



Social and Economic Trends in Missouri

Advanced Leadership Seminar

March 31, 2010

Lake of the Ozarks, Missouri

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

OSEDA...

[Http://WWW.OSEDA.MISSOURI.EDU](http://www.osedata.missouri.edu)

- Data
- Information
- Knowledge
- Wisdom

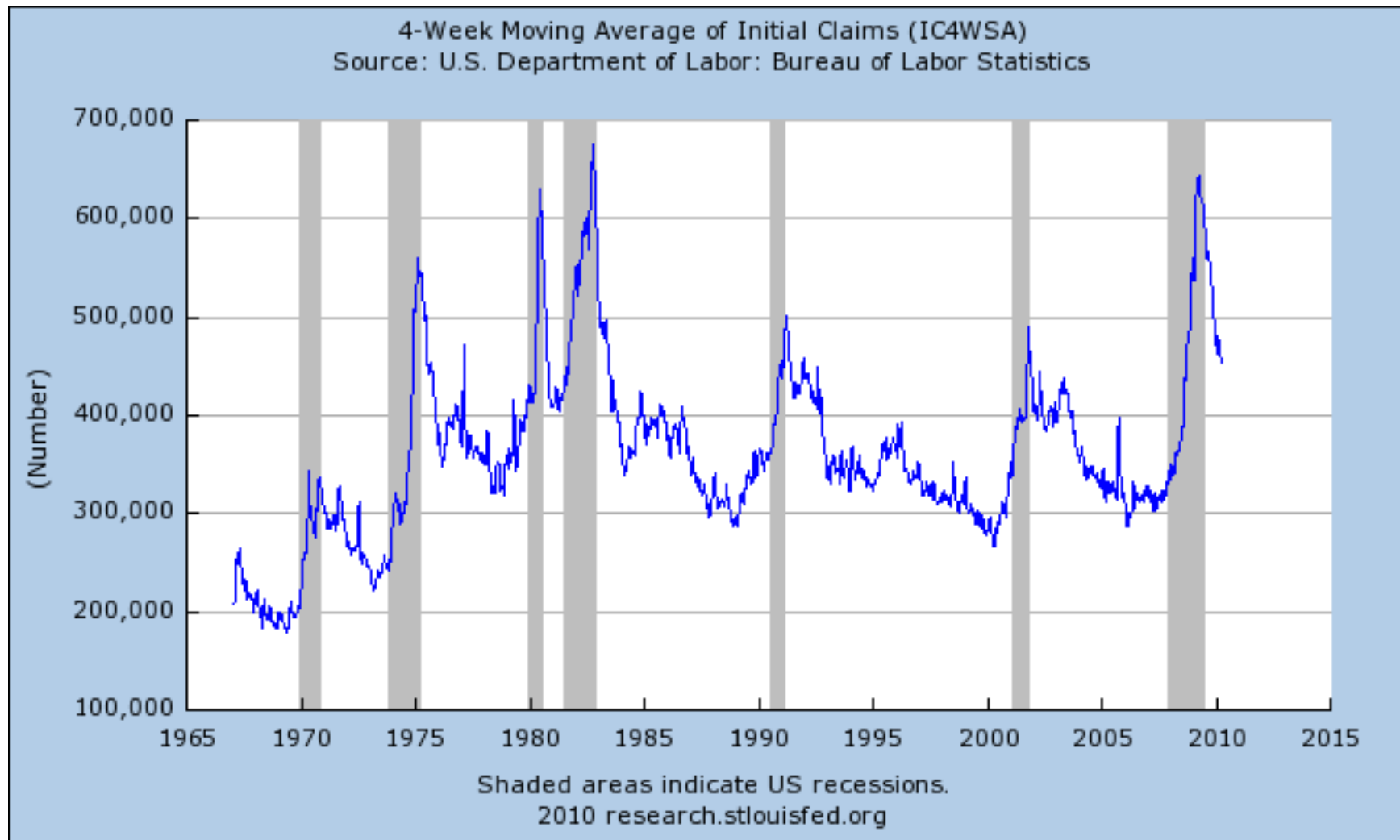
“The construction of knowledge involves the orderly loss of information, not it’s mindless accumulation.”

-- Kenneth Boulding




OSEDA collaborates with partners in the analysis of social and economic data in ways that contribute to improvements in the well-being of people, enterprises and communities.

Challenging Times....



Challenging Times.... In Missouri





March 5, 2010

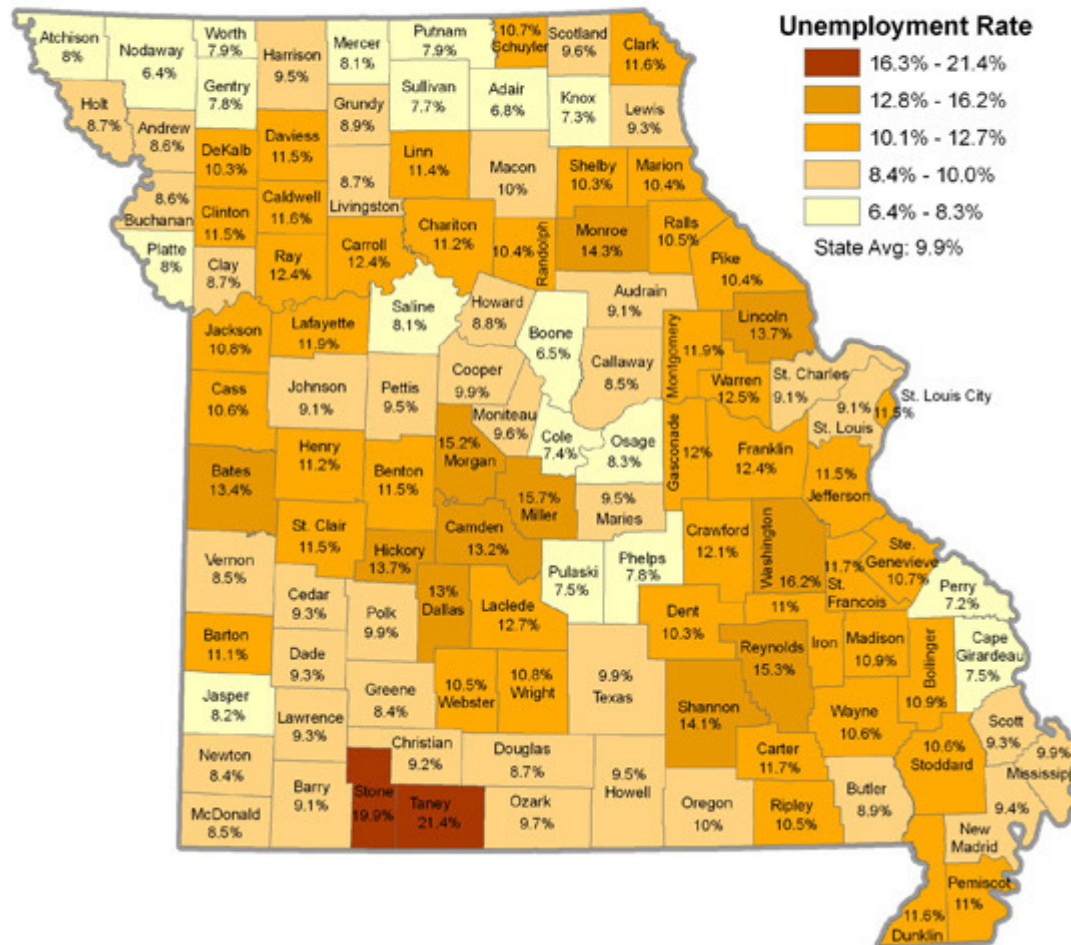
State Releases February 2010 General Revenue Report

State Budget Director Linda Luebbering announced today that 2010 fiscal year-to-date net general revenue collections declined 12.7 percent compared to fiscal year 2009, from \$4.83 billion last year to \$4.22 billion this year.

Net general revenue collections for February 2010 decreased by 14.6 percent compared to those for February 2009, from \$393.1 million to \$335.6 million.

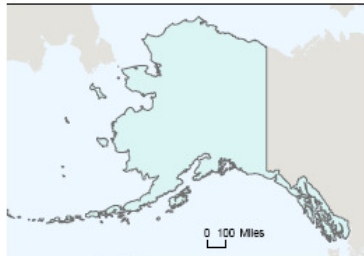
Challenging Times.... In Missouri Communities

Unemployment Rates - January 2010
Not Seasonally Adjusted



**Greene 7
Missouri**

Longer term *TRENDS*...



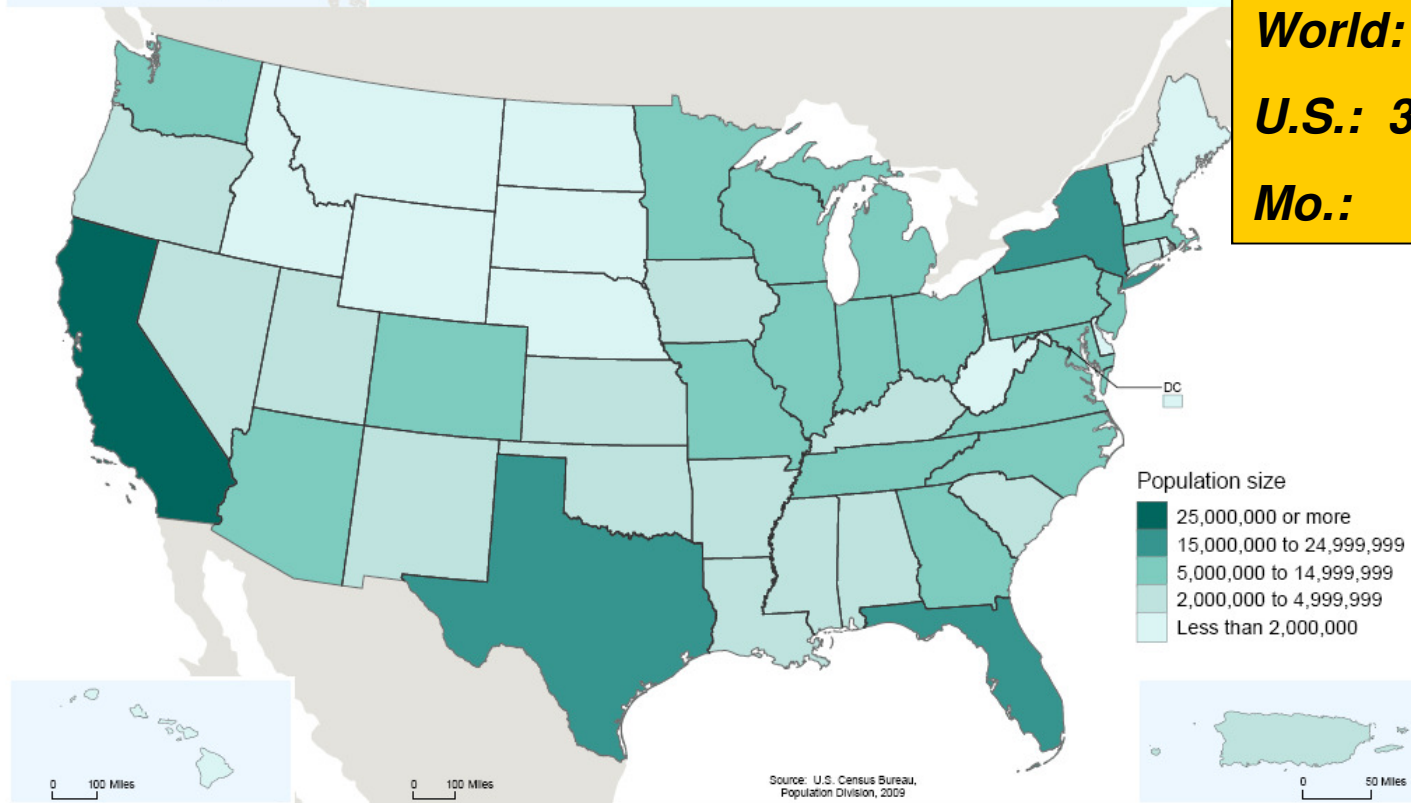
Population for States and Puerto Rico: July 1, 2009

