

# Demographic Trends and Missouri's Children

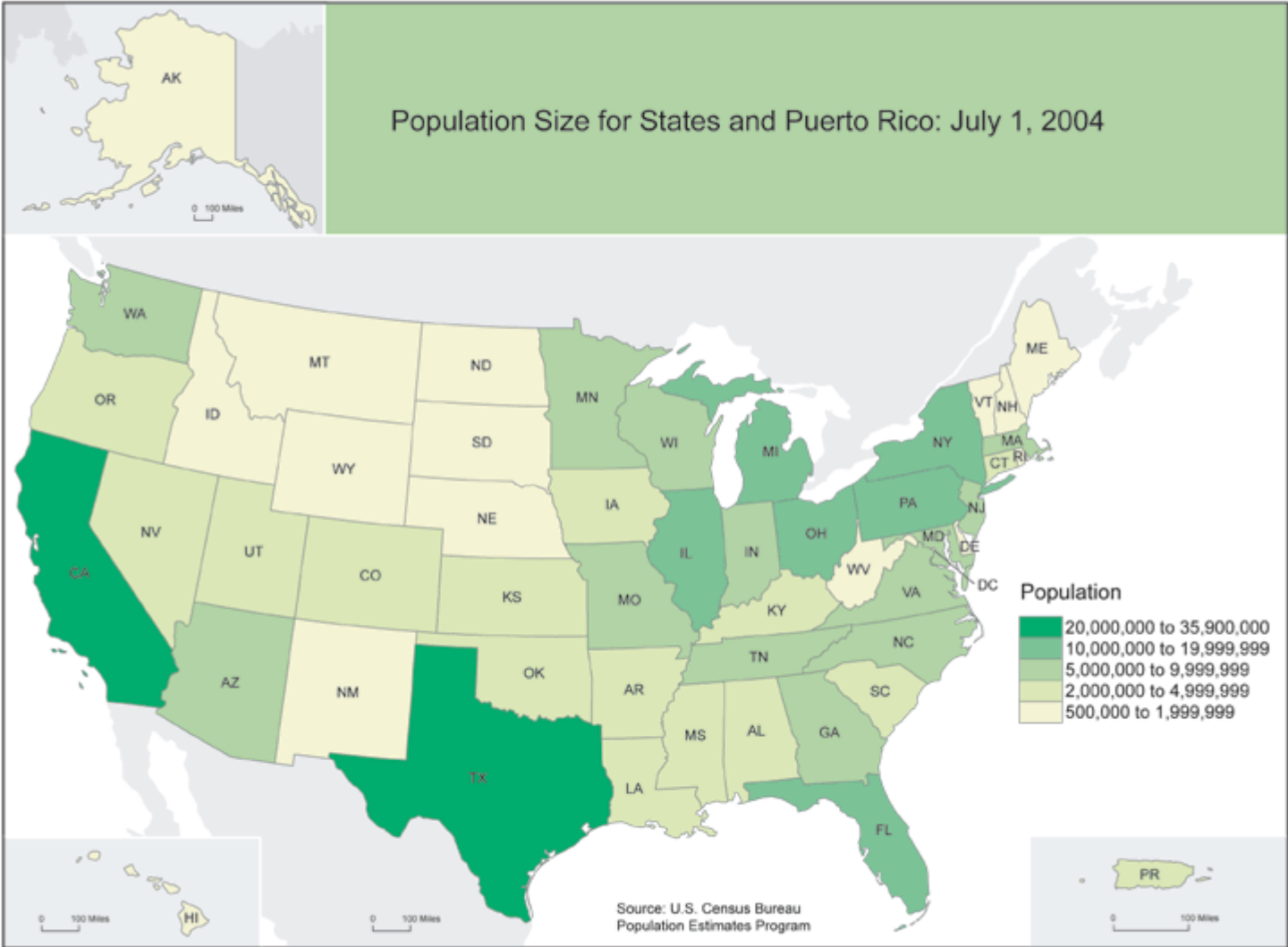
Missouri State Board of Education

**April 21, 2005**

**Dr. Bill Elder  
University of Missouri-Columbia  
Office of Social and Economic Data Analysis**

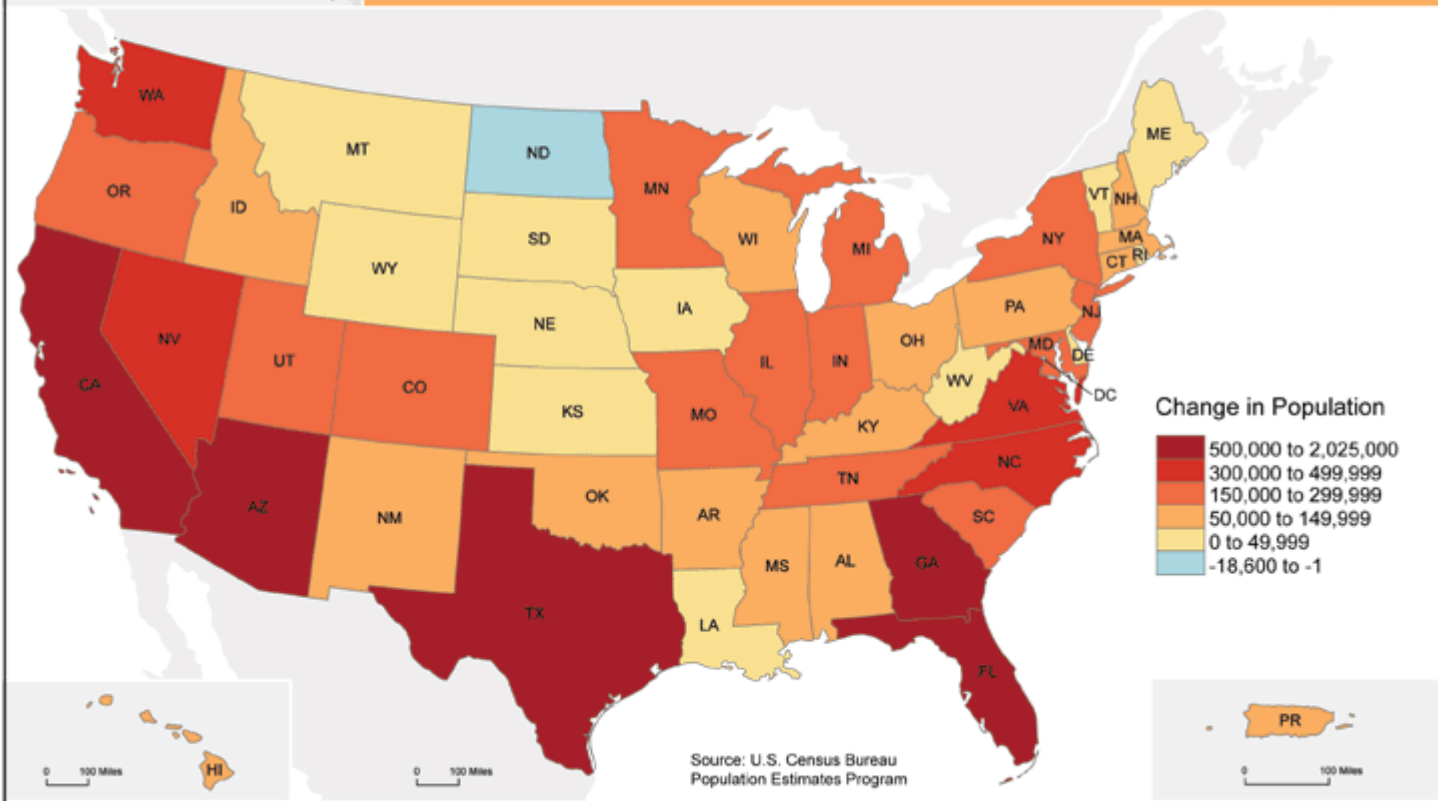
# Overview of Presentation

- Broad demographic context for Missouri
- Some factors in school environments and communities that impact performance
- Missouri regional and local diversity
- Implications and discussion
  - Is demography destiny?
  - Educational leadership beyond the school





