Competency-Based Education:

USING DATA DASHBOARDS FOR INSIGHT AND POWERUL STORIES

INSTITUTE FOR
Competency-
Based Education
A&M-COMMERCE

YOUR PRESENTERS

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Institutional Effectiveness
SACSCOC Accreditation Liaison

TEXAS A&M UNIVERSITY
COMMERCE

- FOUNDED IN 1889
- PUBLIC, DOCTORAL, R2
- 13,000

COMPETENCY-BASED EDUCATION

Competency-based education is a flexible way for students to get credit for what they know; build on their knowledge and skills by learning more at their own pace; and earn high-quality degrees, certificates, and other credentials that help them in their lives and careers. Students in these programs show what they know and how well they know it through multiple ways of evaluating their learning. This is another choice for learning offered at some institutions through a variety of programs, with full support to help students when needed.

Traditional:
TIME IS FIXED AND LEARNING VARIABLE

Key Differences:
Competencies
Instruction/Learning
Assessments

CBE:
LEARNING IS FIXED AND TIME VARIABLE

"This is a game-changing innovation for higher education that has the potential to reshape the way that we deliver higher education in Texas. But [it] is also firmly grounded in the A&M Commerce mission of creating a pathway for students to earn the degree that will forever transform their lives and reshape their futures." **– Dr. Dan Jones**

"To be honest, the process has not been an easy one (I jokingly said we were not on the cutting edge, but rather on the bleeding edge of innovation), but the reward of seeing students achieve their dreams has been worth it."
– Dr. Mary Hendrix,

TEXAS AFFORDABLE BACCALAURATE

The Texas Affordable Baccalaureate (TAB) program is a lower-cost degree. As of 2018, there are 6 TAB programs in the state of Texas. Tuition for this degree is $750 per term. Students are able to accelerate through as many courses per term as possible, provided they demonstrate mastery of the subjects. A student entering the program with no prior college credit should be able to complete the degree in three years for between $13,000 and $15,000.

TAB – BAAS Organizational Leadership

AT A GLANCE

B.A.A.S in Organizational Leadership

Competency-based program

99 Competencies mapped to 120 SCH

Delivered 100% online

Subscription Model - $750 per term

SACSCOC Accredited University

Competencies defined by faculty and advisory board

Launched Spring 2014

Learn more at www.tamuc.edu/TAB

DASHBOARD BACKGROUND

- Raw student reports in spreadsheet format
- No real-time KPIs available for the CBE program
- No automated historical overview of program performance
- Numerous data request to IER/ICBE offices
- Manual intensive data collection process

LOCALLY DEVELOPED

- Cost efficient
- Leveraged existing university software
- Developed in less than 2 months
- Partnership between IER & ICBE
- Better use of staff time & resources

INTERNAL USERS

- Department head
- Program manager
- Program staff
- IER & ICBE staff

DATA REQUESTS

- Student enrollment data
- Student demographic information
  - *Age Groups, Gender, Pell Status, Veteran Status*
- Performance Metrics
  - *Retention Rates, Grade Distribution, SCH Completion Rates*
- Efficiency Metrics
  - *Time-to-Completion, Cost-to-Completion*

Texas Higher Education Coordinating Board

DATA COLLECTION INITIATIVE

Statewide Measures of Effectiveness of the TAB Expansion Grant Program:

- Enrollment
- Program cost
- GPA
- Credit accrual rate
- Completion rate
- First-year earnings

Goals:

- Ten TAB programs serving 21,000 in the first 5 years
- Entire degree will cost less than $15,000
- TAB Graduates will perform as well or better than those in comparable traditional programs, institutions, and fields

DEFINING
CBE METRICS

https://evolllution.com/programming/program_planning/competency-based-education-the-importance-of-metrics-and-data-collection/

