Getting to 60% PSE Attainment by 2020: Why & How

Prepared for
Kansas Board of Regents
Topeka, KS
September 18, 2013
Foresight 2020 Goals

• Increase, to 60 percent, the number of Kansas Adults who have a certificate, credential, Associate’s Degree, or Bachelor’s Degree by 2020

• Achieve a ten percent point increase in retention and graduation rates
Thirty-Eight States Have Adopted Goals Regarding Increases in Either Education Attainment or Degree Production

- Oregon 40/40/20 by 2025
- Utah 66% by 2020
- Most others 60% by 2025
- Arkansas Double the numbers by 2025
- Tennessee 55% by 2025

The Kansas goal is among the most aggressive.
Comparing Kansas with Nations and Other States in the Percentage of Young Adult Degree Attainment (Ages 25-34)

<table>
<thead>
<tr>
<th>U.S. States</th>
<th>%</th>
<th>OECD Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>Korea (65.0)</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>Japan, Canada</td>
<td>56</td>
<td></td>
</tr>
<tr>
<td>Massachusetts</td>
<td>54</td>
<td></td>
</tr>
<tr>
<td>North Dakota</td>
<td>52</td>
<td></td>
</tr>
<tr>
<td>Minnesota • New York</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>New Jersey</td>
<td>48</td>
<td>Ireland</td>
</tr>
<tr>
<td>New Hampshire</td>
<td>46</td>
<td>Norway</td>
</tr>
<tr>
<td>Connecticut • Iowa</td>
<td>44</td>
<td>New Zealand, United Kingdom</td>
</tr>
<tr>
<td>Virginia • Illinois • Maryland • South Dakota</td>
<td>42</td>
<td>Australia, Luxembourg, Israel, Belgium, France</td>
</tr>
<tr>
<td>Pennsylvania • Nebraska • Colorado • Vermont</td>
<td>40</td>
<td>UNITED STATES, Sweden, Netherlands, Switzerland</td>
</tr>
<tr>
<td>Rhode Island • Kansas</td>
<td>38</td>
<td>Finland, Spain, Chile</td>
</tr>
<tr>
<td>Montana • Wisconsin • Washington</td>
<td>36</td>
<td>Estonia, Denmark, Poland, Iceland</td>
</tr>
<tr>
<td>Missouri • Hawaii</td>
<td>34</td>
<td></td>
</tr>
<tr>
<td>Wyoming • Maine • Delaware • Utah</td>
<td>32</td>
<td>Slovenia, Greece</td>
</tr>
<tr>
<td>Ohio • California • Oregon</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>Michigan • North Carolina</td>
<td>28</td>
<td>Germany, Hungary, Portugal, Portugal</td>
</tr>
<tr>
<td>Indiana • Florida • South Carolina • Georgia</td>
<td>26</td>
<td>Slovak Rep, Czech Rep</td>
</tr>
<tr>
<td>Alaska • Kentucky • Tennessee</td>
<td>24</td>
<td>Mexico, Austria, Italy</td>
</tr>
<tr>
<td>Arizona • Mississippi • Texas</td>
<td>22</td>
<td></td>
</tr>
<tr>
<td>Alabama • Idaho • Louisiana</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>Oklahoma • Arkansas • West Virginia</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>Nevada</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>New Mexico</td>
<td>14</td>
<td></td>
</tr>
<tr>
<td>Turkey (17.4)</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

Source: 2012 OECD Education at a Glance; 2010 American Community Survey
Percent of Adults with an Associate Degree or Higher by Age Group – Kansas, U.S. & Leading OECD Countries, 2010

Source: OECD, Education at a Glance 2012, U.S. Census Bureau, 2010 American Community Survey One-Year Public Use Microdata Sample File
Percent of 25-64 Year Olds with College Degrees – Associate and Higher, 2011

Source: U.S. Census Bureau, 2011 American Community Survey
Percent of 25-64 Year Olds with Certificates, 2011

