

Understanding where community college students come from, and how they do

KENT A. PHILLIPPE

AVP, RESEARCH & STUDENT SUCCESS

AMERICAN ASSOCIATION OF COMMUNITY COLLEGES



“Numbers have an important story to tell. They rely on you to give them a clear and convincing voice”

-Stephen Few, founder
Perceptual edge

Overview

- ▶ Field Notes – an AACCC / ACT collaboration
 - ▶ Identifying a service area
 - ▶ What potential students are in the service area
- ▶ Voluntary Framework of Accountability (VFA)
 - ▶ What happened to my incoming students?
 - ▶ The value of Leading Indicators

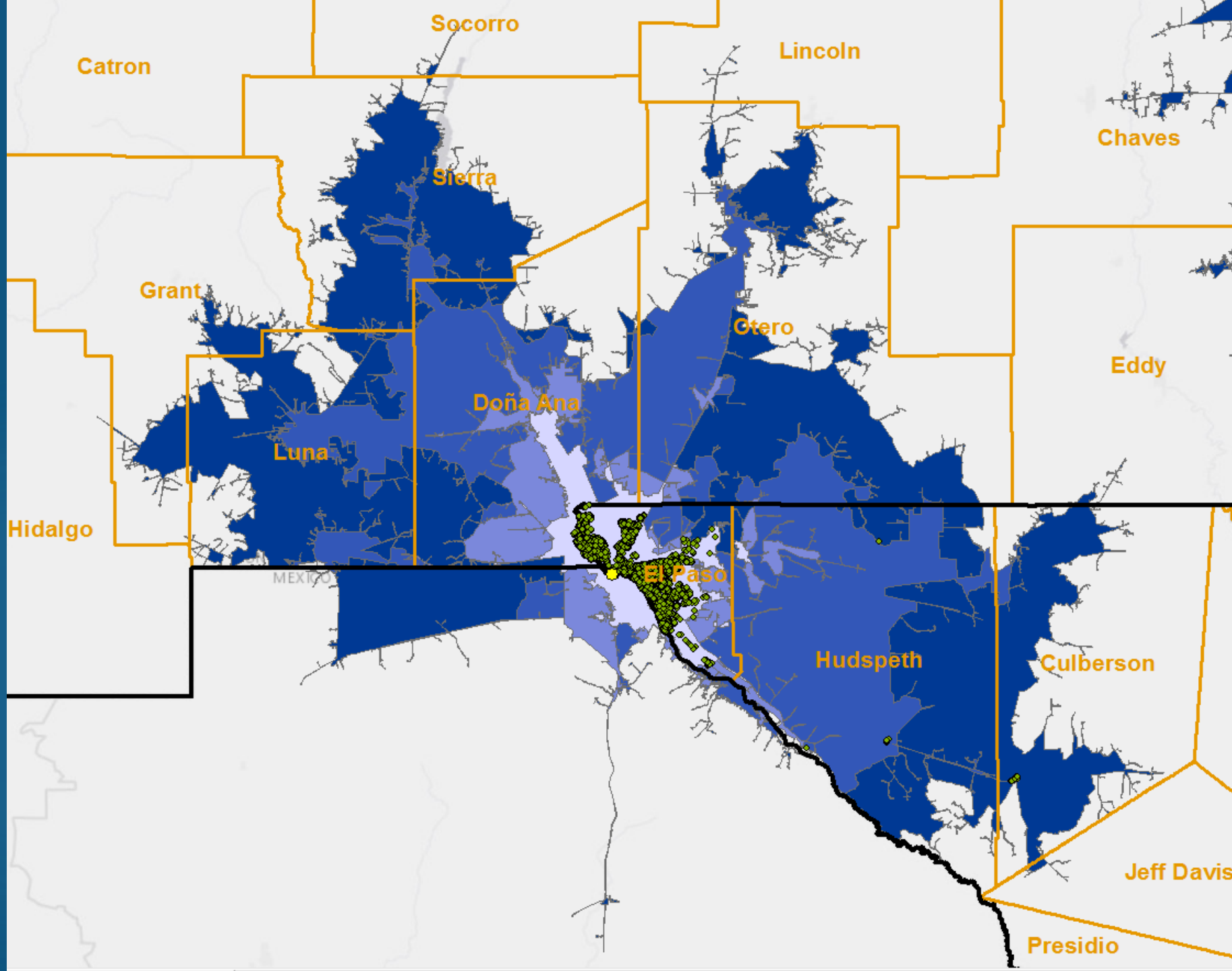


Field Notes

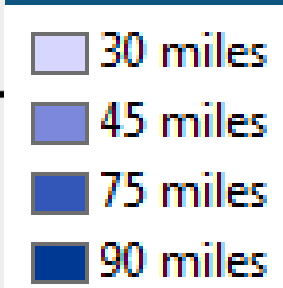
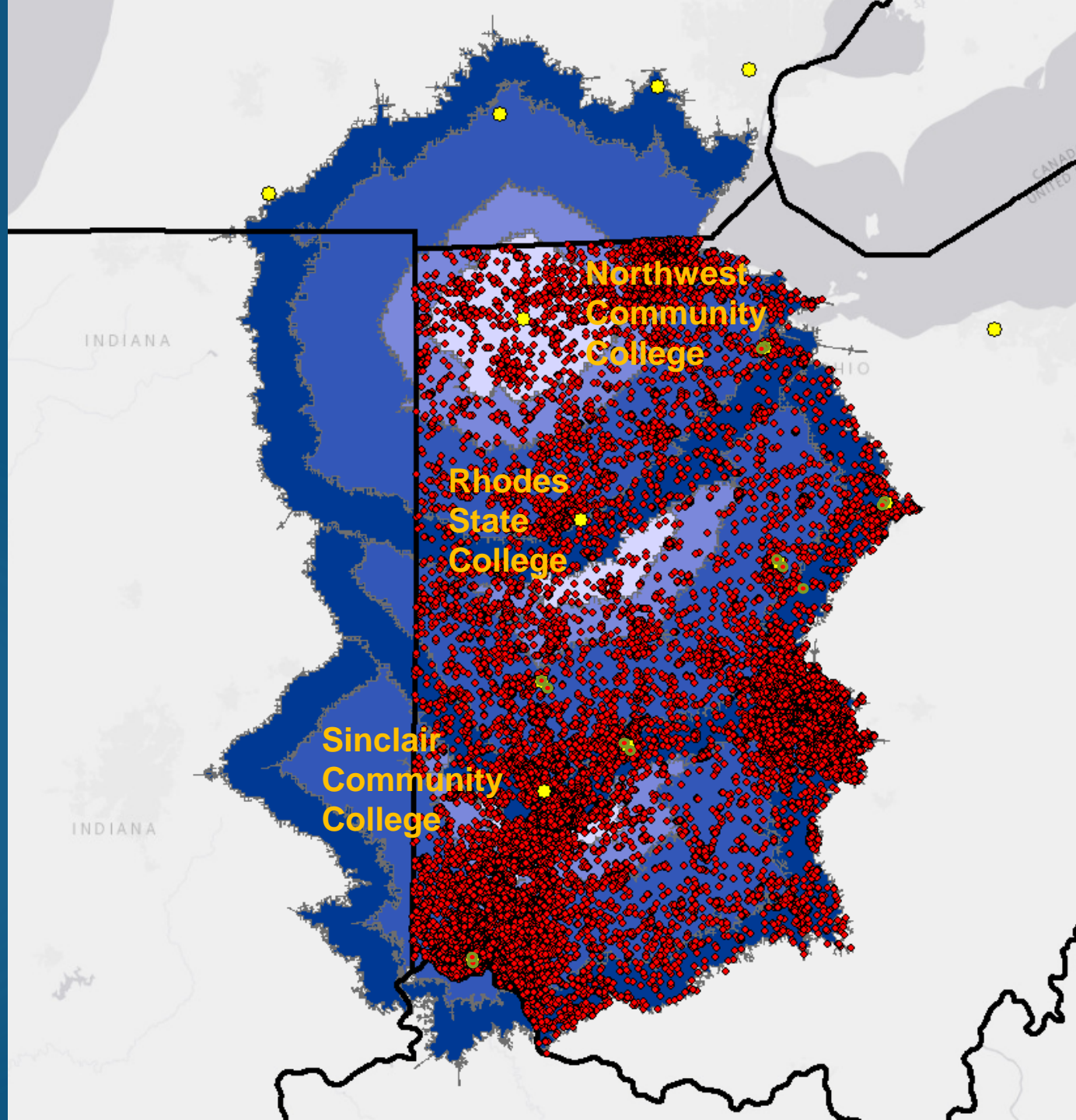
Collaborative Effort

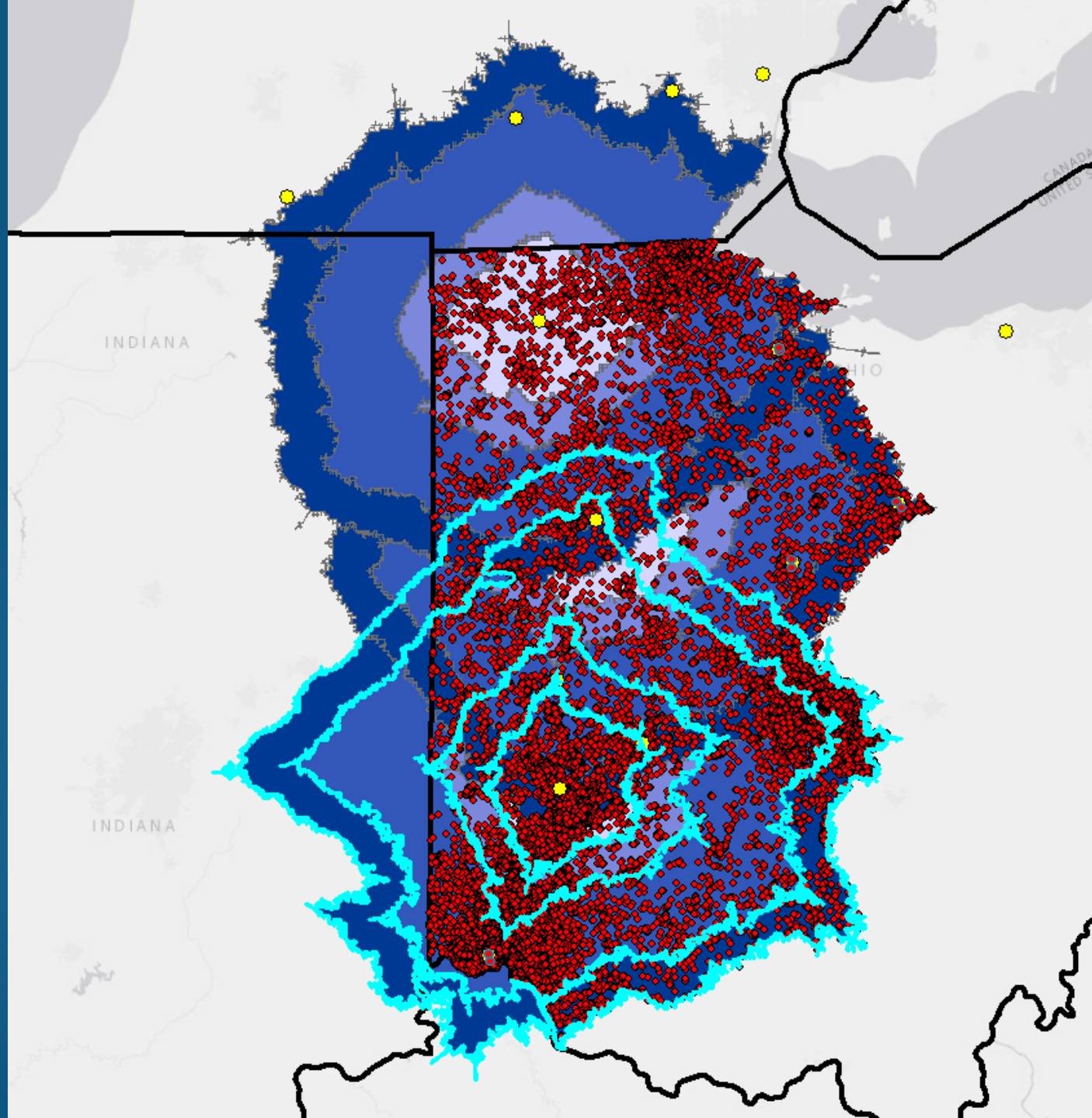
- ▶ Provided to every community college
- ▶ Second round of Field notes
- ▶ Based on ACT product, with input and modifications based on AACCC recommendations
- ▶ 1st round based on congressional district
- ▶ 2nd round attempt to define service area