Competency-Based Education: The Importance of Metrics and Data Collection

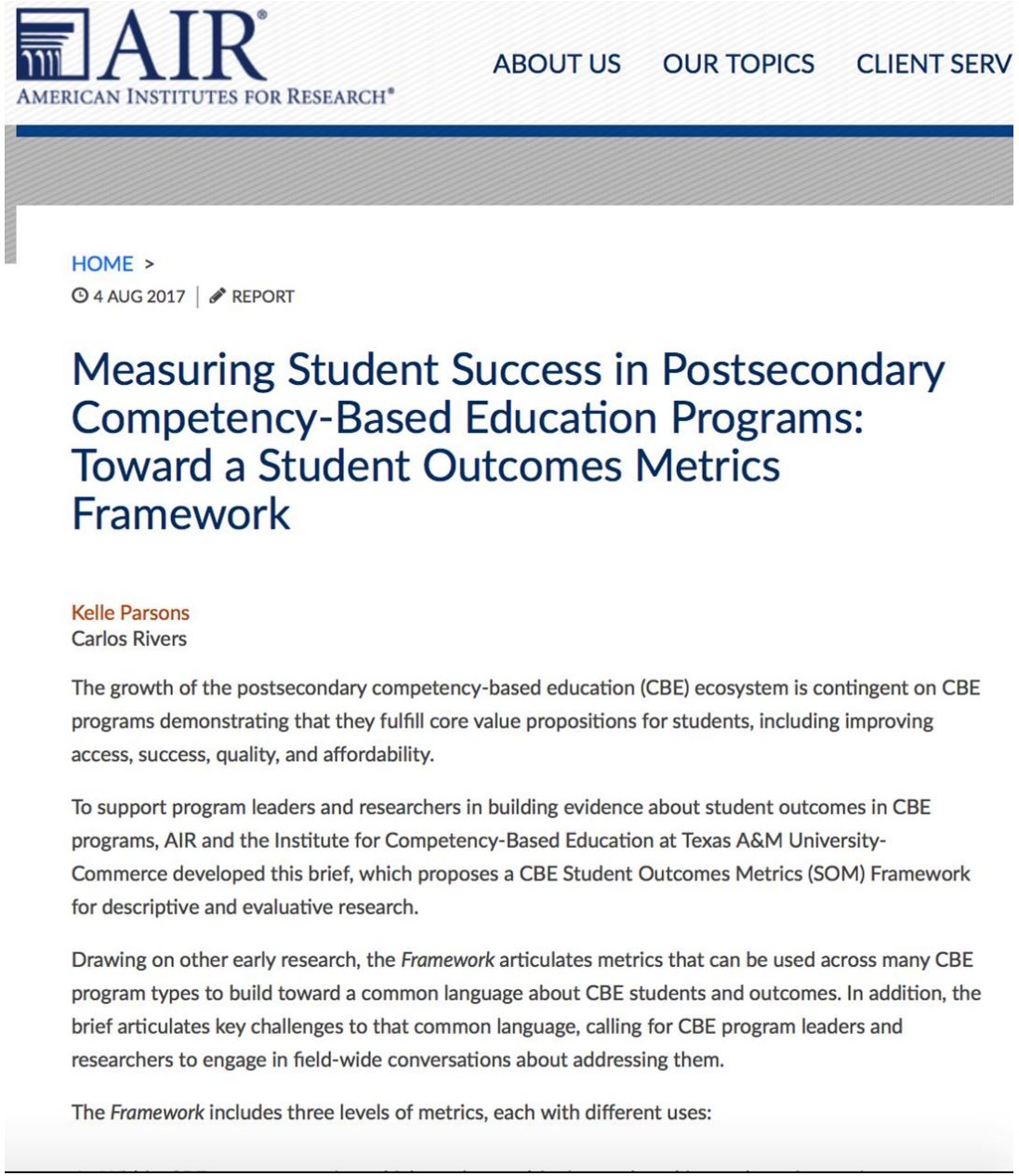
Carlos Rivers | Operations Research Analyst in the Institute for Competency-Based Education, Texas A&M University-Commerce

By understanding what metrics to track (and why) right from the get-go, competency-based programs can do a better job of showing their quality while allowing for rapid growth and improvement through data-driven decision making.

It's no secret that we are currently living in an age of accountability. As new education models come into play, constituents will demand evidence of the effectiveness of these programs.

