



2008 Lake Business Conference

March 25, 2008

Tan-Tar-A Resort in Osage Beach, MO

**Bill Elder, Director
Office of Social & Economic Data Analysis (OSED)**
University of Missouri



Overview

- ***Large Scale Trends***
- ***Trends in Missouri***
- ***Trends at the Lake***
- ***Emerging New Information Sources***

What we need to know about the
American Community Survey - Census

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Percent Population Change

April 1, 2000 to July 1, 2007

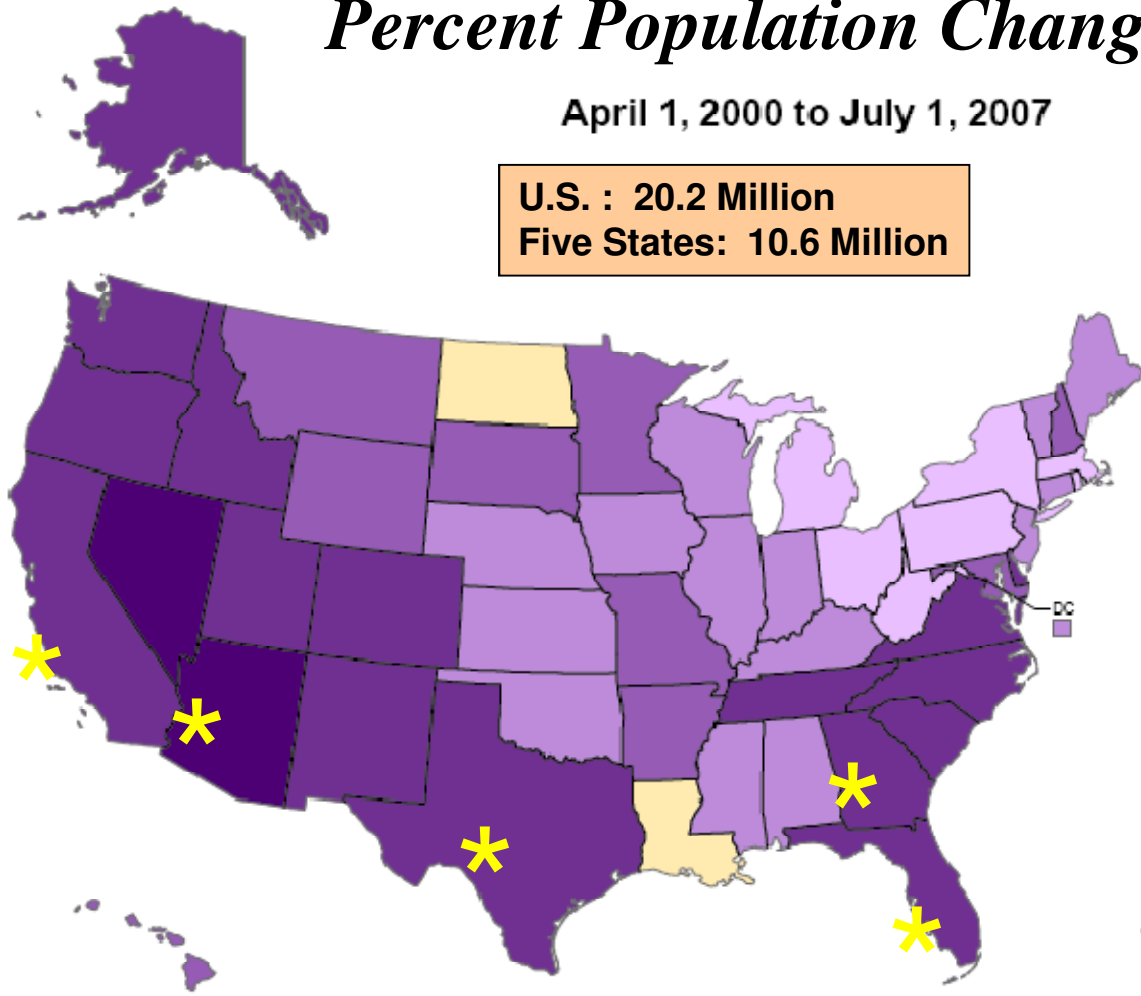
U.S. : 20.2 Million
Five States: 10.6 Million

Total Population

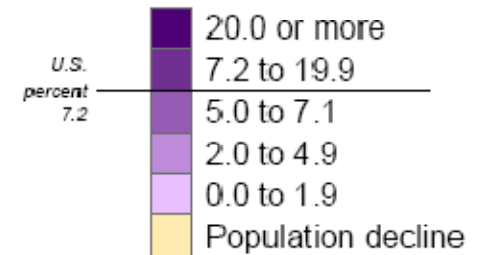
World: 6.7 Billion

U.S.: 302 Million

Mo.: 5,878,415



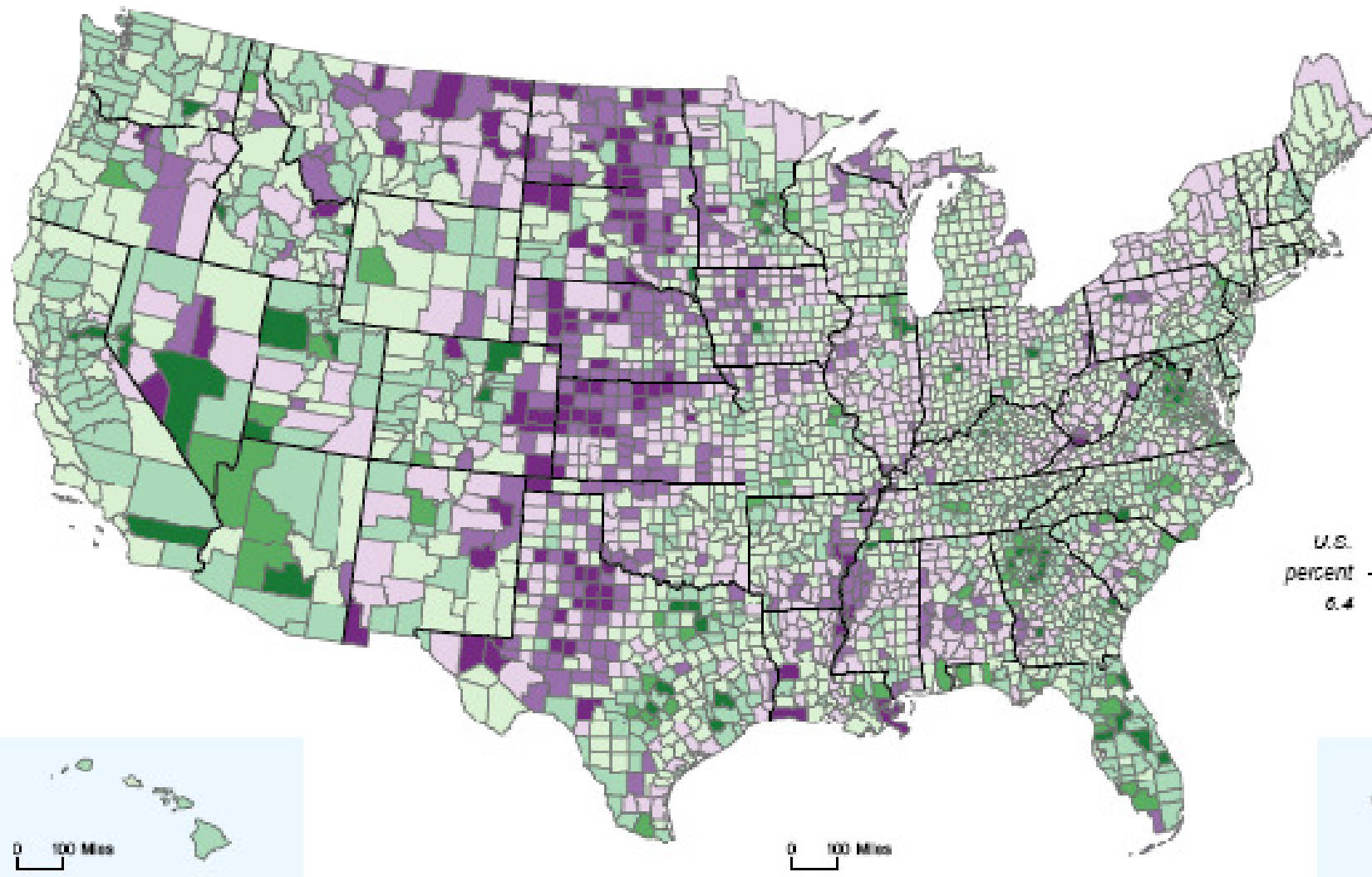
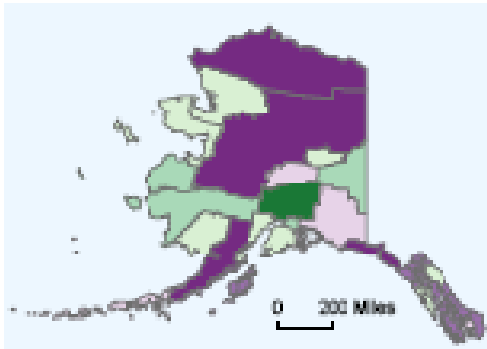
Percent change in population



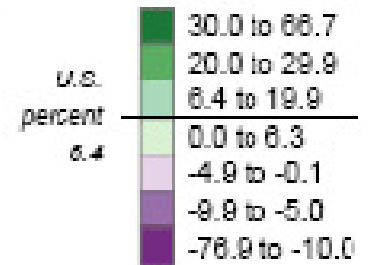
Missouri
281,732
5 percent

Source: U.S. Census Bureau, Population Division, 2007

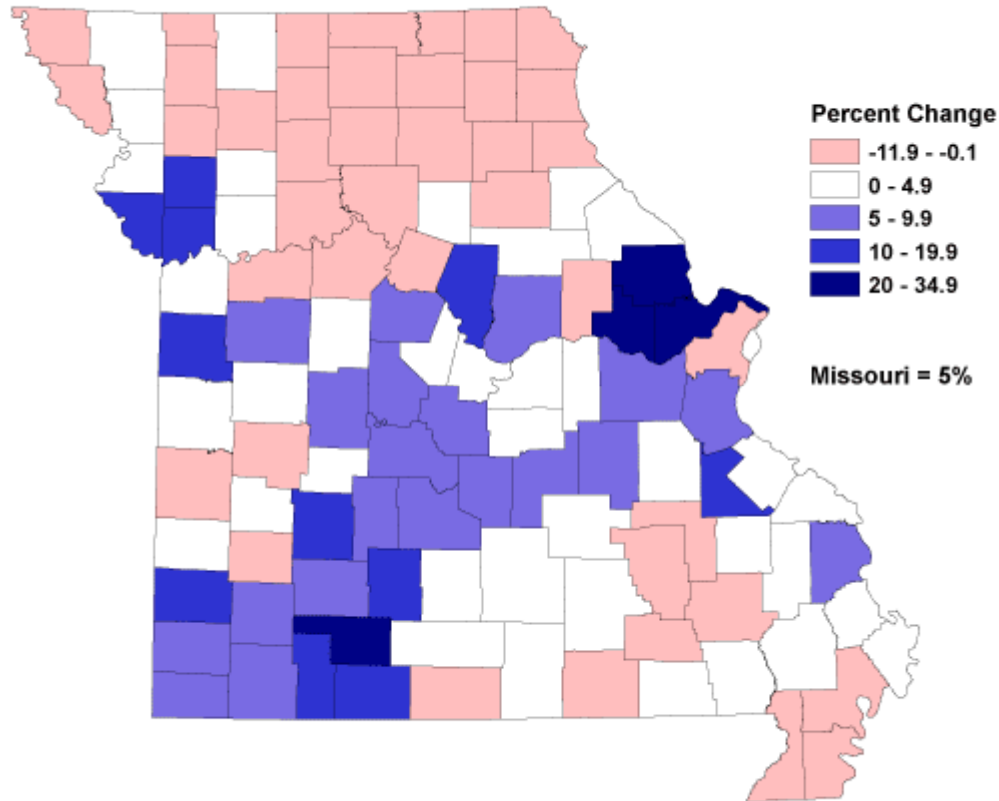
Percent Change in Population for Counties and Puerto Rico Municipios: April 1, 2000 to July 1, 2006



