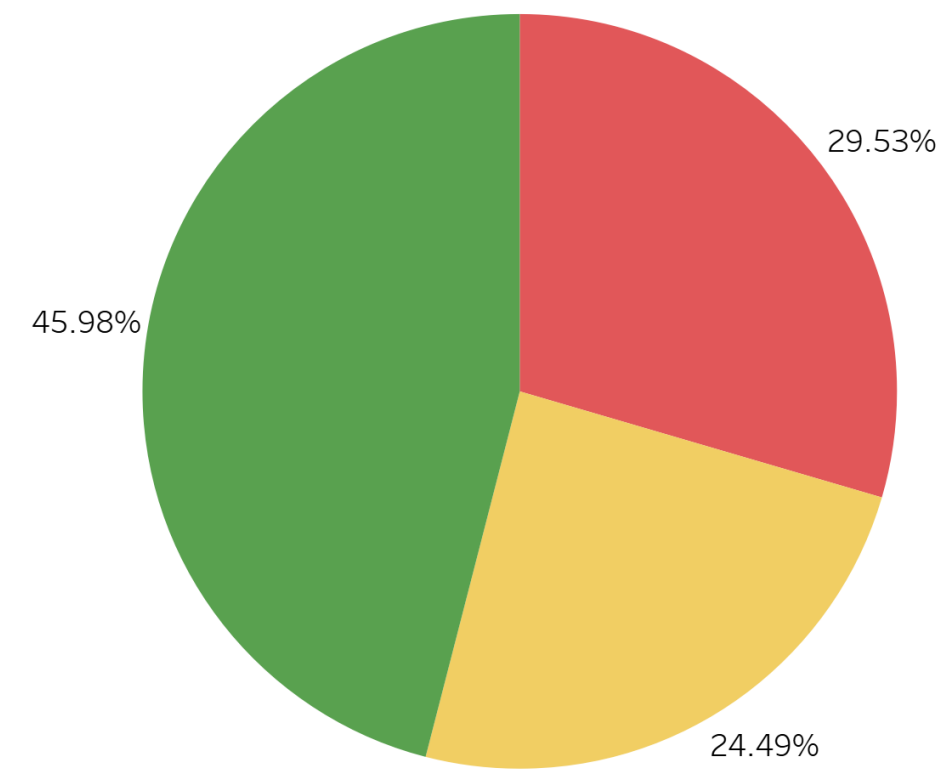
Social/Emotional
- 19.63%
- 63.55%
- 16.82%
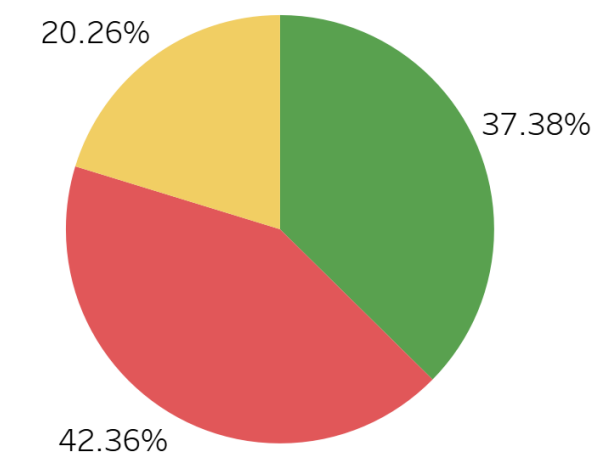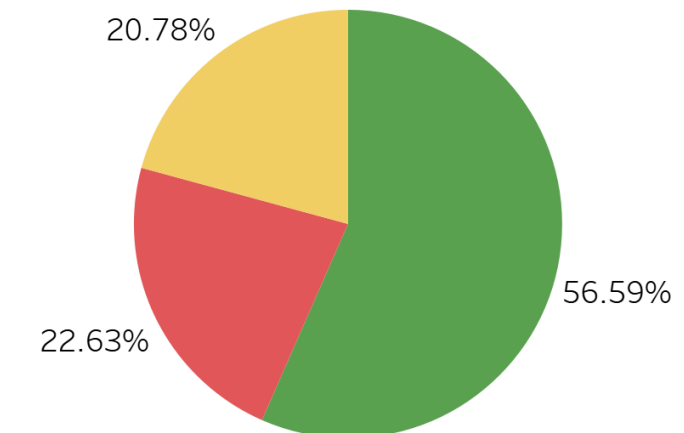
Overall Readiness by Gender