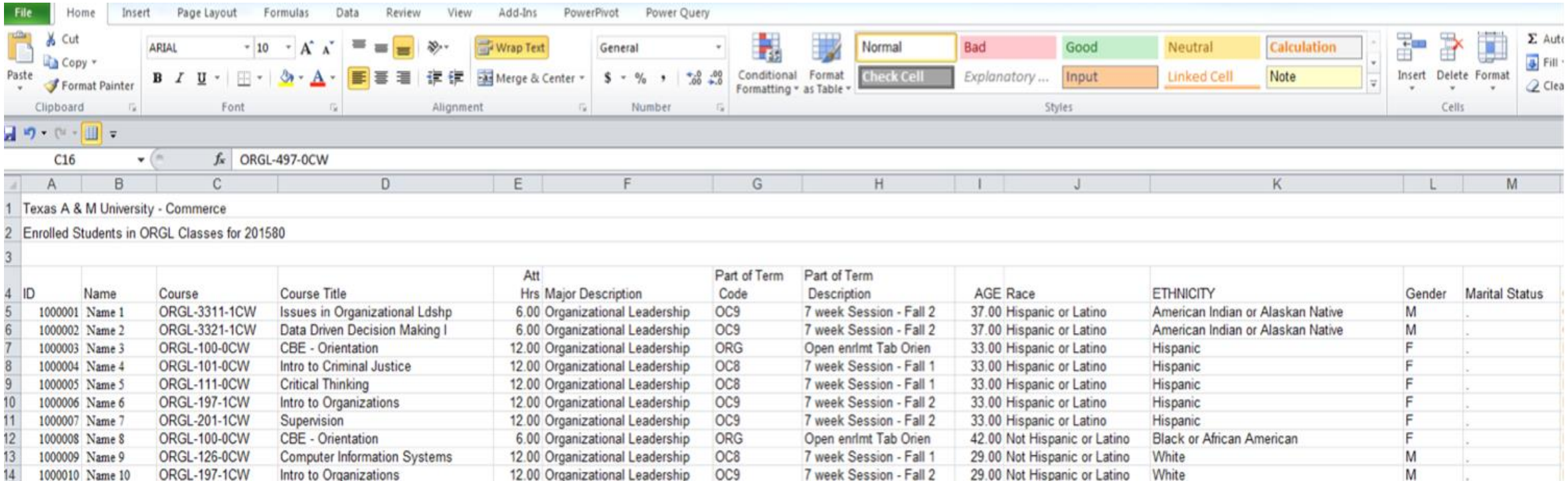
DEFINING
CBE METRICS

http://www.air.org/resource/measuring-student-success-postsecondary-competency-based-education-programs-toward-student



AUTOMATED REPORTS

- Student Raw data (No set KPIs)
- Static (Set Parameters)
- Intensive manual work
- No historical overview



