



# Foresight 2020

## Fourth Annual Progress Report

Presented by Dr. Andy Tompkins

January 15, 2015

★ LEADING HIGHER EDUCATION ★

ATTAINMENT

ALIGNMENT

EXCELLENCE

# Three Strategic Goals

- Increase Higher Education Attainment Among Kansans
- Improve Alignment of the State's Higher Education System with the Needs of the Economy
- Ensure State University Excellence

# Goal 1: Increase Higher Education Attainment Among Kansans

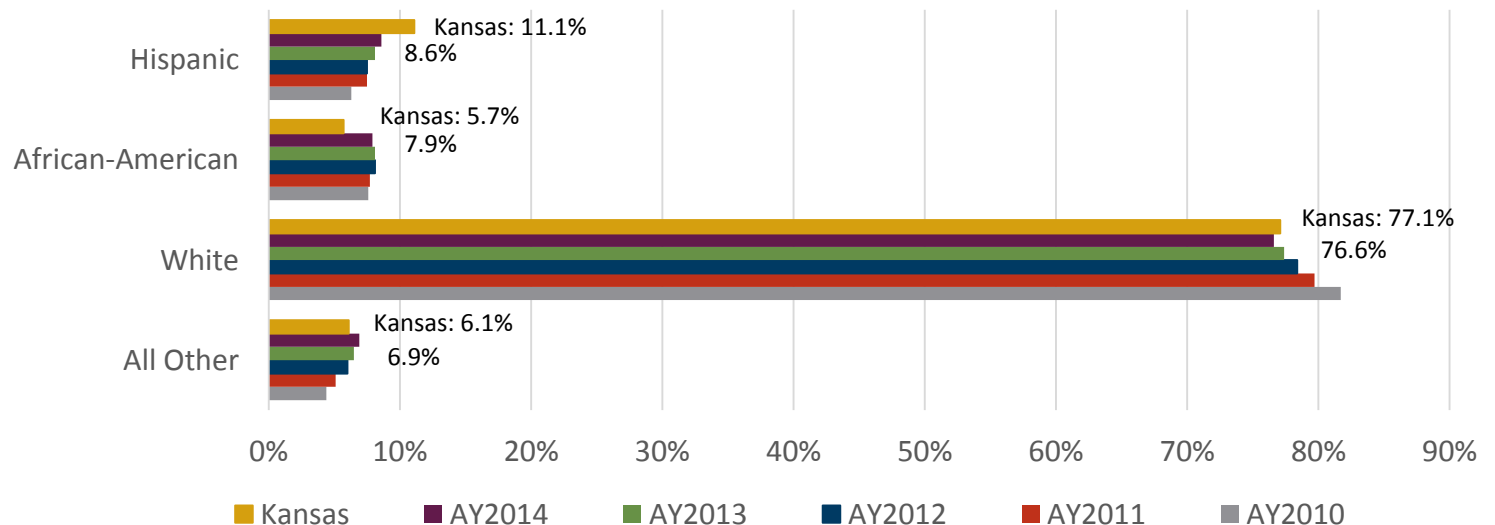
What measures did we decide to examine in order to better understand how to increase the number of Kansans with a postsecondary certificate/degree?

- Enrollment in higher education institutions compared to state demographics including underrepresented groups and national trends
- Retention and graduation rates of students enrolled in our higher education institutions as well as a more holistic view of student success
- The number of certificates and degrees awarded by public higher education institutions
- The gap between the current and desired number of certificates and degrees awarded
- Success at attracting students with some college to return to complete a certificate or degree

# Goal 1: Increase Higher Education Attainment Among Kansans

Progress - Enrollment in higher education institutions compared to state demographics including underrepresented groups and national trends

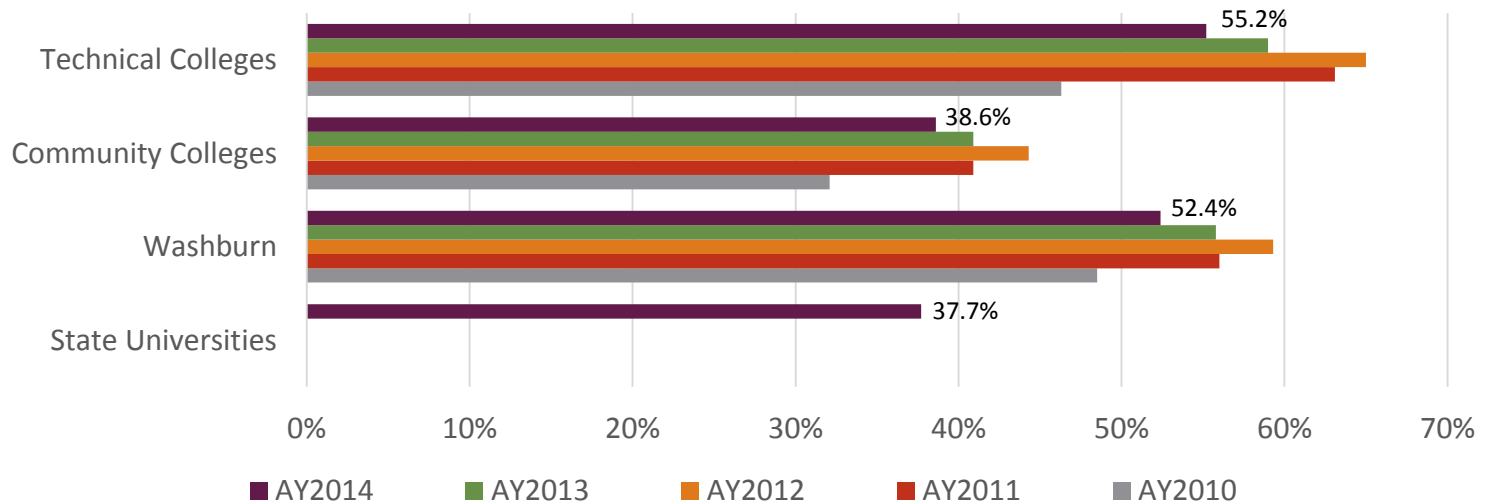
- Higher education institutions are generally more diverse than the state as a whole, and there continues to be strong participation by African-American students and enrollment growth among Hispanic students.