Total Population 2009

World: 6.8 Billion

U.S.: 307 Million

Mo.: 5,987,580



Population size

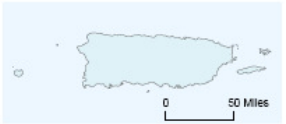
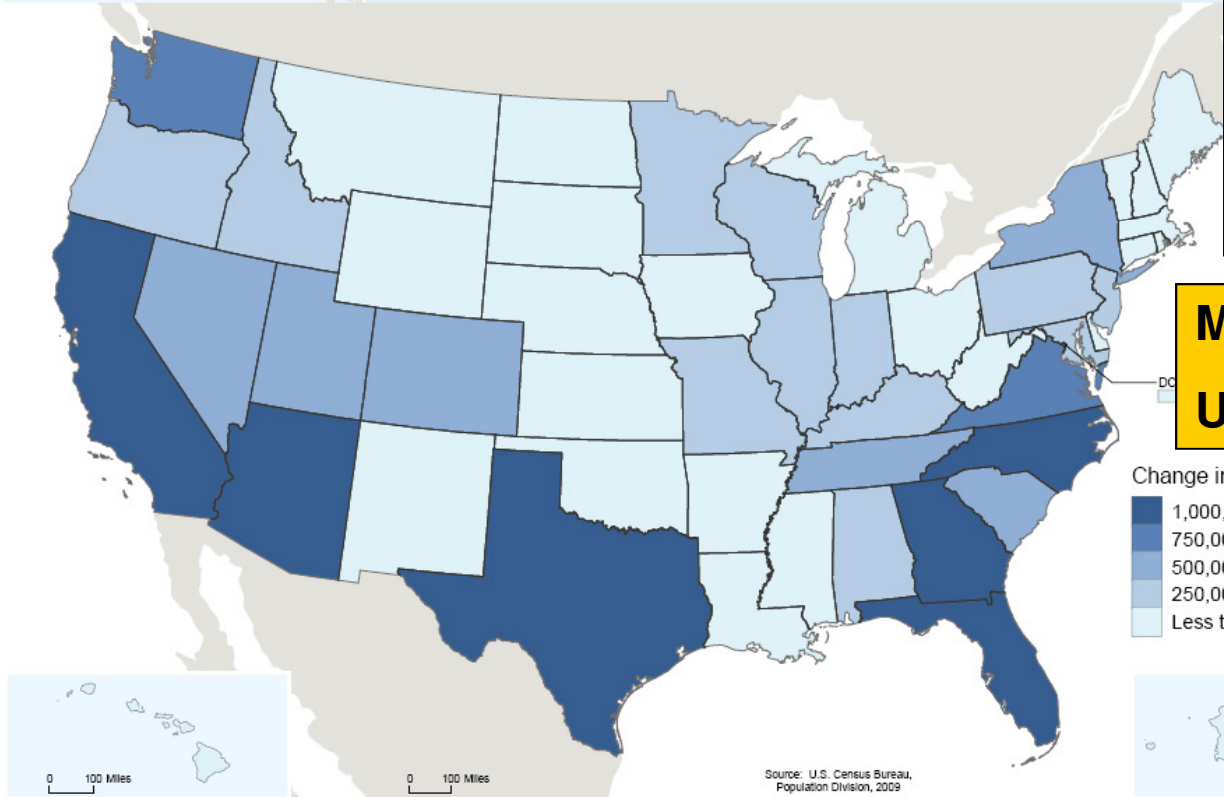
- 25,000,000 or more
- 15,000,000 to 24,999,999
- 5,000,000 to 14,999,999
- 2,000,000 to 4,999,999
- Less than 2,000,000



Numeric Change in Population for States and Puerto Rico: April 1, 2000 to July 1, 2009

Total Population 2009
World: 6.8 Billion
U.S.: 307 Million
Mo.: 5,987,580

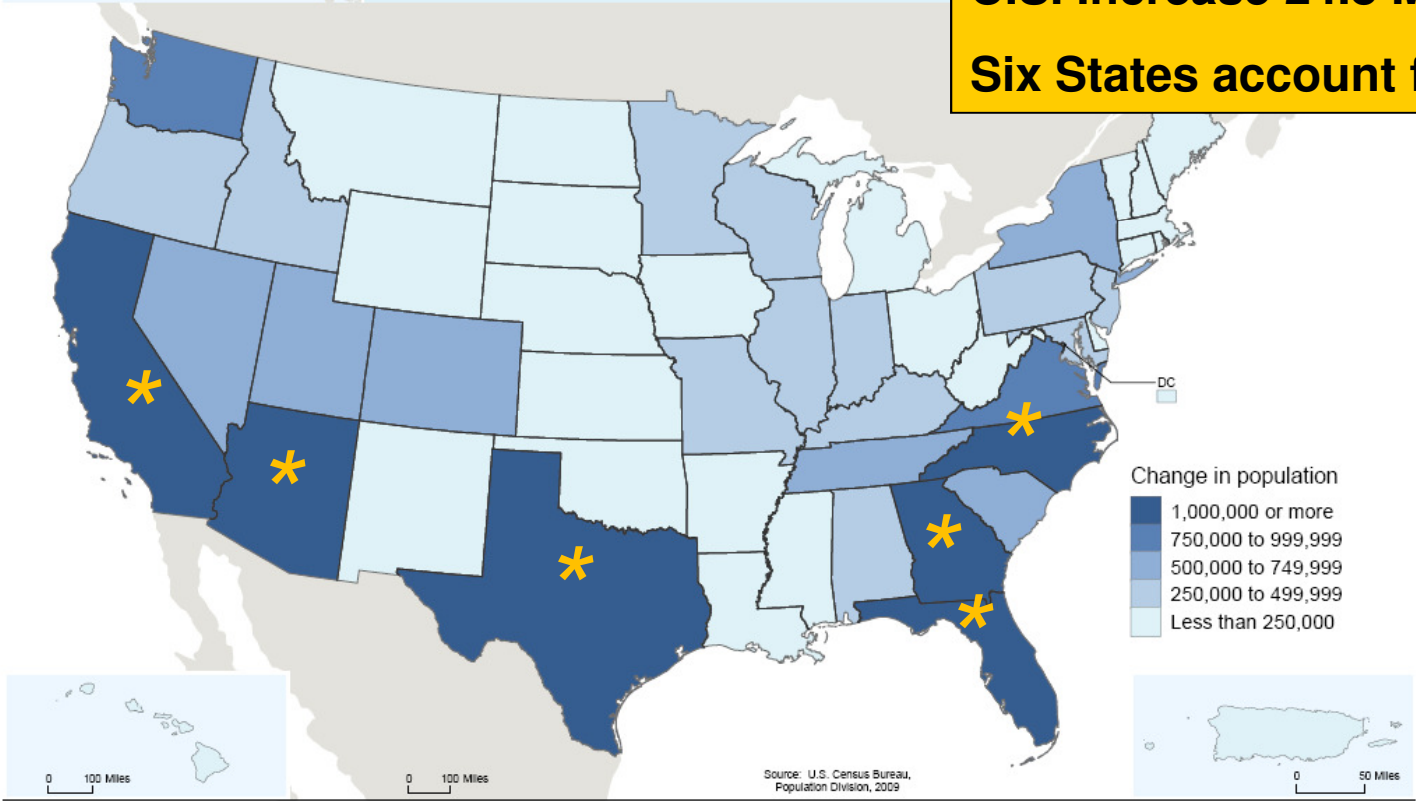
Missouri 381,515 6.8%
US 24,834,593 8.8%





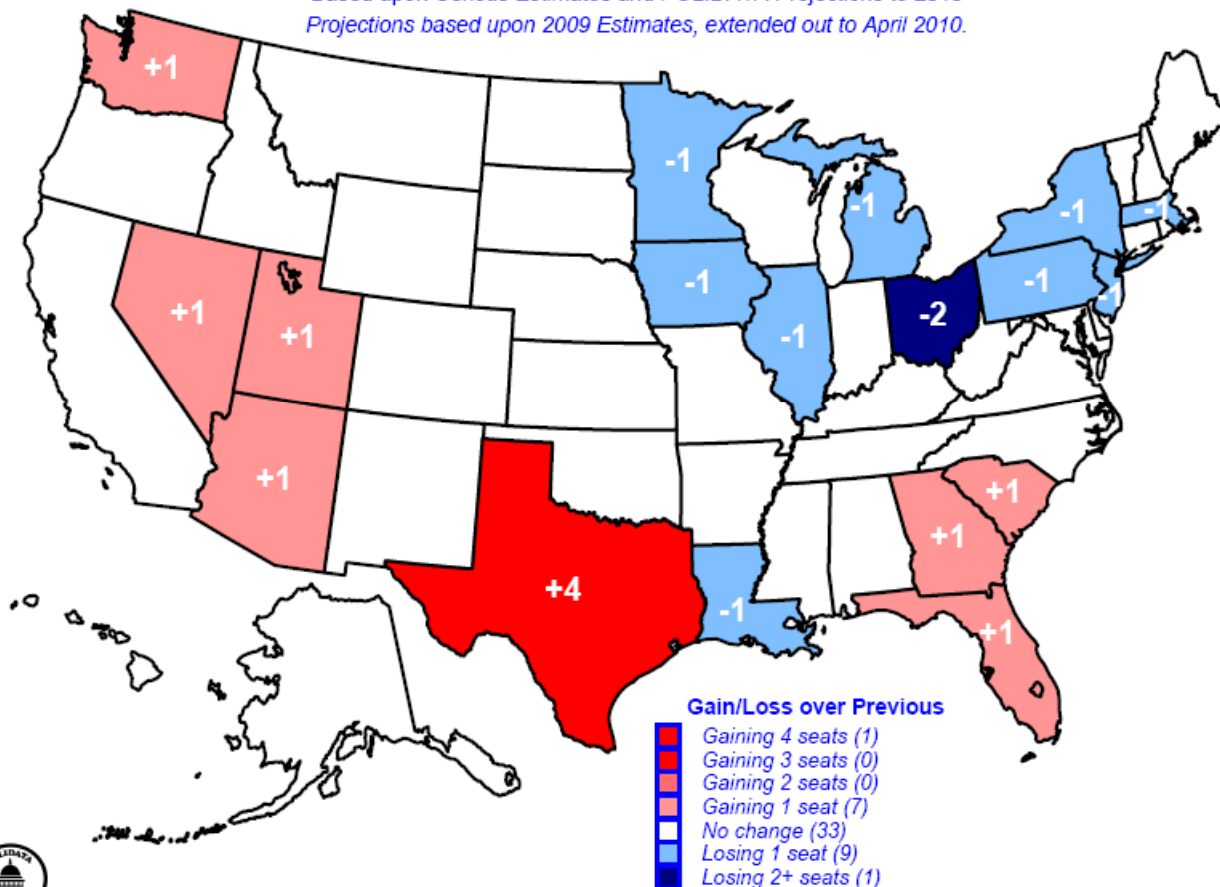
Numeric Change in Population for States and Puerto Rico: April 1, 2000 to July 1, 2009

U.S. Increase 24.8 Million (8.8%)
Six States account for 55%



States Gaining/Losing Seats based upon 2010 Projections

Based upon Census Estimates and POLIDATA Projections to 2010
 Projections based upon 2009 Estimates, extended out to April 2010.



The projected growth rate for LA is based upon a one-year rate (2008-2009) only.