C16 | ORGL-497-0CW

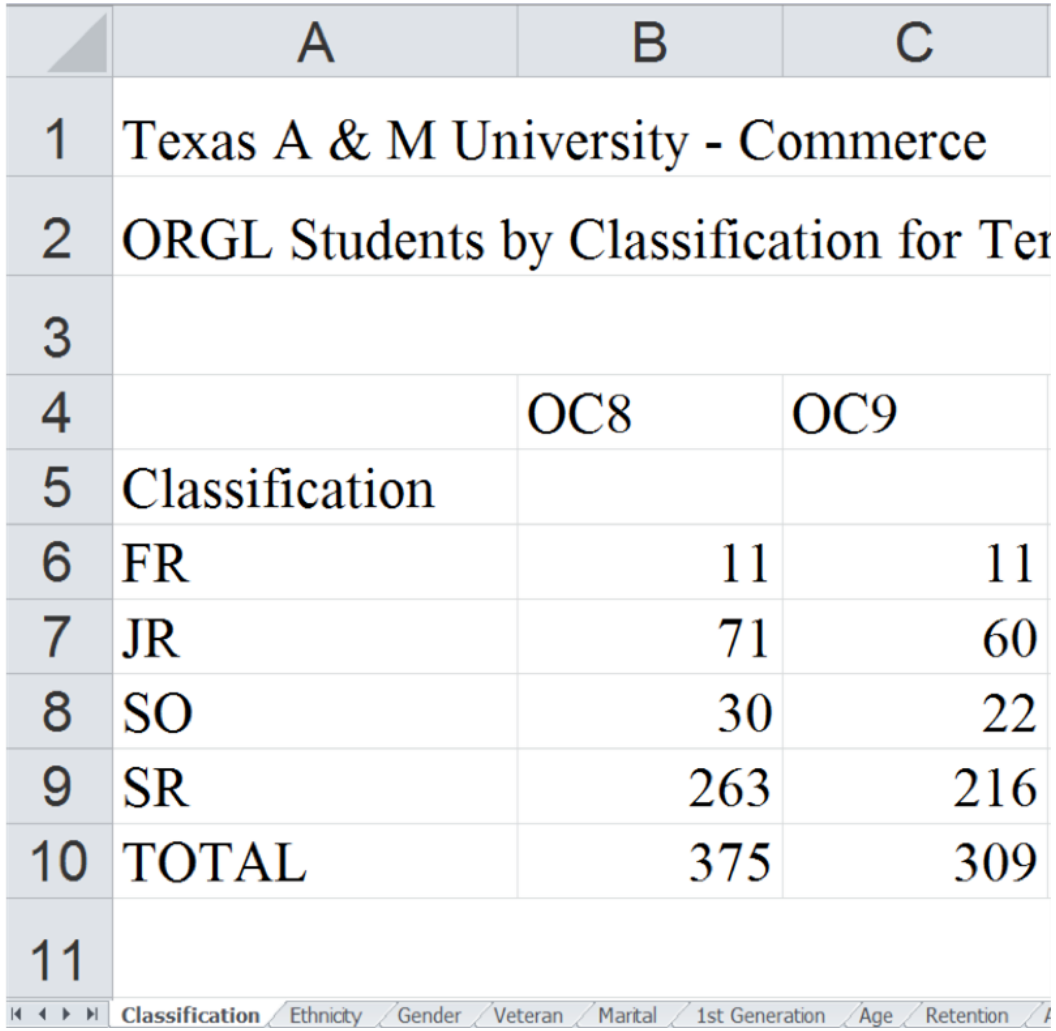
Texas A & M University - Commerce

Enrolled Students in ORGL Classes for 201580

ID	Name	Course	Course Title	Att Hrs	Major Description	Part of Term Code	Part of Term Description	AGE	Race	ETHNICITY	Gender	Marital Status
1000001	Name 1	ORGL-3311-1CW	Issues in Organizational Ldshp	6.00	Organizational Leadership	OC9	7 week Session - Fall 2	37.00	Hispanic or Latino	American Indian or Alaskan Native	M	.
1000002	Name 2	ORGL-3321-1CW	Data Driven Decision Making I	6.00	Organizational Leadership	OC9	7 week Session - Fall 2	37.00	Hispanic or Latino	American Indian or Alaskan Native	M	.
1000003	Name 3	ORGL-100-0CW	CBE - Orientation	12.00	Organizational Leadership	ORG	Open enrlmt Tab Orien	33.00	Hispanic or Latino	Hispanic	F	.
1000004	Name 4	ORGL-101-0CW	Intro to Criminal Justice	12.00	Organizational Leadership	OC8	7 week Session - Fall 1	33.00	Hispanic or Latino	Hispanic	F	.
1000005	Name 5	ORGL-111-0CW	Critical Thinking	12.00	Organizational Leadership	OC8	7 week Session - Fall 1	33.00	Hispanic or Latino	Hispanic	F	.
1000006	Name 6	ORGL-197-1CW	Intro to Organizations	12.00	Organizational Leadership	OC9	7 week Session - Fall 2	33.00	Hispanic or Latino	Hispanic	F	.
1000007	Name 7	ORGL-201-1CW	Supervision	12.00	Organizational Leadership	OC9	7 week Session - Fall 2	33.00	Hispanic or Latino	Hispanic	F	.
1000008	Name 8	ORGL-100-0CW	CBE - Orientation	6.00	Organizational Leadership	ORG	Open enrlmt Tab Orien	42.00	Not Hispanic or Latino	Black or African American	F	.
1000009	Name 9	ORGL-126-0CW	Computer Information Systems	12.00	Organizational Leadership	OC8	7 week Session - Fall 1	29.00	Not Hispanic or Latino	White	M	.
1000010	Name 10	ORGL-197-1CW	Intro to Organizations	12.00	Organizational Leadership	OC9	7 week Session - Fall 2	29.00	Not Hispanic or Latino	White	M	.