# Goal 1: Increase Higher Education Attainment Among Kansans

Progress - Enrollment in higher education institutions compared to state demographics including underrepresented groups and national trends

- In AY2014, 39.5 % of the students at our public postsecondary institutions received Pell Grants which is slightly above the national average of 38%.



# Goal 1: Increase Higher Education Attainment Among Kansans

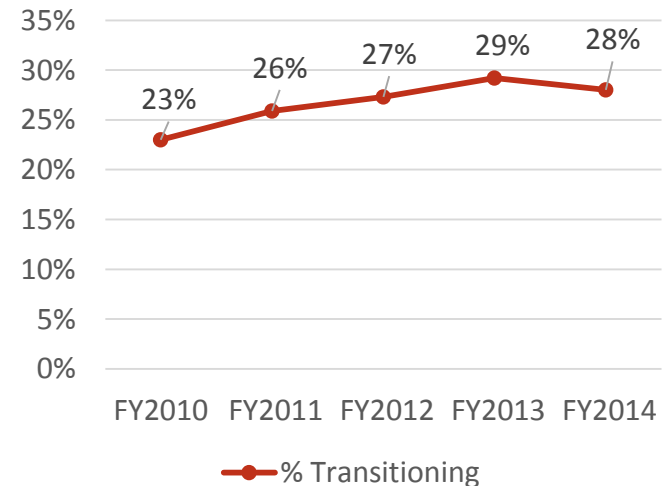
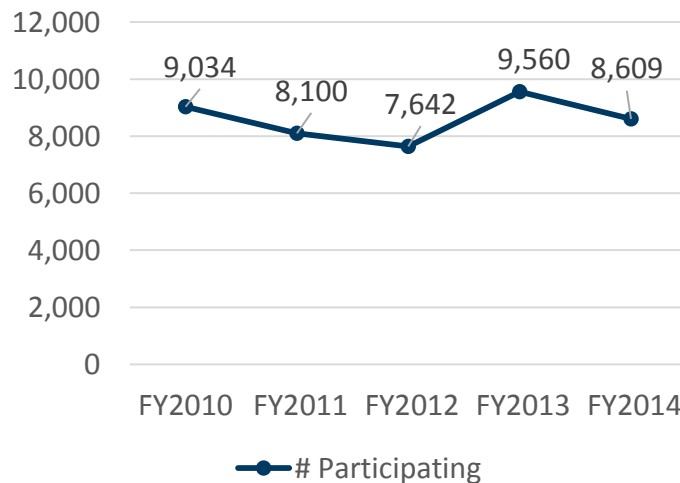
Progress - Enrollment in higher education institutions compared to state demographics including underrepresented groups and national trends

- There has been an increase in participation among students under 18 and those ages 18-19, and a decrease among students over 25.
- There has been notable positive change in the trend among Kansas adults 18-24 attaining an associate degree or higher.
- Across all four age groups, Kansas attainment now exceeds the national percentage.

# Goal 1: Increase Higher Education Attainment Among Kansans

Progress - Enrollment in higher education institutions compared to state demographics including underrepresented groups and national trends

- Among Adult Education programs, participation has declined, but remains nearly 13% above the lowest point in FY2012.
- Transition from adult education to postsecondary education remains strong, with a five percentage point gain over FY2010.

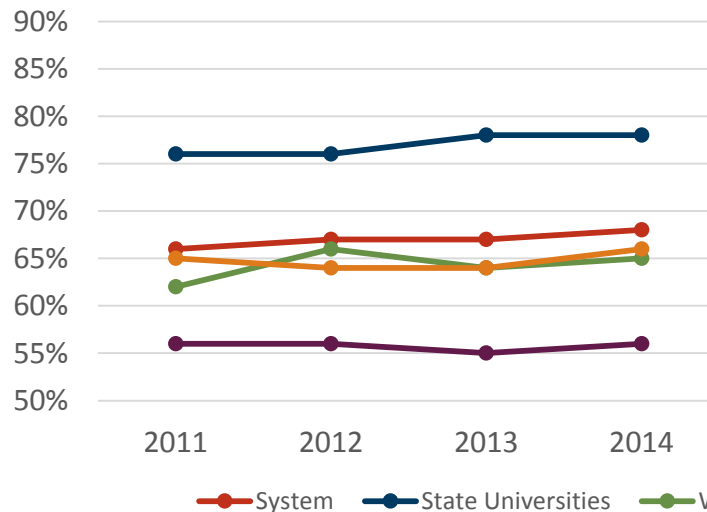


# Goal 1: Increase Higher Education Attainment Among Kansans

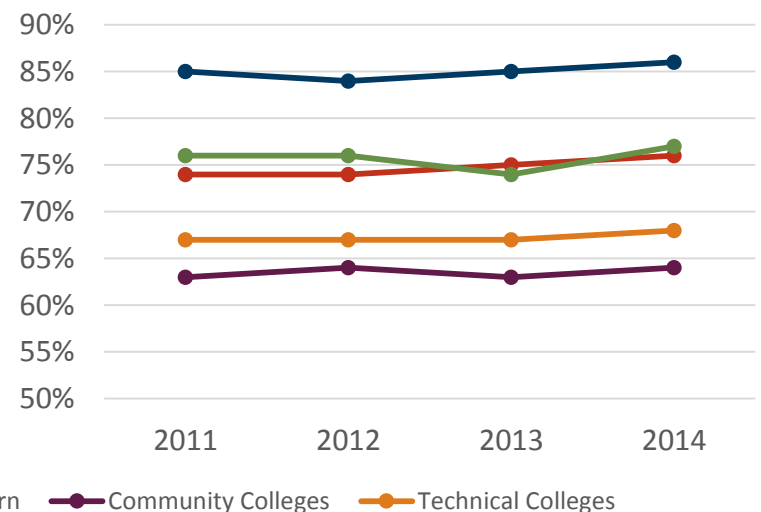
Progress - Retention and graduation rates of students enrolled in our higher education institutions as well as a more holistic view of student success

- There has been some improvement in retention rates since 2010.