	female	male
green	52.81%	39.18%
yellow	22.47%	26.49%
red	24.72%	34.33%
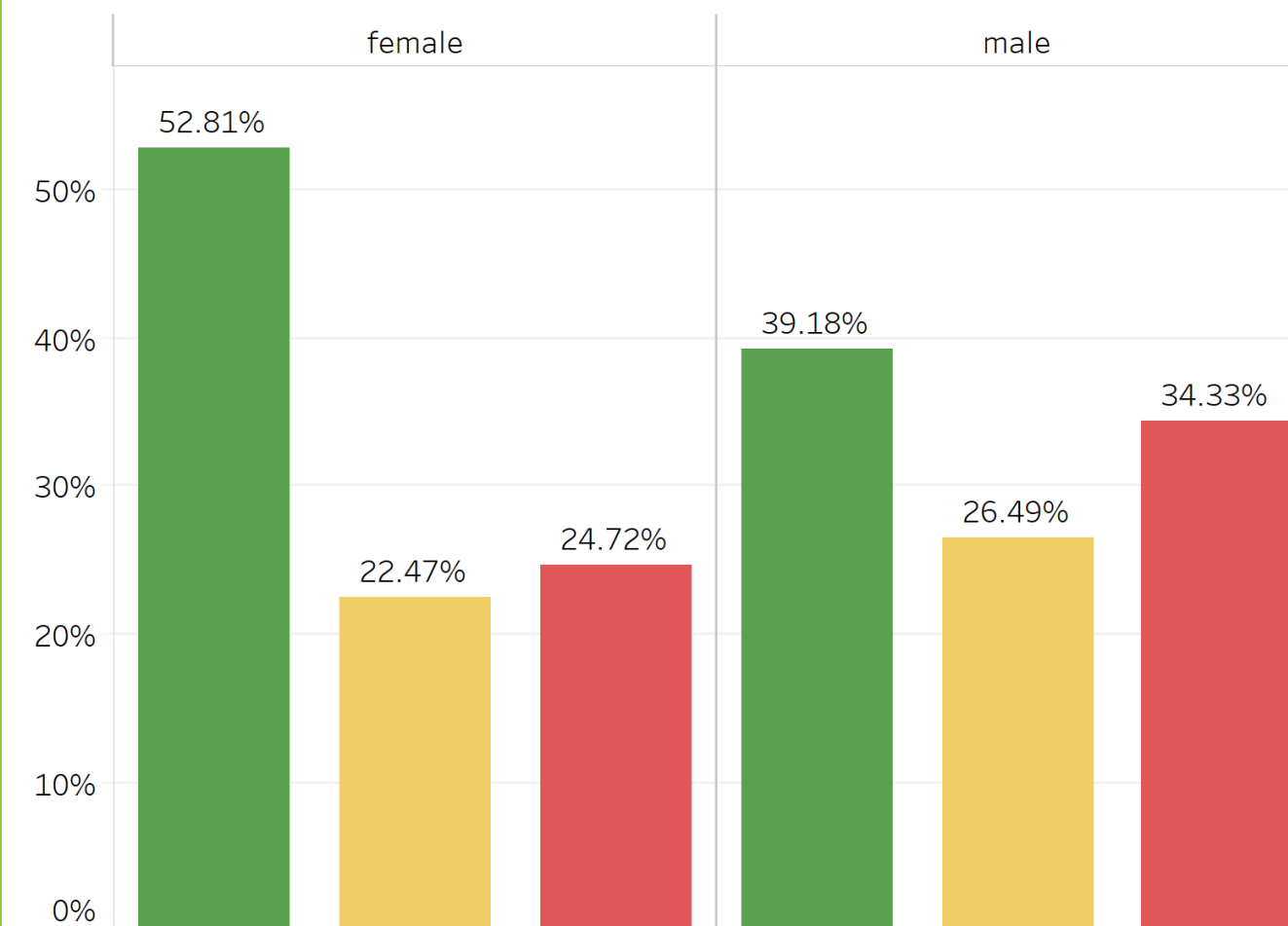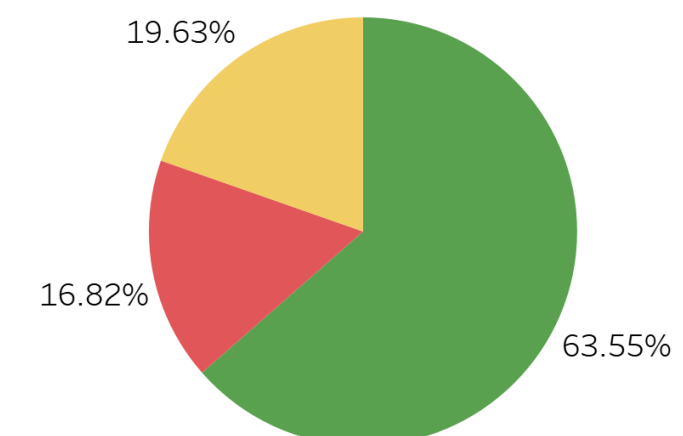
Virtual Panel: Data Technical Capacity

*What strategies and/or tools have strengthened
your technical capacity around data collection and use?*