Percent change in population by county

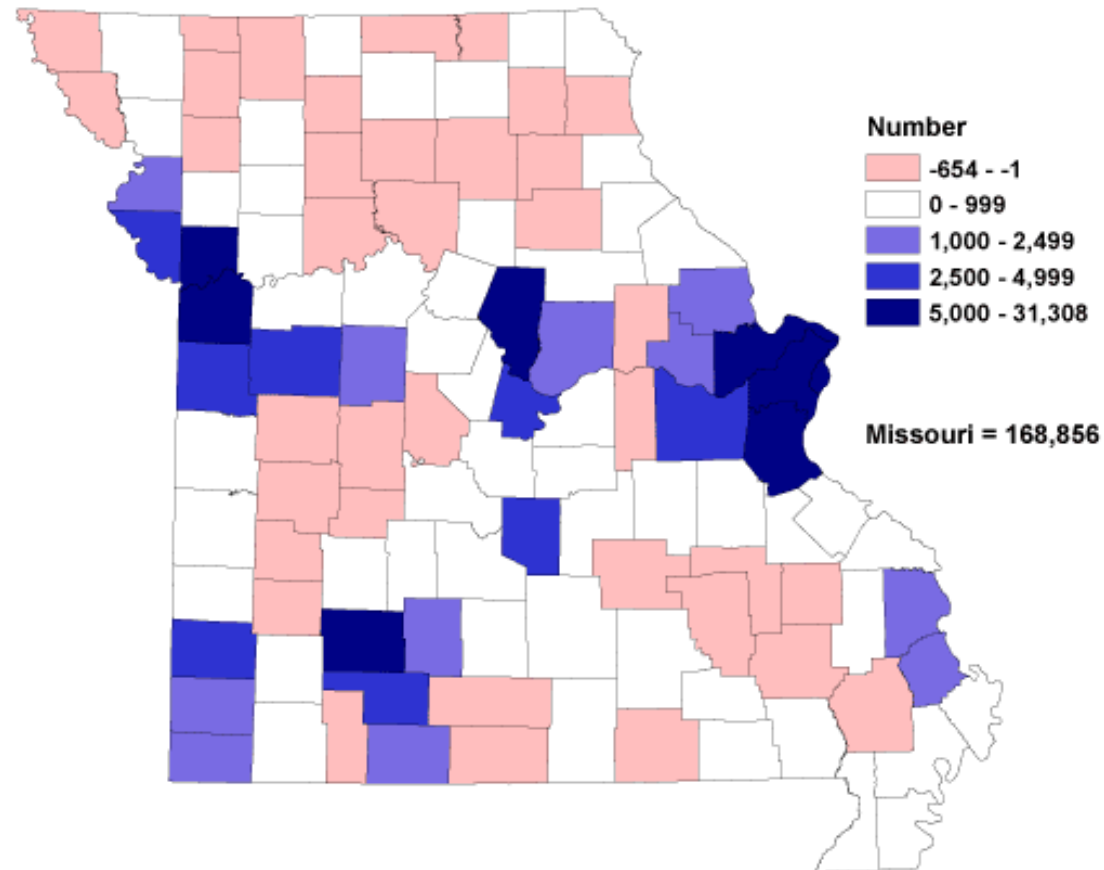


Percent Population Change in Missouri, by County 2000-2007



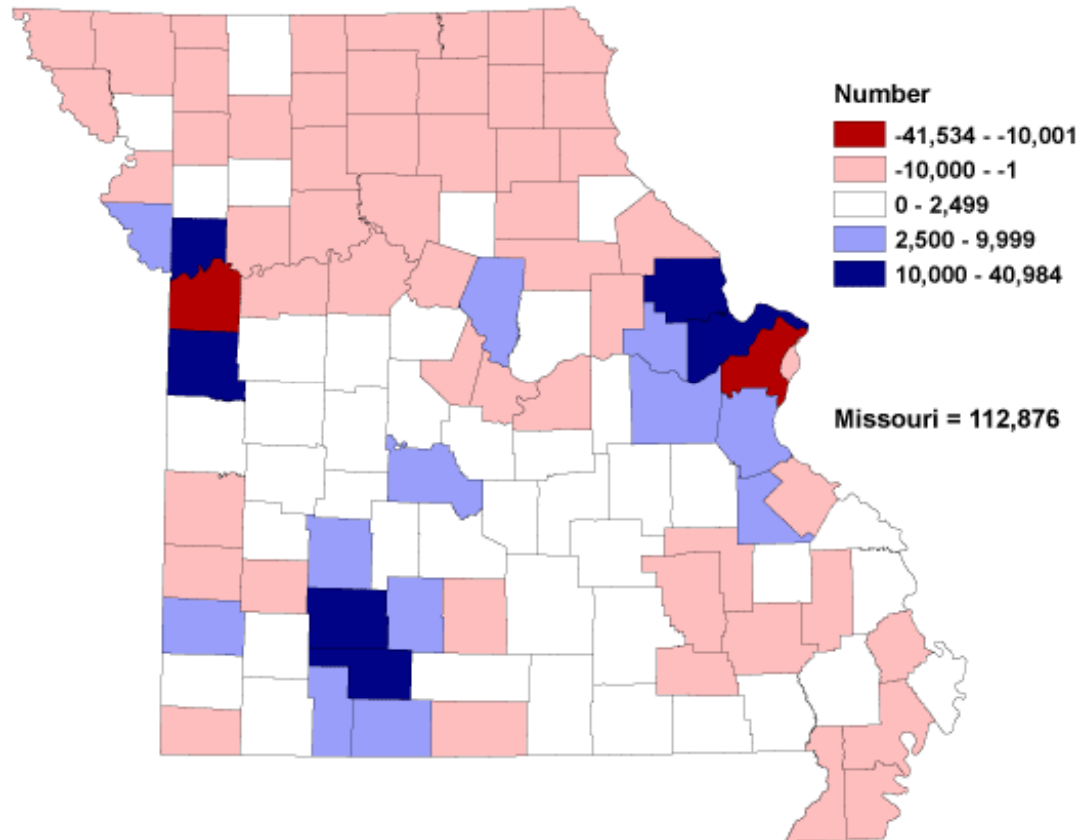
Source: Population Division, U. S. Census Bureau, Annual Estimates, April 1, 2000 - July 1, 2007.
Prepared by: University of Missouri Extension, Office of Social and Economic Data Analysis (OSEDA)
Map Generated on: 20 Mar 2008

Natural Increase in Missouri Population by County 2000-2007



Source: Population Division, U. S. Census Bureau, Annual Estimates, April 1, 2000 - July 1, 2007.
Prepared by: University of Missouri Extension, Office of Social and Economic Data Analysis (OSEDA)
Map Generated on: 24 Mar 2008

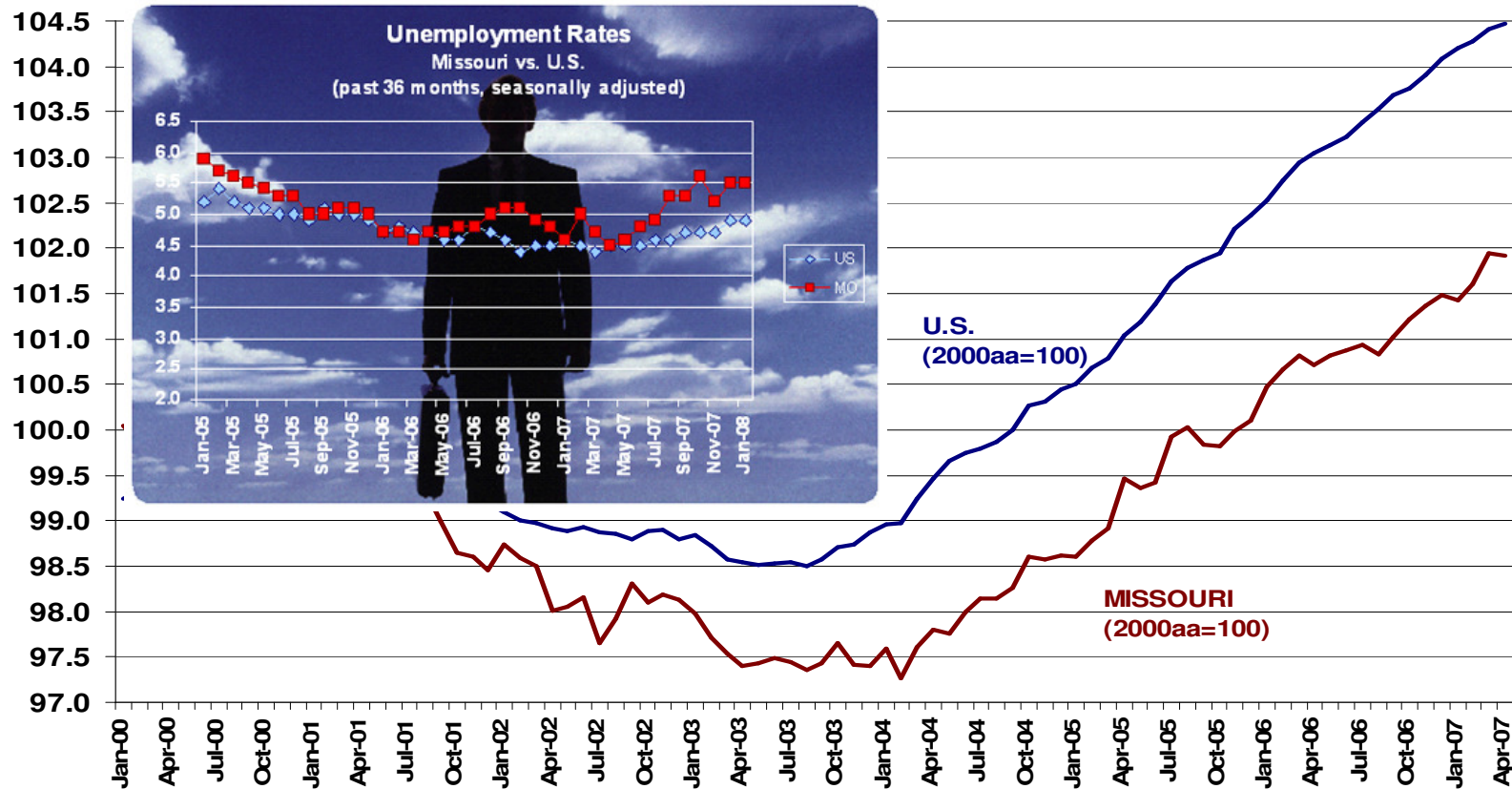
Net Migration in Missouri Population by County 2000-2007



Source: Population Division, U. S. Census Bureau, Annual Estimates, April 1, 2000 - July 1, 2007.
Prepared by: University of Missouri Extension, Office of Social and Economic Data Analysis (OSED A)
Map Generated on: 24 Mar 2008