Institution Retention



System Retention

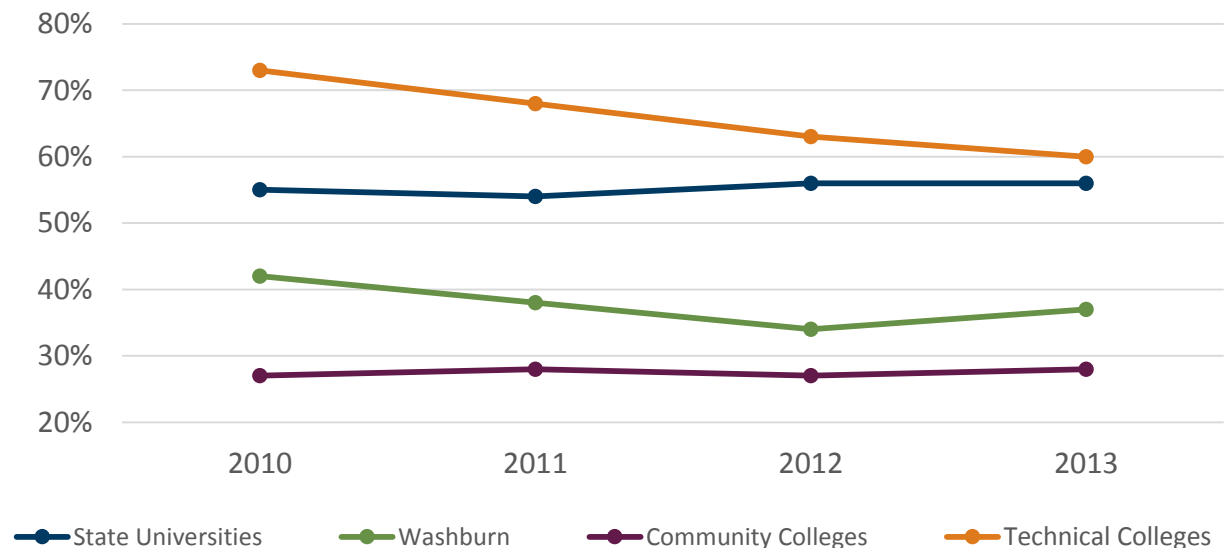




# Goal 1: Increase Higher Education Attainment Among Kansans

Progress - Retention and graduation rates of students enrolled in our higher education institutions as well as a more holistic view of student success

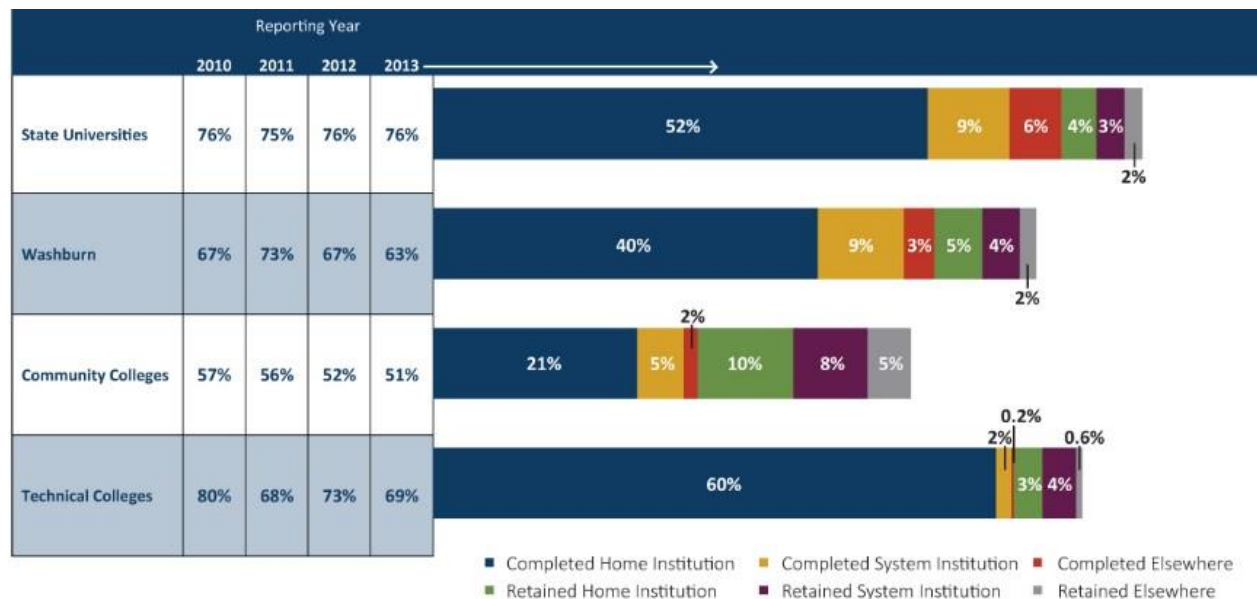
- Graduation rates have remained relatively flat with the exception of technical colleges which have experienced a decline due to increasing availability of jobs.



# Goal 1: Increase Higher Education Attainment Among Kansans

Progress - Retention and graduation rates of students enrolled in our higher education institutions as well as a more holistic view of student success

- There has been some fluctuation by sector in student success rates which can be mainly attributed to the economy.

