

# Missouri indicators: Aging & work

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## MISSOURI INDICATORS: AGING & WORK

By: Michelle Wong with  
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### Quick Fact Check for Missouri

|  |   |
|--|---|
| • Median age of the population   | 37.2 years  |
| • % population 55+   | 24.2%   |
| • Median age of the workforce  | 41.3 years  |
| • % of population ages 55-64 employed                                  | 59.8%   |
| • % workforce ages 55-64 self employed                                 | 20.9%   |
| • Unemployment Rate of ages 55 - 64                                    | 3.4%  |
| • Economic activity by industry sector                                 | 15.0% of GDP is Manufacturing   |
| • Industry sectors with high percentages of workers 50-59 years old    | Machinery manufacturing: 32.0%<br>Food manufacturing: 26.6%<br>Miscellaneous & not specified manufacturing: 25.5% |
| • Occupational groups with high percentages of workers 50-59 years old | Community & social service: 24.9%<br>Management: 24.2%<br>Business & financial operations: 22.2%                  |
| • Educational levels achieved by residents 55 years or older           | 20.4% bachelors degree or higher  |

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## State Profiles Overview

Changes in the age composition of the population – and of the labor force – have emerged as one of the defining social, economic and public policy issues of the 21st century. State leaders across the country are grappling with the implications of these shifts. As they move from awareness-to-action, they need access to information.

The State Perspectives Institute at the Boston College Center on Aging & Work has developed State Profiles to provide thoughtful leaders with information needed for planning decisions.

The State Profiles include information about the age demographics of the population, age demographics of the labor force, industry sectors and occupational groups, education and workforce preparedness, and legislative readiness.

## Section 1: Age Demographics of the Population

### Introduction

Age is one factor that helps us to predict and understand different types of life experiences. Some of these relationships are obvious. For instance, entry into the workforce typically occurs between the ages of 18 and 25. There are also connections between age and people's assessment of different aspects of their lives, such as life satisfaction. Information about age can provide insights into some of the interests and supports needed by people. For example, states with large percentages of people between the ages of 25-34 are likely to find differences in the demands for specific types of services than those states with high percentages of people over the age of 75 years.

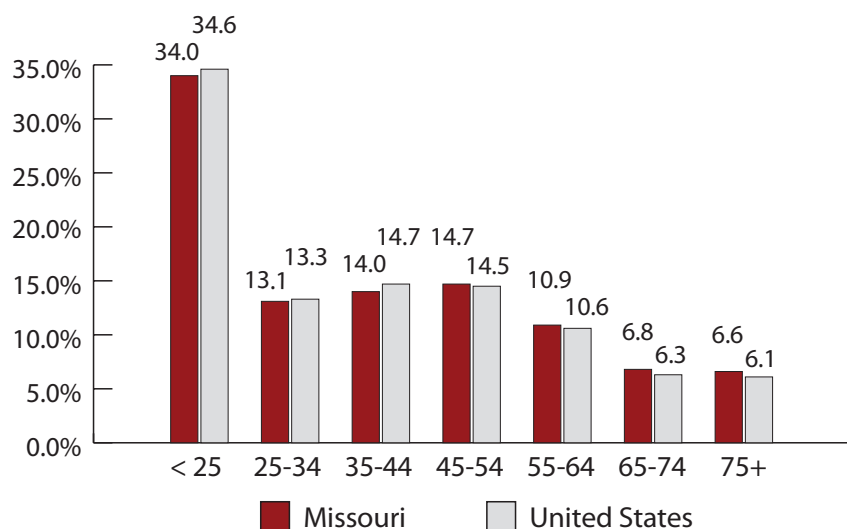
The median age in Missouri, 37.2, is higher than the median age of the nation, 36.4.

*Questions you might want to consider:*

*How does the age distribution of the population in our state compare to all of the states in the country?*

*Have businesses and education/health/social service providers in the state customized their marketing and outreach and delivery of products and services to the different age groups?*

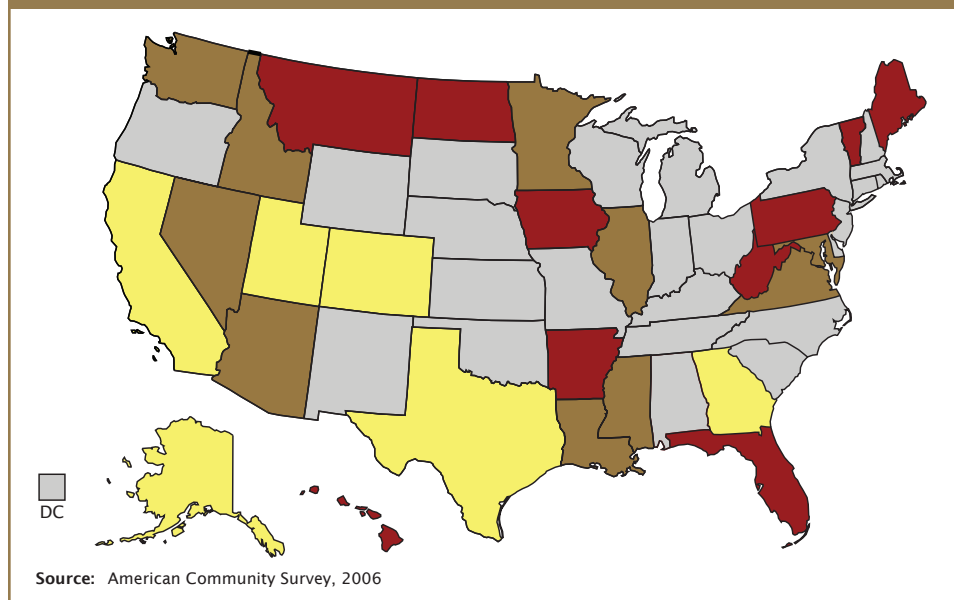
Figure 1: Population by Age (2006)