Polidata (R) Demographic and Political Guides. All Rights Reserved. Copyright (c) 2009. www.polidata.us
 Map: ST009NCA.STPOPS09_2X.Est010m

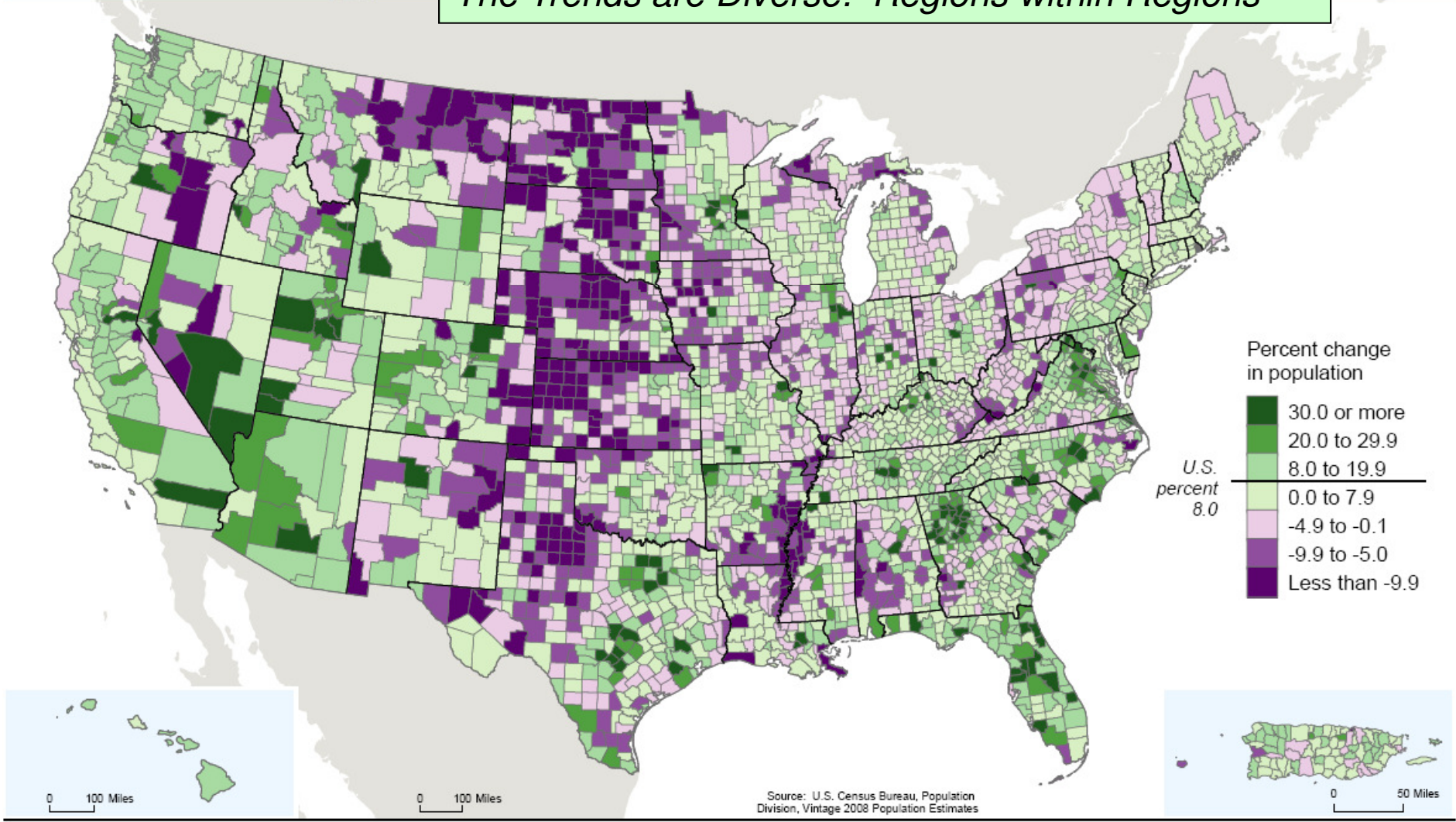
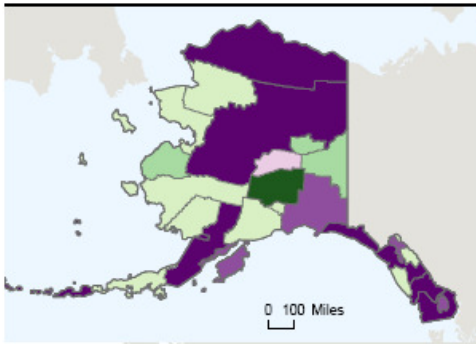
Using the **latest 2009** Population Estimates to make projections for 2010 -- Missouri retains the 9th

The December estimates show Arizona growing a little less rapidly...

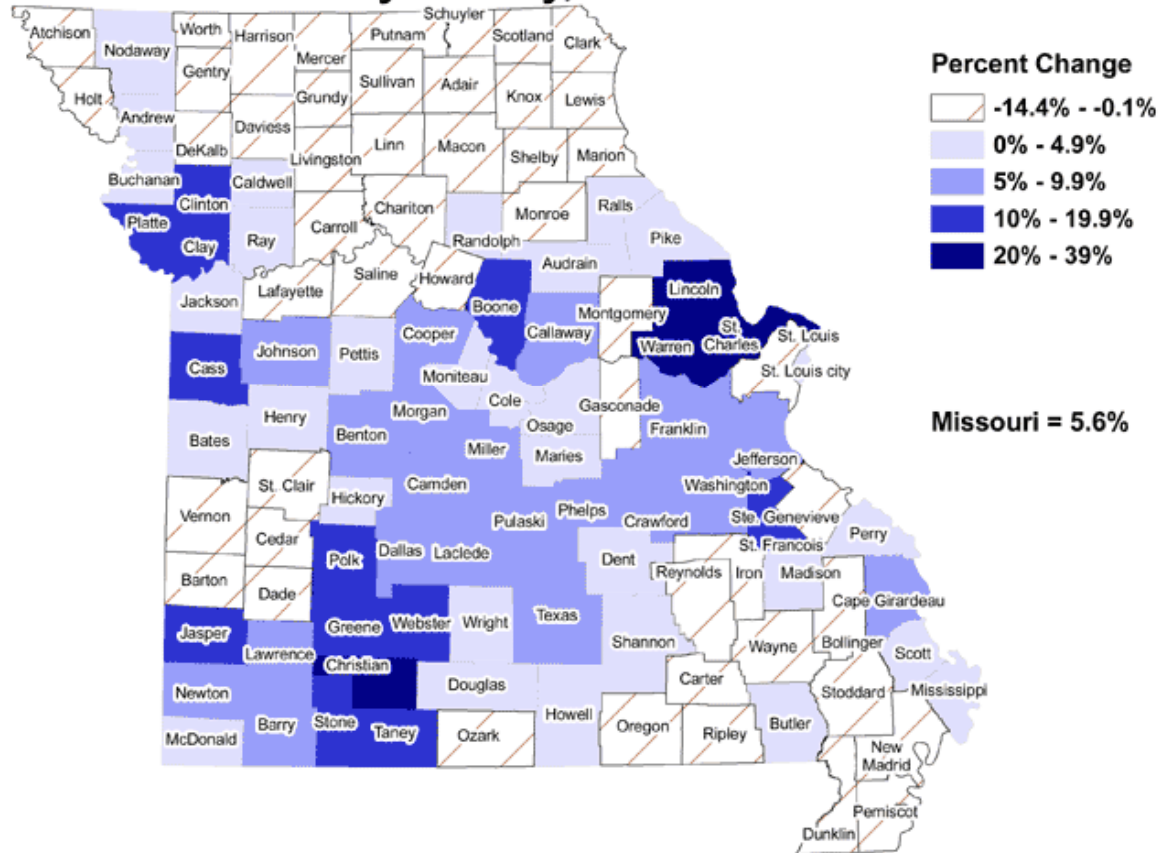
But, migration is being impacted by the recession, and “Complete Count” issues may make the difference.

Percent Change in Population for Counties and Puerto Rico Municipios: April 1, 2000 to July 1, 2008