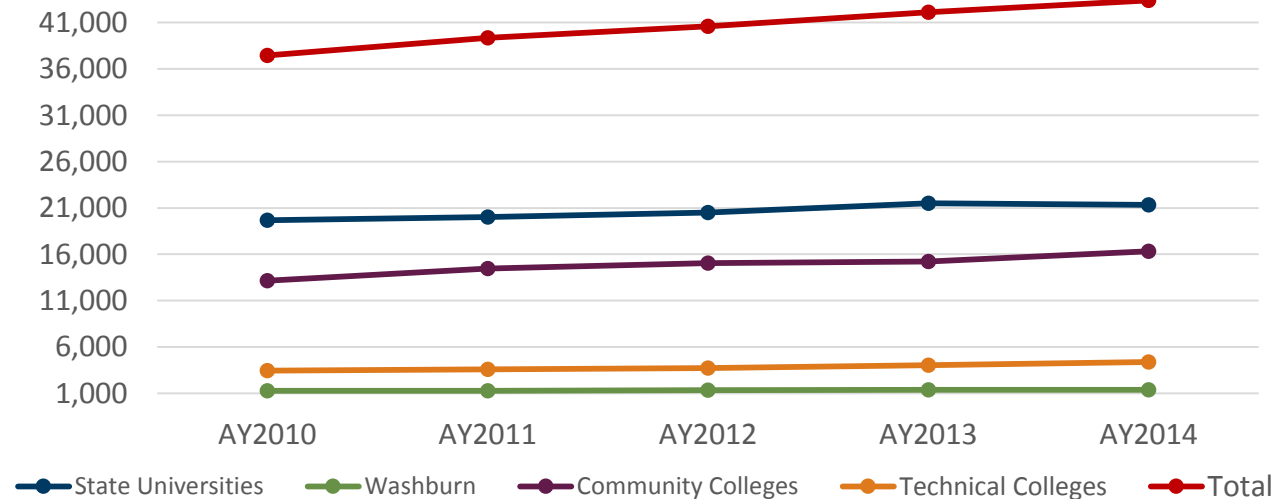


Source: KBOR KHEDS AY Collection and National Student Clearinghouse

# Goal 1: Increase Higher Education Attainment Among Kansans

Progress - The number of certificates and degrees awarded by public higher education institutions

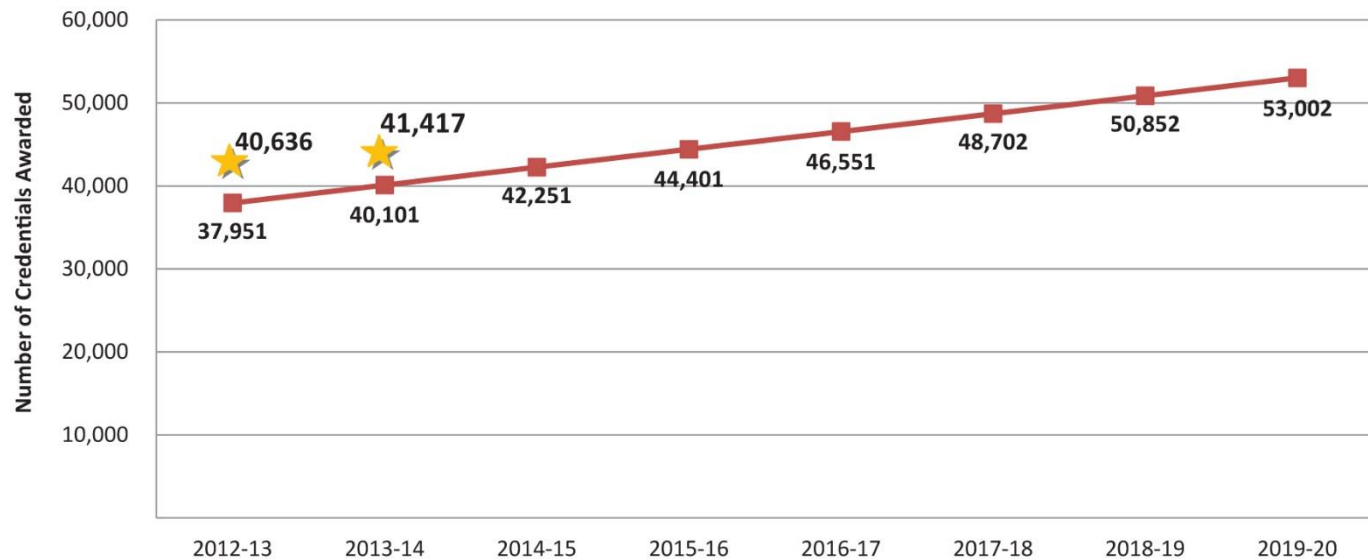
- While there was a decrease in the total number of awards granted by universities in AY2014, the system total since AY2010 has grown by 16% as all sectors have experienced increases in the number of certificates and degrees awarded.



# Goal 1: Increase Higher Education Attainment Among Kansans

Progress - The gap between the current and desired number of certificates and degrees awarded