Source: U.S. Census Bureau, 2008 SIPP Survey of Income and Program Participation
Change in College Attainment from 2000 to 2011 by State – 25 to 64 Year Olds

Sources: U.S. Census Bureau, Decennial Census and American Community Survey
Change in College Attainment from 2000 to 2011 by State - 25 to 34 Year Olds

Sources: U.S. Census Bureau, Decennial Census and American Community Survey
Difference in College Attainment between Young Adults (25-34) and Older Adults (45-64), 2011

Source: U.S. Census Bureau, 2011 American Community Survey

Source: US Census Bureau, ACS
Difference in College Attainment Between Whites and Minorities Ages 25-64 (Blacks, Hispanics, Native Americans) (2009-10)

Source: U.S. Census Bureau, 2009-10 American Community Survey
Percentage Gap in College Attainment Between Whites and Underserved Minorities, 25-34 Year Olds
Change in Percentage Gap in College Attainment Between Whites and Underserved Minorities from 2000 to 2009-’11, 25-34 Year Olds

Source: U.S. Census Bureau, 2008-10 American Community Survey
Educational Attainment of Whites and Minorities (Black, Hispanics, Native Americans) Aged 25-44, 2008-2010
Kansas

Source: U.S. Census Bureau, 2008-10 American Community Survey (ACS) Public Use Microdata Sample (PUMS) File.
Personal Income per Capita (2011)

Source: U.S. Bureau of Economic Analysis
Kansas Personal Income per Capita as a Percent of the U.S. Average, (1980-2011)

Source: Bureau of Economic Analysis
Median Annual Wages for Employed Workers Aged 25 to 64 - by Level of Education (Kansas, 2010)

Source: U.S. Census Bureau, 2010 American Community Survey (Public Use Microdata Samples)
Percentage of Jobs in 2018 that Will Require a Postsecondary Education, by State

Source: Georgetown University Center on Education and the Workforce, Projections of Jobs and Education Requirements through 2018; June 2010
### Kansas Jobs in 2018, by Education Level, Less Current Workers by Degree Level

<table>
<thead>
<tr>
<th></th>
<th>Kansas Jobs in 2018*</th>
<th>Current Workers**</th>
<th>Difference</th>
</tr>
</thead>
<tbody>
<tr>
<td>High School Dropouts</td>
<td>155,000</td>
<td>98,562</td>
<td>56,438</td>
</tr>
<tr>
<td>High School Graduates</td>
<td>470,000</td>
<td>272,555</td>
<td>197,445</td>
</tr>
<tr>
<td>Some college, no degree</td>
<td>402,000</td>
<td>294,296</td>
<td>107,704</td>
</tr>
<tr>
<td>Associate's degree</td>
<td>145,000</td>
<td>104,855</td>
<td>40,145</td>
</tr>
<tr>
<td>Bachelor's degree</td>
<td>345,000</td>
<td>277,669</td>
<td>67,331</td>
</tr>
<tr>
<td>Graduate degree</td>
<td>147,000</td>
<td>142,422</td>
<td>4,578</td>
</tr>
</tbody>
</table>

*Source: Georgetown University Center on Education and the Workforce, Projections of Jobs and Education Requirements through 2018; June 2010
**Source: U.S. Census Bureau, 2010 American Community Survey (ACS) Public Use Microdata Sample (PUMS) File.
Kansas High School Graduates 1996-97 to 2027-28 (projected)

Source: Knocking at the College Door
Percent of High School Students Going Directly to College (Fall 2010)

Source: NCES, Common Core Data and IPEDS Residency and Migration Survey
High School Graduation, College Participation, & Completion (2009-10)

Input Rates

- High School Graduation Rate ('11): Kansas 83, U.S. 70.5, Average of Top 5 States 86.4
- College-Going rate Directly Out of High School: Kansas 68.9, U.S. 66.3, Average of Top 5 States 79.6
- Participation of 25 to 49 Year Olds as a Percent of 25-49 Year Olds with Just a High School Diploma (09): Kansas 7.33, U.S. 7, Average of Top 5 States 9.2

