


Data Use Case: Kansas DegreeStats and Student Financing Module/Labor Data

2016 Kansas Board of Regents Data Quality and Planning Conference

June 8, 2016 9:25 AM – 10:25 AM

Presenters: Cindy Farrier, Director, Data, Research and Planning
Katie Geier, Project Specialist, Data Collections



Topics

- Kansas DegreeStats – Background Information
- Quick Demo
- Overview of Data Sources Used
- Kansas DegreeStats as It Relates to KHEDS AY Students Costs and Students Financing Files
- Concerns Raised by Campuses through the Council of Chief Academic Officers
- Data Collection Re-opening Plans

2



ATTAINMENT
ALIGNMENT
EXCELLENCE

What is It Today?

- Interactive website that displays aggregate costs, sources of investment, and earnings data from real graduates for undergraduate Bachelor degree programs offered by public universities in Kansas.
- URL: www.ksdegreestats.org

3

ATTAINMENT
ALIGNMENT
EXCELLENCE

Brief Background

- SB193 Introduced 2014-2015 Legislative Session
- KBOR Applied for Grant; Did Not Receive
- KBOR Internal Committee Reviewed Bill Language
- Created Specs Using Existing Data Sources
- Universities Engaged Through Public Information Officers
- Presentations to COPS (Sept 2015), COCAO (Feb 2016)
- Webinar to CIRO (Feb 2016)
- CIRO Review (Mar 7 – 14, 2016)
- Go Live (Mar 23, 2016)

4



ATTAINMENT
ALIGNMENT
EXCELLENCE

Current Status

- H Sub SB193 Bundled in HB2622
- Signed by Governor on May 10, 2016
- URL:
http://www.kslegislature.org/li/b2015_16/measures/documents/hb2622_enrolled.pdf
- Public Universities by July 1, 2016 - ✓
- Community and Technical Colleges by July 1, 2017
- All Undergraduate Degree Programs
- Institutional Requirements Included in Bill

5

ATTAINMENT
ALIGNMENT
EXCELLENCE

What is Included in Website?

- Three Primary Pages + Informational Pages
 - ✓ Program Inventory Search (7 Universities)
 - ✓ Comparison Page
 - ✓ Degree Prospectus Detail
- Four Quadrants of Information
 - ✓ Annual Costs of Degree
 - ✓ Annual Sources of Investment
 - ✓ Wage Information (Entry and 5-Year)
 - ✓ Loan Debt or Degree Investment Repayment

6



Demo of Kansas DegreeStats

www.ksdegreestats.org

Back to KansasRegents.org • DegreeStats Search

Information for Students & Parents Information for Counselors & Mentors

Choose an institution: ALL Choose a degree title: ALL Keyword search: Submit Search

7

Primary Population - Currently

- **Primary Population of Students**
- Kansas public university **bachelor degree graduates, enrolled during academic year 2014**, classified as **Kansas residents** for tuition purposes as defined by K.S.A. 76-729.
- **Degree Program Combinations**
- In order to preserve statistical reliability standards in cases where there are small numbers of graduates from some degree programs, it was necessary to combine degree programs with others from the same family or discipline using the national NCES CIP standard classification system. In these cases, the actual degree program title is displayed in the search feature and the resulting page displays, but the calculated amounts may result in a combination of programs.

8



ATTAINMENT
ALIGNMENT
EXCELLENCE

Data Sources

- KBOR Program Inventory
- KBOR KHEDS Academic Year Collection
 - ✓ Completions
 - ✓ Students Status
 - ✓ Students Costs
 - ✓ Students Financing
 - ✓ Registrations
 - ✓ Enrolled Flags
- KDOL Wage Records
- NCES CIP Descriptions
- Possible Future Combining of Data
 - ✓ AY2014 and AY2015
 - ✓ Kansas and Missouri Labor Data

9

ATTAINMENT
ALIGNMENT
EXCELLENCE

Students Costs and Students Financing

- Pilot AY2013 with Input from Advisory Committee
- KHEDS Integration AY2014
- Collaborative Review Process
- Comprehensive Reports Available for Review
- Financial Aid Director Review and Signature
- CAO (Univ)/Pres (CC/TC) Data Certification
- Key data elements used by Kansas DegreeStats
 - ✓ Tuition and Fees
 - ✓ Room and Board
 - ✓ Books and Supplies
 - ✓ Scholarships, Grants, and Waivers
 - ✓ Loans