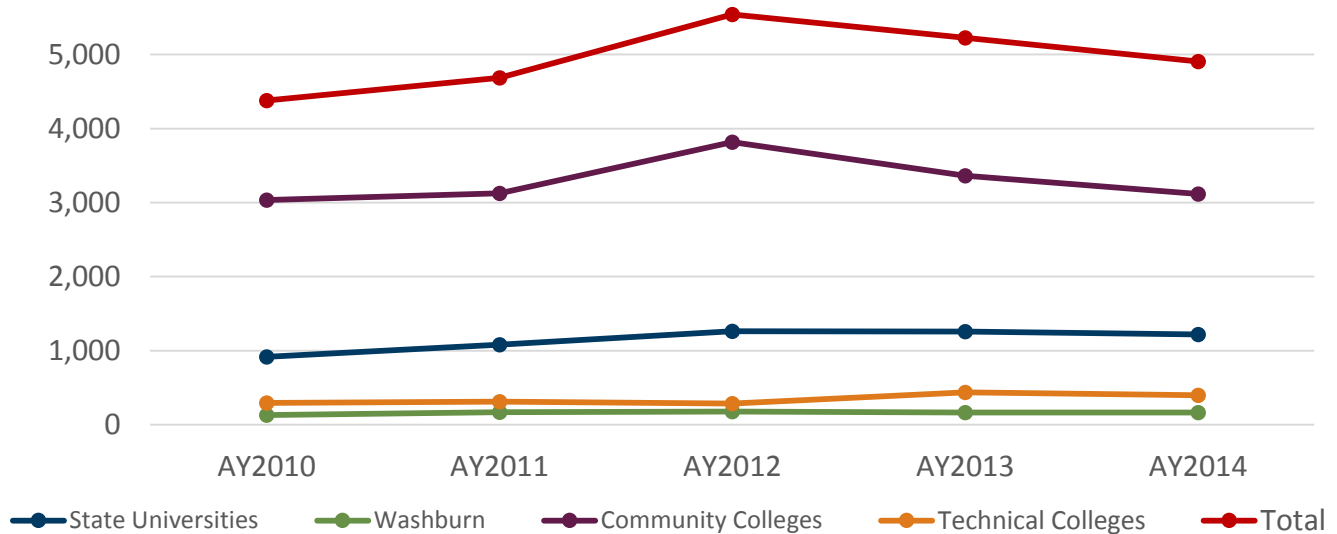
- We exceeded the target of 40,101 for 2013-14 and will need to award an additional 800 undergraduate certificates or degrees in the 2014-15 academic year to remain on track to our goal.



# Goal 1: Increase Higher Education Attainment Among Kansans

Progress - Success at attracting students with some college to return to complete a certificate or degree

- Among those returning to higher education with some college but no degree, there has been a slight decline in AY2014 but enrollment since AY2010 has increased 12%.



# Goal 1: Increase Higher Education Attainment Among Kansans

## Progress - Transfer and Articulation

- 46 courses have now been approved for guaranteed course transfer across the public higher education system, with another ten effective starting Summer 2015.
- Reverse transfer has now been implemented systemwide, so that students who transfer to a state university can complete necessary coursework for any associate degree already started and then be awarded that degree by the community or technical college the student last attended.
- A communication plan has been implemented to better promote guaranteed course transfer and reverse transfer in Kansas, with each institution featuring this information on their website.

## Goal 2: Improve Alignment of the State's Higher Education System with Economy

What did we hope to learn in order to improve alignment with the needs of the Kansas economy?

- Common outcomes needed by business and industry leaders of all graduates and ensure they are being taught and assessed at the public higher education institutions
- How to align the state's technical programs with the needs of business and industry and establish program outcome metrics
- Employment and average earnings of graduates who work in Kansas
- Occupations that are in high-demand and the success of public higher education institutions in meeting the demand
- How university research contributes to the state's economy

## Goal 2: Improve Alignment of the State's Higher Education System with Economy

Progress - Common outcomes needed by business and industry leaders of all graduates and ensure they are being taught and assessed at the public higher education institutions

- Common outcomes identified by business and industry leaders include:
  - Mathematics/Quantitative/Analytical Reasoning
  - Written and Oral Communications
  - Critical Thinking/Problem Solving
- Most institutions have identified assessments for all three outcomes and most of the others have identified at least two or are in the process of making assessment decisions.
- All institutions have been asked to finalize selection and implementation in all three areas during this academic year and begin reporting results in 2015-2016.



## Goal 2: Improve Alignment of the State's Higher Education System with Economy

Progress – How to align the state’s technical programs with the needs of business and industry and establish program outcome metrics

- There are now 25 technical education programs fully aligned with the requirements of industry-based certification.
- Realizing the difficulty in verifying accurate counts of industry-recognized credentials earned by program graduates, Board staff have contracted with *Wordcred* to improve reporting of student success in earning industry-based credentials by developing a process to ensure the validity of recognized credentials.

## Goal 2: Improve Alignment of the State's Higher Education System with Economy

Progress – How to align the state’s technical programs with the needs of business and industry and establish program outcome metrics

- With support from the Technical Education Authority, the first year of a pilot study of technical program metrics was conducted which included 11 institutions and 32 programs spanning 14 program areas.
- Specific targets for success include:
  - Employment (80% of graduates within six months)
  - Wages (95% of the statewide entry level wage for that occupation)
  - Credential Attainment (90% earn industry-recognized credential)
- 4 programs met both employment and earning targets.
- Another 8 programs met the employment target.
- A second year of the pilot has been recommended.

# Goal 2: Improve Alignment of the State's Higher Education System with Economy

## Progress - Employment and average earnings of graduates who work in Kansas

- There is now 5 years of employment/earnings data available

Read straight-across to follow one cohort of graduates across multiple years.

		Bachelor's Degrees									
		2009		2010		2011		2012		2013	
Cohort		% graduates employed in Kansas	Average Earnings	% graduates employed in Kansas	Average Earnings	% graduates employed in Kansas	Average Earnings	% graduates employed in Kansas	Average Earnings	% graduates employed in Kansas	Average Earnings
2008		53.99%	\$34,168	51.47%	\$36,863	50.40%	\$38,274	48.60%	\$42,849	47.11%	\$45,969
2009		--	--	52.83%	\$33,346	50.38%	\$35,673	48.86%	\$38,956	47.98%	\$42,022
2010		--	--	--	--	52.58%	\$32,780	50.41%	\$36,562	48.96%	\$39,369
2011		--	--	--	--	--	--	52.87%	\$34,353	50.46%	\$37,893
2012		--	--	--	--	--	--	--	--	53.04%	\$35,578

Read diagonal to compare various cohorts over a comparable length of time post-graduation.

- Average earnings generally increase with each subsequent year of employment and level of education, however the percentage of graduates employed in Kansas diminishes with each subsequent year of employment and level of education.