Investigating the System

EMPATHY

PROCESS MAP

DATA

Virtual Panel: Data Processes

*How are you incorporating
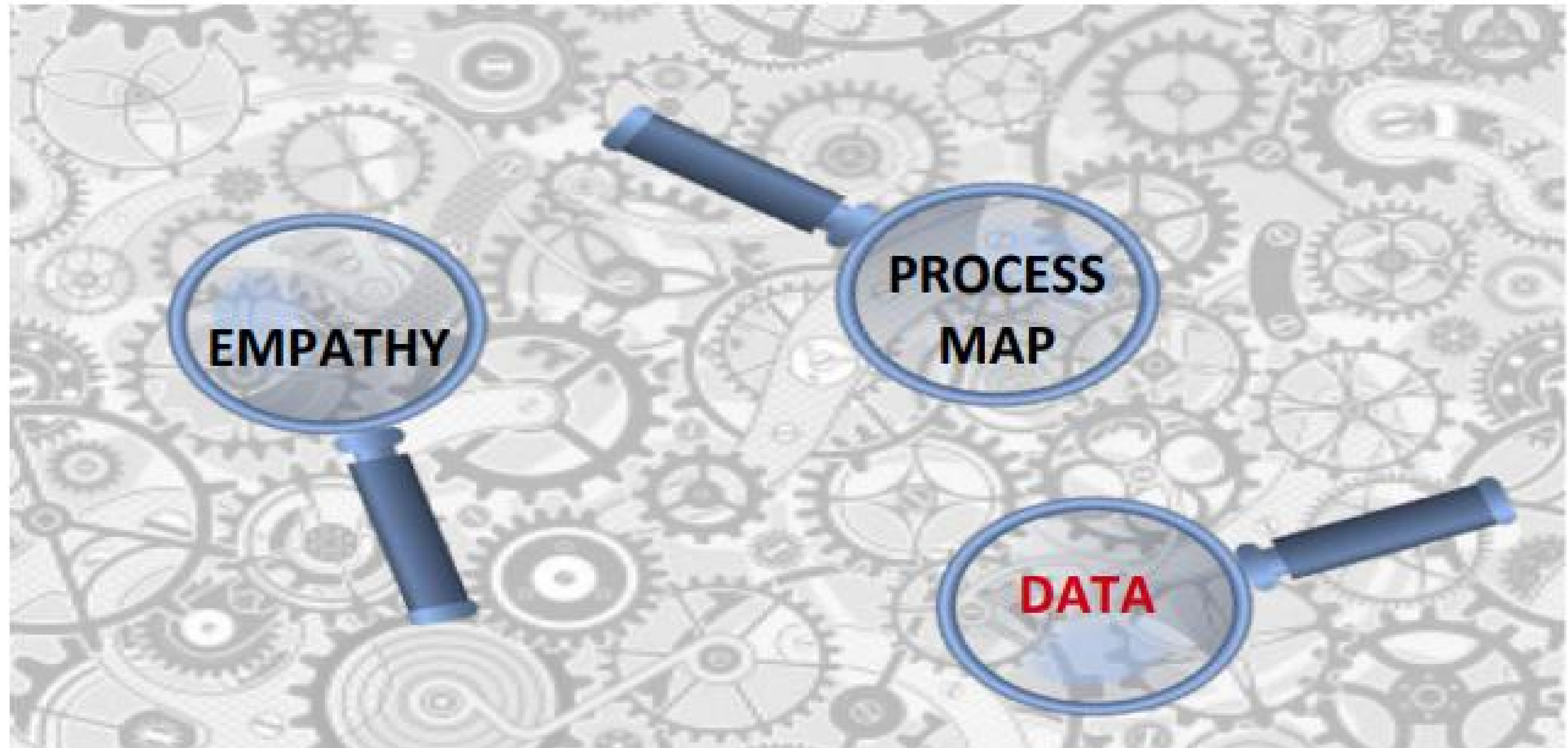data-driven decisionmaking processes
into your collaborative work?*

Employment Correlates with Education

Unemployment rate in 2017

The only group that has a lower unemployment rate than the region as a whole are those who completed Bachelor's degrees