Source: American Community Survey, 2006

Nearly one in every four people residing in Missouri (24.2% of Missouri's population) is 55 years of age or older.

**Figure 2: % of Population Aged 55+ by State**



**Key:**

- 25% +
- 23 - 24.9%
- 21 - 22.9%
- < 21%

## Population Changes: Distribution by Age 2000-2006

### Importance of this Information:

Unique leadership opportunities can arise when there are shifts in trends, such as changes in the age demographics of the population. These changes may prompt leaders to pause, step-back, and think about the past, the present, and the future.

Times of change can also be opportune moments for state leaders in the government, business, and non-profit sectors to assess the state's capacity to leverage the changes into competitive advantages.

### Observation about Recent Changes in the Age Distribution of Missouri's Population:

From 2000-2006, the changes in the age distribution of Missouri's population reflected national trends. That is, in Missouri, there was a decrease in the percentage of the population under the age of 45 and an increase in the 45-64 age group. In comparison to national statistics, Missouri was behind the curve with regard to the increase in the percentage of people aged 75 and older.

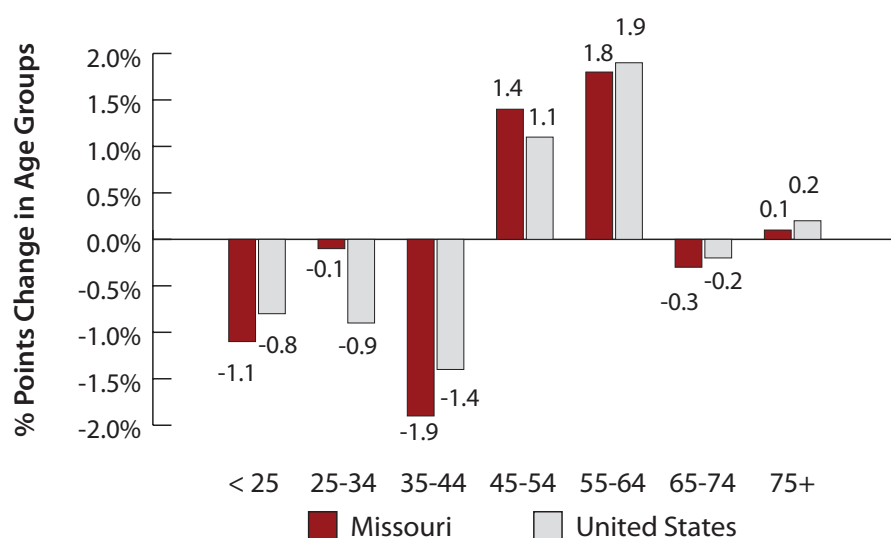
*Questions you might want to consider:*

*Did leaders in our state anticipate the changes which have occurred recently in the age demographics of our population?*

*As appropriate, did leaders from the government, business, and non-profit sectors engage in collaborative dialogue about the potential impact of these changes?*

*Were the responses of the state to the changes in the age demographics effective?*

**Figure 3: Percentage Point Changes in Population Age Groups 2000-2006 in Missouri and the United States**



Source: American Community Survey, 2006 and Census, 2000

## Anticipated Population Changes: Distribution by Age 2006 – 2010

### Importance of this Information:

Forecasts about the future can help states to enhance their readiness for anticipated changes.

- ➔ Businesses can take steps so that they can effectively recruit, engage, and retain workforces from the different age groups.
- ➔ Non-profit organizations can take steps to develop the programs and resources often needed by people in the different age groups.
- ➔ Government agencies can consider strategic policy adjustments to better reflect the needs of residents of different ages.

### Observation about the Anticipated Changes in the Age Distribution of Missouri's Population:

Compared to national statistics, Missouri is expected to witness a more significant decrease in the 35-44 year old population group. In addition, the Missouri population will age slower than the country as a whole. That is, there will be a smaller percentage point change in the 55-74 age group between 2006 and 2010.