## Goal 2: Improve Alignment of the State's Higher Education System with Economy

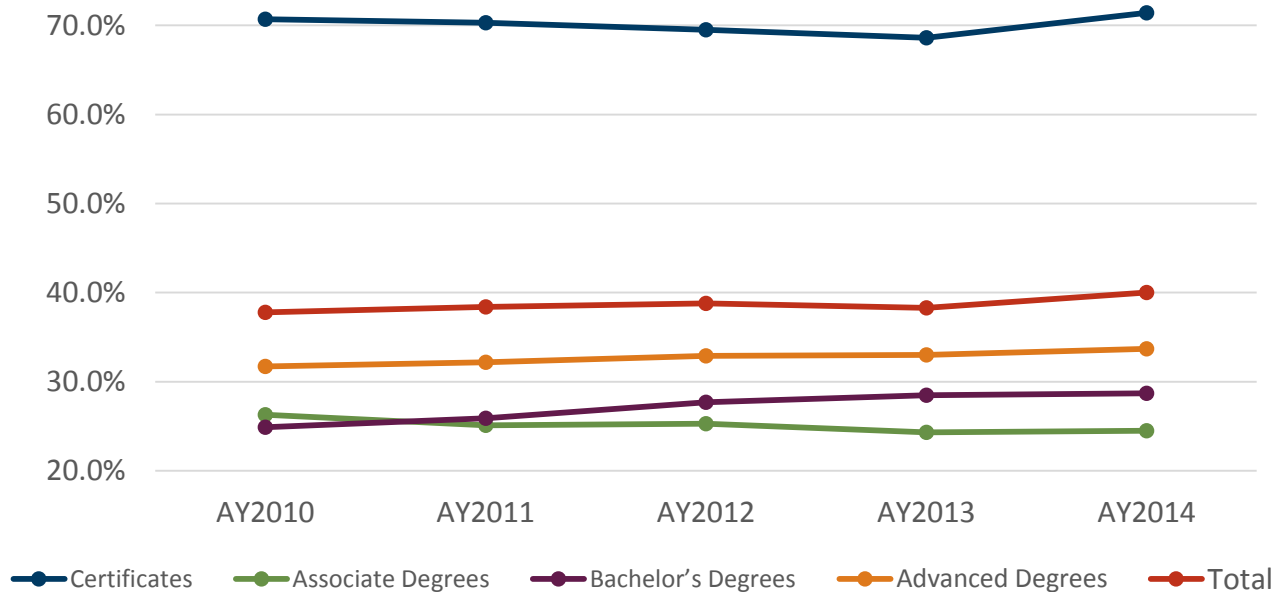
Progress - Occupations that are in high-demand and the success of public higher education institutions in meeting the demand

- It appears that the number of graduates will meet or exceed the need in high-demand occupations, not accounting for where a graduate may locate for a job.
- Three new occupations have been added to improve reporting on IT sector demand/growth.
- There was an increase in the number of awards granted in 10 of the 17 high-demand occupations listed.
- Moving forward, there is a need to gain a better understanding of where in the state the demand is greatest for these occupations.

# Goal 2: Improve Alignment of the State's Higher Education System with Economy

Progress - Occupations that are in high-demand and the success of public higher education institutions in meeting the demand

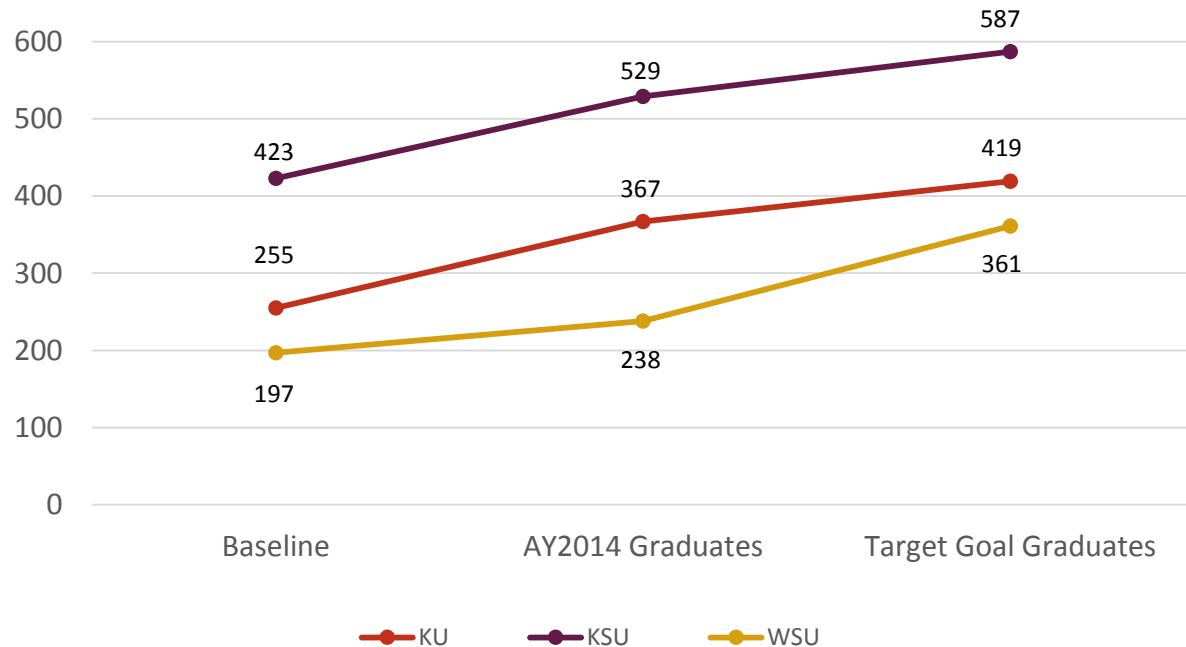
- In STEM fields, there is a positive trend in the percent of awards granted.



