The Human Dimension of the Kansas Economy
1970 - 2008

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  - [http://www.ipsr.ku.edu/ksdata/ksah/](http://www.ipsr.ku.edu/ksdata/ksah/)
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  - Genna Hurd
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Kansas Economy—Human Dimension

- Examine how changes in:
  - Population
  - Employment
  - Education
- Have contributed to recent economic growth and change:
  - In Kansas
  - Relative to neighboring states
  - Relative to rest of the country
Population Trends

**United States**

- **Population Growth**

- **Aging of population**
  - > 65 Years of Age
    - 10.2% in 1970
    - 12.4 % in 2003
  - 5-17 Years of Age
    - 24.5 % in 1970
    - 18.3 % in 2003

**Kansas**

- **Population Growth**
  - 18.6 % 1970 – 2008

- **Aging of population**
  - > 65 Years of Age
    - 12.2% in 1970
    - 13 % in 2003
  - 5-17 Years of Age
    - 23.7 % in 1970
    - 18.6% in 2003
Population Trends

**United States**
- Increased immigration
  - 11.1% of population in 2000
  - 42.4% increase 1990-2000
- Changes in racial composition
  - 87.2% white in 1970
  - 80.5% white in 2003

**Kansas**
- Increased immigration
  - 5% of population in 2000
  - 55.1% increase 1990-2000
- Changes in racial composition
  - 94.7% white in 1970
  - 86.1% white in 2003
Maximum Population by Year

Census Year of Maximum Population by Kansas County, 1890-2000

Source: U.S. Census Bureau, Decennial Census, 1890-2000.
Population Trends—Plains States

Components of Population Change, 2000-2008
Kansas and Neighboring States

Average annualized rates per 1,000 people
Source: U.S. Census Bureau, Vintage 2000 population estimates
Population Trends—Kansas Counties

Components of Population Change, 2000-2008
Kansas Counties, Kansas, and Neighboring States

Average annualized rates per 1,000 people.
Source: U.S. Census Bureau, Vintage 2008 population estimates.
Dependent Population by County

Percent of Population Not in Civilian Labor Force (Age 18-64) in Kansas, by County, 2008


Kansas 46.6%
United States 49.4%
### United States

**Increased Skills**

- **High School or More**
  - 75.2% in 1990
  - 84.6% in 2003

- **College Grads or More**
  - 20.3% in 1990
  - 27.2% in 2003

### Kansas

**Increased Skills**

- **High School or More**
  - 81.3% in 1990
  - 88.6% in 2008

- **College Grads or More**
  - 21.1% in 1990
  - 31% in 2003
Educational Attainment

Percent of Population Age 25 and Over with a High School Diploma or Greater Level of Educational Attainment in Kansas, by County, 2000

Source: U.S. Census Bureau, 2000 Census, Summary File 3, Table P37.
Educational Attainment

Percent of Population Age 25 and Over with a Bachelors Degree or Greater Level of Educational Attainment in Kansas, by County, 2000

Source: U.S. Census Bureau, 2000 Census, Summary File 3, Table P37.
Employment and Earnings

**United States**
- Female Labor Force Participation
  - 58.8% in 1994
  - 59.5% in 2003
- Slight Decrease in Male Labor Force Participation
  - 75.1% in 1994
  - 73.5% in 2003

**Kansas**
- Female Labor Force Participation
  - 63.8% in 1994
  - 64.7% in 2003
- Slight Decrease in Male Labor Force Participation
  - 78.4% in 1994
  - 75.6% in 2003
U.S. Earnings Trends

- **U.S. Men: Stagnant Real Median Earnings**
  - $44,367 in 1970
  - $46,367 in 2008
    - 4.5% increase

- **U.S. Women: Increased Real Median Earnings**
  - $26,340 in 1970
  - $35,745 in 2008
    - 35.7% increase
Jobs and Employment

Jobs and Population in Douglas, Johnson, Leavenworth, Shawnee, and Wyandotte Counties
(as a percent of state total)

Source: Population from U.S. Census Bureau, Decennial Census and Population Estimates Division; jobs by place of work from U.S. Bureau of Economic Analysis, Regional Economic Information System.
Jobs and Employment

Jobs and Population in Douglas, Johnson, Leavenworth, Shawnee, Sedgwick, and Wyandotte Counties
(as a percent of state total)

Source: Population from U.S. Census Bureau, Decennial Census and Population Estimates Division; Jobs by place of work from U.S. Bureau of Economic Analysis, Regional Economic Information System.
Employment by Industry

Employment by Industry, 2007

Source: Bureau of Economic Analysis (BEA), Total employment by industry, Table CA25.
Average Wage Per Job 2007

Average Wage per Job in Kansas, by County, 2007

Source: Bureau of Economic Analysis (BEA), Local Area Personal Income, Table CA34.

Dollars

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Kansas Nonmetropolitan Portion $28,624
Kansas Metropolitan Portion $40,055
United States $43,889

Grant $37,277
Douglas $39,007
Johnson $43,616
Elk $39,560

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Economic Growth

**United States**
- Real GDP Growth
  - 22.8% 1990-1997
  - 27.0% 1998-2007

**Kansas**
- Real GDP Growth
  - 20.9% 1990-1997
  - 20.9% 1998-2007
Per Capita Gross Domestic Product

Per Capita Real Gross Domestic Product by State, 2008

Source: Bureau of Economic Analysis (BEA).
Personal Income

Personal Income in Kansas, 1969-2007
(adjusted to 2005 dollars)

Sources: Personal Income from Bureau of Economic Analysis (BEA), Personal Consumption Expenditures: Chain-type Price Index (PCECPI) from Federal Reserve Bank of St. Louis.
Kansas Share of Employment Relative to U.S. by Industry, 2007

Employment Share in Kansas vs. US by Industry

Kansas Share

Industry

Agriculture  Mining  Finance  Information  Other  Manufacturing  Utilities  Transportation  Construction  Government  Retail Trade  Professional  Wholesale  Ed & Health  Arts
Industry Share of Kansas Gross State Product, 2007

The chart above illustrates the share of Kansas Gross State Product (GSP) for various industries in 2007. The industries are ranked by their contribution to the state's GSP, with the largest share at the top and the smallest at the bottom. The manufacturing sector leads by far, followed by finance and government. Retail trade, health services, and transportation also have significant shares. The chart provides a clear comparison of the proportionate contribution of each industry to the state's overall economic output.
Change in Kansas Real GSP by Industry, 1998 - 2007
What Future Holds

- Continued population shifts:
  - Big will get bigger, the small smaller
    - Unless alternative energy, agriculture and other industries grow in Western Kansas

- Employment and Earnings Growth will be tied to increased skills and lifetime learning
  - Kansas has a comparative advantage in skill
  - Low cost of living
  - We should work to attract high-skill jobs
What Future Holds

- **Largest Kansas Industries are under pressure**
  - Manufacturing, Finance, Information, Retail, and Construction will retrench and perhaps shrink in near future

- **Where will the growth come from?**
  - Energy and Alternative Energy
  - Bioscience
  - Transportation
  - Agriculture
The remaining speakers will address these issues