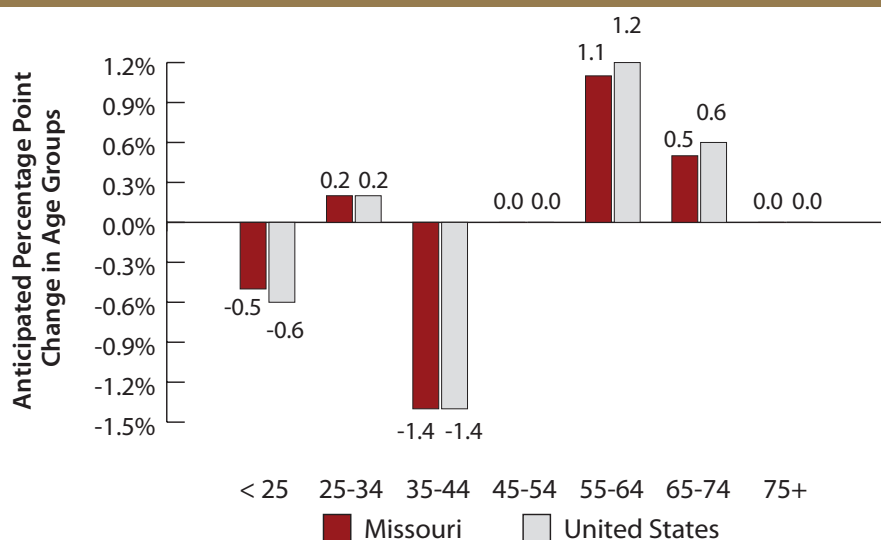
Questions you might want to consider:

*What implications might the aging of the populations have for government, business, and non-profit sectors?*

*Are there new opportunities for leveraging the assets that people of different ages might be able to contribute to the health and welfare of the state?*

*Are there opportunities for new pilots that either focus on population groups that are increasing in size as well as those that are decreasing in size?*

**Figure 4: Anticipated Percentage Point Changes in Population Age Groups in Missouri and the United States, 2006 – 2010**



Source: American Community Survey, 2006; Census, 2000; Census, 2005

## Section 2: Labor Force Participation Demographics and Age

### Introduction

One of the most profound changes tied to the aging of the population is the aging of the workforce. State leaders may want to consider the impact of several trends:

- As the workforce ages, employers might consider how they want to adjust their employee policies and practices to reflect the needs and priorities of older workers.
- Today's workers aged 50 and older report that they anticipate working past the traditional retirement years of 62-65.<sup>1</sup> This will augment the aging trends of the workforce.
- Older workers who are either entering the labor force for the first time or who are unemployed and looking for work may represent a segment of the labor force that is under tapped.

### Labor Force Participation: Distribution by Age

#### Importance of this Information:

The Census Department has established three categories relevant to labor force participation: employed, unemployed (and seeking paid work), and not in the labor force (and not seeking paid work). Variations in these categories may reflect life course events that are age-related. For example, young adults who are not in the labor force may be full-time students; adults at mid life who are not in the

Questions you might want to consider:

How do the employment rates of people in different age groups in our state compare with national statistics?

Do state leaders have information and insight about the employment and work preferences of adults in the different age groups?

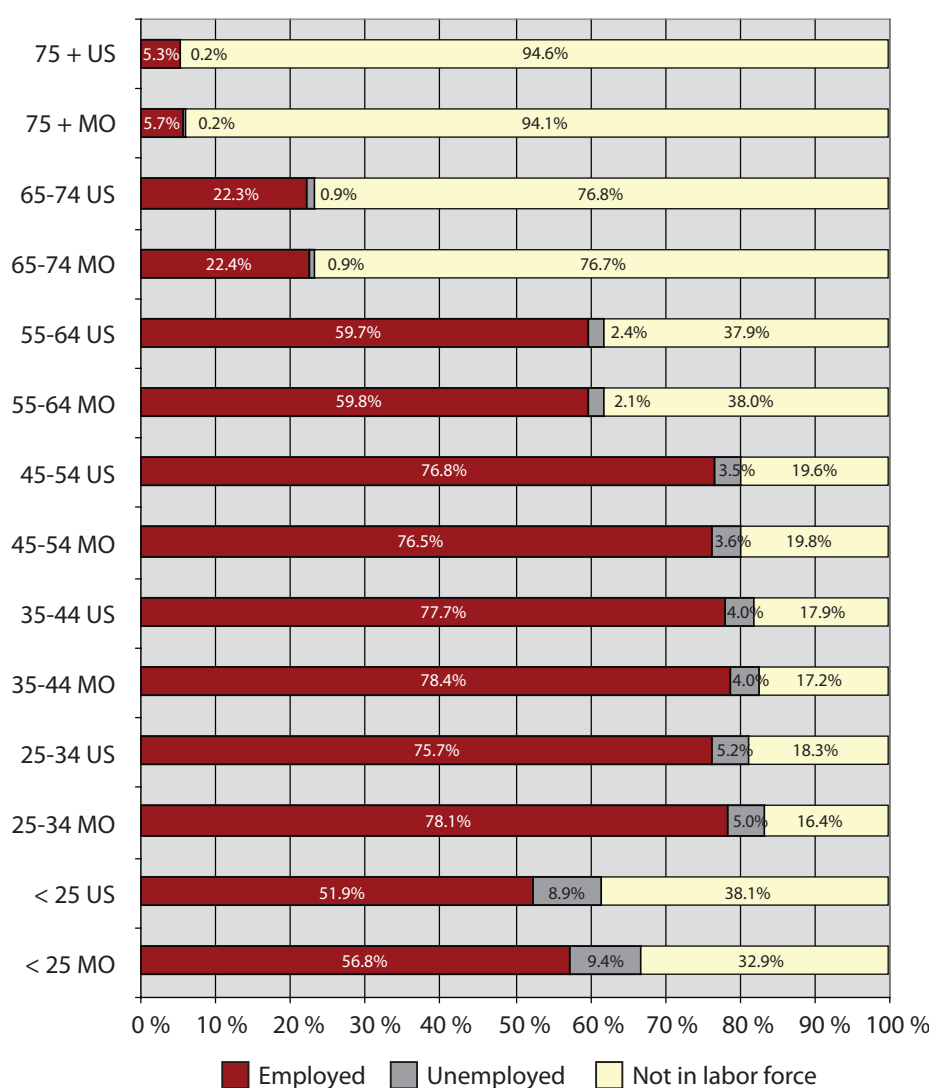
labor force may be parents raising children; and older adults who are not in the labor force may be retired. It is also true that adults who have been unemployed for a long time and are discouraged might report that they are not in the labor force, regardless of age.<sup>2</sup>