The Trends are Diverse: Regions within Regions

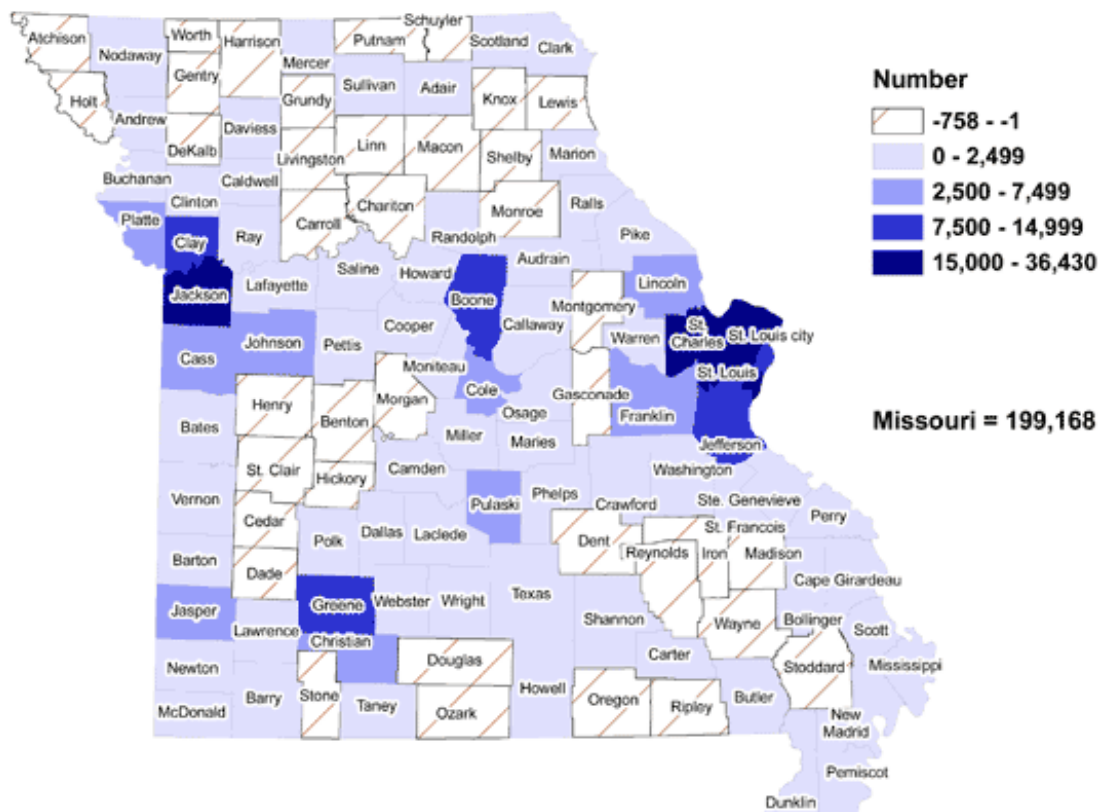


Percent Change in Missouri Population by County, 2000-2008



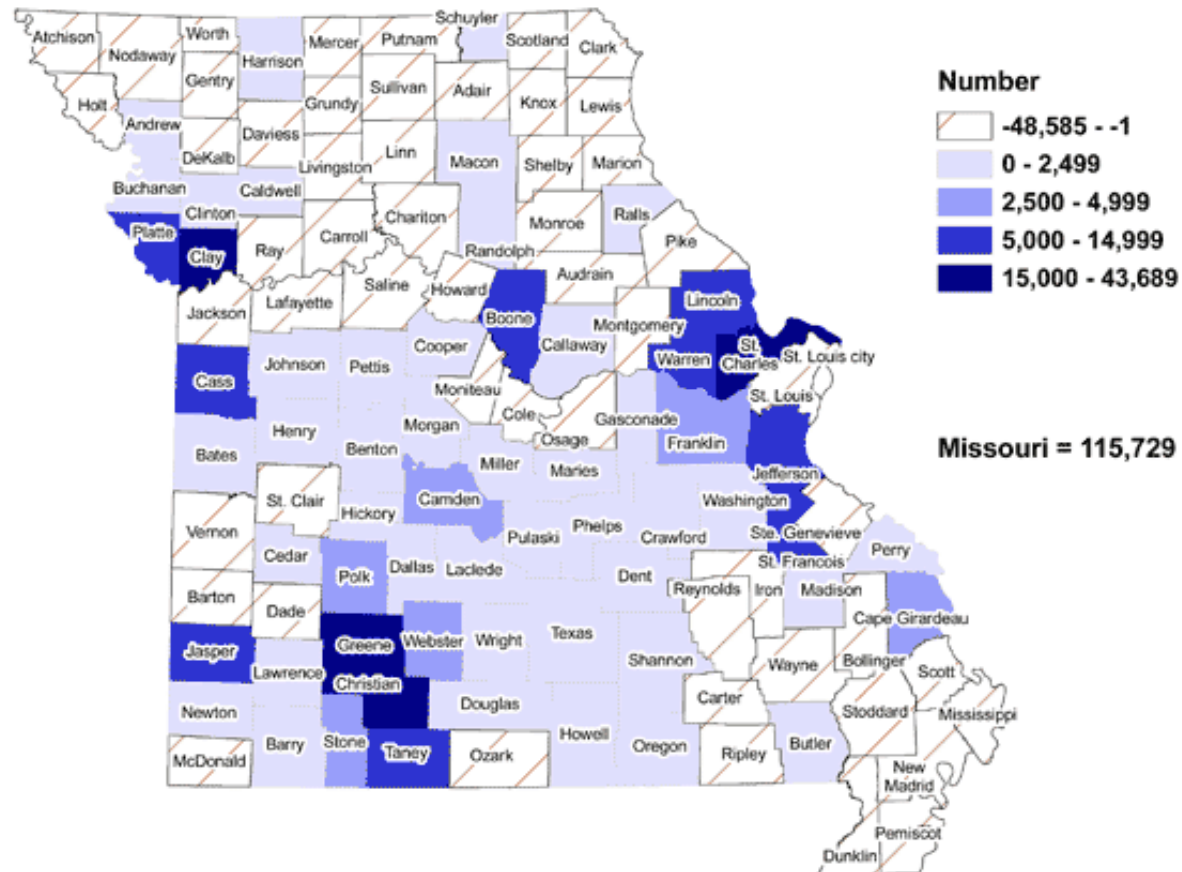
Source: USDC, Bureau of the Census, Federal State Cooperative for Population Estimates, 2008
 Prepared by: University of Missouri Extension, Office of Social and Economic Data Analysis (OSEDA)
 Map Generated on: 02 Apr 2009

Natural Increase of Missouri Population by County, 2000-2008



Source: USDC, Bureau of the Census, Federal State Cooperative for Population Estimates, 2008
 Prepared by: University of Missouri Extension, Office of Social and Economic Data Analysis (OSED)A
 Map Generated on: 02 Apr 2009

Net Migration of Missouri Population by County, 2000-2008



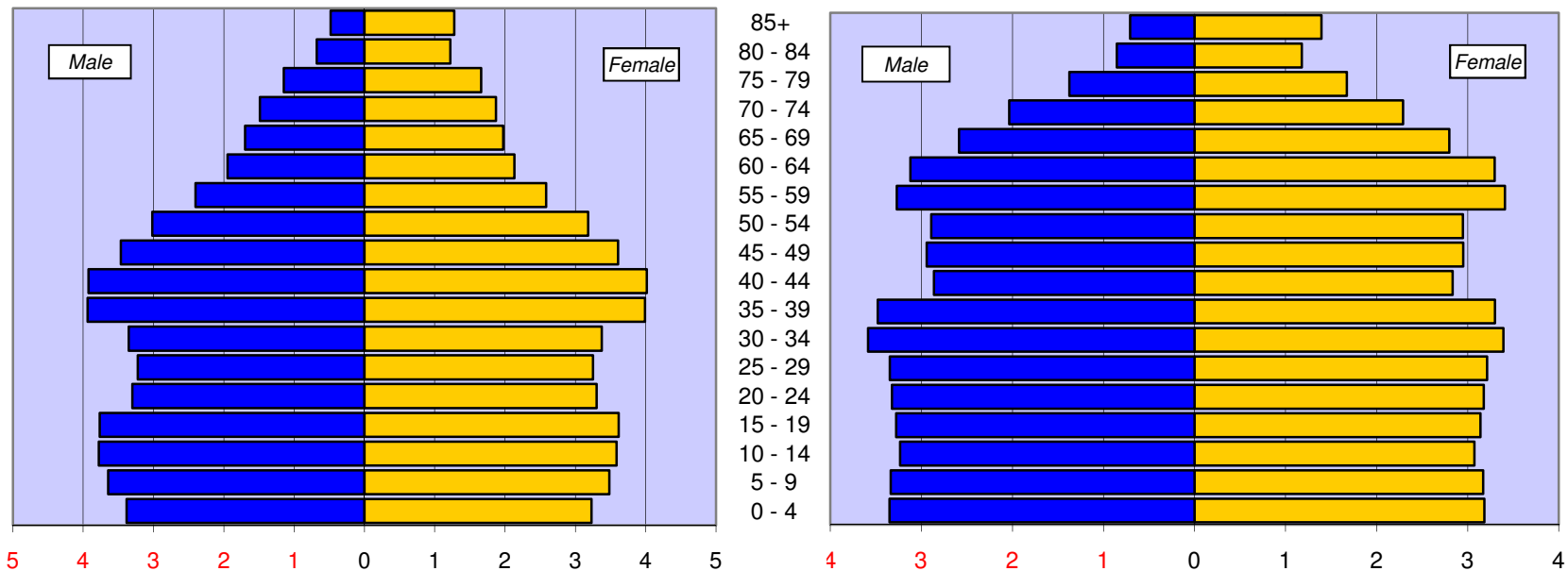
Source: USDC, Bureau of the Census, Federal State Cooperative for Population Estimates, 2008
 Prepared by: University of Missouri Extension, Office of Social and Economic Data Analysis (OSED)A
 Map Generated on: 02 Apr 2009

TRENDS...

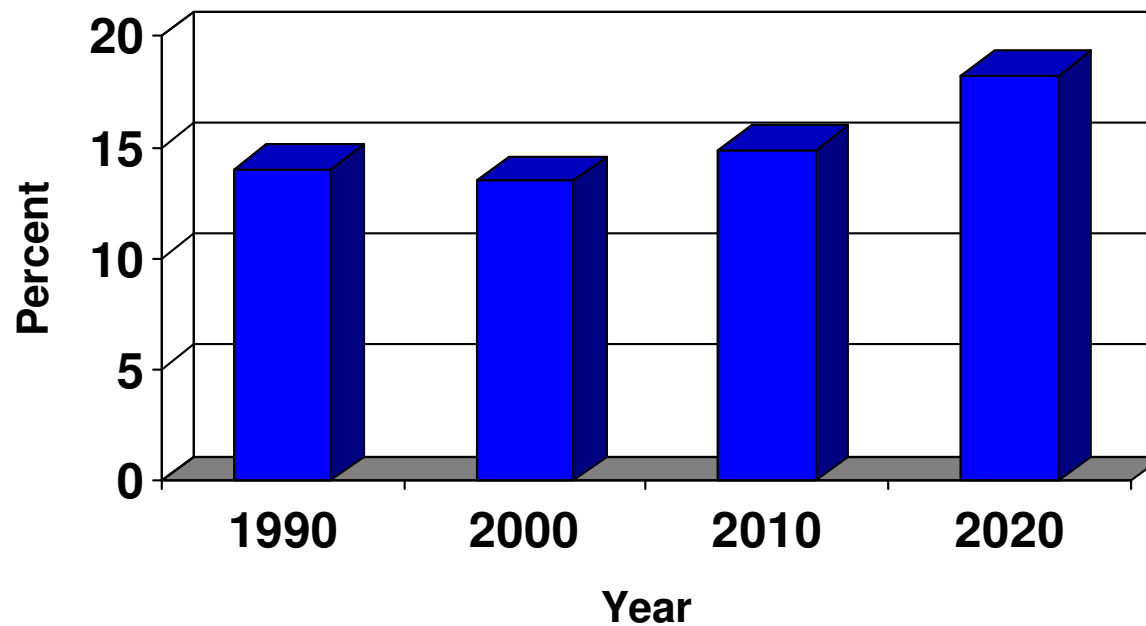
Population Pyramids of Missouri

2000

2020



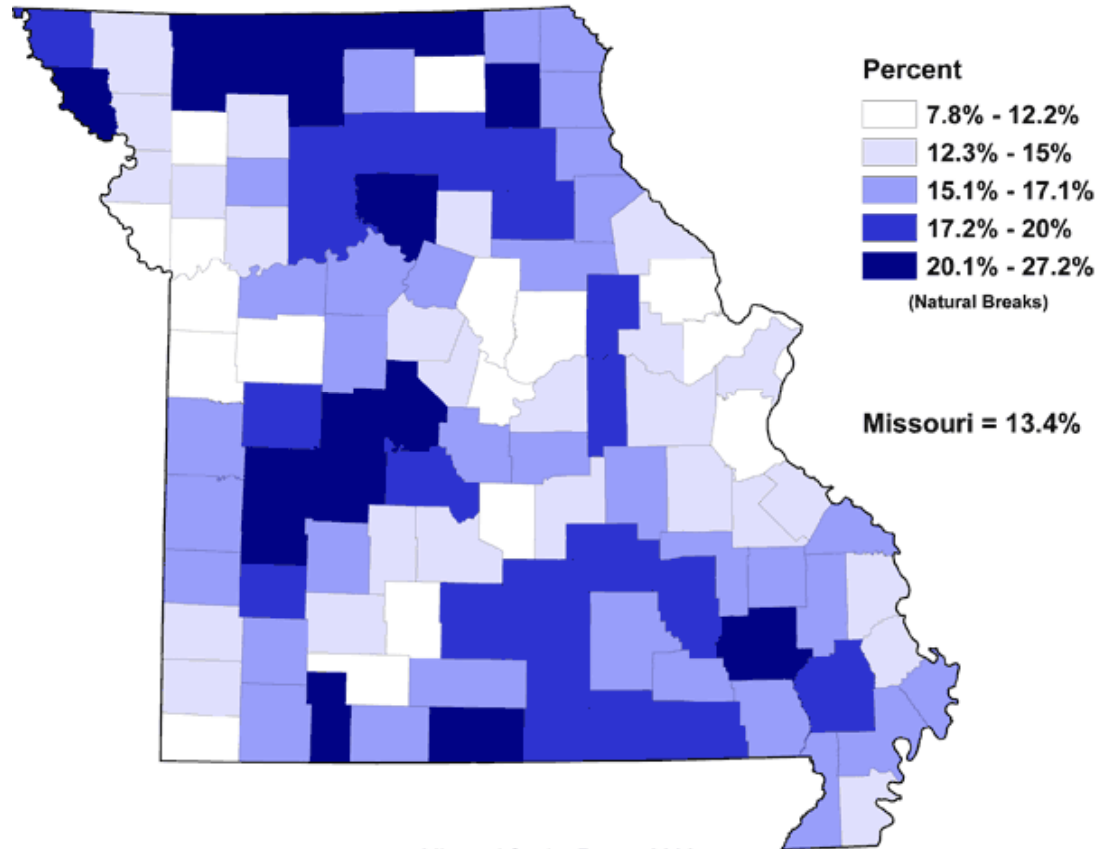
Percent Missouri Population Age 65+: 1990-2020



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

TRENDS...