Less education = higher unemployment

6.0%
Total Region

5.4%
Bachelor Degree +

7.6%
Some College or AA Degree

8.9%
High School Diploma

10.5%
Some HS or Less
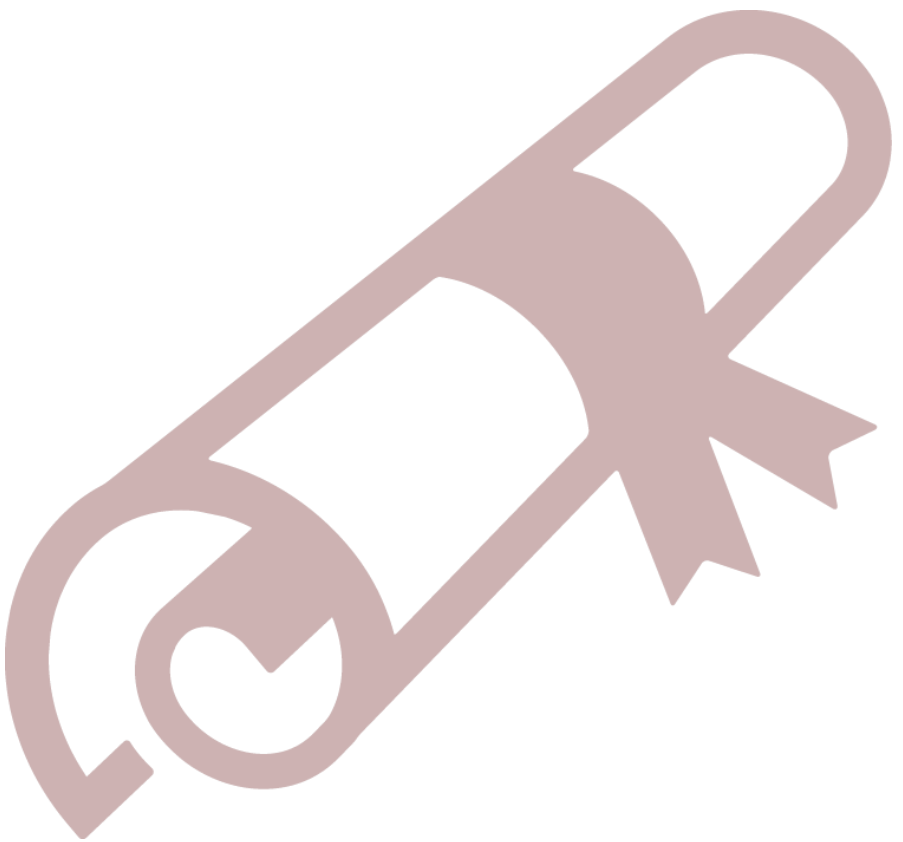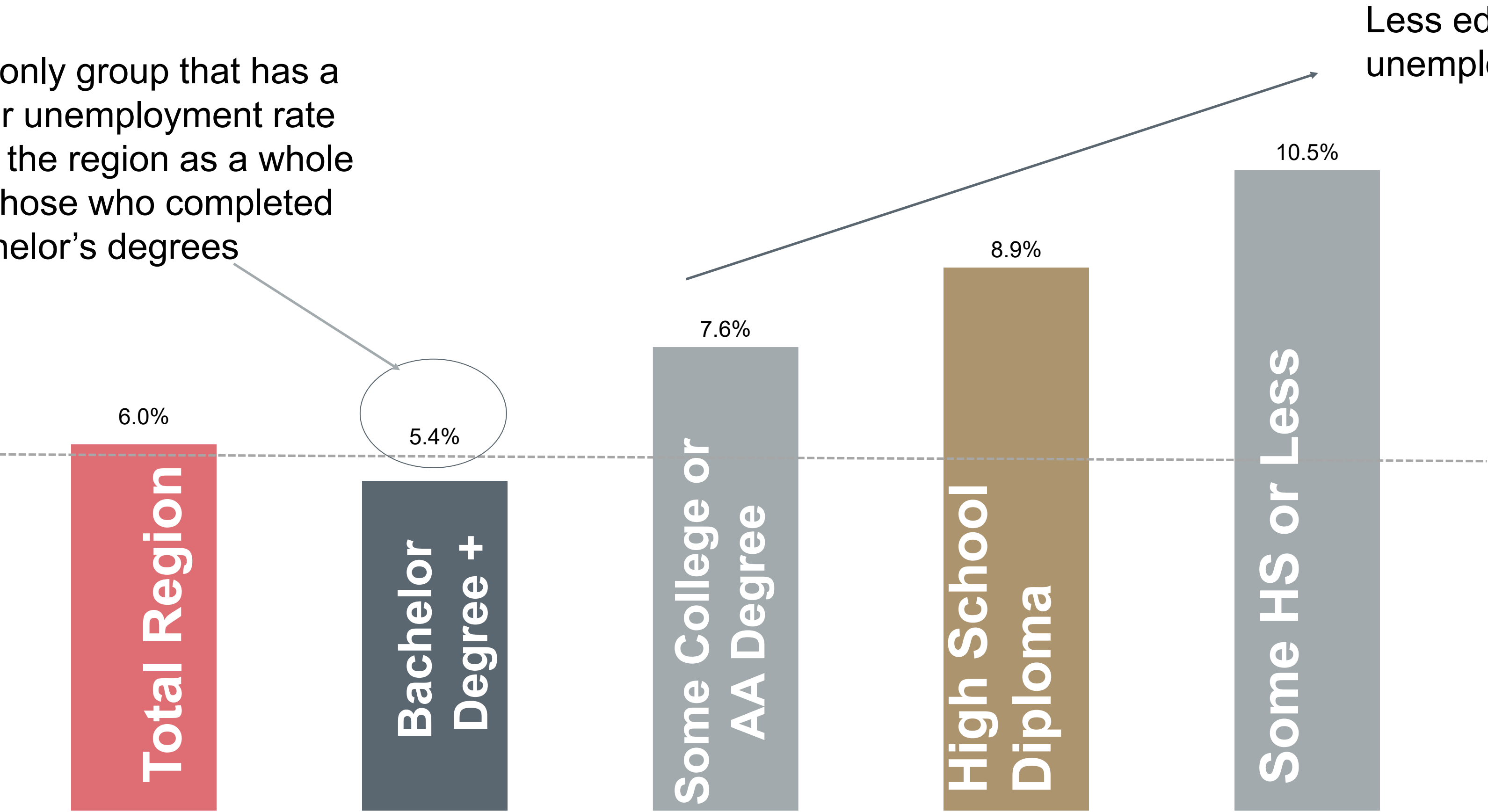
* Income adjusted to take into consideration those with education above bachelor's.
Source: 2013-2017 American Community Survey 5-Year Estimates – CV Region; 25-64 yrs. old