El Paso Community College Service Area



Sinclair Community College Service Area





Guide to Your Constituency

PRES. JOHNSON

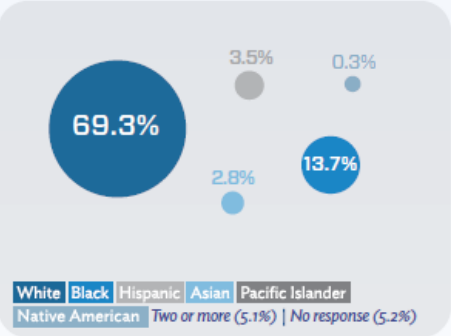
CLASS OF
2017

2 million
students took the ACT in 2017.
Of those, **92,747 students** were
from your state.

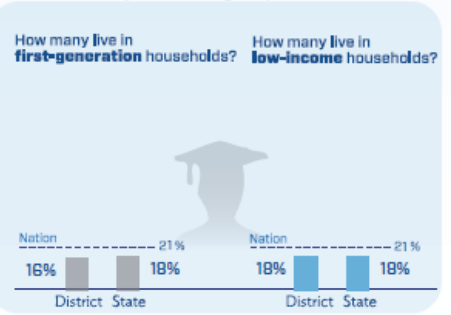
THIS REPRESENTS
75%
OF YOUR STATE'S 2017
HIGH SCHOOL GRADUATES.

In your district,
6,530 STUDENTS
took the ACT.

What are your students' racial/ethnic backgrounds?



What percentage of your students come from underrepresented groups?



Are your students ready for college?

The ACT test is the most frequently taken college entrance exam in the U.S. The chart below shows the ACT Composite score distribution for students in your district, state, and nation.

ACT COMPOSITE	DISTRICT	STATE	NATION
1-18	26%	28%	38%
19-23	35%	35%	30%
24-36	39%	37%	32%

...But college readiness is more than ONE number.

Along with their ACT Composite score, students also receive scores in four subject areas – Math, Science, English, and Reading – along with target (or “Benchmark”) scores that will help them gauge their likelihood of earning a B or C in credit-bearing first-year college courses. The percentages of students who met at least three of these four Benchmark scores are provided below.

STUDENTS IN YOUR DISTRICT WHO MET AT LEAST 3 OF 4 COLLEGE-READY BENCHMARK SCORES

Overall	50%	State: 46% Nation: 39%
First Generation	26%	State: 26% Nation: 19%
Low Income	25%	State: 25% Nation: 19%

How many students in your district go to college?

Unfortunately, low-income and first-generation students lag behind their peers in their college enrollment rates. Below is a comparison of the college-going rates of these traditionally underrepresented students in your district, state, and nation.

OVERALL

District	79%	5,161
State	74%	68,767
Nation	66%	1,275,164

FIRST GENERATION

District	66%	684
State	61%	10,284
Nation	53%	223,705

LOW INCOME

District	69%	824
State	62%	10,107
Nation	55%	235,670

Are your students attending their first choice college?

Where students send their ACT scores is a good indication of which colleges they would like to attend. More often than not, students from underrepresented groups are less likely than their peers to enroll in their top choice colleges.

Top 3 first-choice and first-enrolled colleges of all students

FIRST CHOICE	FIRST ENROLLED
1. Wright State U-Main Campus	1. Wright State U-Main Campus
2. Ohio State U-Main Campus	2. Sinclair Comm College
3. U of Cincinnati-Main Campus	3. U of Cincinnati-Main Campus

Top 3 first-choice and first-enrolled colleges of underrepresented students

FIRST CHOICE	FIRST ENROLLED
1. Wright State U-Main Campus	1. Sinclair Comm College
2. Ohio State U-Main Campus	2. Wright State U-Main Campus
3. U of Cincinnati-Main Campus	3. U of Dayton



STEM Careers: Are your students interested and ready?

In your state, **40%** of ACT-tested students from the class of 2017 reported being interested in either a STEM major or career. **26%** are prepared for first-year college coursework related to these careers.

Is your state work ready?

- **58** large employers (with 500+ employees) recognize or recommend the NCRC.
- **4%** of all counties participate in ACT Work Ready Communities.
- There are **3** ACT Work Ready Certified counties in your state.

Is your workforce ready?

ACT's National Career Readiness Certificate (NCRC) matches individuals with jobs and advancement opportunities, and employers with qualified workers. The NCRC is a single credential with four levels – **Platinum, Gold, Silver, and Bronze**. For more information about the NCRC and ACT Work Ready Communities, visit workreadycommunities.org.

NUMBER OF CERTIFIED WORKERS IN YOUR STATE BY NCRC LEVEL

Platinum	128
Gold	1,624
Silver	5,758
Bronze	2,704



2 million

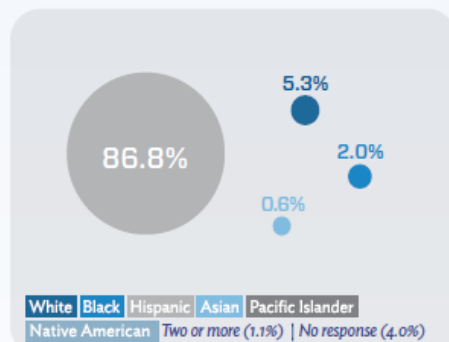
students took the ACT in 2017.
Of those, **146,860 students** were
from your state.