Employment

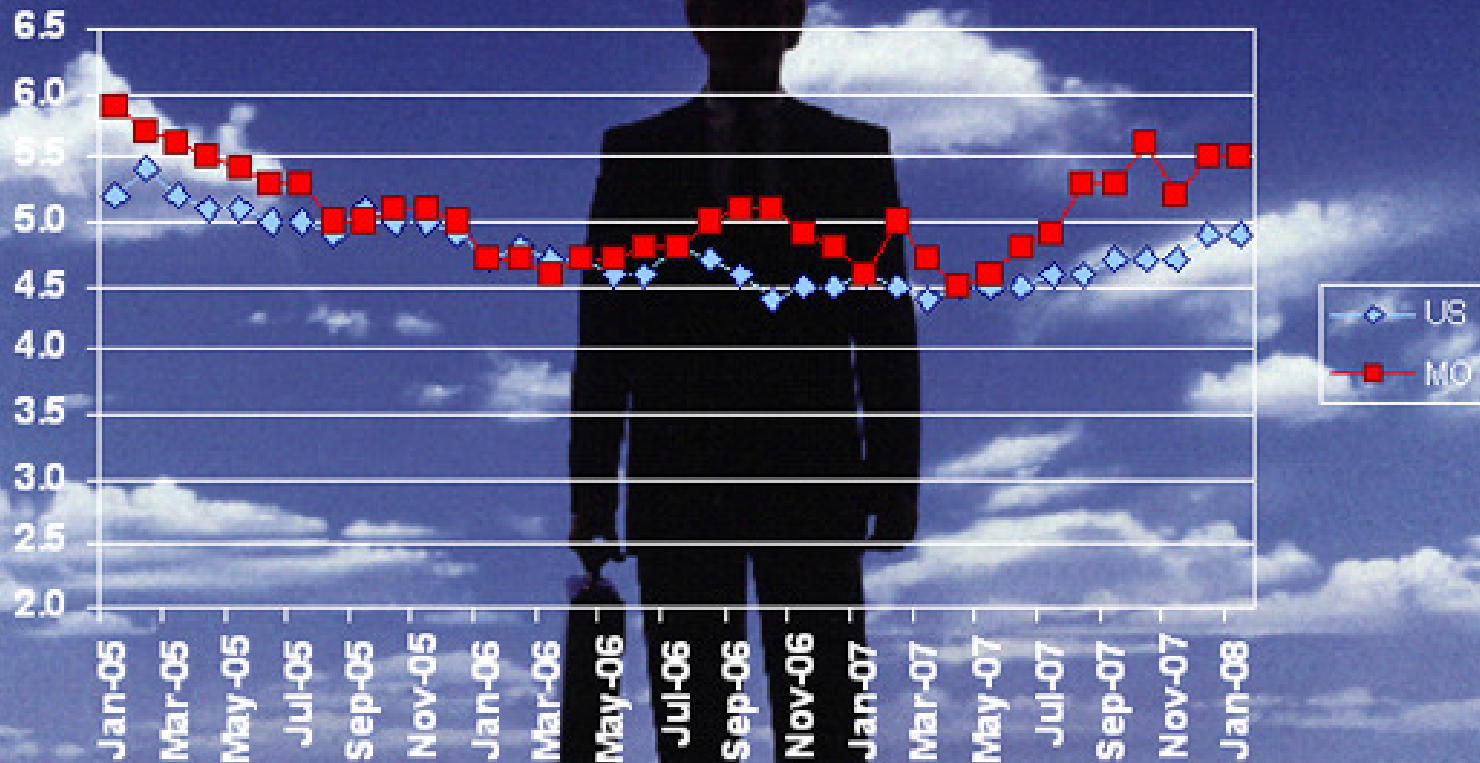
U.S. AND MISSOURI PAYROLL EMPLOYMENT
Index: 2000 annual average = 100



Employment in Missouri increased by 33,100 from April 2006 to April 2007, seasonally adjusted.

Source: MERIC and U.S. Bureau of Labor Statistics

Unemployment Rates Missouri vs. U.S. (past 36 months, seasonally adjusted)



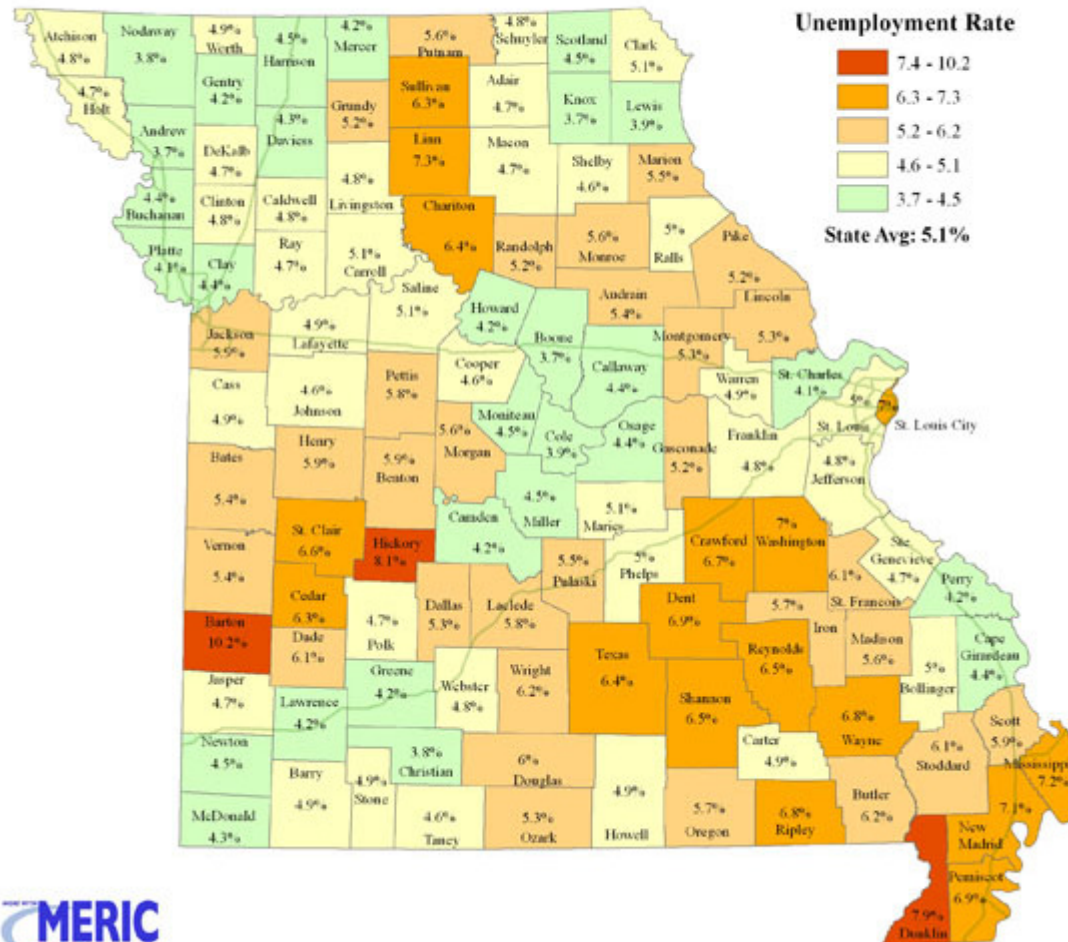
Self-Sufficiency Wage Standards (Two Adults)

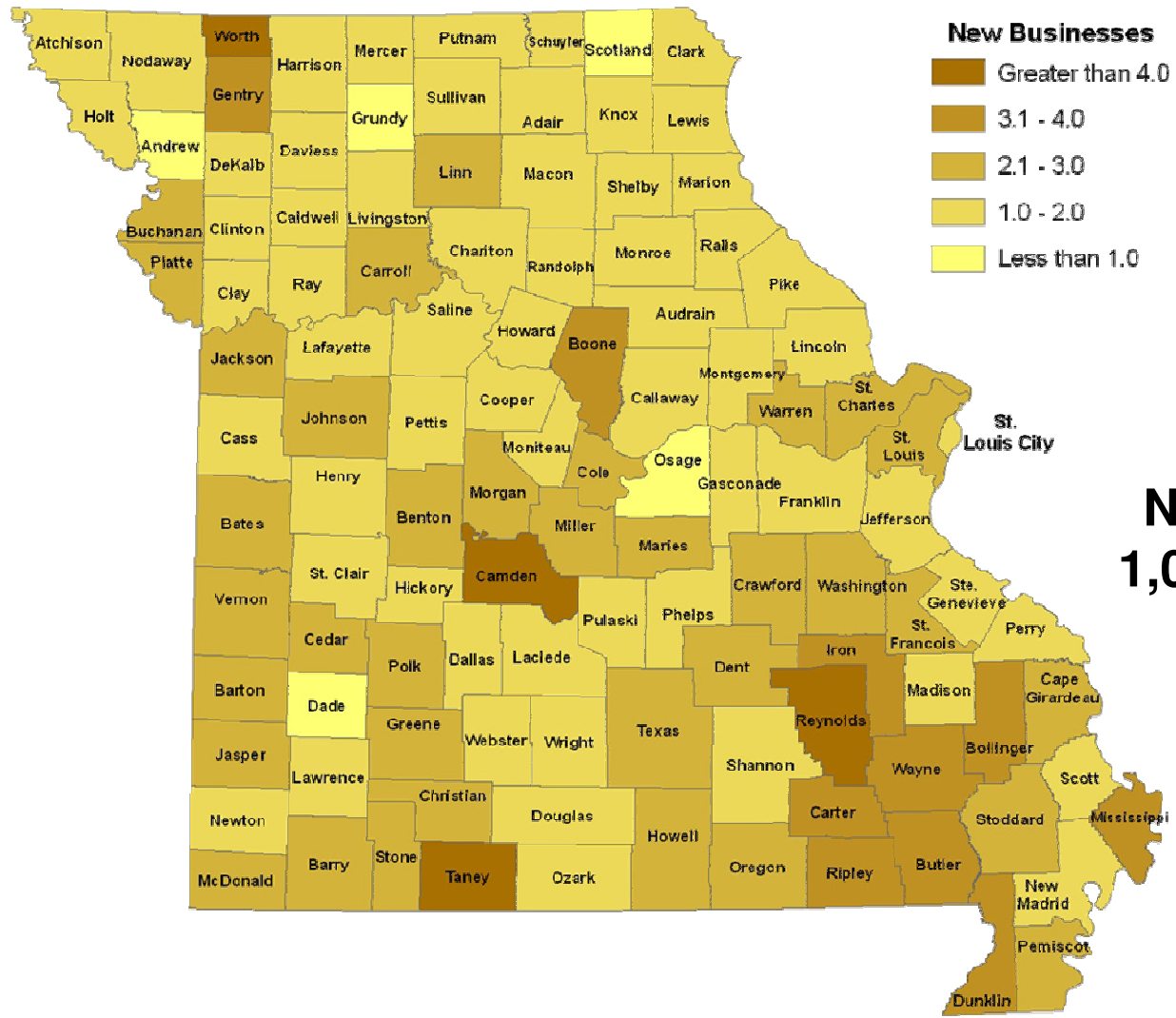
The self-sufficiency Standard for Missouri charts the actual cost of living and working. It measures how much income a family needs to pay for housing, food, childcare, healthcare, transportation and taxes--if they do not receive any help from relatives, friends or the government--based on the ages, as well as number of children in each household, and the family's geographic location

County	Two Adults**	Two Adults w/Two Infants	Two Adults with Infant, Preschooler and School-aged Child**
Camden	\$20,341.20	\$35,448.00	\$44,387.76
Laclede	\$19,547.64	\$31,553.16	\$38,711.52
Miller	\$20,277.60	\$29,493.36	\$36,319.32
Morgan	\$19,516.32	\$28,664.52	\$35,556.84
Pulaski	\$20,468.52	\$31,714.80	\$38,031.24
5-county Average	\$20,030.26	\$31,374.77	\$38,601.34

Note **: Original report (Missouri Workforce Gap Analysis: Needs Assessment) by Diana Pearce, PhD with Jennifer Brooks, Dec. 15, 2004
SOURCE: Missouri Department of Economic Development, MERIC

Unemployment Rates - September 2007 Not Seasonally Adjusted





New Businesses per 1,000 Population, 2006

Source: MERIC



How ***flat*** the world is depends on where you are standing...

- *The World is Flat* — “new oil wells”
— Thomas Friedman
- *Making Globalization Work*
— Joseph Stiglitz
- *Networking Diverse Assets, especially human capital... “collaboration” is hard*



America's Perfect Storm


Three Forces Changing Our Nation's Future

- Divergent skill distributions
- The changing economy
- Demographic shifts



Educational Testing Service

www.ets.org

A close-up portrait of an older man with thinning hair, wearing round-rimmed glasses, a dark suit jacket, a white shirt, and a red patterned tie. He is looking slightly to the right of the camera with a neutral expression. The background is a solid, warm-toned color.