10



ATTAINMENT
ALIGNMENT
EXCELLENCE

Annual Cost of Degree

- Median Resulting Value of Degree Program Graduates or Related Degree Program
- Amount / Credit Hours Attempted *30
 - ✓ Tuition – Actual
 - ✓ Fees (Instructional and Required) – Actual
 - ✓ Books and Supplies – Estimated
- Amount Reported
 - ✓ Room and Board
 - Actual – On Campus, University Owned Housing
 - Estimated – Off Campus, With Parents
- Estimates from Financial Aid Budgets – Based upon Reasonable Expenses

11

ATTAINMENT
ALIGNMENT
EXCELLENCE

Annual Source of Investment

- Median of Disbursements (>0) for Each Type
- Scholarships and Grants
 - ✓ (Scholarships + Grants + Waivers) / Credit Hours Attempted * 30
- Loans (Excludes PLUS)
 - ✓ Values Reported (>0)
- Other Funding Sources
 - ✓ User Input Only

12



Chart of Annual Costs of Degree and Annual Source of Investment

Used For	File Used	Field and Formula	Special Criteria
Tuition	Students_Costs Registrations	TUITION/SEC_HRS*30)	
Fees	Students_Costs Registrations	((FEE+RFEE)/SEC_HRS*30	
Room and Board	Students_Costs	ROOM+BOARD	
Books and Supplies	Students_Costs Registrations	BOOKS/SEC_HRS*30	
Time to Degree	Completions Transfers	(FINAL_GPA_CREDIT_HRS+ TRANS_UG_CREDIT_HRS)/30	
Scholarships and Grants	Students_Financing Registrations	DSB_AMT/SEC_HRS*30	F_TYPE in ('S' 'R' 'V' 'G').
Loans	Financing	DSB_AMT	F_TYPE = 'L' and F_AWARD <> 'PLUS'
Earnings (for Exclusion)	Registrations Enrolled Flags	SEC_HRS; NBR_CREDIT_HRS	

13

Waivers Used as a Source of Investment?

- Waivers in Costs File Reflected as a Special Tuition Rate: Not Included as a Source
- Waivers in Financing File Reflected as an Award Disbursement: Yes Included as a Source

14



ATTAINMENT

ALIGNMENT

EXCELLENCE

Totals

- Total Annual Cost: Sum of Tuition, Fees, Room and Board, Books and Supplies
- Time to Degree (Drop Down Box): $\text{GPA Hours} + \text{Transfer Hours} / 30$
- Estimated Total Cost: $\text{Total Annual Cost} * \text{Time to Degree}$, Adjusted for Inflation
- Loan Debt: $\text{Total Loan} * \text{Time to Degree}$
- Degree Investment: $\text{Total Annual Cost} - (\text{Scholarships} + \text{Grants} + \text{Waivers}) * \text{Time to Degree}$

15

ATTAINMENT

ALIGNMENT

EXCELLENCE

Time to Degree

Institution A	Transfer Hours	Grade	Completion Hours That Count Toward GPA	Quality Points Used To Calculate GPA	GPA
		B	6	18	
		A	3	12	
	3	TR		null	
Totals	3		9	30	3.33
Time to Degree Hours	3		9		12

Institution B	Transfer Hours	Grade	Completion Hours That Count Toward GPA	Quality Points Used To Calculate GPA	GPA
		B	6	18	
		A	3	12	
	3	C	3	6	
Totals	3		12	36	3.00
Time to Degree Hours	3		12		15 ⊗

16



ATTAINMENT

ALIGNMENT

EXCELLENCE

Estimated Total Cost

Inflation Example		
CPI + 2%, 0.119% + 2.0 = 2.12%.		
First Year	17843*1	\$17,843
Second Year	17843*1.0212	\$18,221
Third Year	18221.27*1.0212	\$18,608
Fourth Year	18607.56*1.0212	\$19,002
Total		\$73,674

17

ATTAINMENT

ALIGNMENT

EXCELLENCE

Loan Debt

Annual Cost of Degree	
Resident Tuition	\$ 7,830
Fees	\$ 3,300
Room and Board	\$ 7,450
Books and Supplies	\$ 1,263
Total Annual Cost (estimated)	\$17,843
Estimated Total Cost Over: 4 Years	\$73,674