THIS REPRESENTS

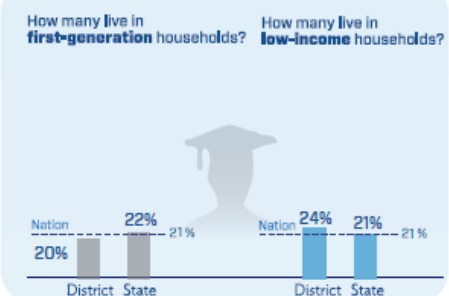
45%

OF YOUR STATE'S 2017
HIGH SCHOOL GRADUATES.In your district,
5,988
STUDENTS
took the ACT.

What are your students' racial/ethnic backgrounds?



What percentage of your students come from underrepresented groups?



Are your students ready for college?

The ACT test is the most frequently taken college entrance exam in the U.S. The chart below shows the ACT Composite score distribution for students in your district, state, and nation.

ACT COMPOSITE	DISTRICT	STATE	NATION
1-18	61%	40%	38%
19-23	29%	31%	30%
24-36	11%	29%	32%

...But college readiness is more than ONE number.

Along with their ACT Composite score, students also receive scores in four subject areas – Math, Science, English, and Reading – along with target (or “Benchmark”) scores that will help them gauge their likelihood of earning a B or C in credit-bearing first-year college courses. The percentages of students who met at least three of these four Benchmark scores are provided below.

STUDENTS IN YOUR DISTRICT WHO MET AT LEAST 3 OF 4 COLLEGE-READY BENCHMARK SCORES

Overall	17%	State: 37% Nation: 39%
First Generation	10%	State: 18% Nation: 19%
Low Income	13%	State: 18% Nation: 19%

How many students in your district go to college?

Unfortunately, low-income and first-generation students lag behind their peers in their college enrollment rates. Below is a comparison of the college-going rates of these traditionally underrepresented students in your district, state, and nation.

OVERALL

District	66%	3,970
State	72%	106,201
Nation	66%	1,275,164

FIRST GENERATION

District	60%	713
State	62%	19,862
Nation	59%	223,705

LOW INCOME

District	66%	949
State	64%	20,116
Nation	55%	235,670

Are your students attending their first choice college?

Where students send their ACT scores is a good indication of which colleges they would like to attend. More often than not, students from underrepresented groups are less likely than their peers to enroll in their top choice colleges.

Top 3 first-choice and first-enrolled colleges of all students

FIRST CHOICE	FIRST ENROLLED
1. U of Texas-El Paso	1. U of Texas-El Paso
2. U of Texas-Austin	2. El Paso Comm Coll
3. El Paso Comm Coll	3. U of Texas-Austin

Top 3 first-choice and first-enrolled colleges of underrepresented students

FIRST CHOICE	FIRST ENROLLED
1. U of Texas-El Paso	1. U of Texas-El Paso
2. El Paso Comm Coll	2. El Paso Comm Coll
3. U of Texas-Austin	3. New Mexico State U-Dona Ana



STEM Careers: Are your students interested and ready?

In your state, **43%** of ACT-tested students from the class of 2017 reported being interested in either a STEM major or career. **24%** are prepared for first-year college coursework related to these careers.

Is your state work ready?

- **27** large employers (with 500+ employees) recognize or recommend the NCRC.
- **3%** of all counties participate in ACT Work Ready Communities.
- There are **2** ACT Work Ready Certified counties in your state.

Is your workforce ready?

ACT's National Career Readiness Certificate (NCRC) matches individuals with jobs and advancement opportunities, and employers with qualified workers. The NCRC is a single credential with four levels – **Platinum, Gold, Silver, and Bronze**. For more information about the NCRC and ACT Work Ready Communities, visit workreadycommunities.org.

NUMBER OF CERTIFIED WORKERS IN YOUR STATE BY NCRC LEVEL

Platinum	115
Gold	1,641
Silver	4,768
Bronze	1,746

ACT

 AMERICAN
ASSOCIATION OF
COMMUNITY
COLLEGES



Measuring Community College Student Outcomes



Voluntary
Framework of
Accountability

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The first comprehensive
national accountability system
created For community
colleges, By community
colleges.



2018 VFA Data Collection Now Closed



Webinars

Register today.



Participation

About VFA participation.



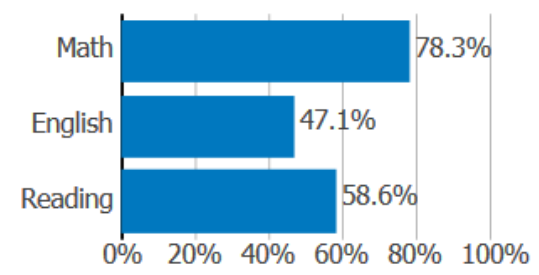
Participant List

View VFA Colleges

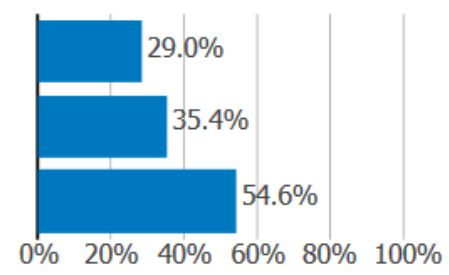
Developmental Outcomes across Subjects by Cohort Type

Main Cohort

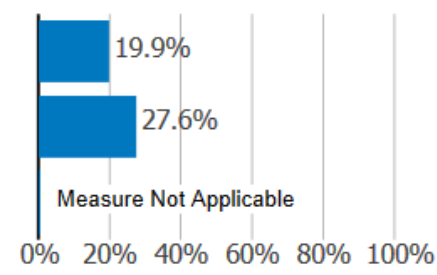
Attempted Dev Course (By Referral)