AUTOMATED METRICS

- Static (Set Parameters)
- Lack of data exploration
- No historical overview

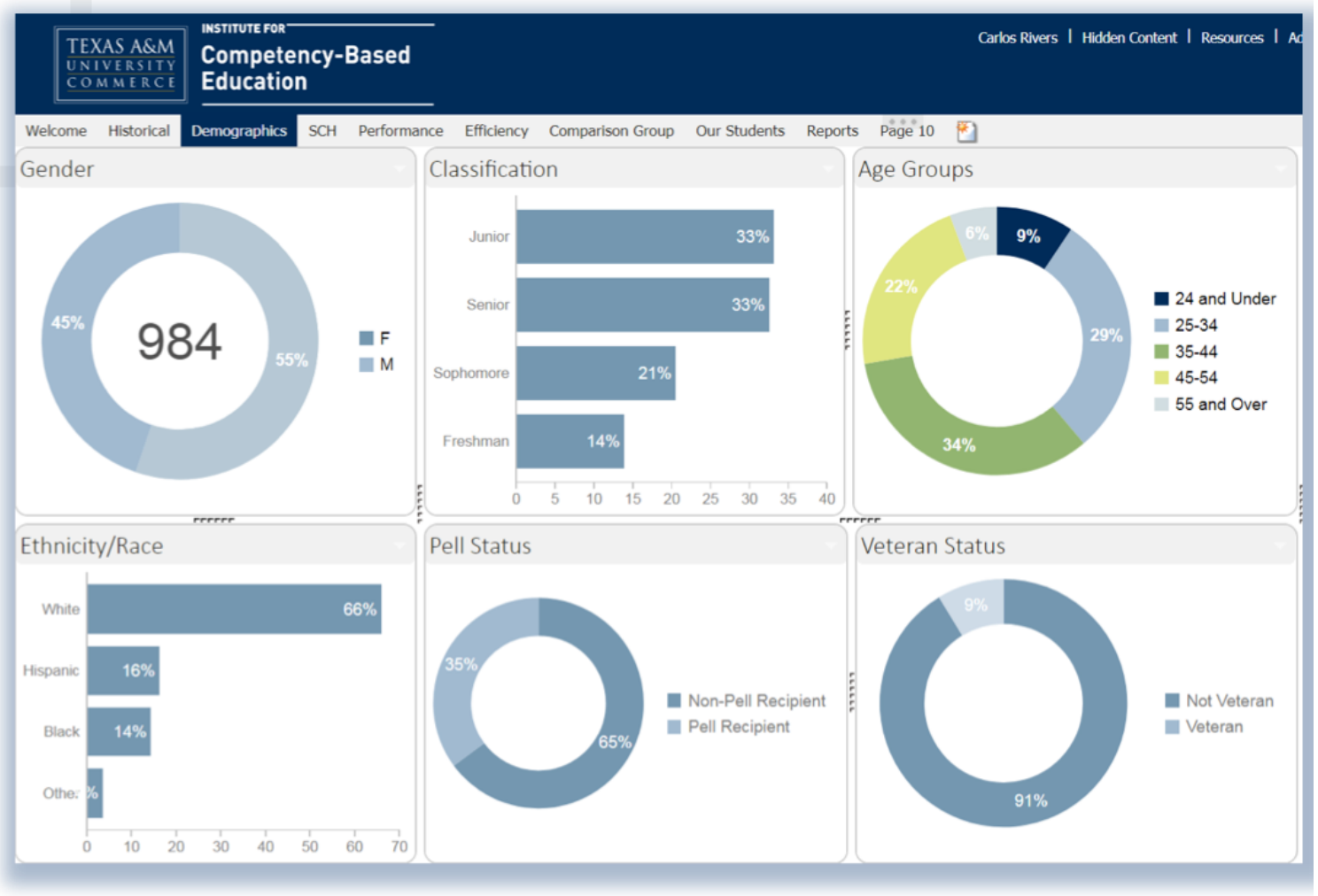


	A	B	C
1	Texas A & M University - Commerce		
2	ORGL Students by Classification for Ter		
3			
4		OC8	OC9
5	Classification		
6	FR	11	11
7	JR	71	60
8	SO	30	22
9	SR	263	216
10	TOTAL	375	309
11			

Classification | Ethnicity | Gender | Veteran | Marital | 1st Generation | Age | Retention

CBE DASHBOARD
DEMO

- Real-time KPIs
- Historical Overview
- Data Exploration
- No manual work
- User Friendly



Designed in Webfocus BI Portal

RESULTS
FOR THE STATE

60x30TX
Texas Higher Education Coordinating Board

60x30TX sets a bold path forward to dramatically increase Texas' postsecondary attainment and workforce readiness by the year 2030.

RESULTS

The TAB program is supporting all four goals of Texas' higher education 60x30TX strategic plan:

By 2030, at least 60 percent of Texans ages 25-34 will have a certificate or degree.