CV Regional Plan for College and Career Success

5-year targets (partial list)

☐ **30%+**
students enrolled in career academy

☐ **80%+**
students have personalized graduation plan

☐ **10%**
increase in high school graduation rate

☐ **85%**
seniors complete the FAFSA

☐ **10%**
increase in college-going rate

☐ **10%**
increase in Cal Grant award uptakes

☐ **$1M**
generated annually by endowed scholarship structure

Regional Plan Structure: Coachella Valley

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Business Engagement
Co-Chairs:
Bob Kambe, Avid PT
Deanna Keuilian, PSUSD

Financial Aid
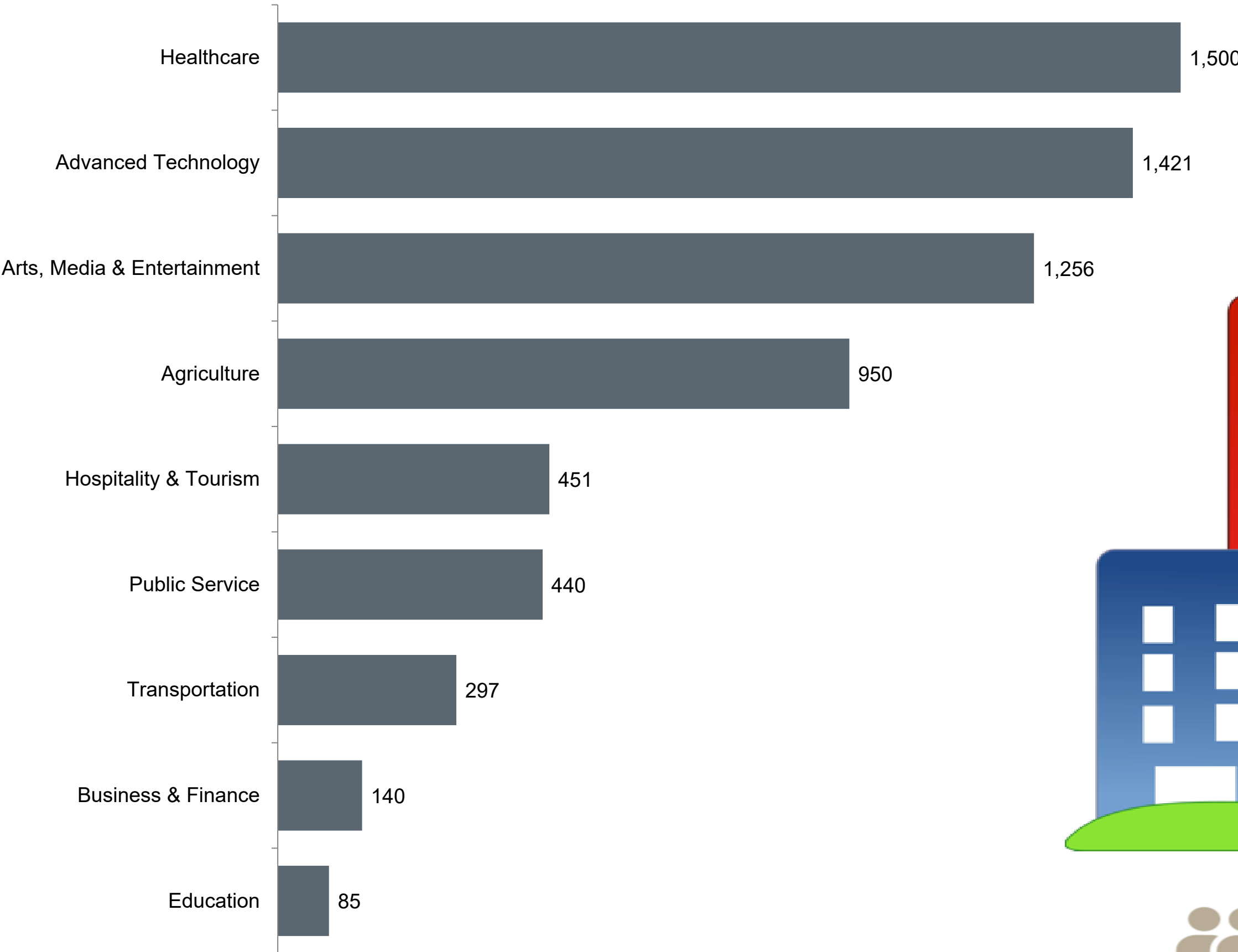Co-Chairs:
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Advanced Tech Industry Council