### Observation about Labor Force Participation in Missouri:

The median age for all Missouri workers over the age of 16 is 41.3 years, which is slightly higher than the national median age of 41.1 years.

The labor force participation rates of Missouri adults under the age of 45 are higher than national statistics.

Figure 5: Labor Force Participation by Age\*



Source: American Community Survey, 2006

\*Note: This is the percentage of unemployed within the age group and *not* the unemployment rate.



## Labor Force Participation in the Public Sector, Private Sector, and Self Employed by Age

### Importance of this Information:

Labor force participants may become employees for the government (at the local, state, or federal levels) or private organizations (either those that are for-profit or non-profit). Alternatively, labor force participants might be self employed (as contractors, consultants, or business owners).

The mix of labor force participation linked to each of these segments of the economy may affect emergent economic activity (such as “start-ups”) and sustained economic growth.

### Observation about the Age of Missouri’s Workforce by Sectors Groups:

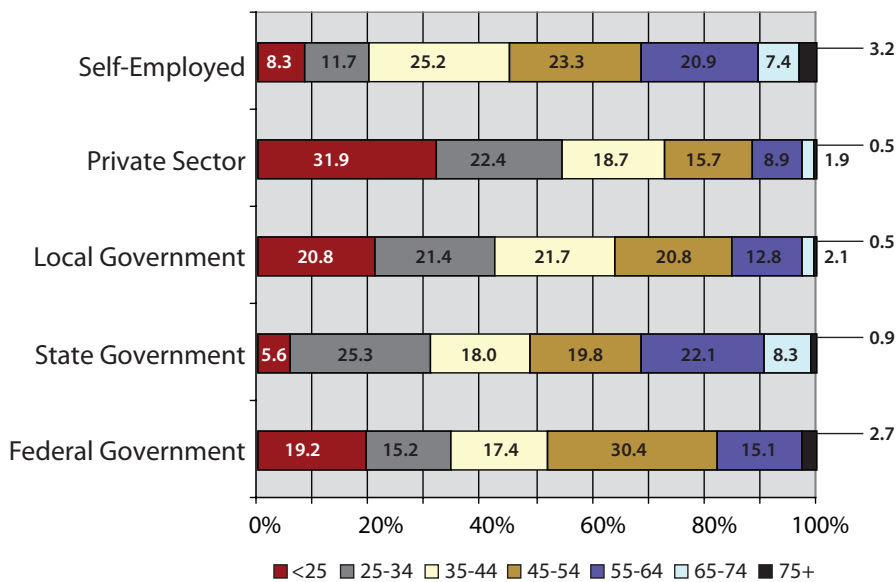
- Workers under the age of 25 comprise the largest percentage of labor force participants who work in the private sector.
- Workers age 55-64 comprise the second largest percentage of labor force participants who work for the state government.

Questions you might want to consider:

What motivates, incentivizes, or deters labor force participants to work in the public sector, the private sector (for profit or non-profit), or to be self-employed?

What steps could employers in the public and private sectors take to recruit, engage, and retain workers of all ages?

Figure 6: Age of the Missouri Workforce in the Public Sector, Private Sector, and Self-Employed Groups



Source: McNamara, 2007 (data from Current Population Survey, January 2006 through June 2007)

## Unemployment Rates by Age

### Importance of this Information:

High rates of unemployment create personal hardship and are also public policy concerns. State leaders will want to consider the implications of variations in the unemployment rates by age. It may also be important to consider variations by age in the utilization of services and programs designed to help people find employment.

### Observation about Age and Unemployment:

The unemployment rates in Missouri generally reflect a downward slope; that is, the rates are highest among the youngest groups of labor force participants and lowest for the older groups.