Became College Ready*

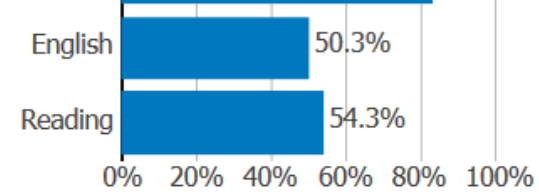


Completed College Course*

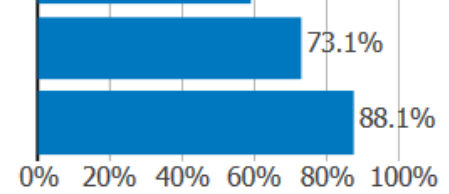


Credential Seeking

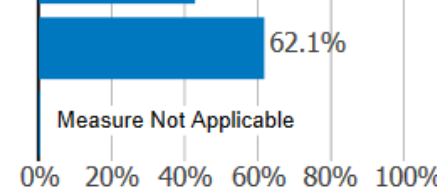
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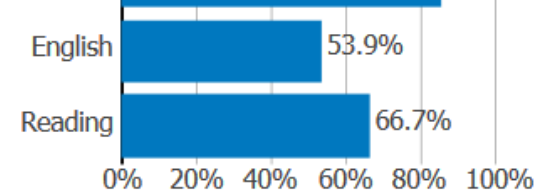


Completed College Course*

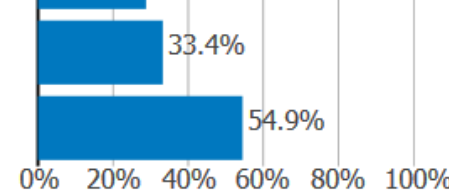


First Time in College

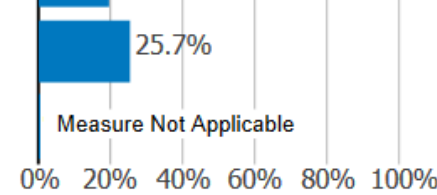
Attempted Dev Course (By Referral)



Became College Ready*



Completed College Course*



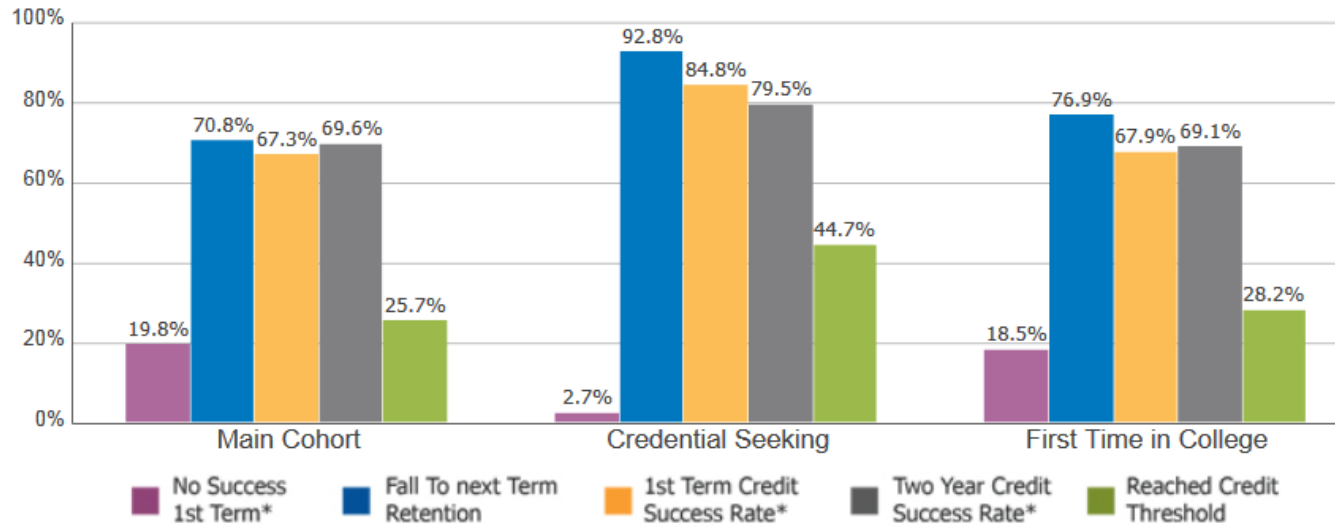
Two-Year Progress Measures

These measures report milestones along the educational pathway and persistence/attainment outcomes by the end of a student's first two years at the college.

The persistence/attainment outcomes by the end of year two provide an early indicator of the cohort's performance. These outcomes are not exhaustive and will not sum to 100% of the students in the cohort. The outcomes are:

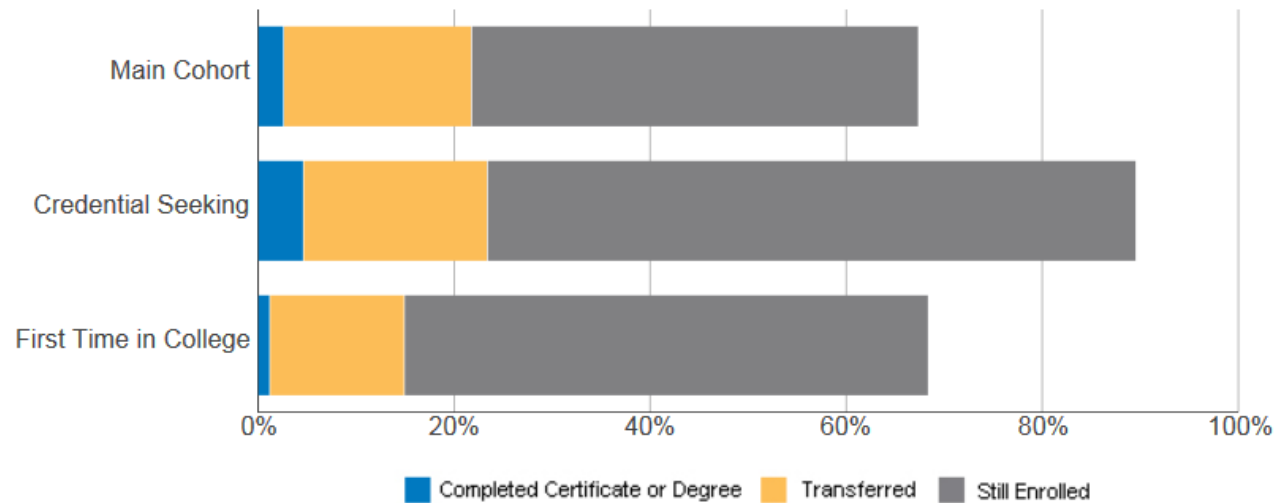
- Unduplicated
- Hierarchical
- Achieved by the end of two years
- Credentials earned at the **reporting** college