Arts Media Entertainment Industry Council

* Healthcare Industry Council

OneFuture Coachella Valley // portal.onefuturecv.org

Shaping the Future Workforce

NUMBER OF HIGH SCHOOL CAREER ACADEMY OR PATHWAYS STUDENTS IN EACH SECTOR

Sector	Students
Healthcare	1,500
Advanced Technology	1,421
Arts, Media & Entertainment	1,256
Agriculture	950
Hospitality & Tourism	451
Public Service	440
Transportation	297
Business & Finance	140
Education	85

30 CAREER ACADEMIES AND **17** PATHWAY PROGRAMS SERVING **6,500+** HIGH SCHOOL STUDENTS IN 2017

UP FROM **5** CAREER ACADEMIES SERVING **600+** IN 2005
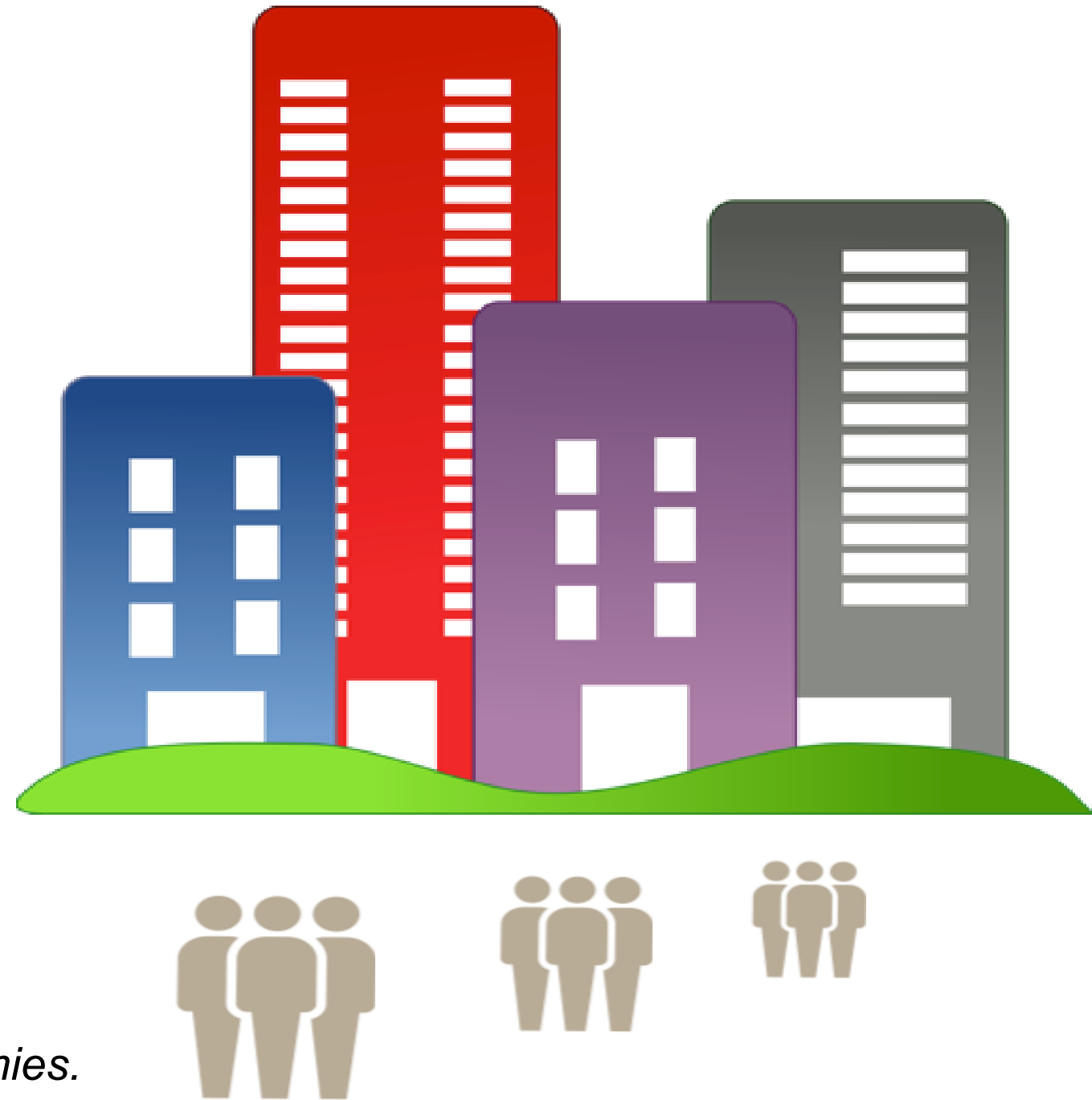
Note: Overall count for CVUSD adjust down by 10% due to issues with double counting among some academies.
Source: 2017-18 district data

Our Scholarship Students

357 Scholars in 2017–18 academic year

92[%] Persistence rate (completed 2016–17 academic year)

72[%] First-generation college-going

39[%] Recent 2017 HS grad

35[%] Males (growth needed)

$1,436,000

total scholarship funds
received in 2017

$15.1 million

awarded to date to
2,327 scholars

Note: Information provided includes all students who received College Futures funding in the 2017-18 academic year.
Total number of scholarships may include students receiving a scholarship of multiple years.