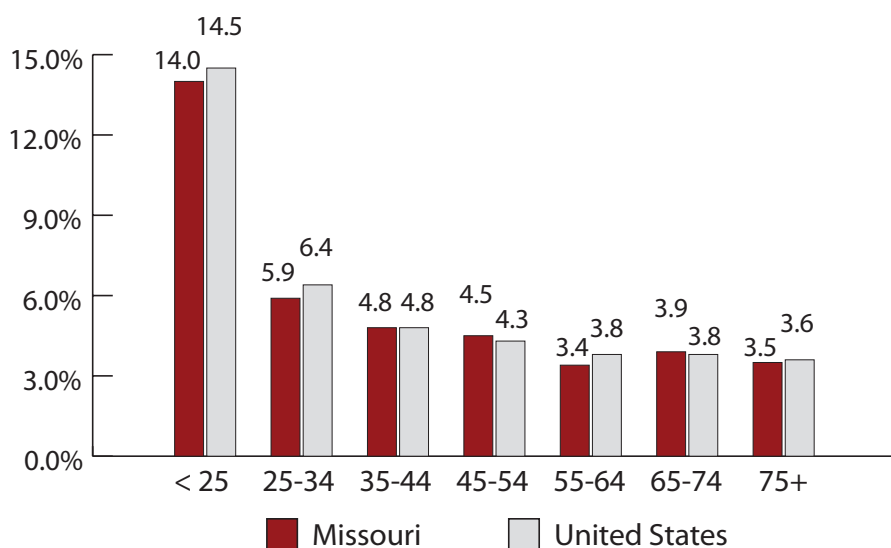
In the youngest and oldest age groups, Missouri has a lower unemployment rate compared to national statistics.

*Questions you might want to consider:*

*Do the unemployment rates among workers of different ages reflect the economic stress experienced in particular industries or occupations?*

*Do the unemployment rates among workers of different ages reflect individual employment experiences, education, or marketable skills and competencies?*

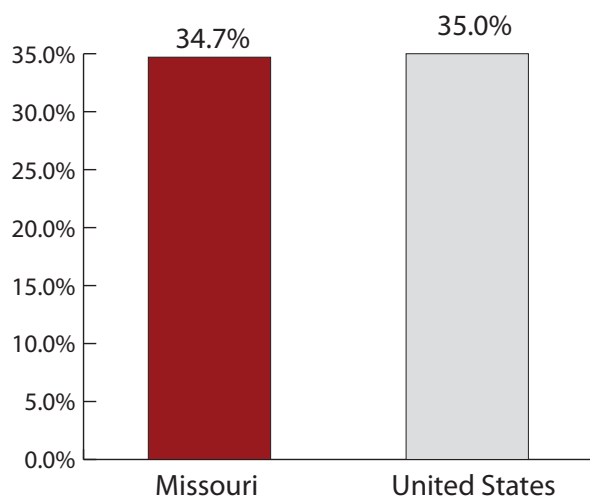
**Figure 7: Annual Unemployment Rate by Age, 2005**



Source: American Community Survey, 2006

The employment rate among people aged 55 and older in Missouri (34.7%) is slightly lower than in the country as a whole.

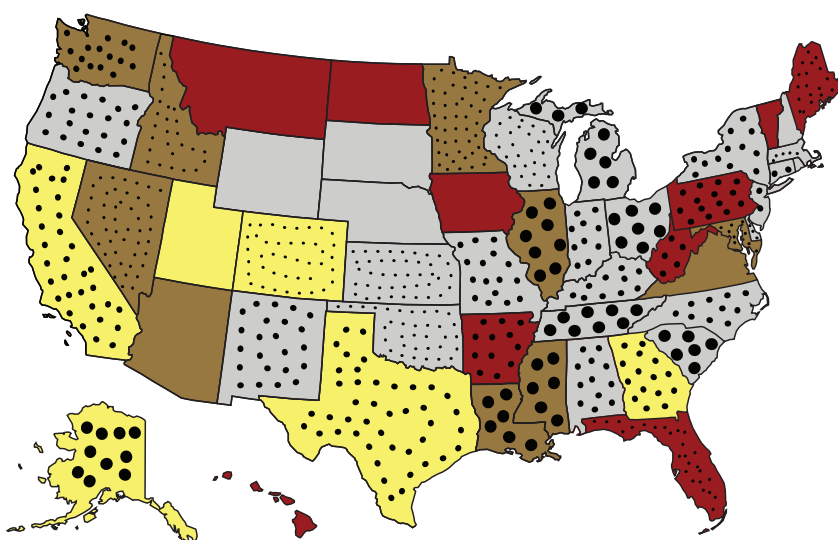
Figure 8: Employment Rate of Those 55+



Source: American Community Survey, 2006

The map below indicates that Missouri has relatively high unemployment rates and relatively high percentages of people aged 55 and older.