Progress by End of Year Two by Cohort Type



Persistence/Attainment Outcomes by End of Year Two by Cohort Type

	Cohort Count	Completed	Transferred	Still Enrolled
Main Cohort	11,102	2.7%	19.1%	45.6%
Credential Seeking	6,352	4.8%	18.7%	66.1%
First Time in College	5,382	1.4%	13.7%	53.4%



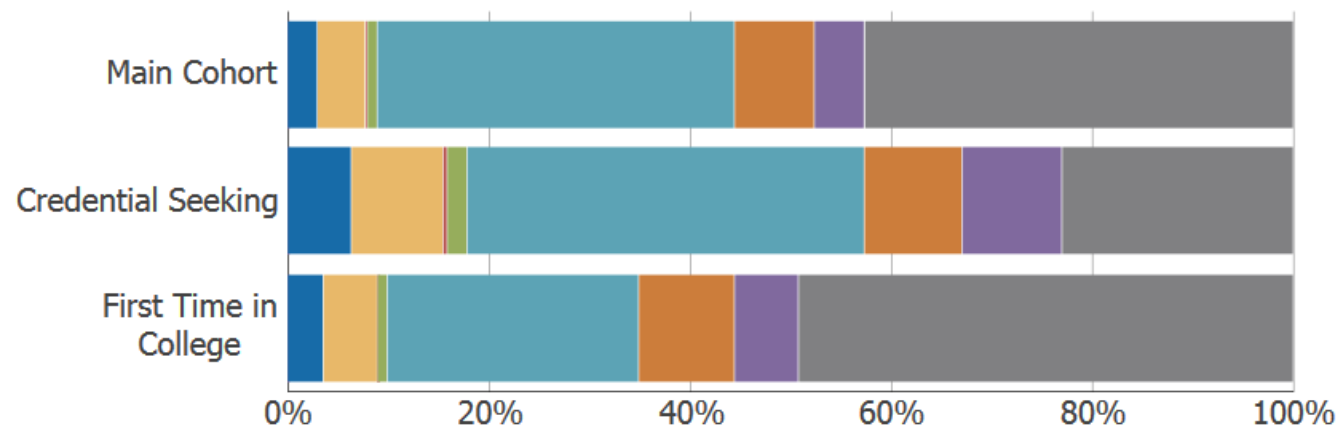
Six-Year Outcomes

Each student in the cohort is counted in only one of the Six-Year Outcomes and the sum of all of the outcomes will total 100% of the cohort.

The Six-Year Outcomes are:

- Unduplicated
- Hierarchical
- Achieved by the end of six years
- Credentials earned at your college.

Outcomes by the end of Six Years by Cohort Type

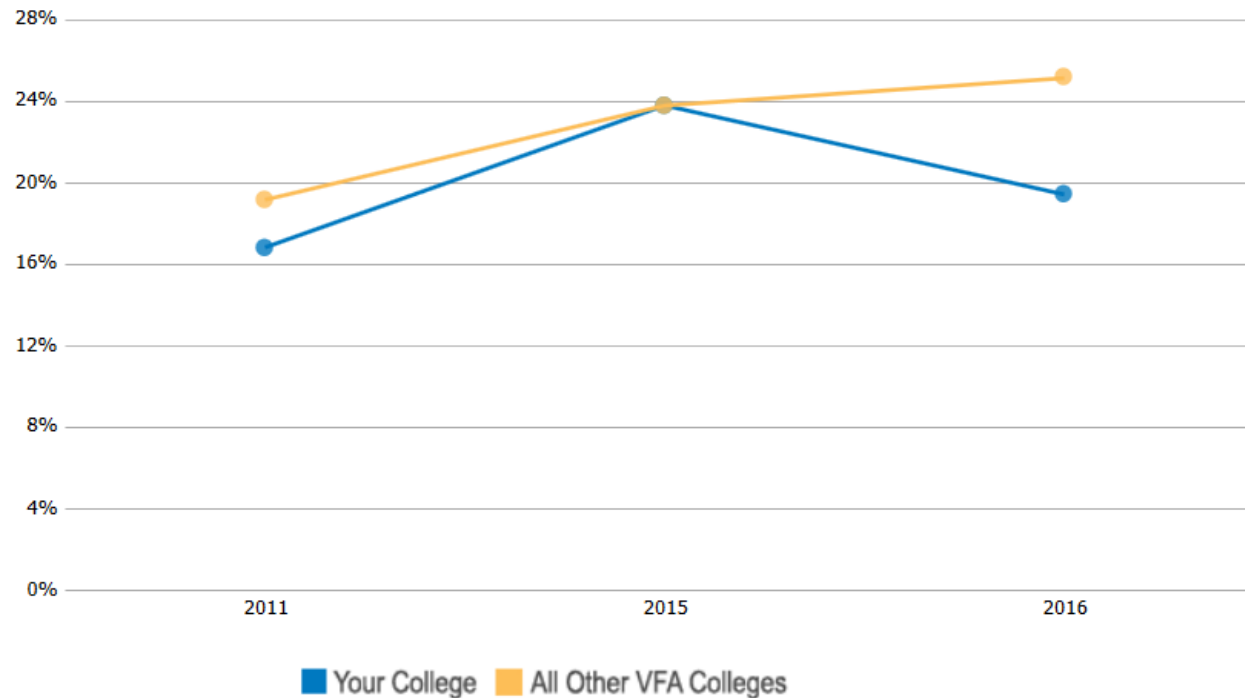


Outcomes	Main Cohort	Credential Seeking	First Time in College
Cohort Count	13,406	6,277	5,951
Bachelor's	N/A	N/A	N/A
Associate (Transfer)	3.0%	6.2%	3.6%
Associate (No Transfer)	4.6%	9.3%	5.2%
Certificate (Transfer)	0.2%	0.4%	0.1%
Certificate (No Transfer)	1.1%	2.0%	0.9%
No Award (Transfer)	35.6%	39.5%	25.2%
Still Enrolled	7.9%	9.6%	9.5%
Left with > or = 30 credits	5.0%	10.0%	6.3%
Left with < 30 credits	42.6%	22.9%	49.2%