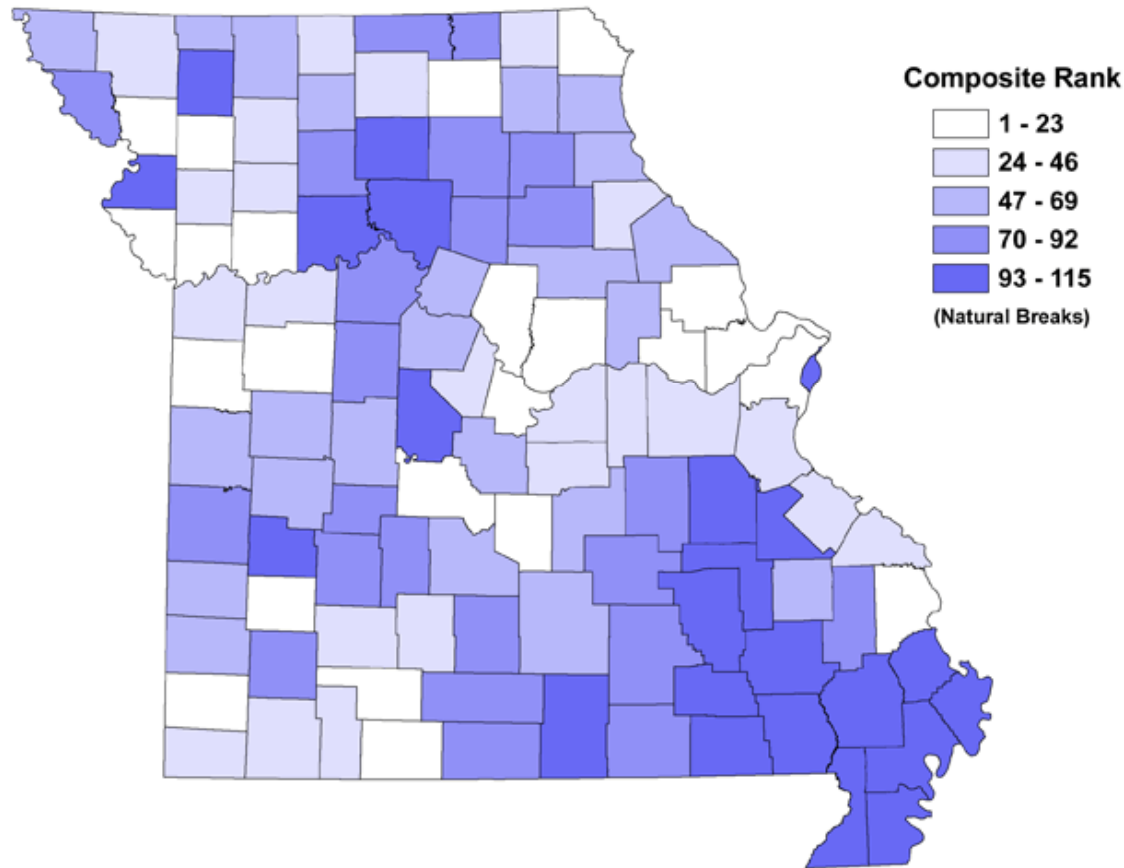
Percent of Population 65 and Over, 2007



Missouri Senior Report 2008
Source: US Census Bureau, Census of Population and Housing, 2007
Produced by: University of Missouri Extension, Office of Social and Economic Data Analysis (OSED A)
Map Generated on 11.19.2008

Quality of Life

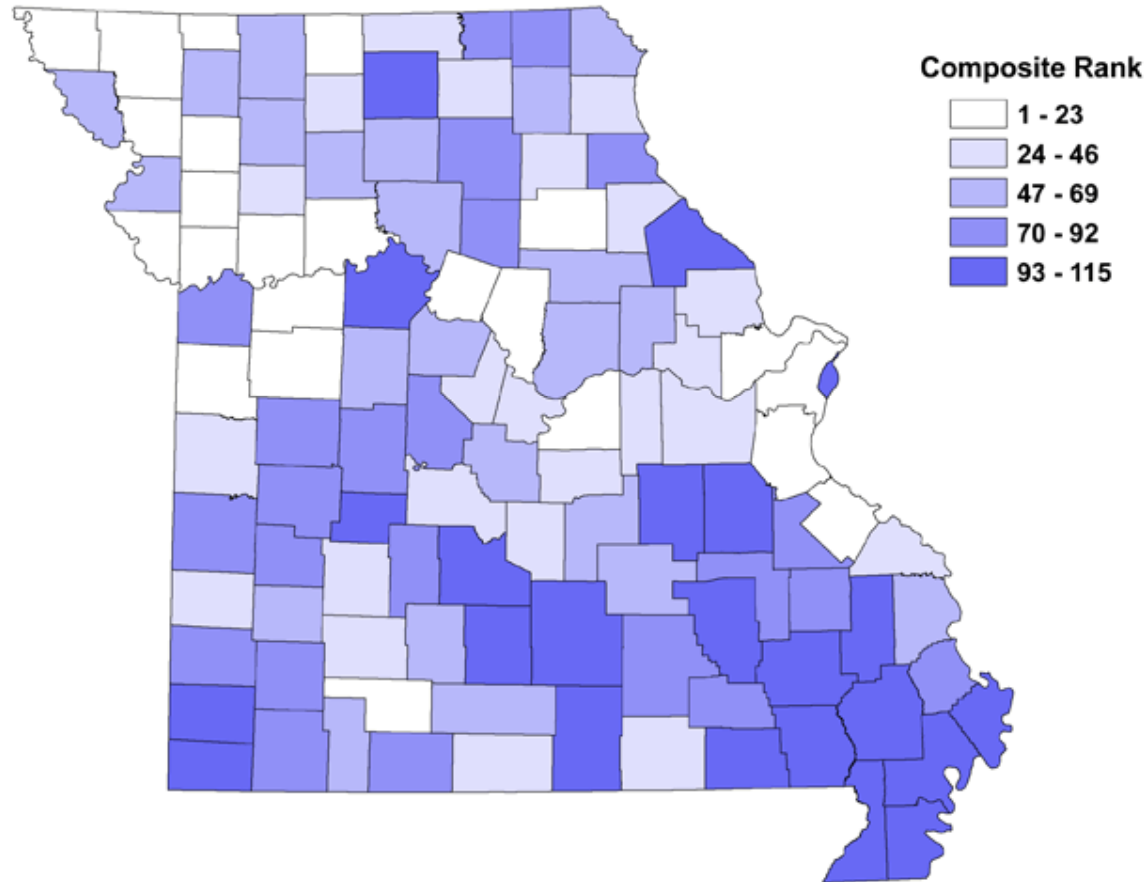
Missouri Senior Report, 2009 Composite Rankings



Missouri Senior Report, 2009
Map Prepared By: University of Missouri Extension, Office of Social and Economic Data Analysis (OSED)A
Map Generated On: 01 Feb 2010

Quality of Life

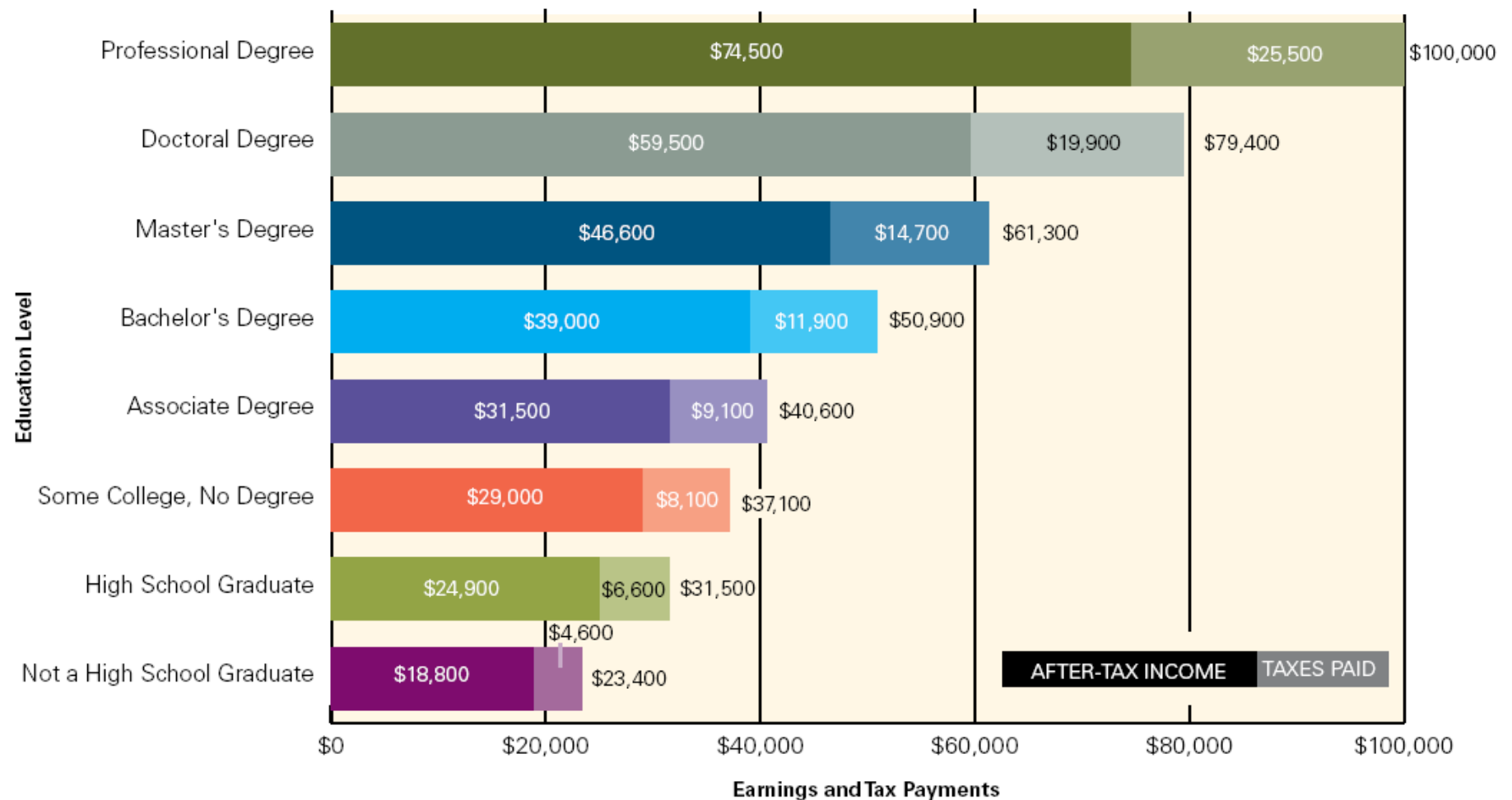
Missouri Kids Count, 2009 Composite County Rankings



Data Source: Missouri KidsCount, 2009
Map Prepared By: University of Missouri Extension, Office of Social and Economic Data Analysis (OSEDA)
Map Generated On: 02 Feb 2010

Education, Earnings, and Tax Payments

Figure 1.1: Median Earnings and Tax Payments of Full-Time Year-Round Workers Ages 25 and Older, by Education Level, 2005