# Goal 2: Improve Alignment of the State's Higher Education System with Economy

Progress - Occupations that are in high-demand and the success of public higher education institutions in meeting the demand

- Progress continues on the Engineering Act to meet the goal.



# Goal 2: Improve Alignment of the State's Higher Education System with Economy

## Progress - How university research contributes to the state's economy

- University research through the Innovation Growth Program has resulted in:
  - 42 companies locating new offices in Kansas to partner with universities
  - 177 active license agreements and \$12.5 million in revenue from these agreements in the past year
- The university research grants for KU, KSU, and WSU have focused research on cancer, global food systems, veterinary medicine, and aviation – all important contributors to the Kansas economy. The Regents-Commerce Steering Committee has been charged to work with the research universities in support of these initiatives.

## Goal 3: Ensure State University Excellence

In the midst of gaining more focus across the system as a whole, what did the Board decide to track in order to ensure state university excellence?

- Performance of state universities compared to peers on selected metrics
- The support universities receive through private giving
- Federal research expenditures which have historically been a national indicator of excellence, especially for research universities



# Goal 3: Ensure State University Excellence

## Progress - Performance of state universities compared to peers on selected metrics

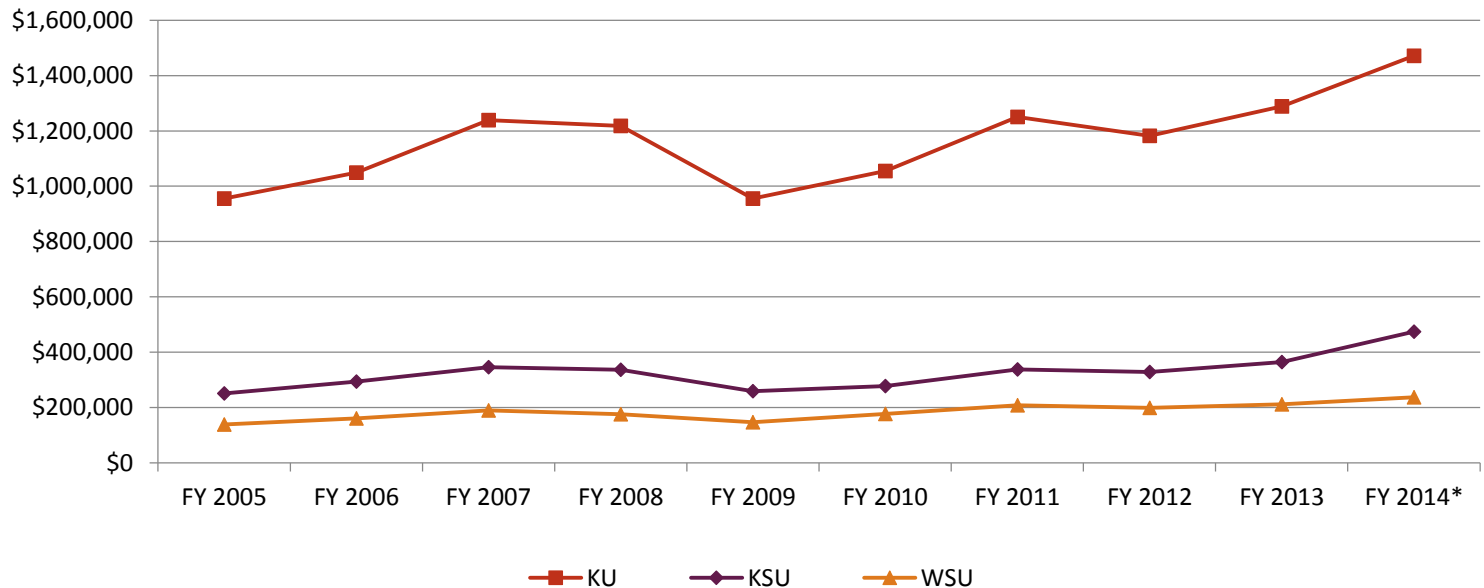
- Graduation rates are higher at peer research universities and are more comparable for peer regional universities.
- Retention rates for Kansas research universities are slightly below peers and are comparable to peers for regional universities.
- In general, both research and regional universities are seeing a slight increase in the number of degrees awarded as are most of their peers.
- In terms of the size of endowment, Kansas universities are above the median among peers.
- There is a wide range of research expenditures reported among peers, with some peers expending over \$100 million more.
- For Kansas research universities, some peer institutions have a comparable number of academy members, while others have dramatically more.
- Enrollment figures show Kansas regional universities are smaller than most peers, but in regards to the student population, ACT scores show similar populations are being served.

# Goal 3: Ensure State University Excellence

Progress - The support universities receive through private giving

- Each of the six universities have experienced significant growth in their respective endowments.