Issues from the “Undertaker”

- Aging & Boomers
- Entitlements
- The “Conundrum”
- Globalization
- Energy
- Education



Change in the Hispanic Population 2000 - 2006

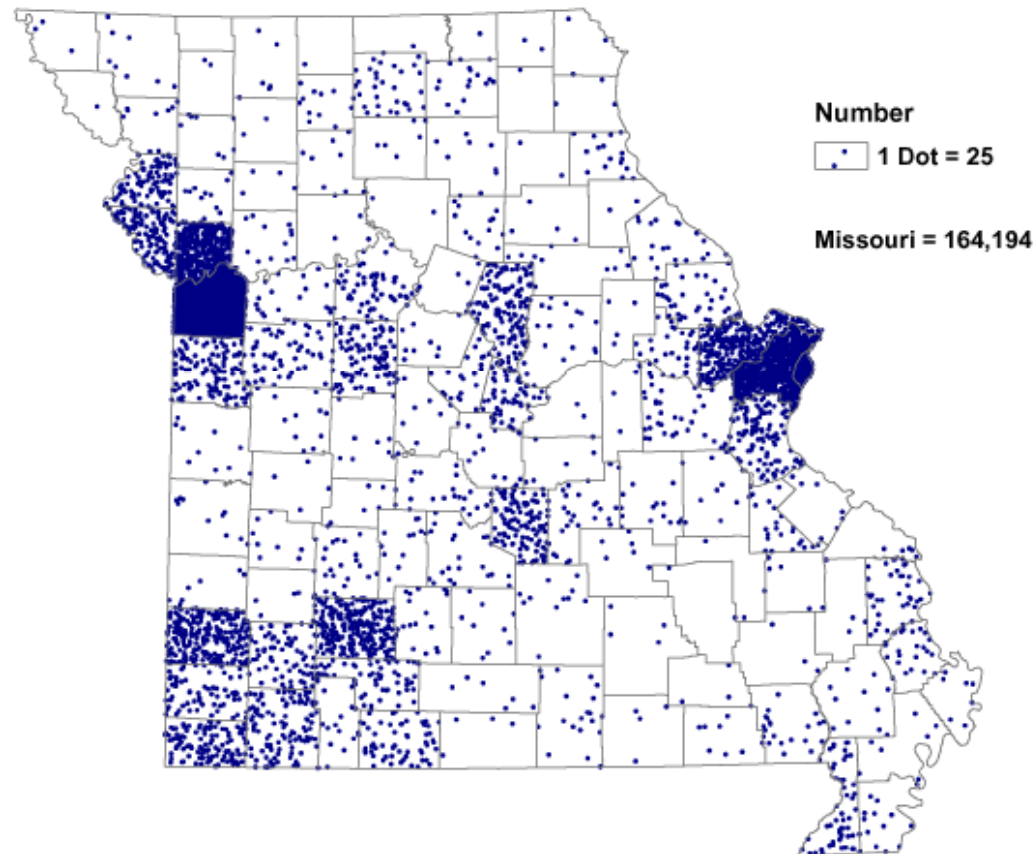
- Percent Change: U.S. 6.4% — Hispanic 25.5%.
- Hispanics (44.3 million)
- Blacks (38.3 million)
- Missouri Hispanic Population 2006
 - 164,194
 - 38.4% gain since 2000



Enrollment Change From 1.4% to 2.8% in 5 years

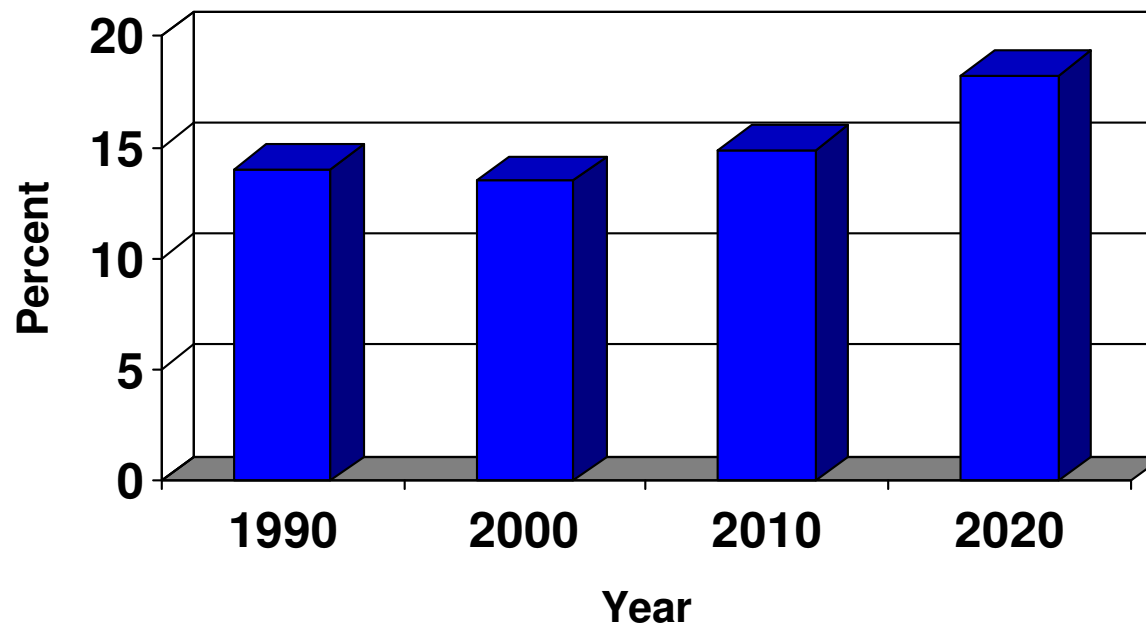
	1999	2005	Change	Pct Change
Total	896,910	894,855	-2,055	-0.2%
Hispanic	12,633	25,166	12,533	99.2%

Hispanic Population in Missouri, 2006



Source: USDC, Bureau of the Census, (2006 Estimates)
Prepared by: University of Missouri Extension, Office of Social and Economic Data Analysis (OSEDA)
Map Generated on 13 Nov 2007

Percent Missouri Population Age 65+: 1990-2020



SOURCE: Census Bureau/NCHS. Projection algorithm, programming by OSEDA
Chart Prepared by: University of Missouri Extension, Office of Social and Economic Data Analysis
24March2006



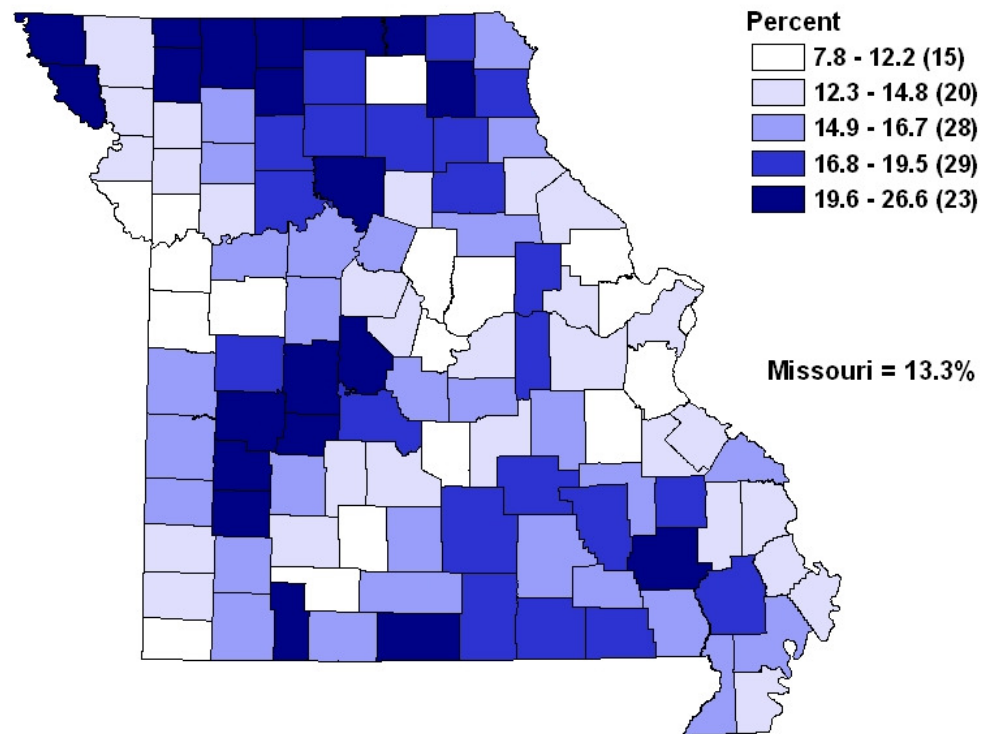
Remarks by Chairman Ben S. Bernanke

The Washington Economic Club, Washington, D.C.

October 4, 2006

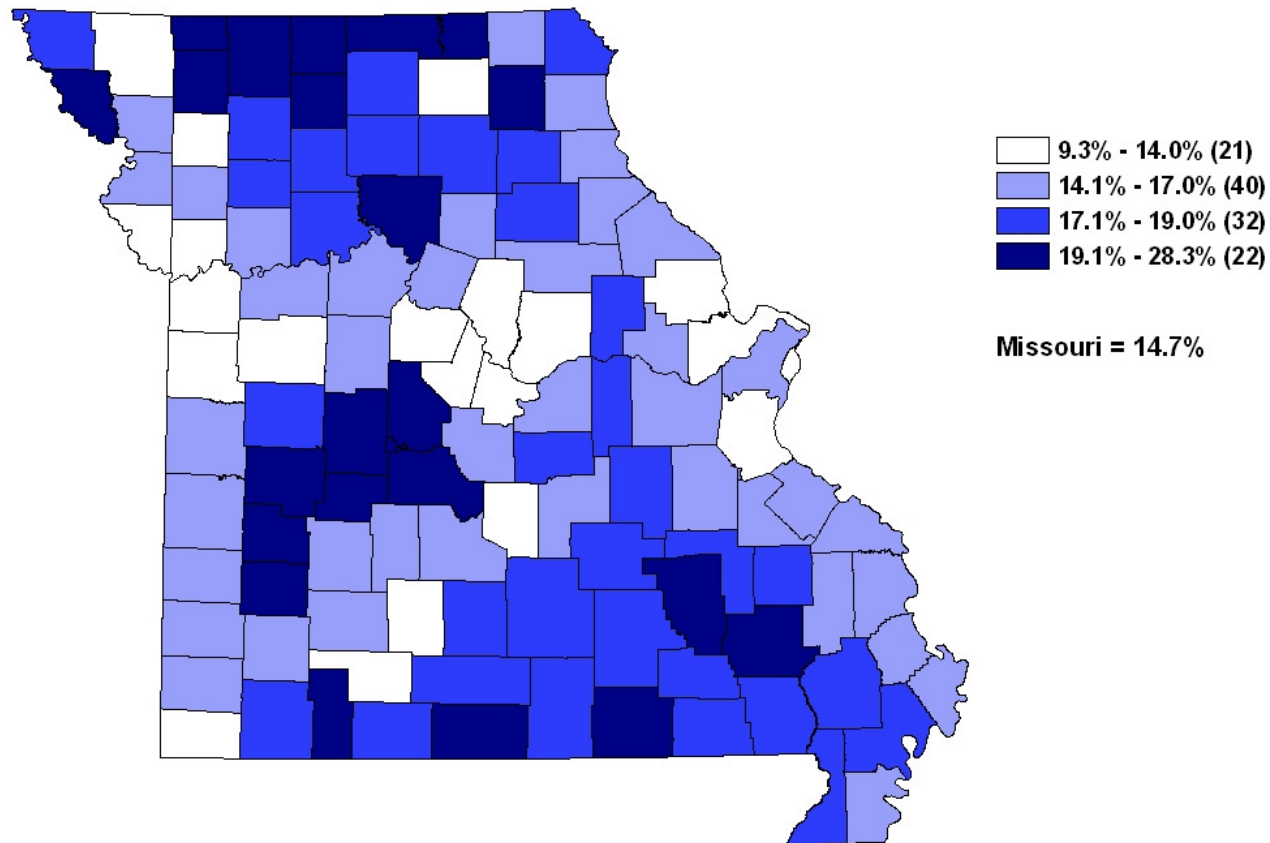
In coming decades, many forces will shape our economy and our society, but in all likelihood no single factor will have as pervasive an effect as the aging of our population.