Gateway Completion, Persistence, and College Course Completion KPIs

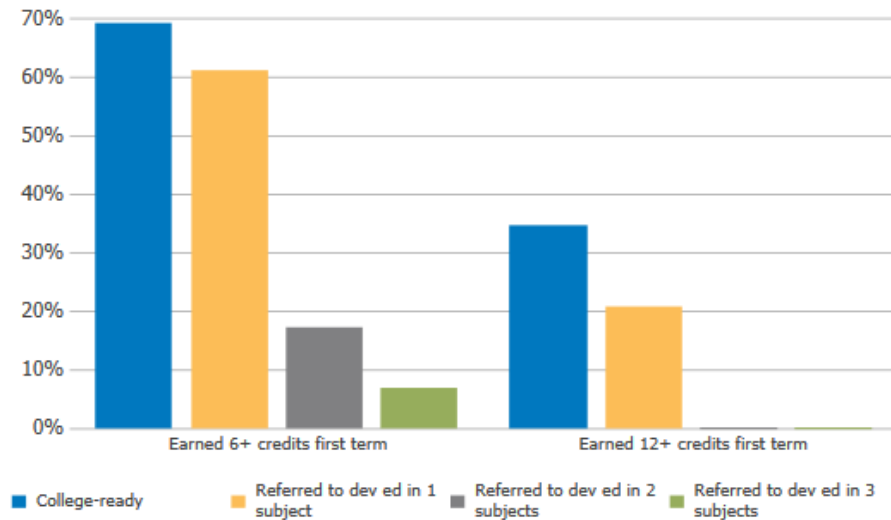
Cohort Year	Passed college math in year 1	Passed college English in year 1	Passed college English & math in year 1	Persisted from term 1 to term 2	Total college credits attempted	Total college credits completed	Credit pass rate
2011	16.8% 114	51.8% 351	12.6% 85	82.0% 555	13,983	10,037	71.8%
2015	23.8% 125	50.1% 263	17.9% 94	76.6% 402	10,396	7,667	73.7%
2016	19.4% 90	47.1% 218	17.3% 80	72.8% 337	8,580	6,185	72.1%

Main Cohort Passed College Math in Year 1

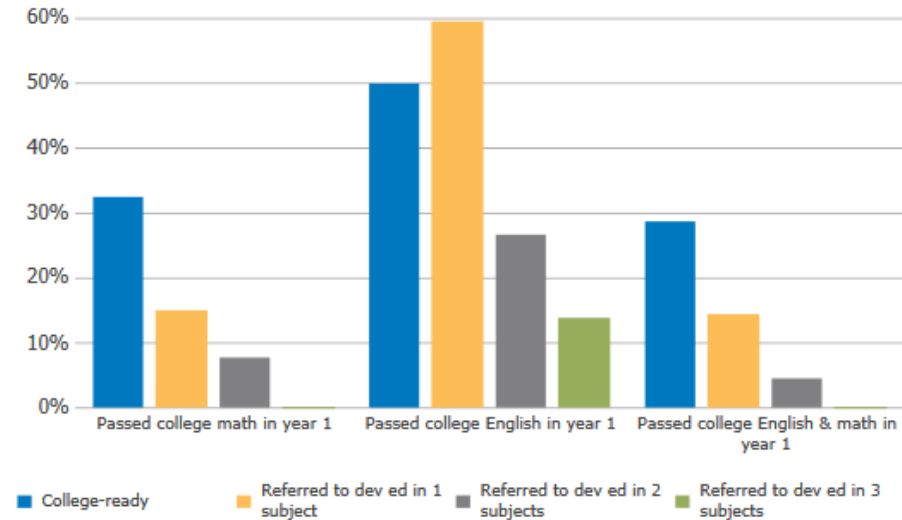


College Readiness Status Disaggregation - Fall 2016 Main Cohort

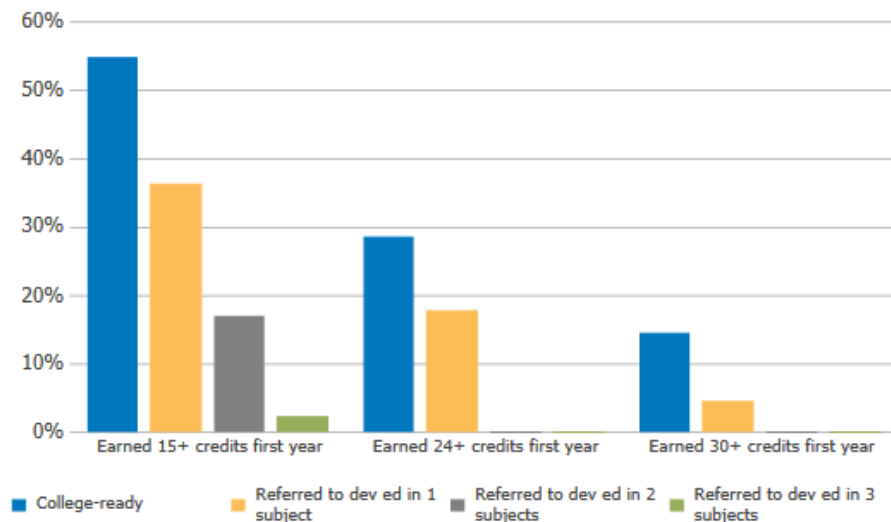
First Term Credit Completion Rate by College Readiness