Completion

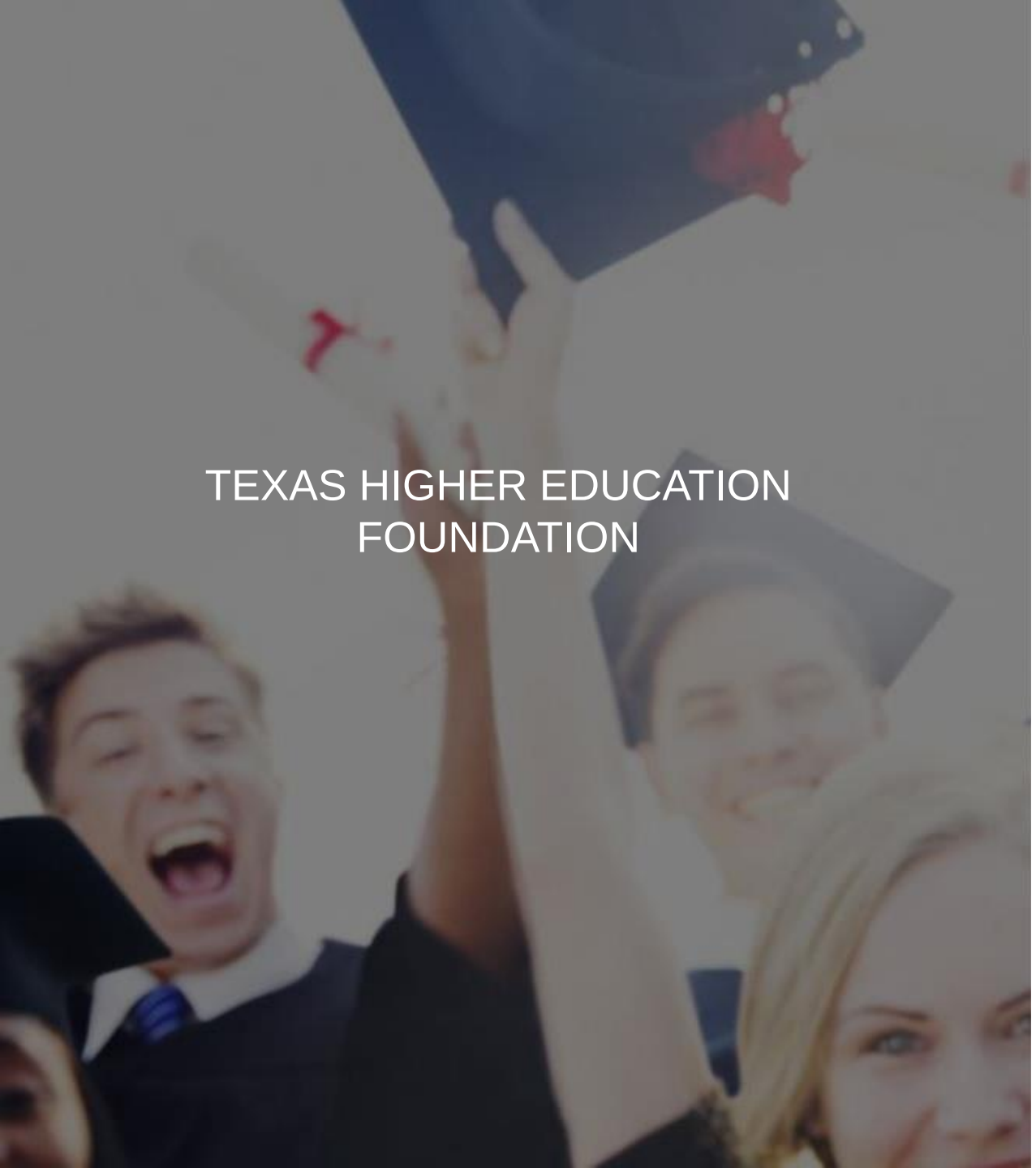
Marketable Skills

Reduce student debt

Competency-based education is proving to be one of the most effective models to serve this student population and is mentioned specifically as a strategy within 60x30TX.

?

ANY QUESTIONS?



FOR TEXAS INSTITUTIONS

- Six TAB program awarded so far.
- Texas Affordable Baccalaureate Grant Program Request for Proposals Released!

To submit a proposal for funding visit:
https://txhigheredfoundation.org/tab/

For more information contact Jennifer Nailos
TAB@thecb.state.tx.us

A sneak peek: Announcing the

National Survey of Postsecondary CBE!

You'll have an opportunity to learn more about how institutions like yours are offering competency-based education programs.

More information coming:

Spring 2018

Postsecondary Competency-Based Education Research

National Survey of Postsecondary Competency-Based Education | at American Institutes for Research

Have you ever wanted to know…

How many CBE programs are there?

What level are these programs, and at **what types** of institutions?

How many students are enrolled in CBE programs?

LEARN MORE

Practical Perspectives on CBE: A Webinar Series from the Institute for Competency-Based Education

A series designed to help you implement competency-based education at your institution. Leading CBE innovators will give tips and strategies on focused topics in CBE program development and delivery and answer questions on these hot topics. Join us for these free one-hour webinars!

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