Annual Source of Investment	
Scholarships and Grants	\$073
Loans	\$444
Other Funding Sources	
Personal Investment	\$ 6,426
Total Annual Investment from All Sources	\$17,843

Calculate Total Loan Debt or Degree Investment		
<input checked="" type="radio"/> Loan Debt	<input type="radio"/> Degree Investment	\$21,776
Interest Rate:		6.8
Number of Years of Repayment	Estimated Monthly Payment	% of Expected Annual Earnings
10	\$251	10%
15	\$193	8%
20	\$166	7%
25	\$151	6%
30	\$142	6%

Source: Kansas Board of Regents KHEES AY Collector; KDOI Wage Records

18



ATTAINMENT

ALIGNMENT

EXCELLENCE

Degree Investment

Annual Cost of Degree	
Resident Tuition	\$7,830
Fees	\$1,200
Room and Board	\$7,450
Books and Supplies	\$1,263
Total Annual Cost (estimated)	\$17,843
Estimated Total Cost Over: 4 Years	\$73,674

Annual Source of Investment	
Funding Sources	
Scholarships and Grants	5973
Loans	\$444
Other Funding Sources	
Personal Investment	\$6,426
Total Annual Investment from All Sources	\$17,843

Calculate Total Loan Debt or Degree Investment		
<input checked="" type="checkbox"/> Loan Debt	<input checked="" type="checkbox"/> Degree Investment	\$47,480
Interest Rate: 6.8		
Number of Years of Repayment	Estimated Monthly Payment	% of Expected Annual Earnings
10	\$546	22%
15	\$421	17%
20	\$362	14%
25	\$330	13%
30	\$310	12%

Source: Kansas Board of Regents KHEDS AY Collection; KDOL Wage Records

ATTAINMENT

ALIGNMENT

EXCELLENCE

Wage Information

- Similar to Foresight 2020 Publication, except:
 - ✓ 6 Months after Graduation (Foresight displays 18 Months)
 - ✓ Median instead of Average
- Remove Those Enrolled in 12 Hours for **AY2015**
- 4th Calendar Quarter * 4
- “After 5 years” is 2009 Graduating Class
- No Inflation Adjustment. 2014 Calendar Year Wages for Both Graduation Cohorts



ATTAINMENT
ALIGNMENT
EXCELLENCE

Concerns Raised by Campuses

- Incorrect Data Reporting
- Data and Technology
 - ✓ Methodology Concerns
 - ✓ Program Inventory and Keyword Search
 - ✓ Linking of Pages
- Marketing and Messaging
- Procedures for Enhancements and Improvement

21

ATTAINMENT
ALIGNMENT
EXCELLENCE

Charge as a Result of Council of Chief Academic Officers (COCAO) Discussion

- Review of Issues Raised by the Campuses
- Council of Institutional Research Officer (CIRO) Engagement in Phase II of the Kansas DegreeStats Website
- KBOR Data, Research and Planning Updates of Progress on Phase II through VP for Academic Affairs

22



ATTAINMENT
ALIGNMENT
EXCELLENCE

CIRO Review – Next Steps

- CIRO Performing Review
- Summarize Recommendations for KBOR
- KBOR DRP/IT Will Review Recommendations and Identify Necessary Effort and Resources for KBOR Leadership
- KBOR Leadership will Determine Actionable Items and Seek Necessary Input
- KBOR VP of Academic Affairs will provide updates to COCAO on the Progress, Recommendations, and Actionable Items as a Result of These Efforts


23

ATTAINMENT
ALIGNMENT
EXCELLENCE

Use Case – Zero Tuition Reported

- Result: Tuition Median May be Zero or Skewed Low
- Limited Situations Where Zero is an Acceptable Value
- Corrective Action:
 - ✓ KBOR Clarified Allowable Situations
 - ✓ Added Quality Assurance Edits to Prevent Reporting
 - ✓ Evaluating Methodology for Phase II


24



Use Case – Estimates Reported When Actual Amounts Exist

- Result: Degree Program Costs Not Reflective of Actual Costs; Data Transparency Lacking; No Differentiation Between High and Low Cost Programs
- Pilot Year was Intended to Work Through Issues with Pulling Actual Costs
- Corrective Action:
 - ✓ Always Report Actual Costs when Actual Costs Exist