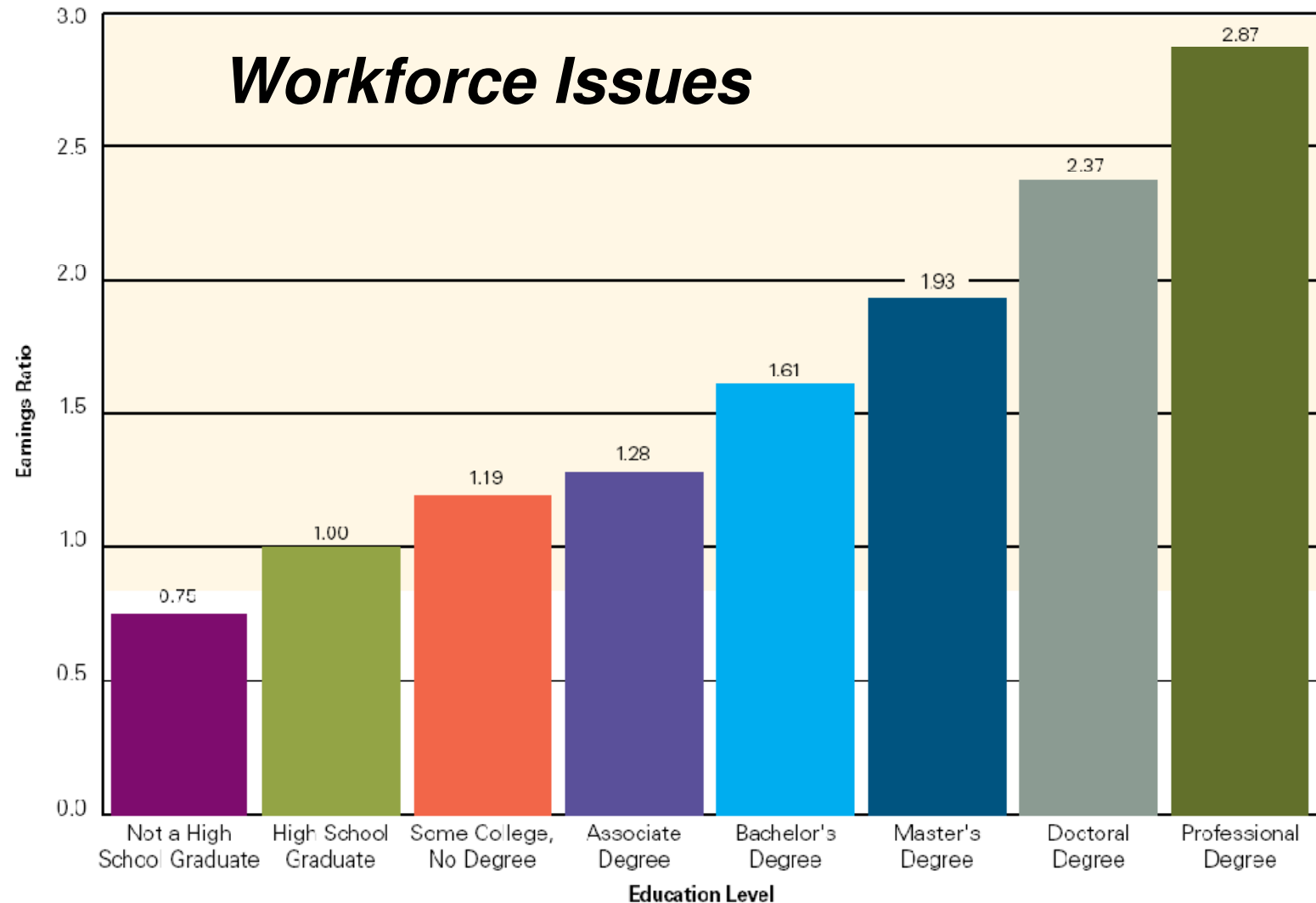
Note: Taxes paid include federal income, Social Security, and Medicare taxes, and state and local income, sales, and property taxes.

Sources: U.S. Census Bureau, 2006, PINC-03; Internal Revenue Service, 2006; McIntyre et al., 2003; calculations by the authors.

The bars in this graph show median earnings at each education level. The lighter segments represent the average federal, state, and local taxes paid at these income levels. The darker segments show after-tax income.

Financial Benefits to the Individual

Figure 1.2: Expected Lifetime Earnings Relative to High School Graduates, by Education Level

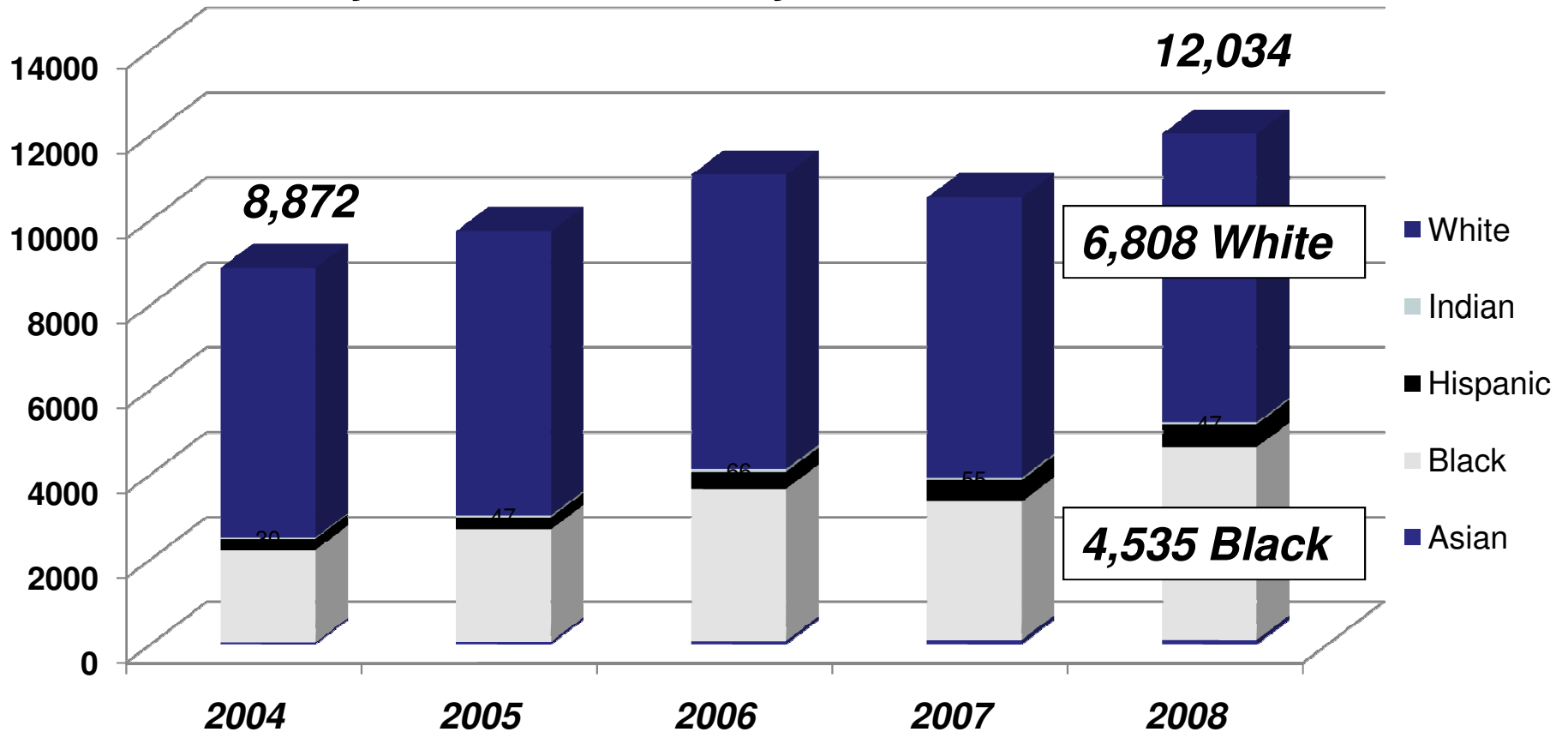


Notes: Based on the sum of median 2005 earnings from ages 25 to 64 for each education level. Future earnings are discounted using a 3 percent

The Number of Missouri High School Dropouts Increased by 3,162 or 36% from 2004 to 2008

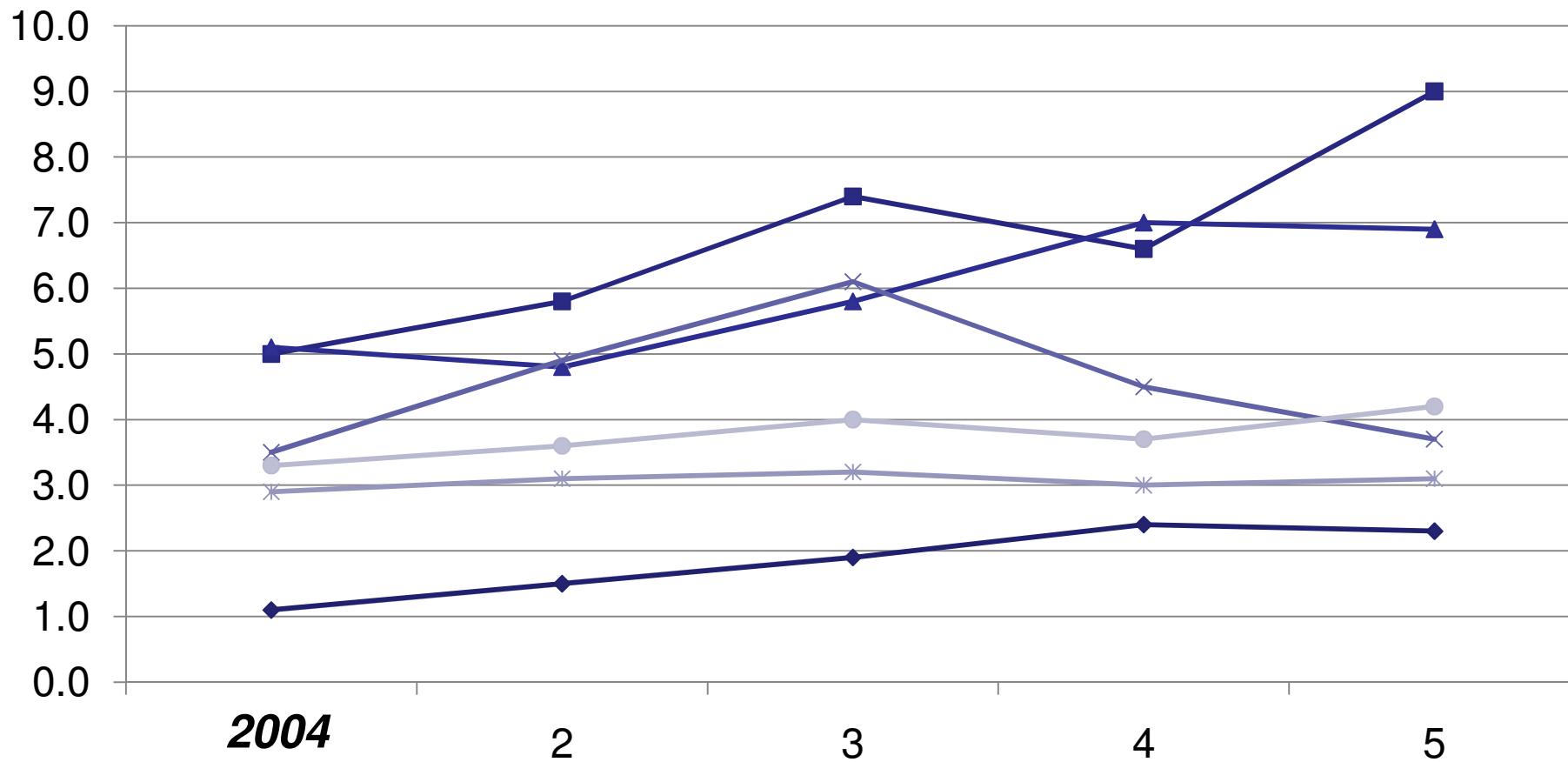
Missouri High School Dropouts 2004-2008 By Race and Ethnicity