Percent of Missouri's Population, 2005: Age 65 and Older



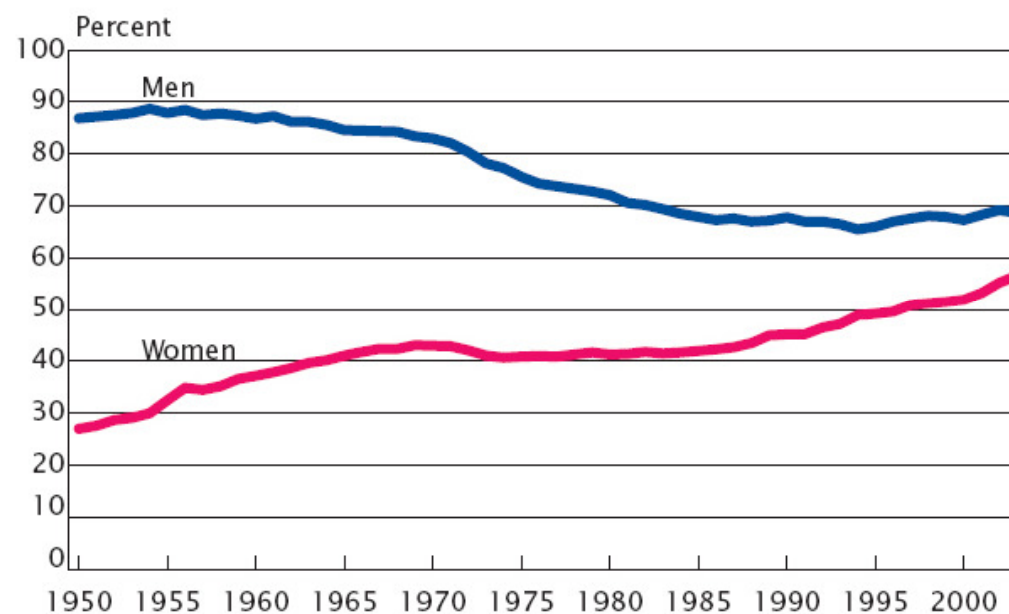
Source: USDC, Bureau of the Census, 2000 Decennial Census
Produced by: University of Missouri Extension, Office of Social and Economic Data Analysis
Map generated on 28June2007

Population Age 60 to 80 Years, 2005 As A Percent of Total



Source: National Center for Health Statistics and U.S. Bureau of the Census
Prepared by: University of Missouri Extension, Office of Social and Economic Data Analysis - (OSEDA)
Map Generated on 24April2007

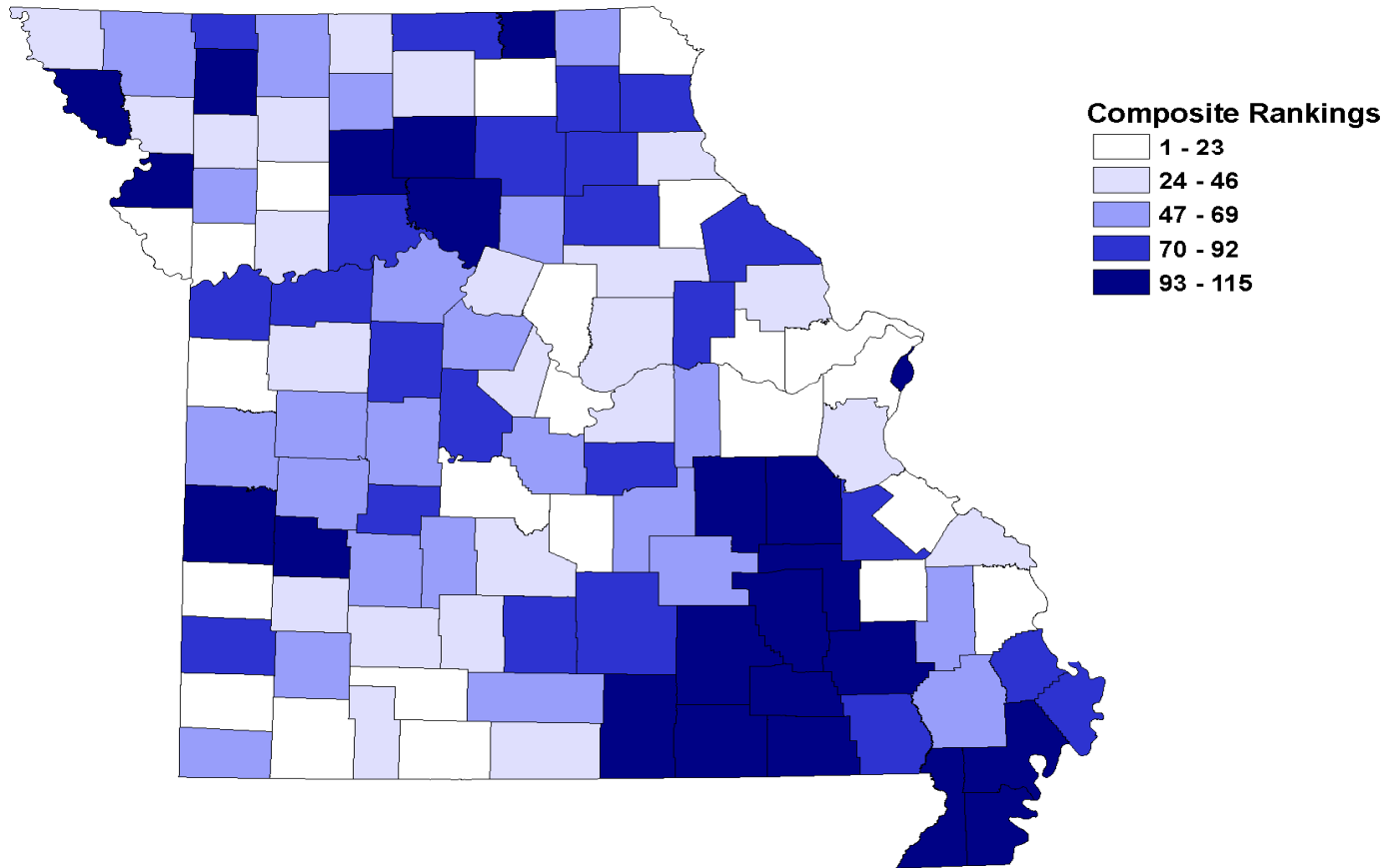
Figure 4-5.
**Labor Force Participation Rates for the Population
Aged 55 to 64 by Sex: 1950 to 2003**



Note: The reference population for these data is the civilian noninstitutionalized population.

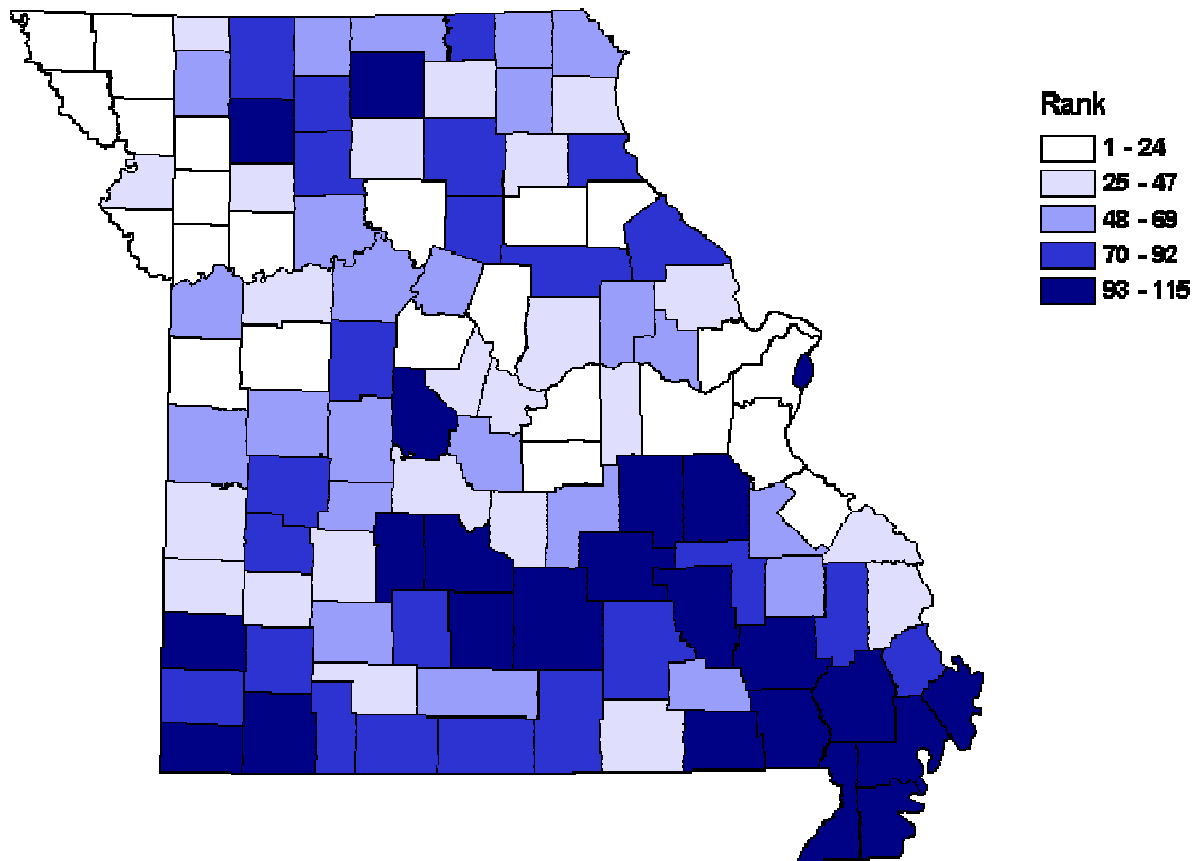
Source: Bureau of Labor Statistics, 2004c. For full citation, see references at end of chapter.

Missouri Senior Report, 2007 Composite County Rankings



Prepared by: Office of Social and Economic Data Analysis (OSEDA)
Map Created On: 12.14.2007