Figure 9: Nationwide Unemployment and Population 55+



Source: American Community Survey, 2006

**Key:**  
**Population Age 55+**

- 25% +
- 23 - 24.9%
- 21 - 22.9%
- < 21%

**Unemployment Rate:**

- Large dots = 7.0% +
- Medium dots = 6.0-6.9%
- Small dots = 5.0-5.9%
- No dots = < 5.0%

### Section 3: Industry Sector and Occupational Groups

#### Introduction

It is important to make the connection between workforce development and economic activity. Job expansion may be located in those industry sectors that make significant contributions to states' economies and those that are expected to grow.

#### Economic Output

##### Importance of the Information:

Measures of economic output provide insight into the business productivity.

##### Observation about Economic Output by Industry Sector in Missouri:

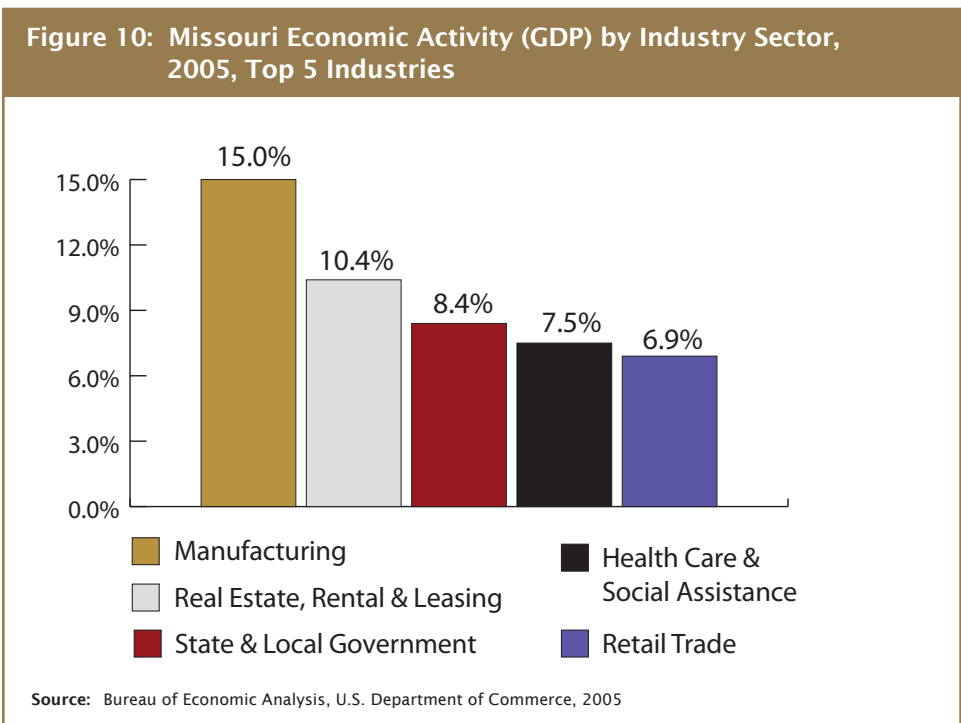
As an industry sector, manufacturing contributes the most to the state economy, as measured by gross domestic product.

*Questions you might want to consider:*

*Which industry sectors anchor the state's economy?*

*Which industry sectors are in growth mode?*

*Which industry sectors show signs of being in decline?*



## Employment by Industry Sectors

### Importance of Information:

There can be significant variation in the age demographics of workforces in different industry sectors. Older workers employed in industry sectors expected to decline in their economic output may find career opportunities constrained.

### Observation about Employment in Missouri's Industry Sectors:

In comparison to Missouri, across all age groups in the United States, the five industries that employ the highest percentages of the workforce are: real estate, rental & leasing (14.5%); manufacturing (13.9%); state & local government (9.8%); finance & insurance (8.8%); and professional & technical services (7.9%).<sup>3</sup>

Within each age group, different Missouri industries employ high percentages of workers. The information in Table 1 indicates the industry groups that employ the highest percentage of workers in each of the age groups. For example, employees aged 50-59 comprise 32.0% of the workforce in the machinery manufacturing industry in Missouri.

**Table 1: Industries (top 3) Employing Highest Percentages of Workers  
(as % of the workforce in that industry) by Age Group\***

|               |   |       |
|---------------|---|-------|
| • 20-29 years | Food services & drinking places             | 65.2% |
|               | Retail trade                                | 46.7% |
|               | Primary metals & fabricated metal products  | 42.3% |
| • 30-39 years | Transportation equipment manufacturing      | 41.7% |
|               | Personal & laundry services                 | 28.4% |
|               | Food manufacturing                          | 28.1% |
| • 40-49 years | Insurance                                   | 33.0% |
|               | Chemical manufacturing                      | 31.8% |
|               | Real estate                                 | 29.8% |
| • 50-59 years | Machinery manufacturing                     | 32.0% |
|               | Food manufacturing                          | 26.6% |
|               | Miscellaneous & not specified manufacturing | 25.5% |
| • 60+ years   | Agriculture                                 | 34.9% |
|               | Educational services                        | 15.4% |
|               | Hospitals                                   | 14.7% |

Source: Current Population Survey, April 2006 - July 2007

\*Note: Industries accounting for less than 1% and fewer than 25 respondents were omitted.

Questions you might want to consider:

What are the variations in the employment rates of younger workers, workers at midlife and older workers in different industry sectors?