*The Wrong....
"Race to the Top"*



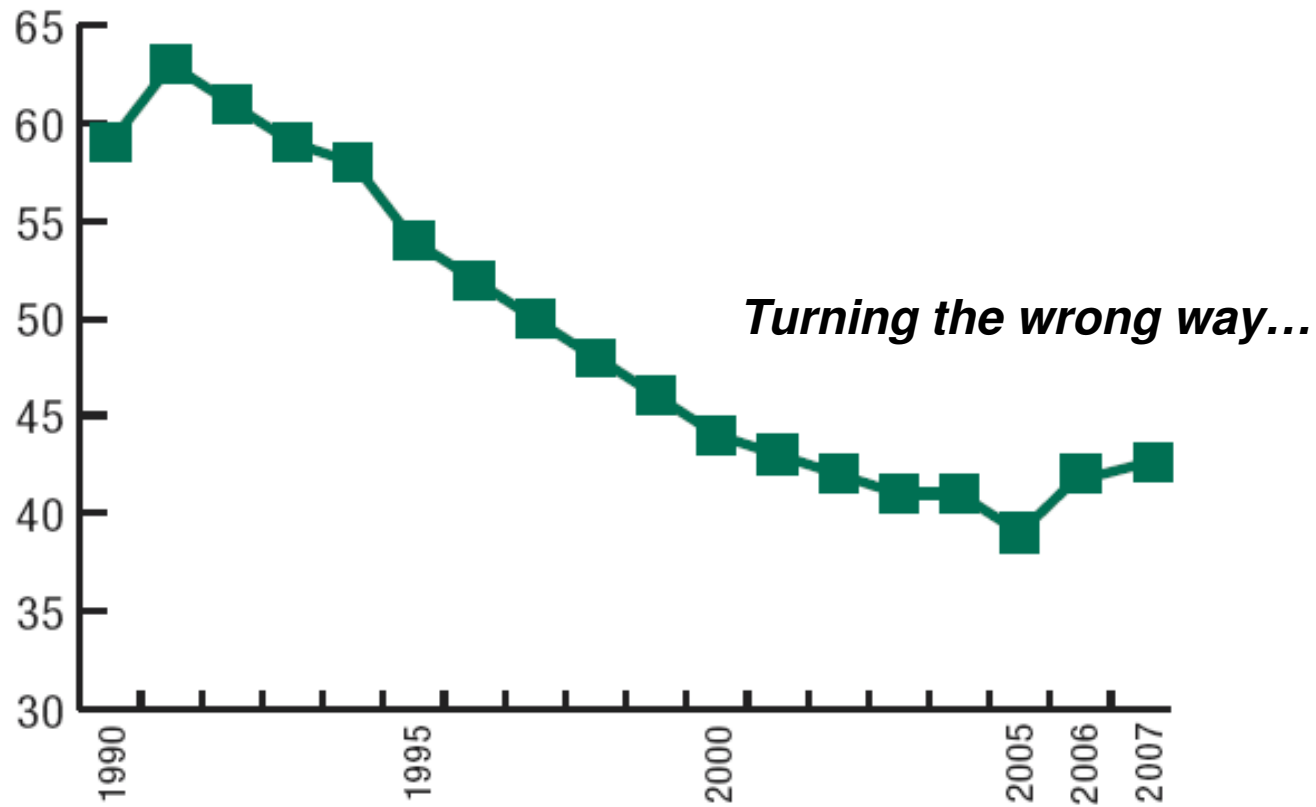
Source: DESE, 2009 School Data

Missouri High School Annual Dropout Rate 2004-2008 by Race and Ethnicity



Critical Social and Demographic Factors

Teen Birth Rates, 1990-2007



Source: National Vital Statistics Reports, National Center for Health Statistics, 2002 and 2009.

Profound interrelationships with education and poverty

Child **TRENDS** RESEARCH BRIEF

Publication #2009-10

4301 Connecticut Avenue, NW, Suite 350, Washington, DC 20008

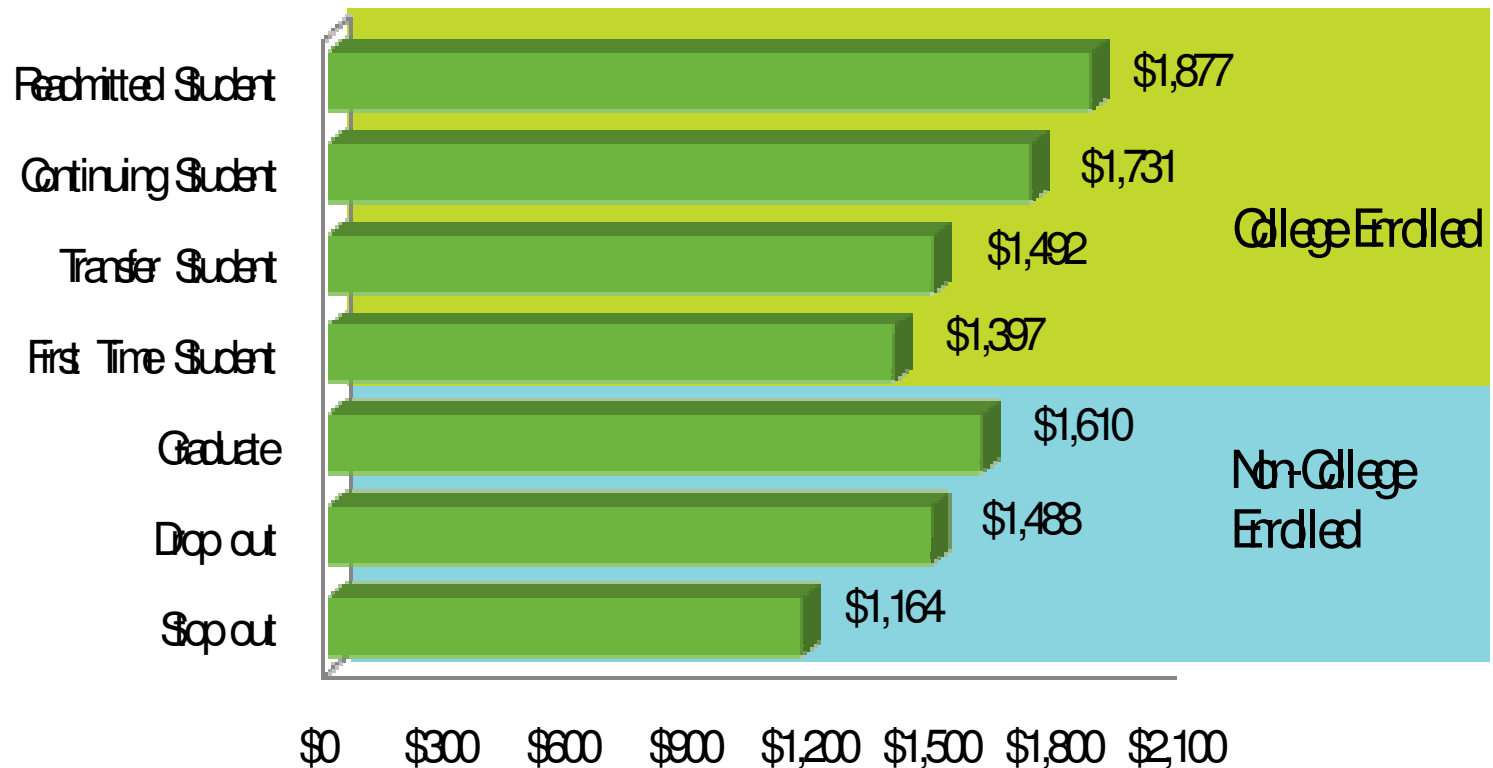
Phone 202-572-6000 Fax 202-362-8420 www.childtrends.org

*Adolescent mothers have high probabilities of raising their children in poverty. **More than 40 percent of teenage moms report living in poverty at age 27** (Moore et al. 1993).*

*The rates are especially high among black and Hispanic adolescent mothers, **more than half of whom end up in poverty***