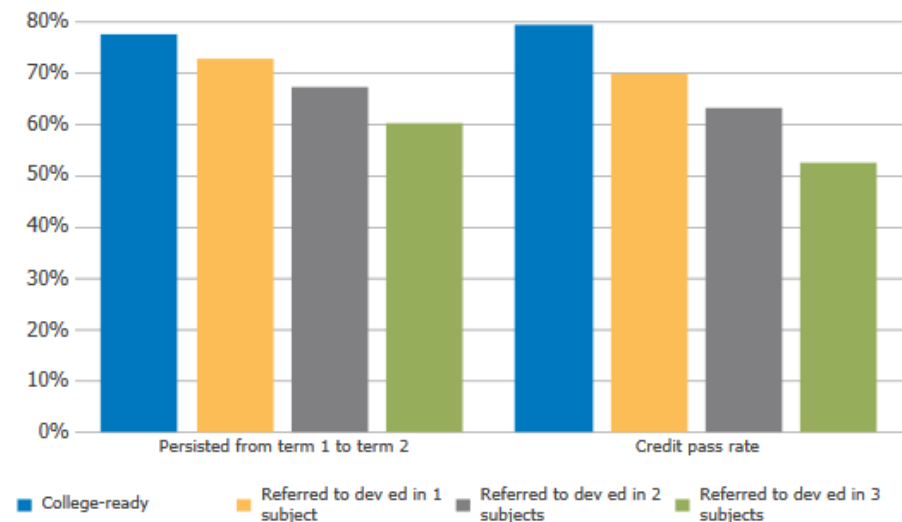
College Course Completion Rate by College Readiness Status



Year 1 Credit Completion Rate by College Readiness Status



Persistence and Credit Pass Rate by College Readiness Status



Early support for value of leading indicators for predicting success

Correlation between VFA Colleges for Select Early Indicators and Select Six-Year Outcomes: 2011 Main Cohort

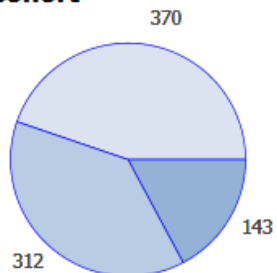
Six Year Outcome	Earned 6 Credits Term One	Earned 15 Credits Year One	Reached Credit Threshold	Completed College English	Completed College Math
Persistence/Completion Rate	0.518 **	0.532 **	0.575 **	0.453 **	0.437 **
Credential Completion Rate	0.549 **	0.639 **	0.777 **	0.378 **	0.531 **
Transfer Rate (with or without credential)	0.211 **	0.193 *	0.207 **	0.305 **	0.142

Credit Career & Technical Education (CTE) Measures

CTE Completer/Leaver Cohort Profile

Credit Completer/Leaver Cohort

Total Credit Completers/Leavers	825
Awarded Associates Degree	143
Completed Certificate	312
Left with No Award	370



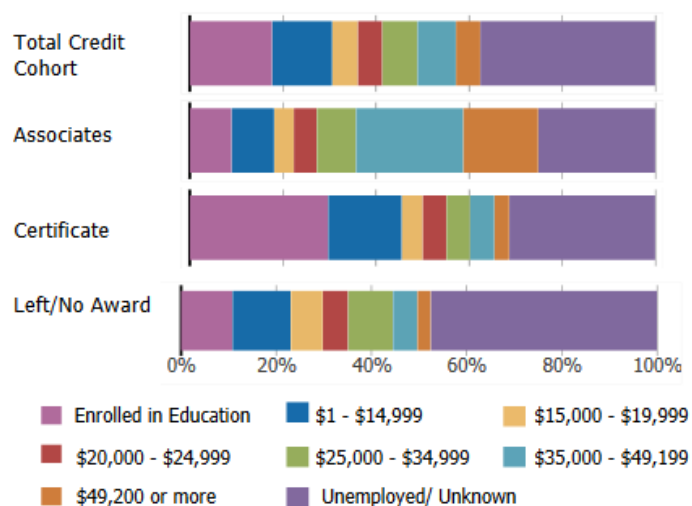
Credit Completers/Leavers With Prior Awards

Prior Bachelor's + Prior Associate Total Prior Awards

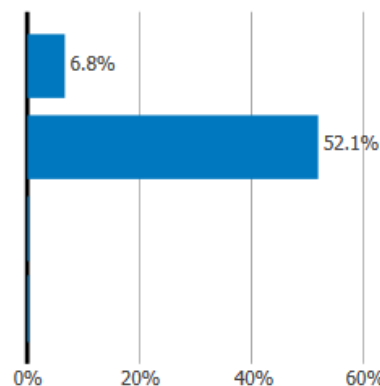
Total Credit Cohort	10 (1.2%)	2 (0.2%)	12 (1.5%)
Awarded Associates	2 (1.4%)	N/A (0.0%)	2 (1.4%)
Completed Certificate	4 (1.3%)	1 (0.3%)	5 (1.6%)
Left with No Award	4 (1.1%)	1 (0.3%)	5 (1.4%)

Outcomes of CTE Completers/Leavers: Credit

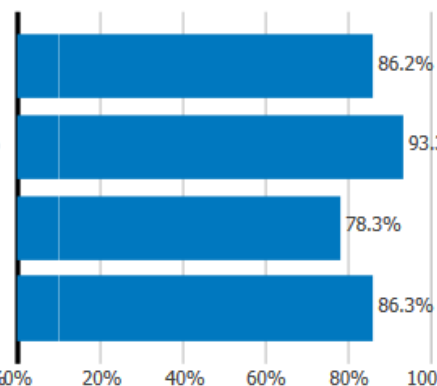
Education and Earnings



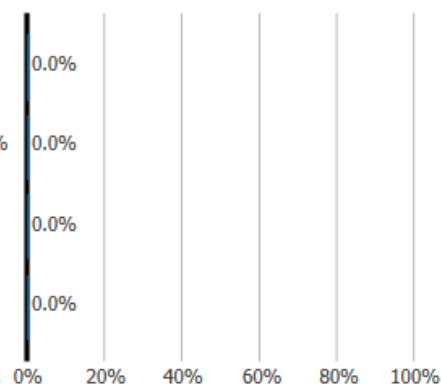
Median Wage Growth



Licensure Exam Pass Rate



Industry Recognized Credential





Thanks

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