FAFSA Completions

Heading toward the regional plan goal of **85%**

		67%	70%	67%
	62%			
48%				
2011	2016	2017	2018	2019
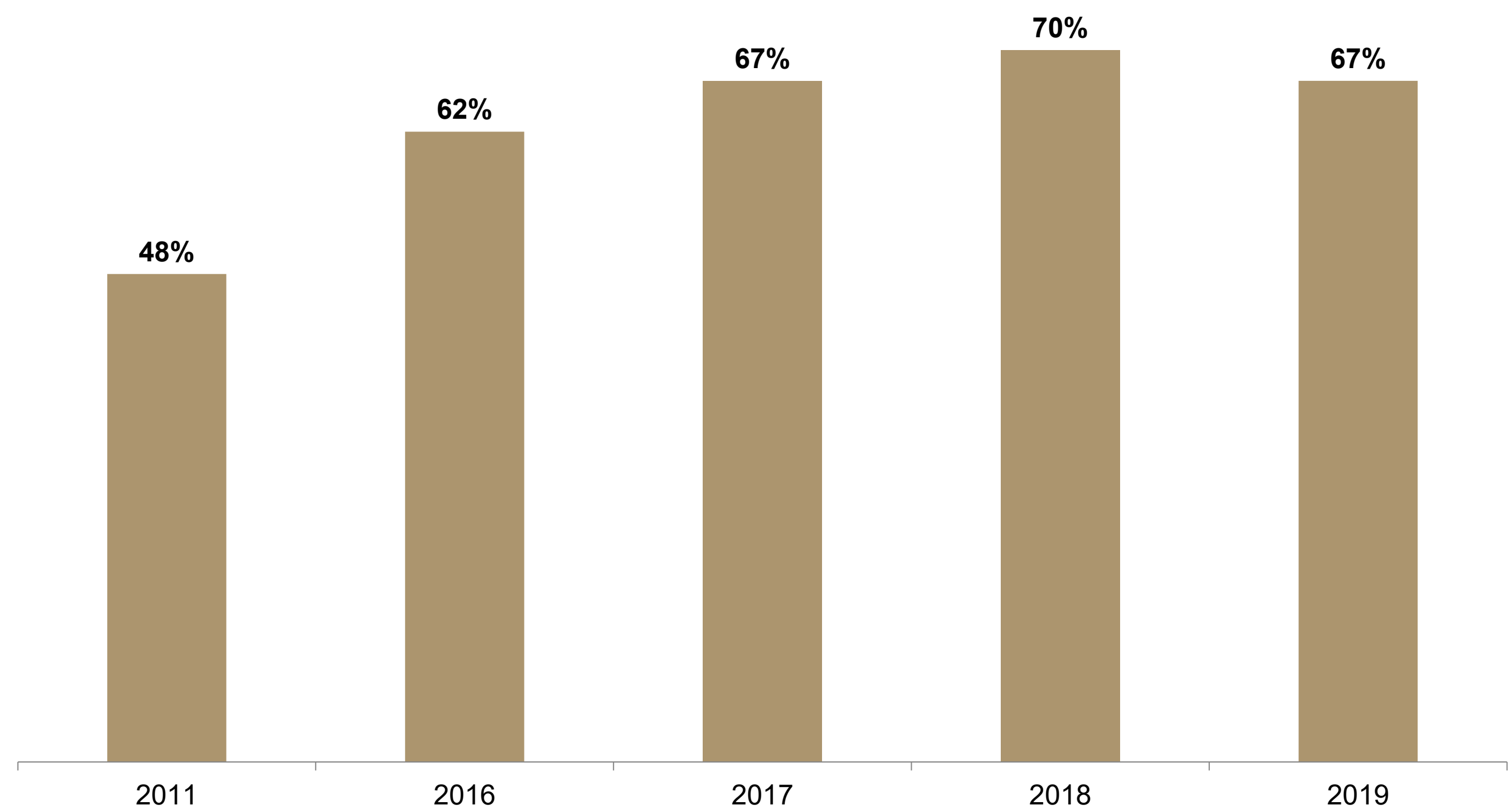
In 2019, students have the potential to receive

$13.6 million

in financial aid
due to local FAFSA
completion efforts

The Pipeline is Working

Among OneFuture CV scholars who have a **degree**…

84%
HAVE A JOB
(83% among HCC interns)

56%
ARE
EMPLOYED
LOCALLY

SECTORS REPRESENTED

Healthcare | General Business | Advanced Technology | AME Public Safety | Education

Sample size = 358 OneFuture CV scholarship recipients; 154 with degree; 129 employed
Source: 2018 Alumni Survey