Do those industry sectors expected to experience growth in the future tend to hire proportionate percentages of workers across the age groups?

## Employment by Occupational Groups

### Importance of this Information:

The occupational choices made vary from generation to generation. As a consequence, the age distribution within occupational groups varies.

### Observation about Employment by Occupational Groups in Missouri:

Within each age group, different occupations employ different percentages of workers. The information in Table 2 indicates the occupational groups with the highest percentage of workers in each of the age groups. For example, employees aged 50-59 comprise 24.9% of people in the community & social service occupational group.

**Table 2: Occupations (top 3) with the Highest Percentages of Workers  
(as % of the workforce in that occupation) by Age Group\***

|               |   |       |
|---------------|---|-------|
| • 20-29 years | Food preparation & serving related          | 60.6% |
|               | Protective service                          | 47.0% |
|               | Healthcare support                          | 43.0% |
| • 30-39 years | Computer & mathematical science             | 34.6% |
|               | Community & social service                  | 33.8% |
|               | Legal occupations                           | 32.6% |
| • 40-49 years | Management                                  | 29.0% |
|               | Arts, design, entertainment, sports & media | 28.1% |
|               | Building & grounds cleaning & maintenance   | 26.4% |
| • 50-59 years | Community & social service                  | 24.9% |
|               | Management                                  | 24.2% |
|               | Business & financial operations             | 22.2% |
| • 60+ years   | Building & grounds cleaning & maintenance   | 16.6% |
|               | Management                                  | 13.0% |
|               | Sales & related occupations                 | 10.7% |

Source: Current Population Survey, April 2006 - July 2007

\*Note: Occupations accounting for less than 1% and fewer than 25 respondents were omitted.

*Questions you might want to consider:*

*What is the age distribution in occupational groups anticipated to grow in the next decade?*

## Section 4: Education & Workforce Preparedness

### Introduction

Education and training continue to be the most effective path to sustained employment. The highest level of education attained by the majority of Missouri residents of all age groups was high school graduate.

### Educational Attainment by Age Group

#### Importance of Information:

Education is a predictor of employment rate and income. Employers want to hire employees with relevant and current education and training.

#### Observation about Educational Attainment by Age Group:

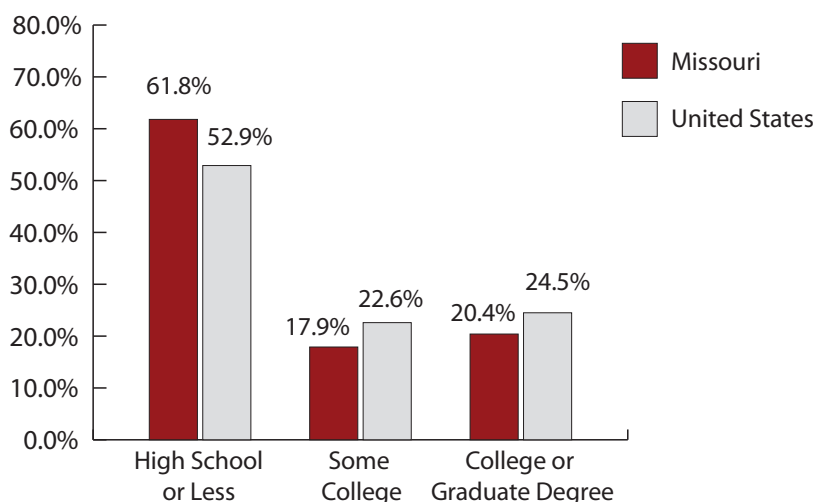
Compared with the nation as a whole, Missouri residents aged 55 and older comprise a lower percentage of those with some college or a college or graduate degree.

*Questions you might want to consider:*

*Do the residents in our state have the education and training sought by employers currently located in the state?*

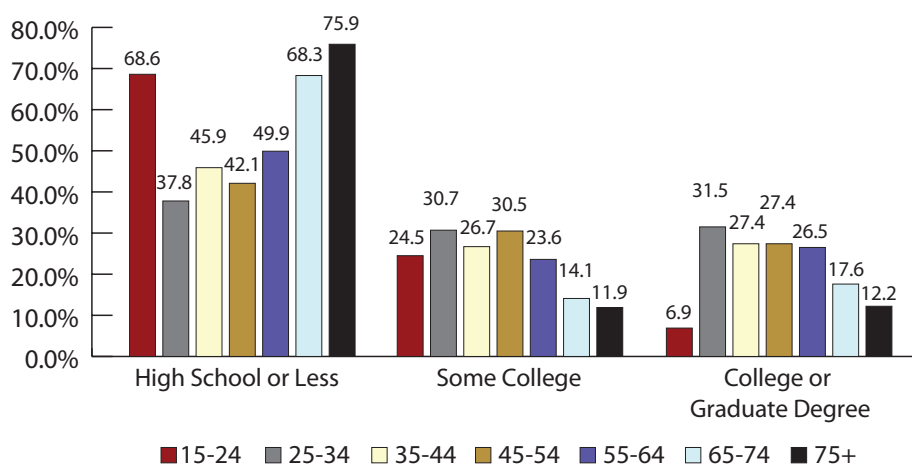
*Do the residents in our state have the education and training needed by businesses that might have an interest in locating in the state?*

Figure 11: Missouri Education Levels for the Population 55+



Source: Current Population Survey, 2007

Figure 12: Missouri Educational Attainment by Age



Source: Current Population Survey, 2007

## Section 5: Legislative Readiness

### Introduction

One way of evaluating states' readiness to address the aging population is by looking at legislation and legislative committees relevant to older workers. Policies that expand the employment opportunities available to older workers can complement the efforts of employers interested in recruiting, engaging, and retaining older workers.