Throughput Rates

Undergraduate Credentials and Degrees Awarded per 100 FTE Undergraduates

- Public Two-Year: Kansas 16.9, U.S. 14.1, Average of Top 5 States 23.6
- Public Bachelors & Masters: Kansas 22.9, U.S. 19.9, Average of Top 5 States 22.9
- Public Research: Kansas 24.1, U.S. 20.6, Average of Top 5 States 24.1

Percent of First Time Students Enrolled in Home State Institutions

Source: NCHEMS NCES IPEDS Enrollment Data, Part C, Fall 2010
Undergraduate Credentials Awarded per 1,000 18-34 Year Olds with No College Degree (2011)

Sources: NCES, IPEDS Enrollment Survey; U.S. Census Bureau, ACS
Percent Change in Undergraduate Credentials Awarded per 1,000 18-34 Year Olds with No College Degree
(from 2001 to 2011)

Sources: NCES, IPEDS Enrollment Survey; U.S. Census Bureau, ACS
Proportion (%) of Undergraduate Awards by Level (2009-10)

- Certificates, Less than One Year: Kansas 13.22, United States 11.29
- Certificates, One Year or More: Kansas 9.67, United States 7.18
- Associates Degrees: Kansas 24.71, United States 27.5
- Bachelor's Degrees: Kansas 52.32, United States 53.43

Source: NCES IPEDS 2009-10
Proportion (%) of Undergraduate Credentials Awarded by Type – STEM, Health, and Other (2008-09)

- **Science, Technology, Engineering, & Mathematics**
  - Kansas: 10.1%
  - United States: 12.3%

- **Health Professions & Related Clinical Sciences**
  - Kansas: 24.4%
  - United States: 17.6%

- **Other Types of Credentials**
  - Kansas: 65.5%
  - United States: 70.1%

Source: NCES, IPEDS Completions Survey
Average Annual Percent of Adults Age 25-64 with College Degrees Employed in High Tech Occupations, 2008-10


Note: Awards for Arizona, Colorado, Iowa, and West Virginia reduced to reflect private for-profit production primarily serving out-of-state students online.
Undergraduate STEM Credentials Awarded per 1,000 STEM Employees, 2008-10

Source: U.S. Census Bureau, 2008-10 American Community Survey Three-Year Public Use Microdata Sample File.
NCES, IPEDS 2009-10 Completions File; c2010_a Final Release Data File.

Note: Awards for Arizona, Colorado, Iowa, and West Virginia reduced to reflect private for-profit production primarily serving out-of-state students online.
Undergraduate Health Credentials Awarded per 1,000 Health Employees, 2008-10


Note: Awards for Arizona, Colorado, Iowa, and West Virginia reduced to reflect private for-profit production primarily serving out-of-state students online.
Average Annual Net Migration of 22 to 64 Year Olds by Education Level, Kansas 2006-10

Source: U.S. Census Bureau, 2006-10 American Community Survey (ACS) Public Use Microdata Sample (PUMS) File.
Percent of Residents Aged 25-64 with a Bachelor’s Degree or Higher Born In-State, 2010

Source: U.S. Census Bureau, 2010 American Community Survey (ACS) Public Use Microdata Sample (PUMS) File.
Percent of Residents Aged 25-64 with an Associates Degree or Higher Born In-State, 2010

Source: U.S. Census Bureau, 2010 American Community Survey (ACS) Public Use Microdata Sample (PUMS) File.
Summary Points

1. Reaching the goal will require improvements/changes on many fronts
   - High school graduation rates
   - Rates of college participation of recent high school graduates
   - Retention and graduation of enrolled college students
     • Research universities
     • Community colleges
   - Enrollment and graduation of adults
     • Some college/no degree
     • More certificates and associates degrees

2. Attainment levels will have to be increased by actions of Kansas institutions – cannot rely on immigration

3. Community and technical colleges will be critical players if the goal is to be attained
For More Information Contact:

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