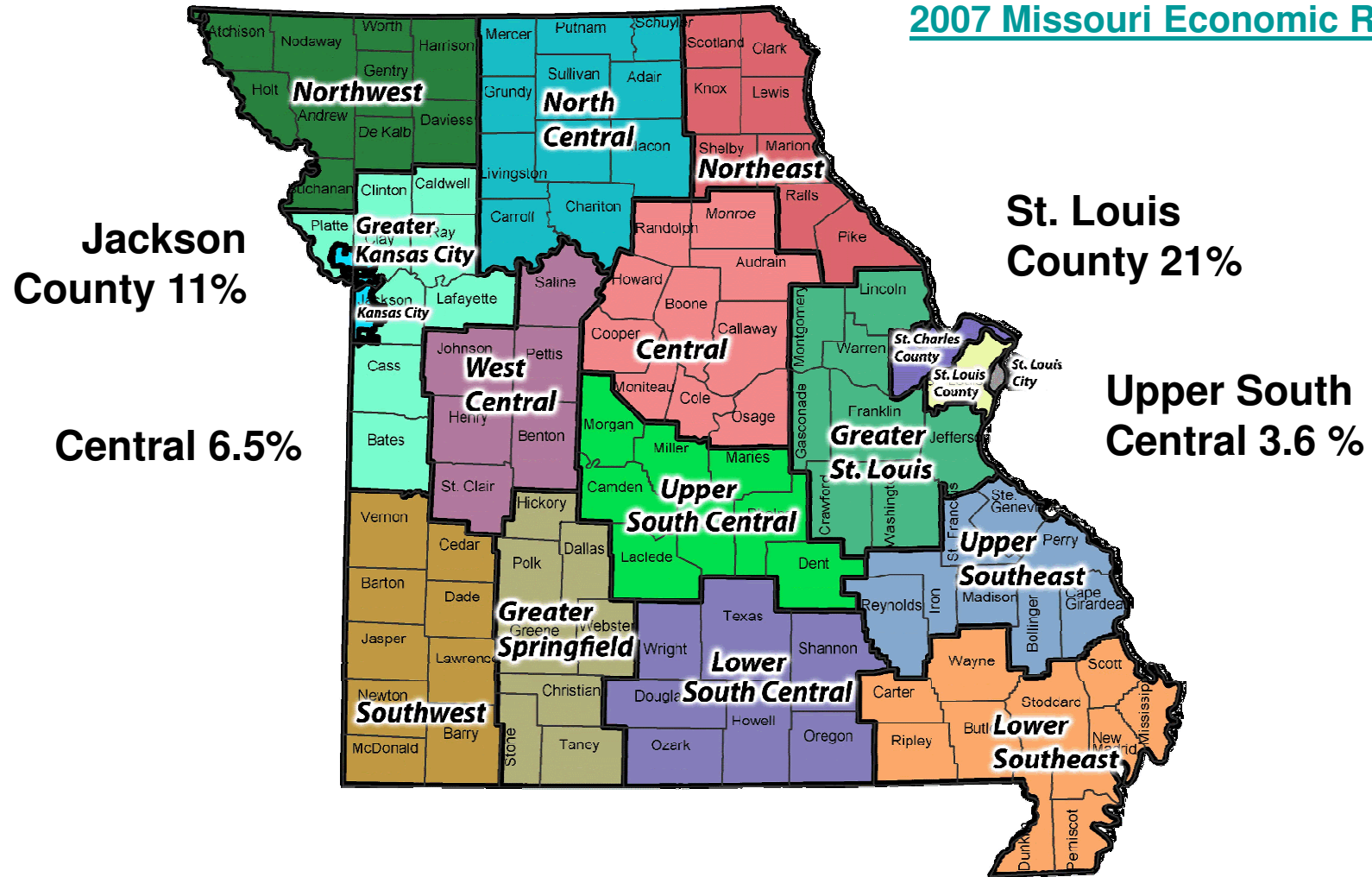
Composite County Kids Count Rank, 2006



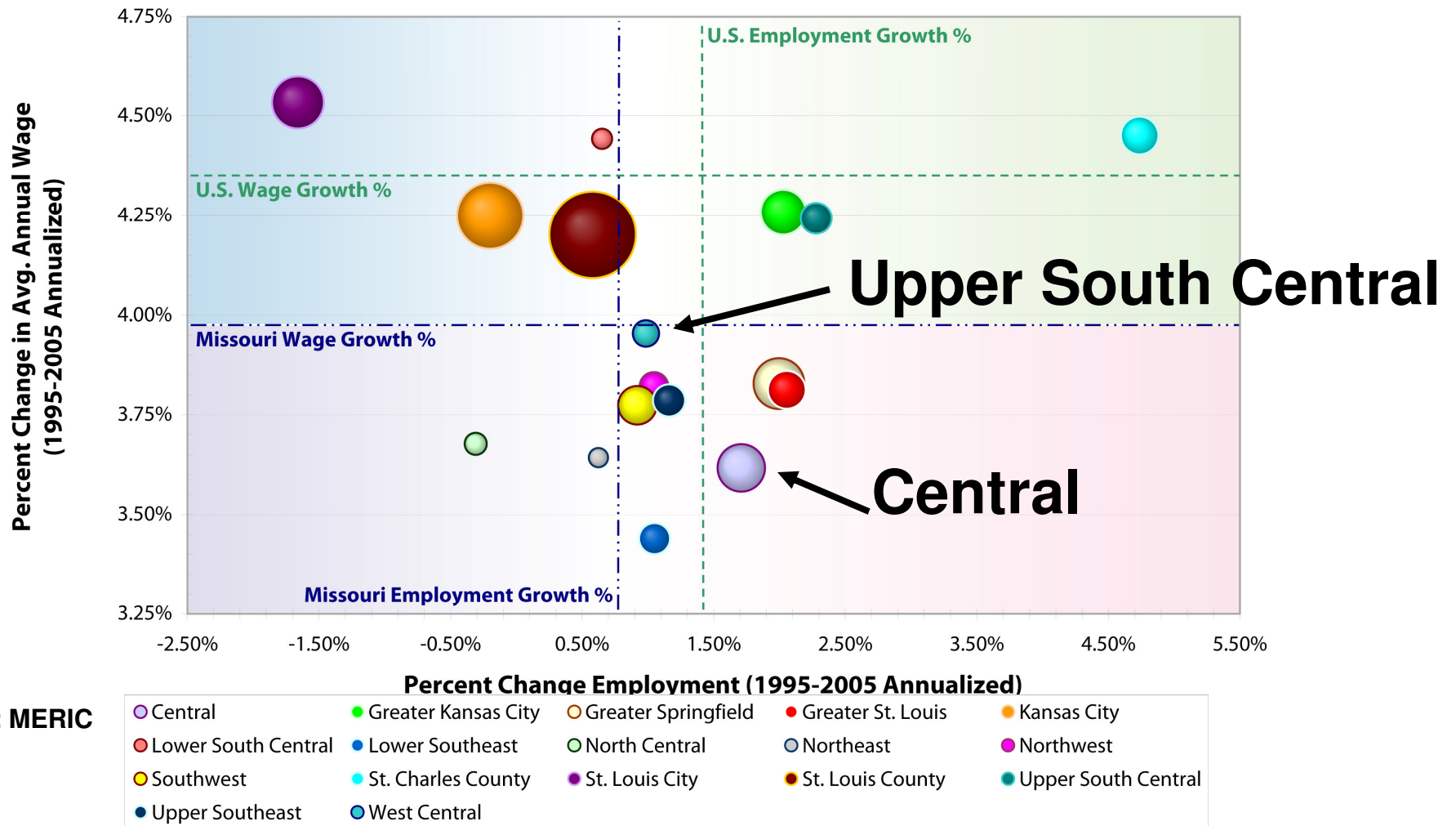
Source: University of Missouri, Office of Social and Economic Data Analysis
Prepared by: University of Missouri Extension, Office of Social and Economic Data Analysis (OSED)
Map Generated on: 11.8.2006