Work Based Learning Inventory - Aggregate

Guest Speakers

Total Events	Total Adult Hrs	Value
242	34,289	$1,200,129

Worksite Tours

Total Events	Total Adult Hrs	Value
173	18,908	$661,763

Career Fairs

Total Events	Total Adult Hrs	Value
73	15,087	$528,045

Mock Interviews

Total Events	Total Adult Hrs	Value
40	4,172	$146,020

Info Interviews

Total Events	Total Adult Hrs	Value
48	11,191	$391,685

Job Shadows

Total Events	Total Adult Hrs	Value
363	10,058	$352,030

Advisory Council/Committee

Total Events	Adult Hours	Value
160	22,569	$789,898

All WBL Students   31,911

Internships

Number of Unpaid Internships	134
Number of Paid Internships	40
Number of Internships	174
Total Adult Hours (Unpaid Internships)	26,443
Total Student Hours (Paid Internships)	7,775
Total Adult Hours (Paid Internships)	5,357
Value of Unpaid Internships	$925,488
Value of Paid Internships (Student Hours)	$90,968
Value of Paid Internships (Adult Hours)	$187,495
Total Value of Internships	$1,203,950
Aggregate Adult Hours	148,073
Aggregate Total Value	$5,273,519

Virtual Panel: Data Culture

What strategies and/or tools have been the most effective in creating a strong culture of data-driven decisionmaking?

Virtual Panel: Securing Financial Resources

How do you make the case for funding cross-sector data work?

TK COLLEGE + CAREER COLLABORATIVE

Increase Intersegmental Participation to Expand Opportunities for Successful Student Transitions

TK Regional Endorsed Shared Outcomes

Metric 1
Percentage of students with college credit

Metric 2
Percentage of students completing a career pathway

Metric 3
Percentage of students receiving an industry recognized certification/license

Metric 4
Percentage of students successfully attempting and completing transfer level English

Metric 5
Percentage of students successfully attempting and completing transfer level Math

Metric 6
Job Placement Rate:
These metrics will be measured by (WIB) CAL JOB system - (CC) EDD on Launchboard.

TK K12 Strong Workforce Application Strategies

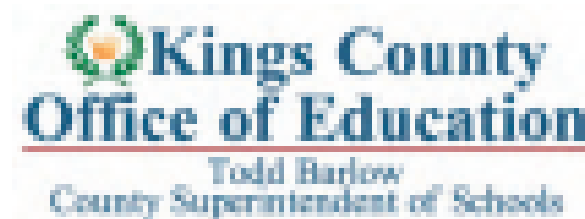**Strategy 1** - Strengthening K12, CC and Workforce Collaboration through Systemic Coordination

Strategy 2 - Increasing Early College Credit for Successful Student Transitions

Strategy 3 - Expanding Student WBL Awareness and Exploration for Successful Student Transitions

Strategy 4 - Aligning K12 Curriculum to Industry Certifications for Successful Student Transitions

Strategy 5 - Engaging Industry and Education to Align Workforce Needs to CTE

Aligning TK and K12 SWP metrics into our strategies

K12 SWP Metrics

Metric 1 - Completed 2+ CTE courses in high school in the same program of study

Metric 2 - Completed 2+ CTE courses in high school in the same program of study that include: early college credit, work-based learning, or third-party certification

Metric 3 - Graduated high school

Metric 4 - Enrolled in a California Community College within one year of leaving secondary school

Metric 5 - Entered registered apprenticeship after participation in high school pre-apprenticeship program

Metric 6 - Enrolled in another form of job training (other than California Community College)

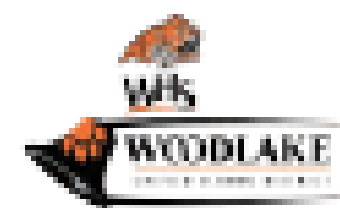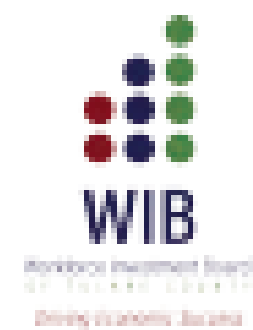**Metric 7** - Completed 9+ CTE units in first year of California Community College

Metric 8 - Attained a California Community College certificate/ degree or journey level status

Metric 9 - Transferred to a four-year institution after exiting California Community College

Metric 10 - Employed in a job closely related to field of study after exiting California Community College

Metric 11 - Median annual earnings of students after exiting California Community College

Metric 12 - Attained a living wage after exiting California Community College

Kings County Office of Education
Todd Barlow
County Superintendent of Schools

Tulare County Office of Education
Tim A. Hire, County Superintendent of Schools

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Cutler Orosi · DINUBA · EXETER UNIFIED SCHOOL DISTRICT · Farmersville Unified School District · LUHSD · LINDSAY UNIFIED · Visalia UNIFIED SCHOOL DISTRICT · WHS WOODLAKE

Questions and Discussion

Please share additional questions or comments for the panelists in the chat box.

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Debrief and Next Steps

- Thank you for joining us today!

- In the chat box, please share one reflection word that describes how you feel about your work going forward.

- Please complete the survey.

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Thank you!