25



Use Case – Very Low Books and Supplies Reported

- Result: Median Appears Lower Than Expected
- Corrective Action:
 - ✓ Determine Why Costs are so Low
 - ✓ Online Courses With Online Materials?
 - ✓ Evaluate Methodology in Phase II

26



ATTAINMENT
ALIGNMENT
EXCELLENCE

Use Case – When Actual Costs Didn't Exist, a Flat Fee Was Reported For Every Student

- Result: Costs Appear Too High in Kansas DegreeStats
- Corrective Action:
 - ✓ Submit Estimates Appropriate to Student's Situation
 - ✓ Adjust for Program, Department or College
 - ✓ Adjust for Living Arrangement (On, Off, With Parents)
 - ✓ Adjust for Enrollment Hours, when appropriate

27

ATTAINMENT
ALIGNMENT
EXCELLENCE

Use Case – Program Inventory Keyword Search Not Populated

- Result: Inconclusive Results for Program
- Corrective Action:
 - ✓ Suggest New Keyword to Board Office
 - ✓ Possible Extension of Keywords to Program Inventory for Institutional Access
 - ✓ Possible Addition of College or Department to Kansas DegreeStats

28



ATTAINMENT
ALIGNMENT
EXCELLENCE

Use Case – Labor Data

- Issues: Small Numbers. Two Cohorts for 1 Year and 5 Year Earnings. Not Tied to Occupation. May not be Reflective of Full-Time Work. Kansas Data Only.
- Result: Not Reflective of Expected Earnings in Some Cases
- Corrective Action:
 - ✓ Concerns Being Reviewed and Recommendations will be Given
 - ✓ Intent is Transparency Regarding Actual Earnings of Graduates, Given Any Known Limitations with the Data
 - ✓ Possible Combining of Years
 - ✓ Combining of Kansas and Missouri Wage Data

29

ATTAINMENT
ALIGNMENT
EXCELLENCE

Data Collection Re-opening

- Policy: Data is Reviewed and Certified Prior to Use. Re-opening After Certification Requires Executive and Legal Consideration. Generally Disallowed.
- Data Use: Federal and State Funding, Federal and State Performance, DataBooks, Kansas Higher Education Data System, Legislative Reporting, Adhoc Reporting, Other

30



ATTAINMENT
ALIGNMENT
EXCELLENCE

Data Collection Re-opening

- Received Request to Re-open
- Executive Leadership and General Counsel Review Performed
- First Time Costs and Financing Data Used in Kansas DegreeStats
- Data Has Not Been Used for Performance or Funding
- Data *Has* Been Used in Reporting – Board Report, Waiver Report, Foresight, Other

31

ATTAINMENT
ALIGNMENT
EXCELLENCE

Data Collection Re-opening

- One Time Exception
- Goal is to Correct Costs and Financing Data Only – i.e., **ACTUAL COSTS** instead of Estimates
- Re-open AY2014 and AY2015
- Universities are First
- Onus for Review Rests with Institutions
- Limited KBOR Resources Available
- KBOR Performs Audit, not Usual Review
- Original File is Archived and Compared

32



ATTAINMENT
ALIGNMENT
EXCELLENCE

Data Collection Re-opening

- Download AY2014 and AY2015 Student Costs and Students Financing Files
- Cannot Add or Change Students or Enrollment Terms
- **ONLY** Costs and Financing Data Points
- Upload Corrections to FM2014 and FM2015
- Same File Edits and Reports
- *Addition of a Kansas DegreeStats Report*
- Re-Certify Data with New Statute Language

33

ATTAINMENT
ALIGNMENT
EXCELLENCE

Timeline

- **Universities**
 - Re-open June 20th
 - Close July 22nd (Tentative)
 - Re-Calculation and Review of Data Period
 - Revised Data in Kansas DegreeStats in August
- **Community and Technical Colleges**
 - Data must be included by July 1, 2017
 - *On-Going Discussion with KBOR Leadership*
 - *Tentatively-*
 - CC/Tech Focus Group with Input from CIRO
 - Build Re-Open into Implementation Timeline
 - Re-open during slower months – November or early December?

34



Questions?

Cynthia Farrier
cfarrier@ksbor.org
785-296-2452

Katie Geier
kgeier@ksbor.org
785-368-7464

irhelp@ksbor.org

35