Regional Economic Share

2007 Missouri Economic Report

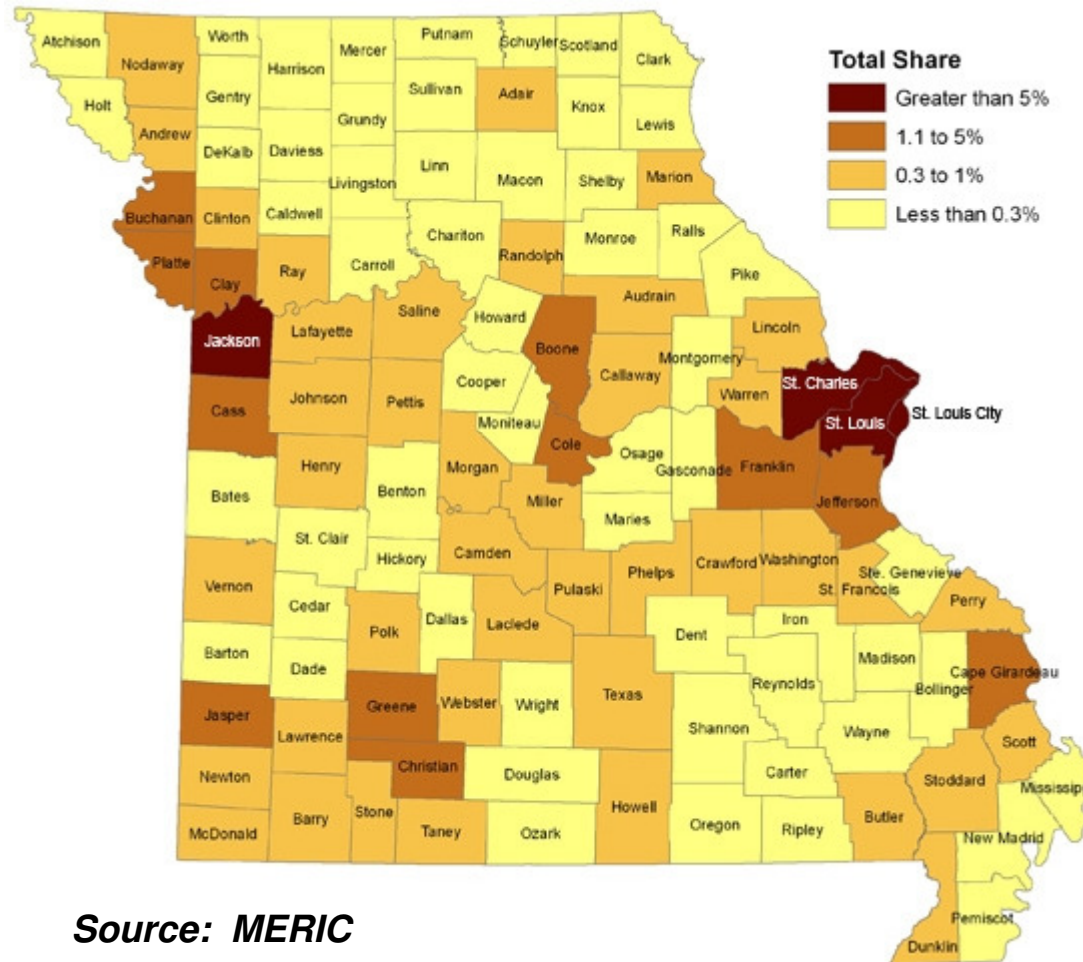


Comparative Performance of Economic Areas in Missouri

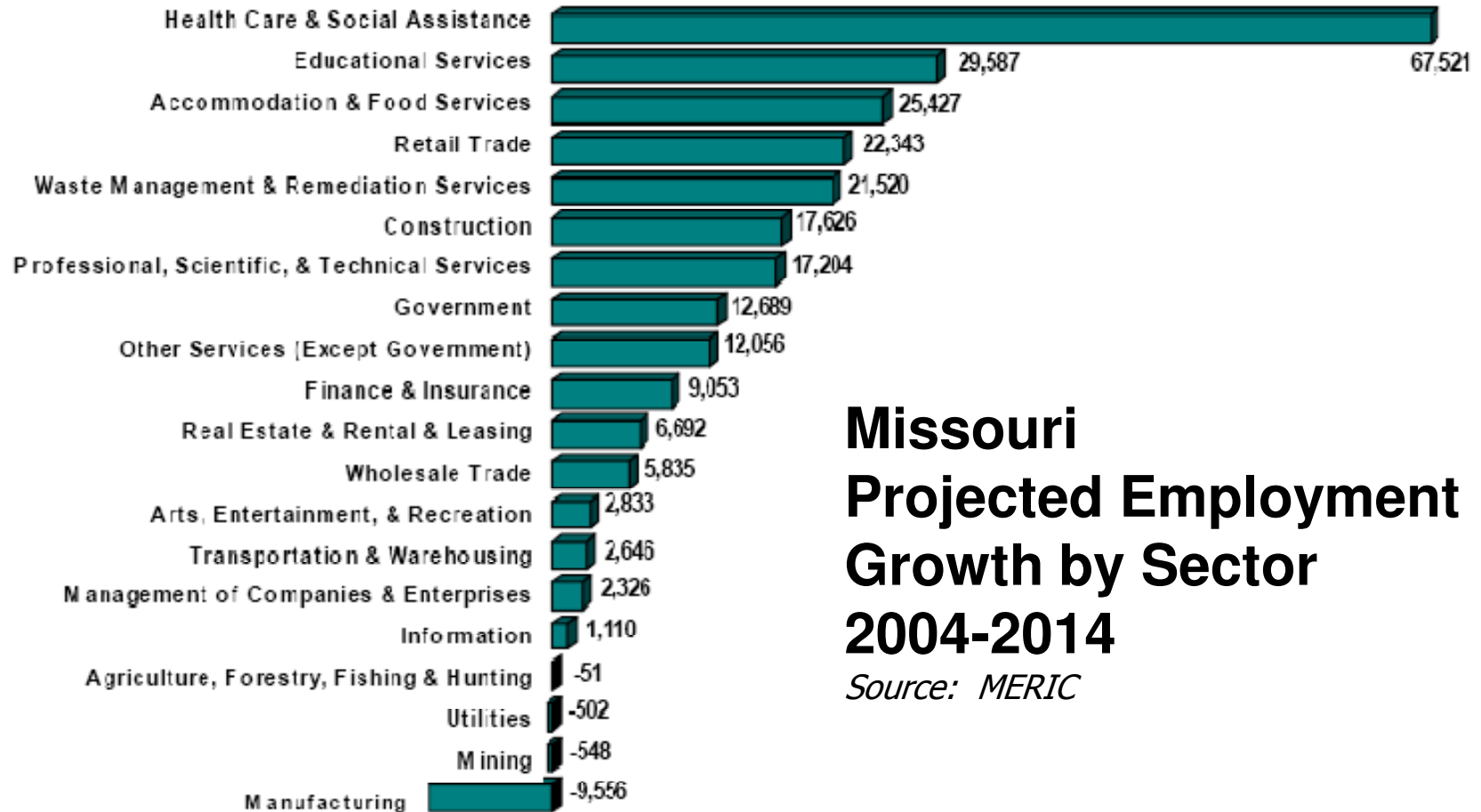


Source: MERIC

Economic Share in Missouri by County, 2006



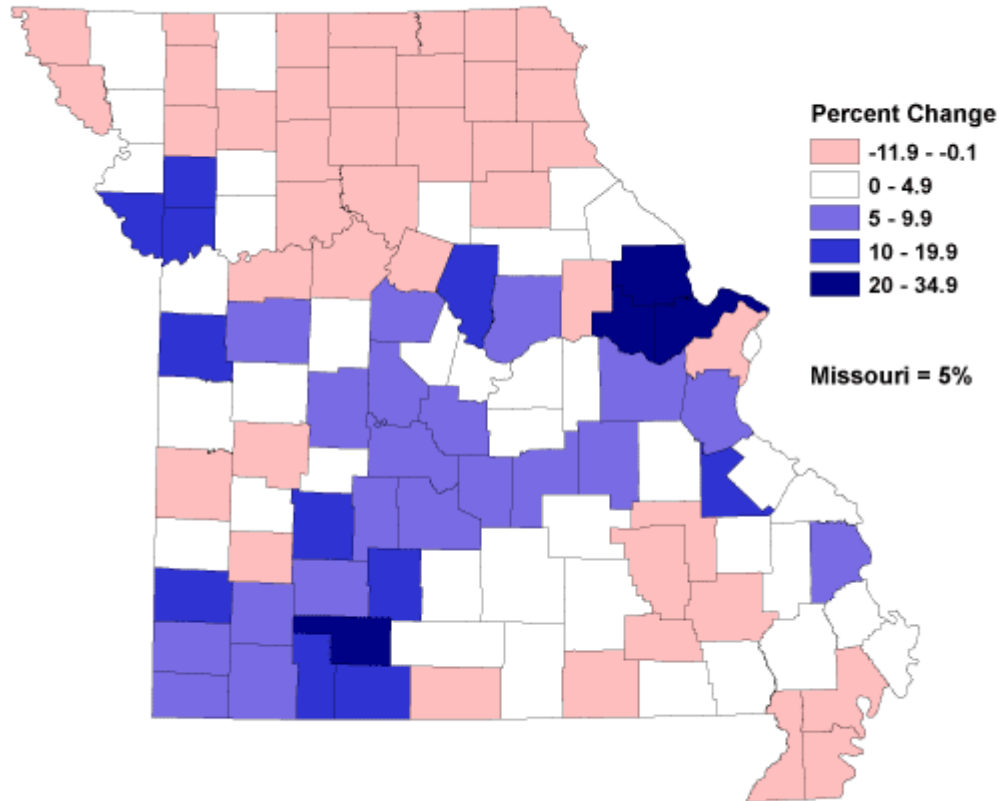
Wage and salary employment growth by industry sector, projected 2004-2014



Missouri Projected Employment Growth by Sector 2004-2014

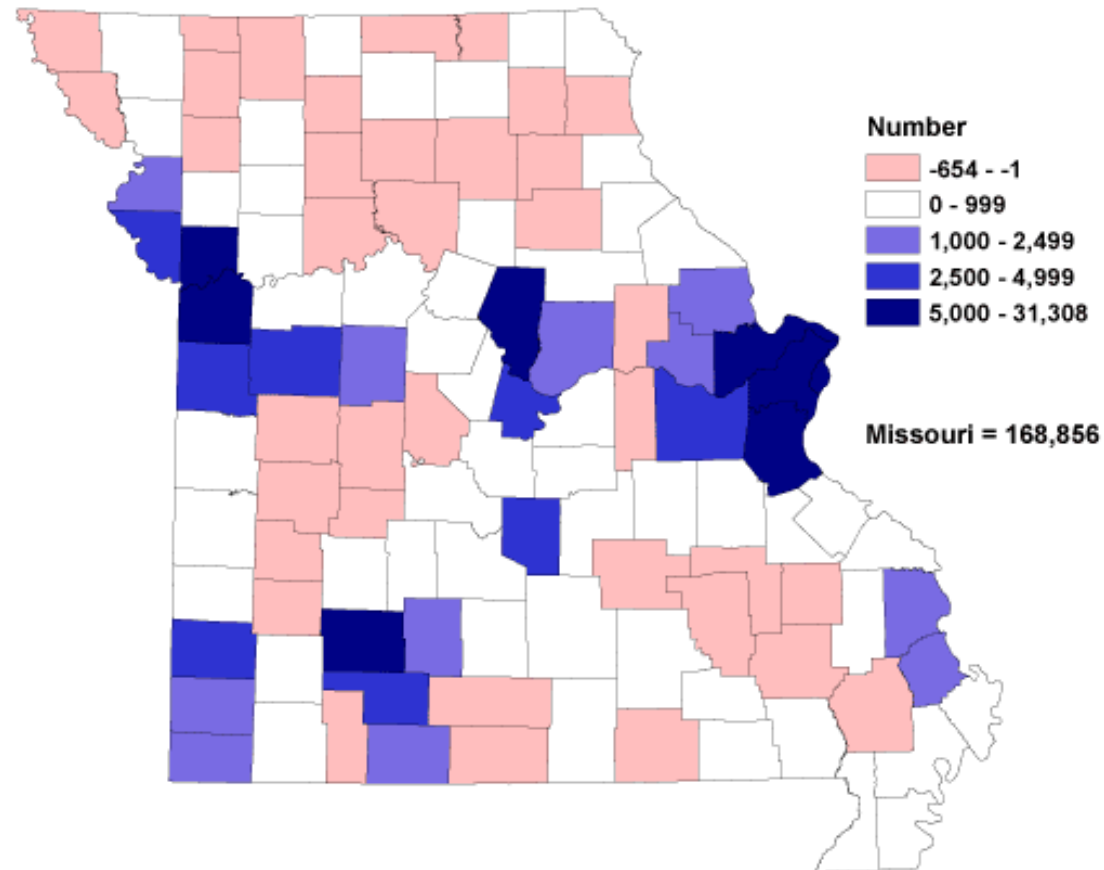
Source: MERIC

Percent Population Change in Missouri, by County 2000-2007



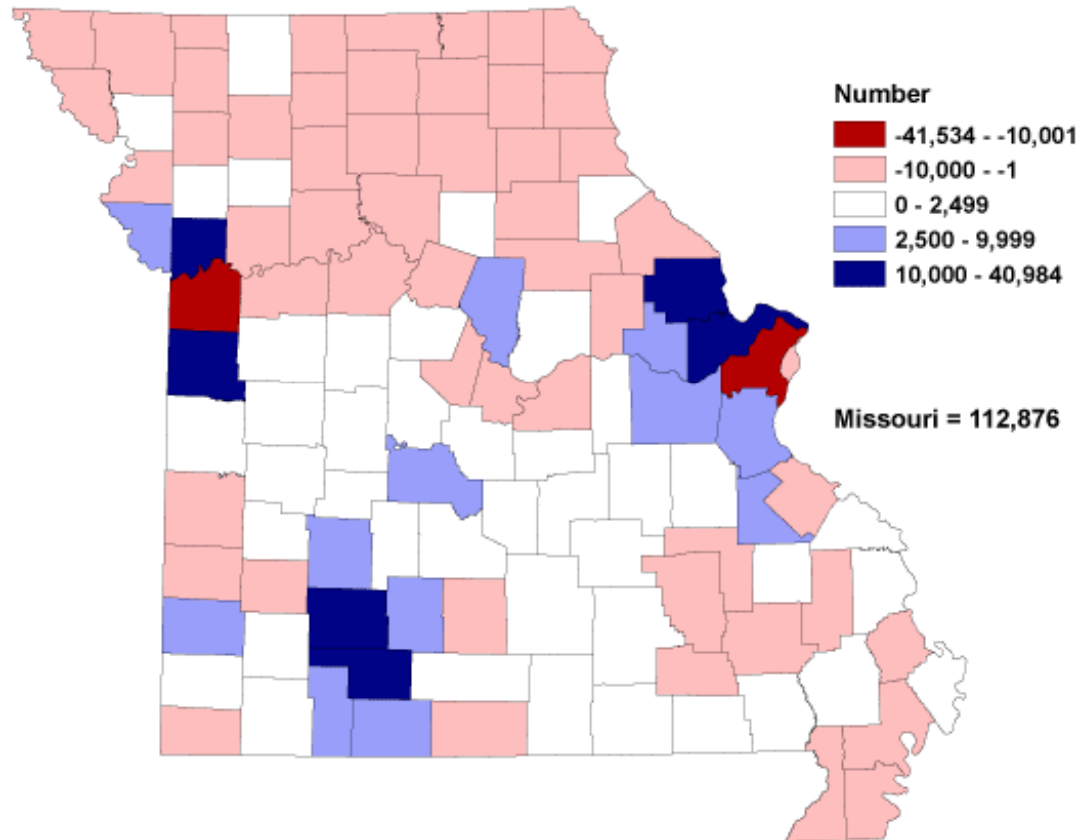
Source: Population Division, U. S. Census Bureau, Annual Estimates, April 1, 2000 - July 1, 2007.
Prepared by: University of Missouri Extension, Office of Social and Economic Data Analysis (OSEDA)
Map Generated on: 20 Mar 2008

Natural Increase in Missouri Population by County 2000-2007



Source: Population Division, U. S. Census Bureau, Annual Estimates, April 1, 2000 - July 1, 2007.
Prepared by: University of Missouri Extension, Office of Social and Economic Data Analysis (OSEDA)
Map Generated on: 24 Mar 2008

Net Migration in Missouri Population by County 2000-2007



Source: Population Division, U. S. Census Bureau, Annual Estimates, April 1, 2000 - July 1, 2007.
Prepared by: University of Missouri Extension, Office of Social and Economic Data Analysis (OSED A)
Map Generated on: 24 Mar 2008

Area	Population 2000	Population 2007	Population Change 2000-2007	Percent Population Change 2000-2007
<i>Missouri</i>	5,595,211	5,878,415	281,732	5.0%
<i>5 County Area</i>	153,602	165,922	12,322	8.0%
<i>Camden</i>	37,051	40,487	3,436	9.3%
<i>Laclede</i>	32,513	35,391	2,878	8.9%
<i>Miller</i>	23,564	24,898	1,336	5.7%
<i>Morgan</i>	19,309	20,820	1,511	7.8%
<i>Pulaski (FLW)</i>	41,165	44,326	3,161	7.7%

Area	Population Change 2000-2007	Natural Increase 2000-2007	Net Migration 2000-2007
<i>Missouri</i>	281,732	168,856	112,876
<i>5 County Area</i>	12,322	4,110	8,212
<i>Camden</i>	3,436	54	3,382
<i>Laclede</i>	2,878	959	1,919
<i>Miller</i>	1,336	391	945
<i>Morgan</i>	1,511	-56	1,567
<i>Pulaski (FLW)</i>	3,161	2,762	399



Residence One Year Ago

- Same House
 - 82.2% Missouri
 - 76.4% Five “Lake” Counties (PUMA 1300)
- Moved from different state
 - 2.8% Missouri
 - 8.1% PUMA 1300

Mobility of the Lake, but also relatively large segment of Military Personnel and families:

Missouri	16,695
Lake PUMA	8,803

American Community Survey, 2006



Housing Units in Area

- Total Housing Units 94,763
- Owner Occupied 45,038
- Renter Occupied 16,919
- “Seasonal” 25,786

American Community Survey, 2006



Median Household Income

- Missouri \$42,841
- Lake PUMA \$36,059

Poverty Rate

<i>Missouri</i>	13.6%
<i>Lake PUMA</i>	12.9%

American Community Survey, 2006



Family Households

- Percent of Households that are families
 - Missouri 65.9%
 - Lake PUMA 69.5%
- Percent Married
 - Missouri 51.8%
 - Lake PUMA 56.3%

American Community Survey, 2006



2006 Glimpse of the Older Population Percent of the Population 65+

- United States 12.4%
- Missouri 13.3%
- Lake PUMA 14.7% (24,713)

American Community Survey, 2006



Occupation & Industry Employment

- Retail Trade Industry
 - Missouri 12.2%
 - Lake PUMA 14.9%
- Service Occupations
 - Missouri 16.5%
 - Lake PUMA 17.9%

<i>Working at Home</i>	
<i>Missouri</i>	<i>4.1%</i>
<i>Lake PUMA</i>	<i>13.4%</i>