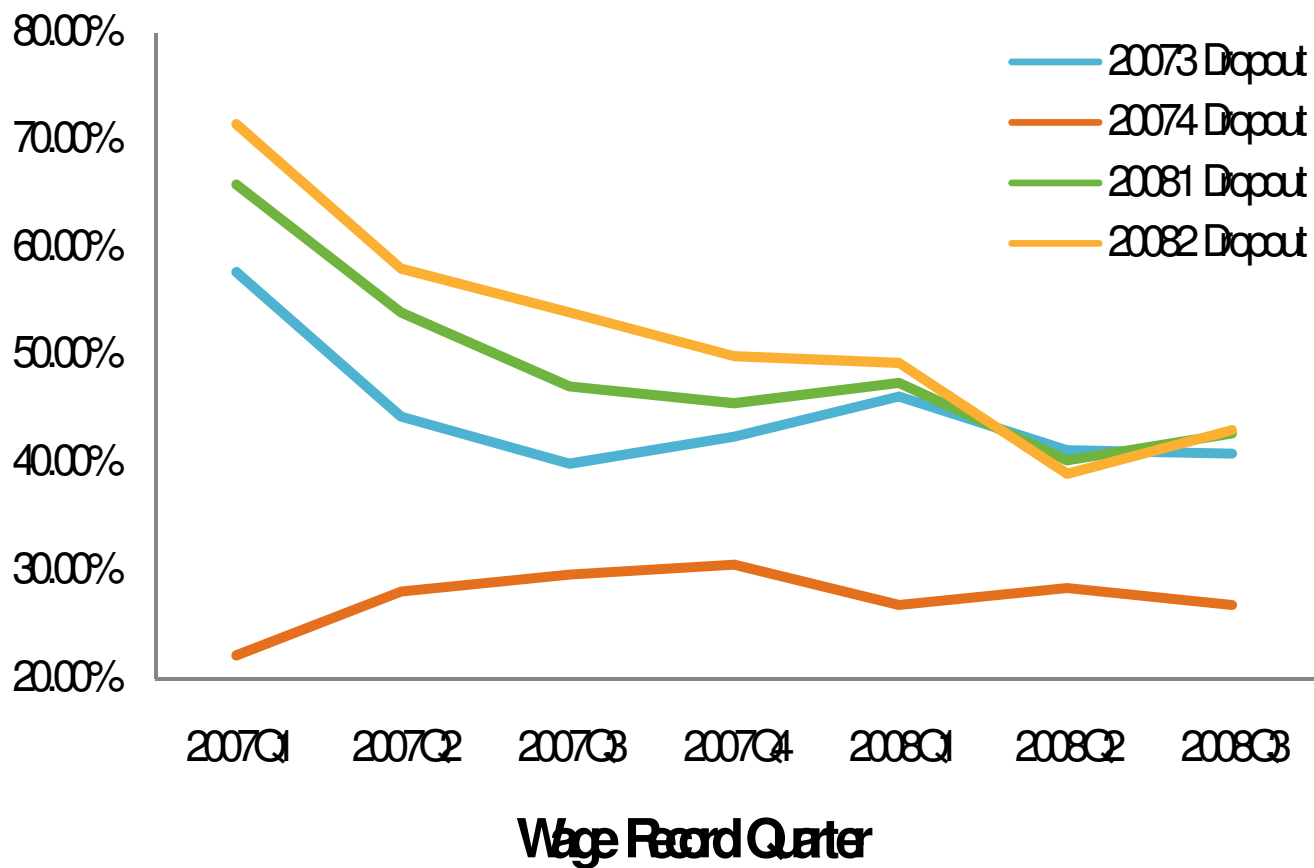
Returns to Education

Average Wage for Missouri High School Graduates

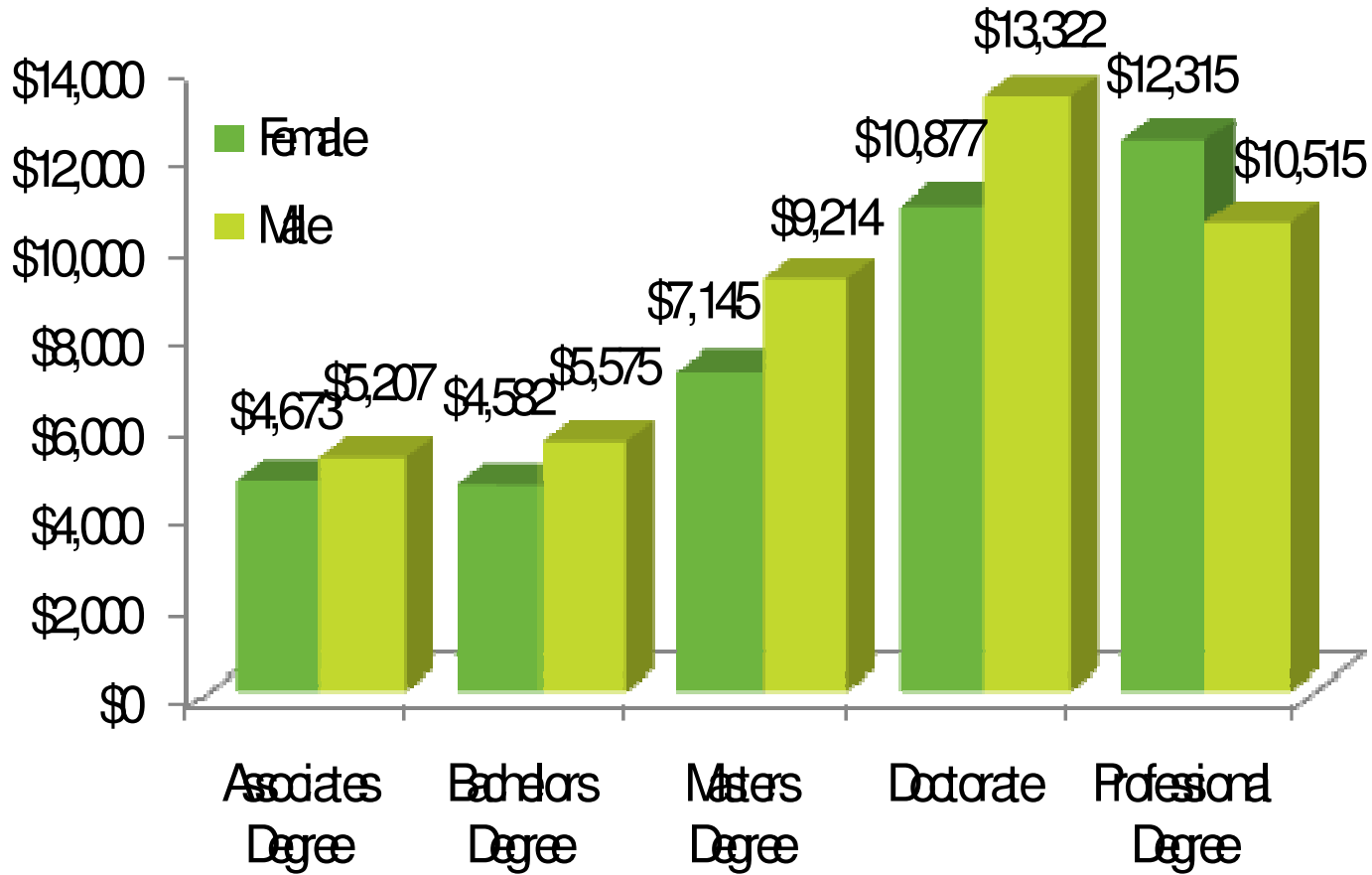


2007Q1-2008Q3

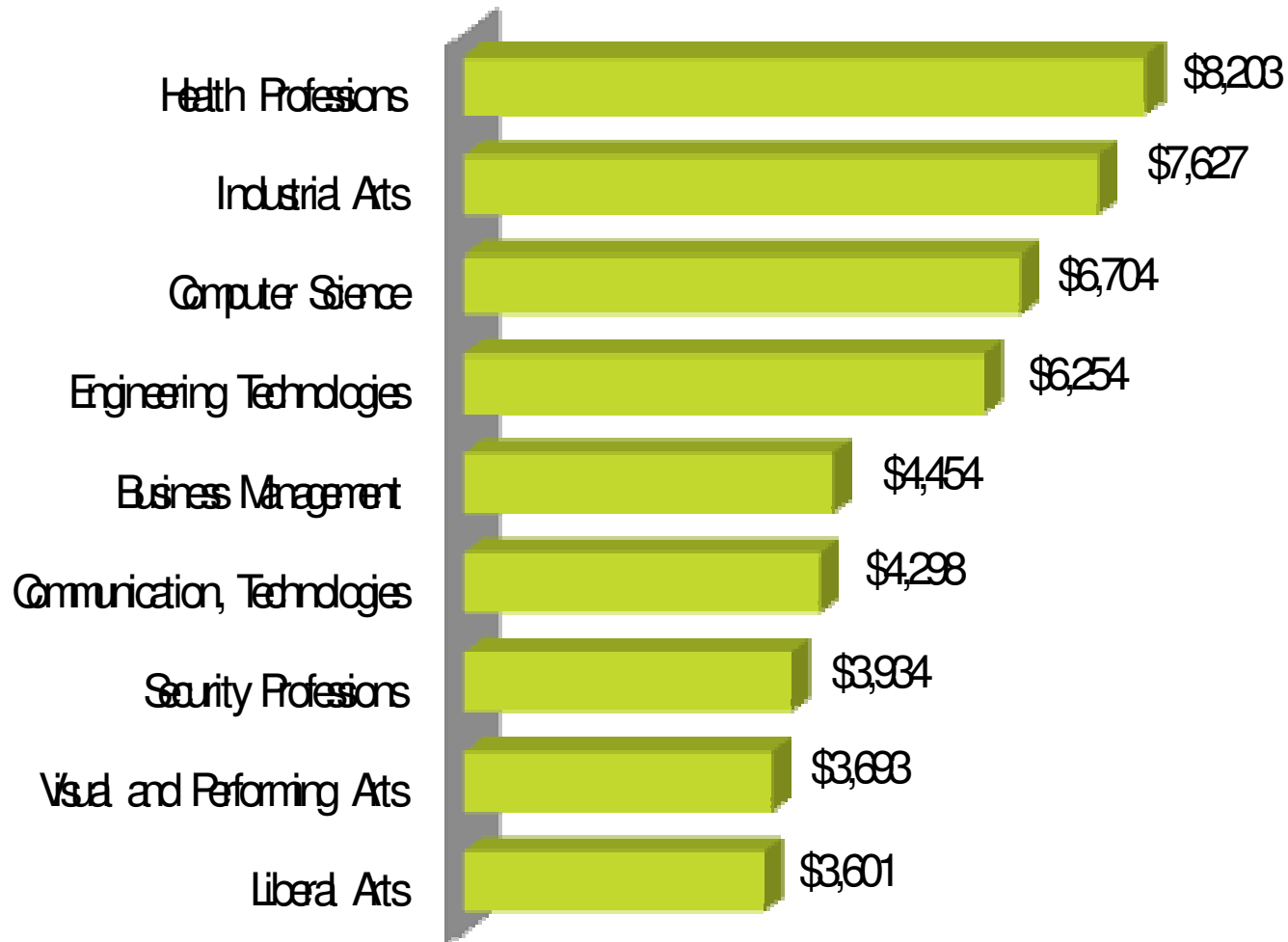
Percent of Missouri High School Dropouts Not in Missouri Wage Records by Quarter



Average Wage (2008) for Missouri College Graduates by Gender

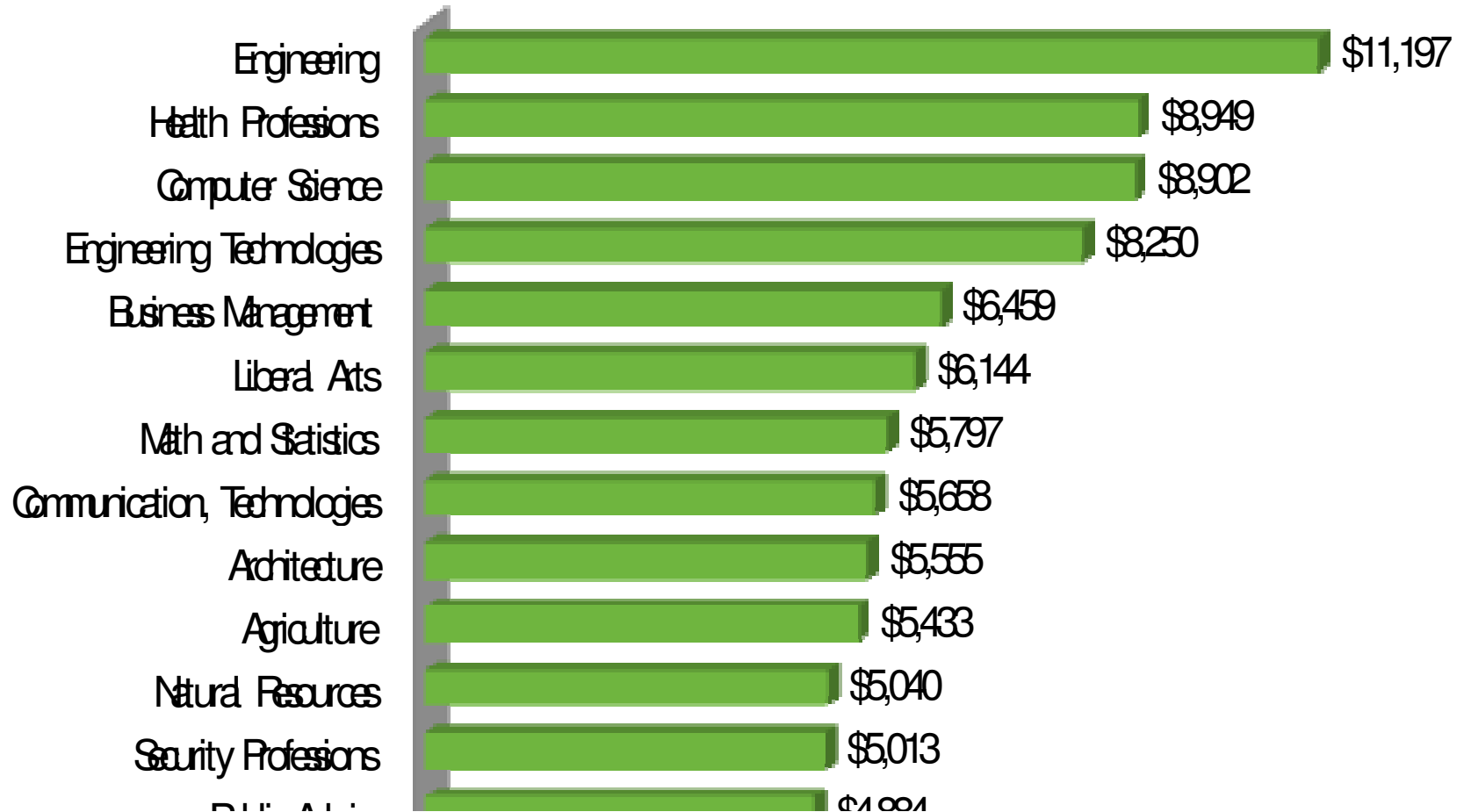


Average Wage (2008Q3) for College Graduates- Associates Degree Completers by Subject





Average Wages (2008) for College Graduates Bachelors Degree Completers by Subject



2010 Census

- *Mother of all address lists (enumeration)*
- *Only “Short Form” in 2010 (the count)*
- *Reapportionment and redistricting file by the end of 2010.*
- ***Representation and Resource Allocation***
- *Issues: “Disproportionate Undercount”*
- *Hence: “Complete Count” Programs*
- *Instead of “Long Form” we have:*
 - ***“The American Community Survey”***

OSEDA...

- Data
- Information
- Knowledge
- Wisdom
- **LEADERSHIP**

Civic Engagement.... "You are entitled to your own opinion, but you are not entitled to your own facts." Senator Simpson or Senator Kennedy

*Knowledge Systems
Rules of Evidence
Rules of Logic*

***Understanding and preparing
the environment***



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