There are ample opportunities for states, as both policy-makers and as employers, to facilitate the employment of older workers, including:

- Raise awareness about the aging of the workforce by providing information to residents, community-based organizations, and employers.
- Establish employment standards to guide employer decision-making.
- Provide services to older residents and to employers, such as training.
- Recognize the efforts of model employers who work to expand the quality employment opportunities to older workers.
- Being model employers themselves and utilizing "best practices," such as expanding the availability of flexible work options or providing training.

### Current Legislation

Legislative activity is one indicator of the state's level of preparedness to respond to the aging of the workforce.

Figure 13 indicates that most of the state bills in 2005-2006 addressed issues related to the employment of older workers who work in public sector agencies and departments.

Questions you might want to consider:

Have state agencies considered how the aging of the population will affect the expectations for state services?

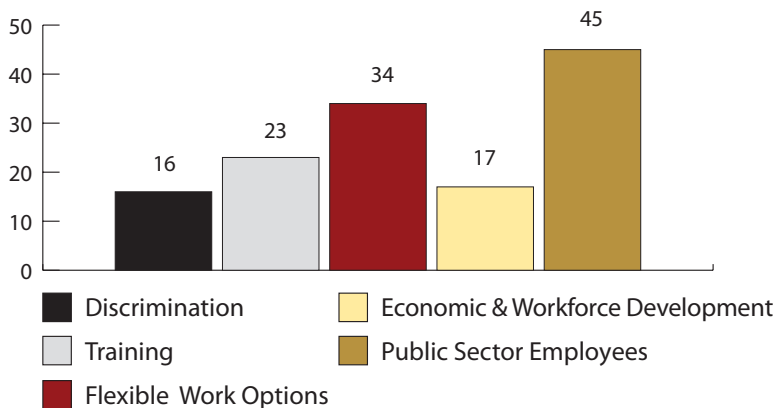
Have state agencies considered how the aging of the workforce will affect their ability to recruit, engage, and retain talented employees?



Figure 13: State Bills Related to Older Workers by Content Area

Source: Center on Aging and Work, 2007<sup>4</sup>

Figure 14: State Statutes Related to Older Workers by Content Area

Source: Center on Aging and Work, 2007<sup>5</sup>

To date, there have been no bills relevant to older adults introduced in the Missouri legislature during the 2007-2008 session. There were also no bills introduced during the 2005-2006 session.

### Legislative Committees:

The presence of legislative committees is another indicator of a state's readiness to respond to aging because these committees channel much of legislators' discussion and dialogue.

At present, Missouri has three legislative committees relevant to older adults: the Senior Citizen Advocacy Committee in the House, the Retirement Committee in the House and the Aging, Families, Mental and Public Health Committee in the Senate.

## References:

- <sup>1</sup> Brown, S. K. (2005). *Attitudes of individuals 50 and older toward phased retirement* (research report). Washington, D.C.: AARP Knowledge Management. Retrieved November 21, 2007 from [http://www.aarp.org/research/work/retirement/Articles/attitudes\\_of\\_individuals\\_50\\_and\\_older\\_toward\\_phase.html](http://www.aarp.org/research/work/retirement/Articles/attitudes_of_individuals_50_and_older_toward_phase.html)
- <sup>2</sup> Maestas, N., & Li, X. (2006). *Discouraged workers? job search outcomes of older workers*. (Working Paper No. 133). Ann Arbor, MI: Missouri Retirement Research Center, University of Missouri. Retrieved November 21, 2007 from <http://www.mrrc.isr.umich.edu/publications/Papers/pdf/wp133.pdf>
- <sup>3</sup> Bureau of Economic Analysis. (2005). *Industry Economic Accounts*. Washington, D.C.: U.S. Department of Commerce. Retrieved November 21, 2007 from <http://www.bea.gov/industry/index.htm>
- <sup>4</sup> Center on Aging and Work. (2007). [Analysis of records from LexisNexis State Capital database, 2007]. Unpublished data.
- <sup>5</sup> Center on Aging and Work. (2007). [Analysis of records from LexisNexis State Capital database, 2007]. Unpublished data.

## The State Perspectives Institute

The State Perspectives Institute at the Boston College Center on Aging & Work partners with state leaders across the country to examine impacts of the 21st century age demographics on economic and workforce development. The Institute gathers and analyzes information about employment at state agencies, as well as workforce demographics in the states' primary industry sectors.

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