American Community Survey, 2006

Residence One-Year Ago

- Same House
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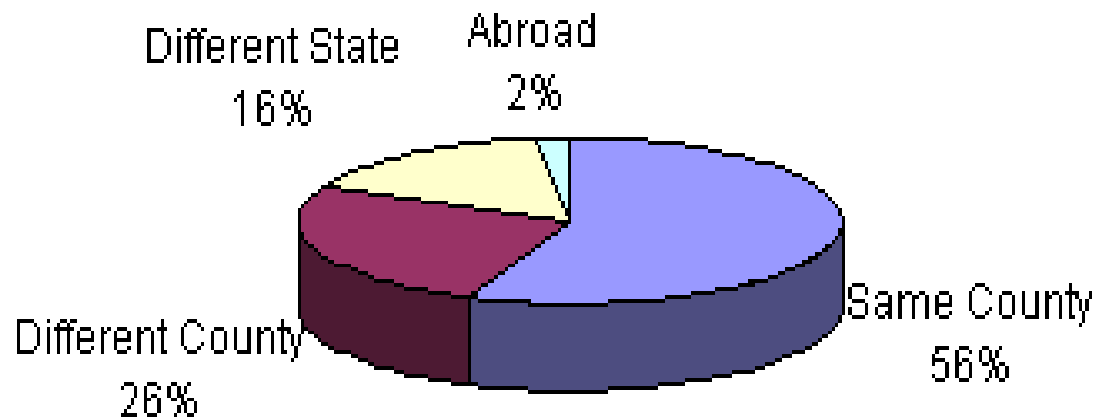


American Community Survey

- In Autumn, 2008 it will be available for areas of 20,000 population or more
- Hence, county level information about the lake

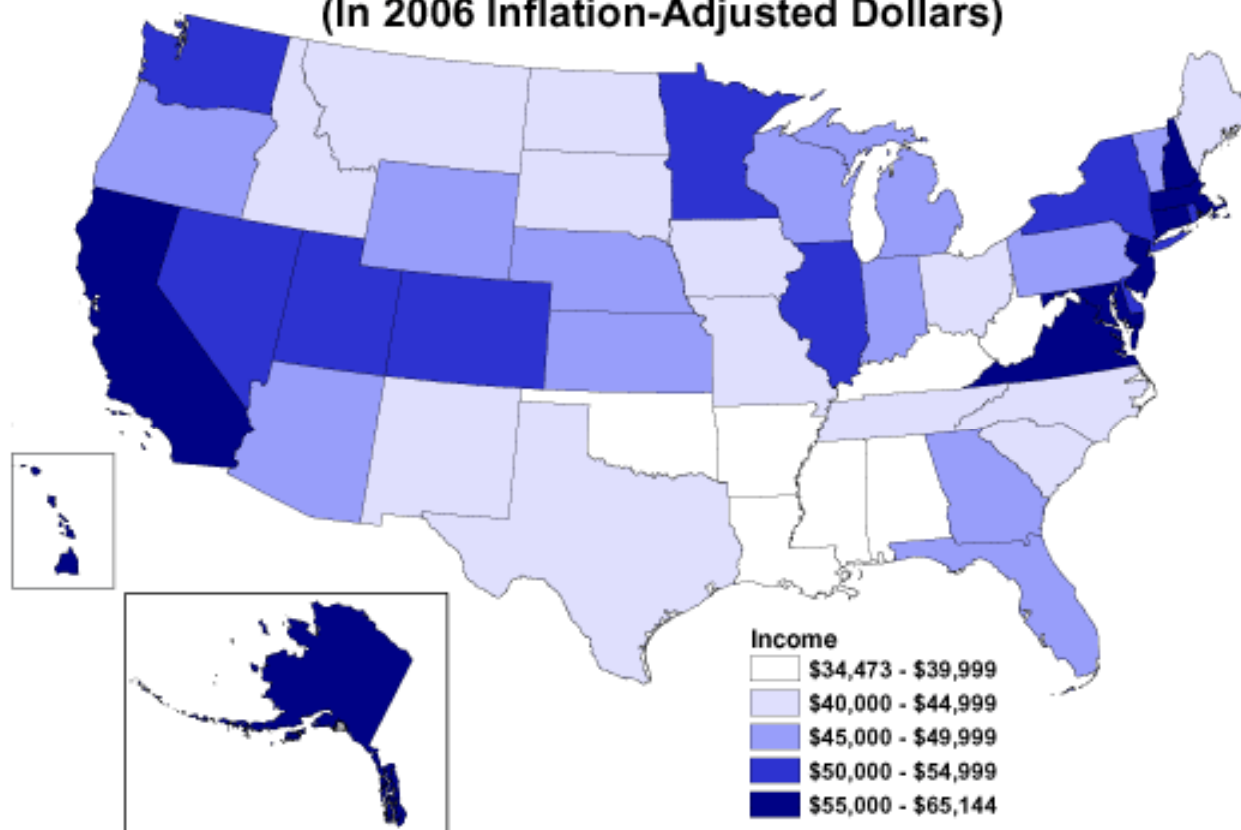
More than a million Missourians moved

Where Missourians Living in a Different House a
Year Ago Moved From
U.S. Census: American Community Survey, 2006



The Missouri percent of movers (17.8%) is slightly higher than U.S. level (16.8%)

Median Household Income by State, 2006 (In 2006 Inflation-Adjusted Dollars)

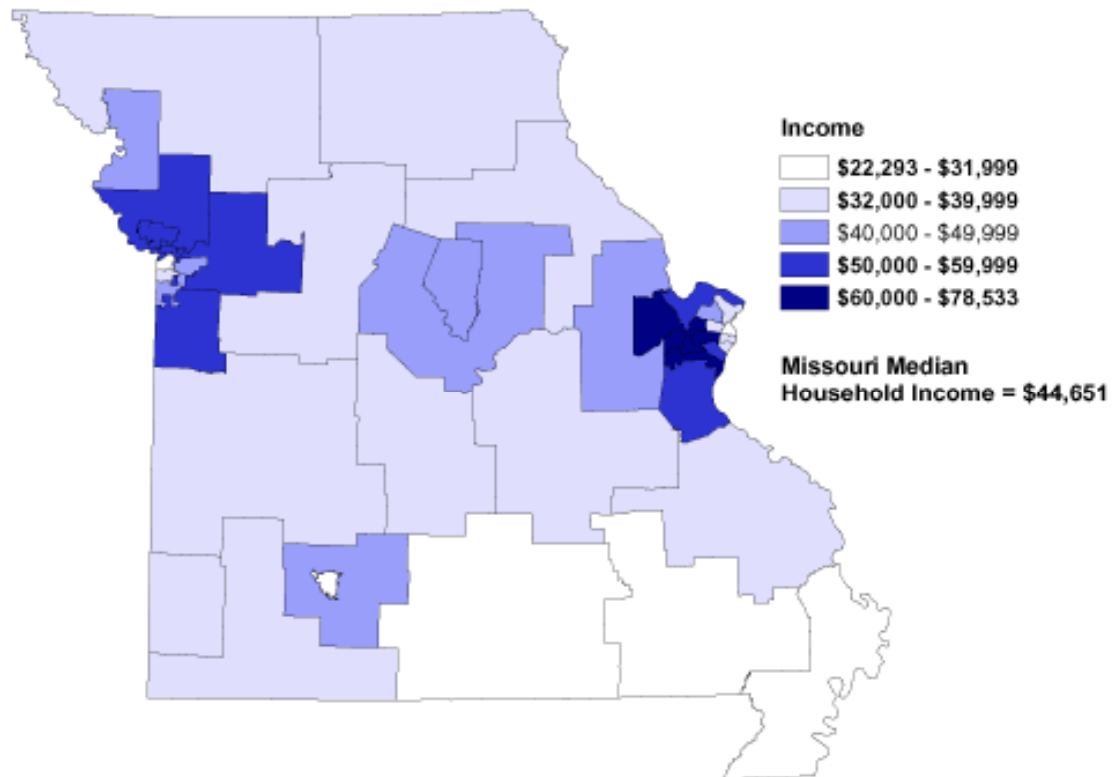


Income
\$34,473 - \$39,999
\$40,000 - \$44,999
\$45,000 - \$49,999
\$50,000 - \$54,999
\$55,000 - \$65,144

U.S. Median Household Income = \$48,451

Source: U.S. Census Bureau, 2006 American Community Survey
Prepared by: University of Missouri Extension, Office of Social and Economic Data Analysis - (OSEDA)
Map Generated 3 Sep 2007

Median Household Income by PUMA, 2006 (In 2006 Inflation-Adjusted Dollars)



Source: U.S. Census Bureau, 2006 American Community Survey
Prepared by: University of Missouri Extension, Office of Social and Economic Data Analysis (OSED)A
Map Generated: 5 Sep 2007



Missouri Median Household Income

American Community Survey (Adjusted to 2006)

• 2005	\$43,310	+/- \$456
• 2006	\$42,841	+/- \$449
Change	- \$469	+/- \$640



Missouri Median Household Income

American Community Survey (Adjusted to 2006)

- 2005 \$43,310 +/- \$456
- 2006 \$42,841 +/- \$449
- **Change** - \$469 +/- \$640

Note the differences in the 90 percent margins of error between the ACS and CPS

Current Population Survey (not adj.)

- 2005 \$44,686 +/- \$1,465
- 2006 \$44,487 +/- \$1,647

(None of the differences are statistically significant.)

ACS

CPS

Geography	Nation, states, and cities and counties of 65,000 or more. Eventually, areas as small as <i>census tracts</i> using multi-year averages.	Nation, regions, and states for selected characteristics.
Sample Size	About 3 million addresses per year. Data are collected from about one-twelfth of the sample each month.	Annual sample size is about 100,000 addresses.



ACS Plans

- ACS data are available now for areas with populations of 65,000 or more.
- In 2008, the Census Bureau will release the three-year estimates for areas with populations of ***20,000 or more***.
- In 2010, 5-year estimates will be released including the smallest of geographic areas—down to the tract and block group levels.



ACS Implications

- Annual small area estimates & indicators
- Methods may better reflect seasonal areas
- Change more *apparent* in larger areas
- Estimates and projections reworked...
- Demand for integration and meaning
...**Google Earth** on data steroids...

Google OSEDA for More

OSEDA Office of Social and Economic Data Analysis
Transforming Data into Information

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Events
National Association of Counties 2007 Annual Conference
 July 13-17, 2007
 Richmond, Va.
Missouri Governor's Conference on Economic Development
 August 27-30, 2007
 Springfield, Mo.

USDA, Economic Research Service Releases State Fact Sheets
 The Economic Research Service recently released state fact sheets on various indicators. The data show that while Missouri has grown in population from 2000 to 2006 by 4.4 percent, rural areas did not share fully in this growth. While urban areas of the state grew by 5 percent, the rural population grew by almost half that with a 2.8 percent increase. This varied by geographic region of the state. [\(more...\)](#)

Missouri's Migrant Students: The Invisible Population
 Between one and three million year-round and seasonal farmworkers dispersed throughout the United States are employed in the U.S. food production industry. The migrant population data indicate that most agricultural workers, between 66% and 81%, are immigrants. According to Cornell University's "Facts on farmworkers in the United States" (2001), five out of six farmworkers speak Spanish with a majority originating from Mexico. [\(more...\)](#)

Missouri continues overall slow population growth between 2000 and 2006
 Recently released population estimates for 2006 from the U.S. Census Bureau show that Missouri's population is continuing a slow rate of growth—up 4.4 percent since 2000. The U.S. grew by 6.4 percent.

Percent Change in Missouri Population by County, 2000 - 2006

Percent Change	Count
-0.2% - 0.0%	(5)
0.1% - 4.9%	(46)
5.0% - 9.9%	(24)
10.0% - 29.9%	(10)
Missouri = 4.4%	
U.S. = 6.4%	

OSEDA Features
 MoDOT SEIR
 DESE SEIR
 MCDC
 Community Connection
 KidsCount
 Regional Profiles
 - 2000 Census
 - Beyond 2000
 Project Success
 Close the Gap
 Step by Step
 County Facts
 Missouri Family Wage Calculator
 County Social and Economic Indicators
 Business Indicators
 Entrepreneurship in Missouri
 Missouri Senior Report

Collaborations
 OSEDA projects are always collaborations. In this section we highlight a project each month that is in early stages of development in order to help connect and create.



2008 Lake Business Conference

March 25, 2008

Tan-Tar-A Resort in Osage Beach, MO

**Bill Elder, Director
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