### Research Universities Ten-Year Trend

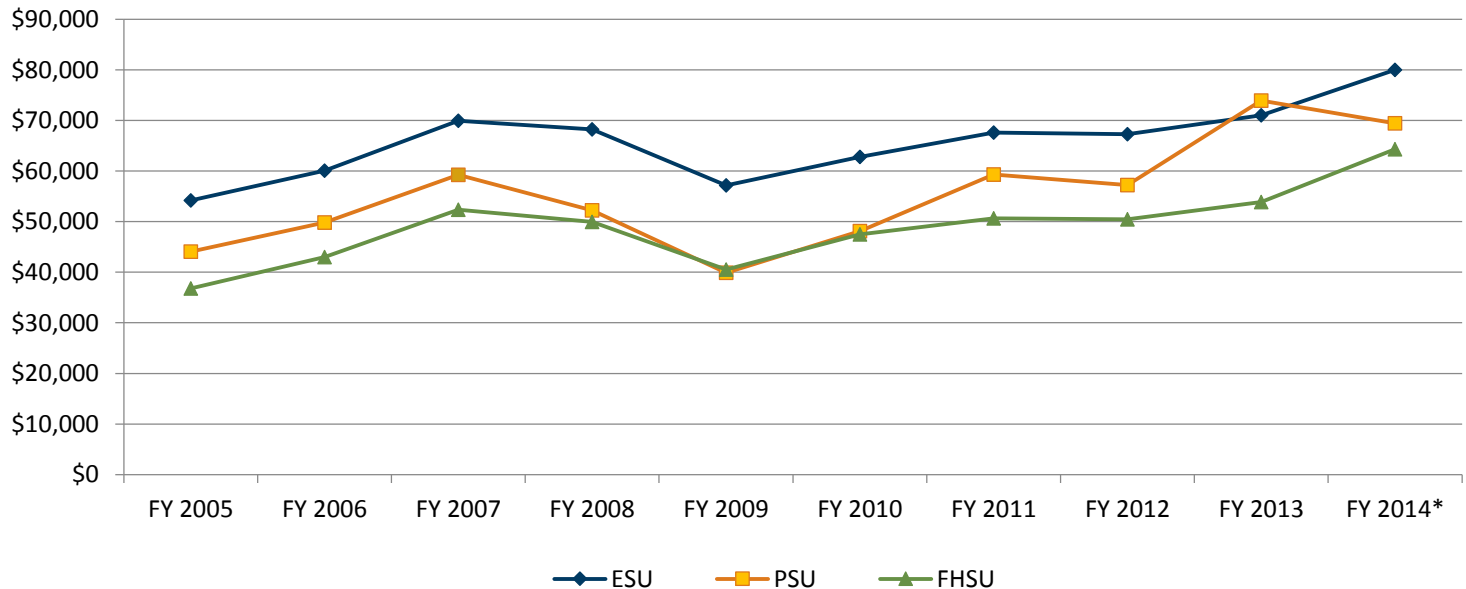


# Goal 3: Ensure State University Excellence

Progress - The support universities receive through private giving

- Each of the six universities have experienced significant growth in their respective endowments.

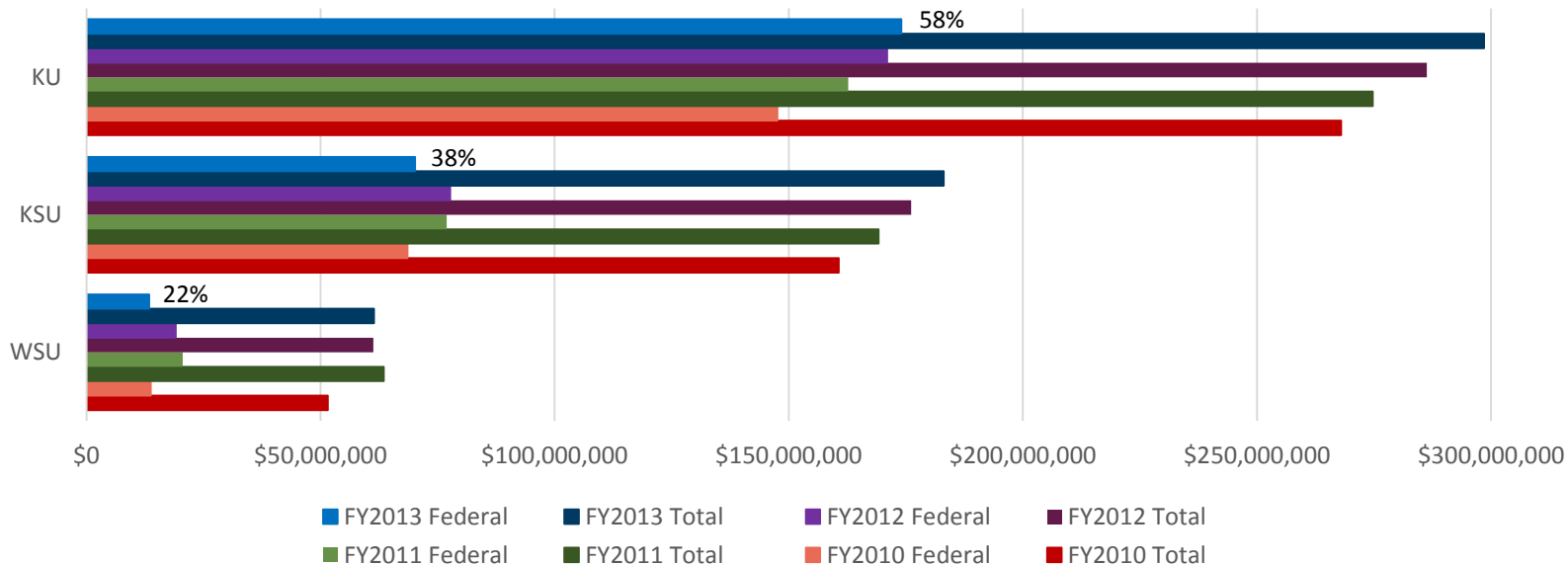
**Regional Universities Ten-Year Trend**



# Goal 3: Ensure State University Excellence

Progress - Federal research expenditures which have historically been a national indicator of excellence, especially for research universities

- Total research dollars increased at all 3 research universities.
- However, the total dollar amount of research and development funding coming from federal sources decreased at 2 of the 3 research universities, and the proportion of federal research dollars awarded decreased at all 3 institutions.



# Some Closing Thoughts

- Even though we continue to make progress on our attainment goal, the difficulty in maintaining this progress is becoming apparent.
- If we want to improve the picture of wages and jobs of our graduates, we need to have agreements with our contiguous states.
- The goals of Foresight 2020 for improving our system and its contributions to the state are worthy, and progress has been made.
- Our metrics have given us a good general picture of the progress we are making though some data points are stronger than others.
- It is probably time to revisit the plan to assess the continuance of some metrics, revision to others, and addition of new metrics that might be helpful.