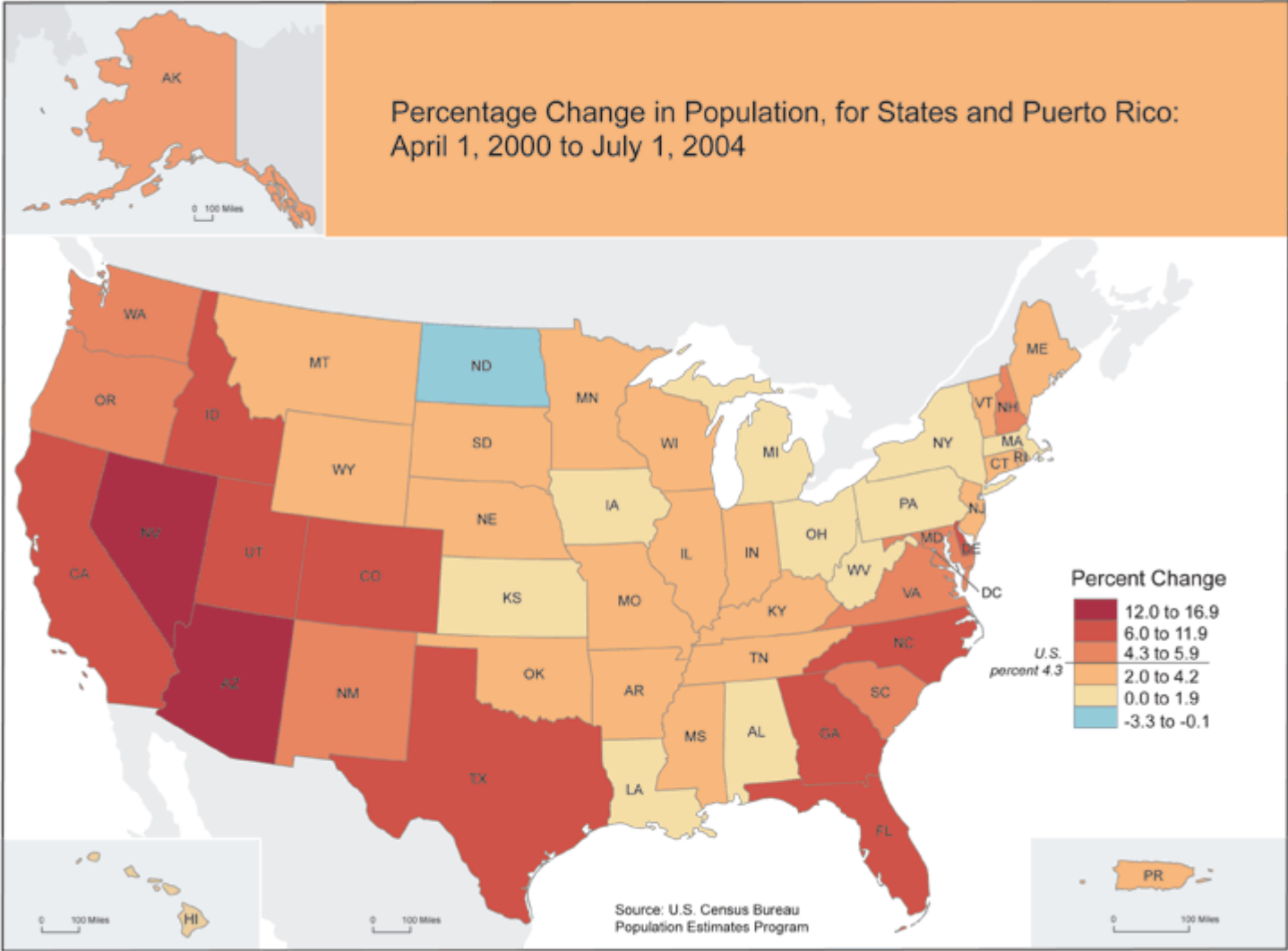
### Numerical Change in Population for States and Puerto Rico: April 1, 2000 to July 1, 2004



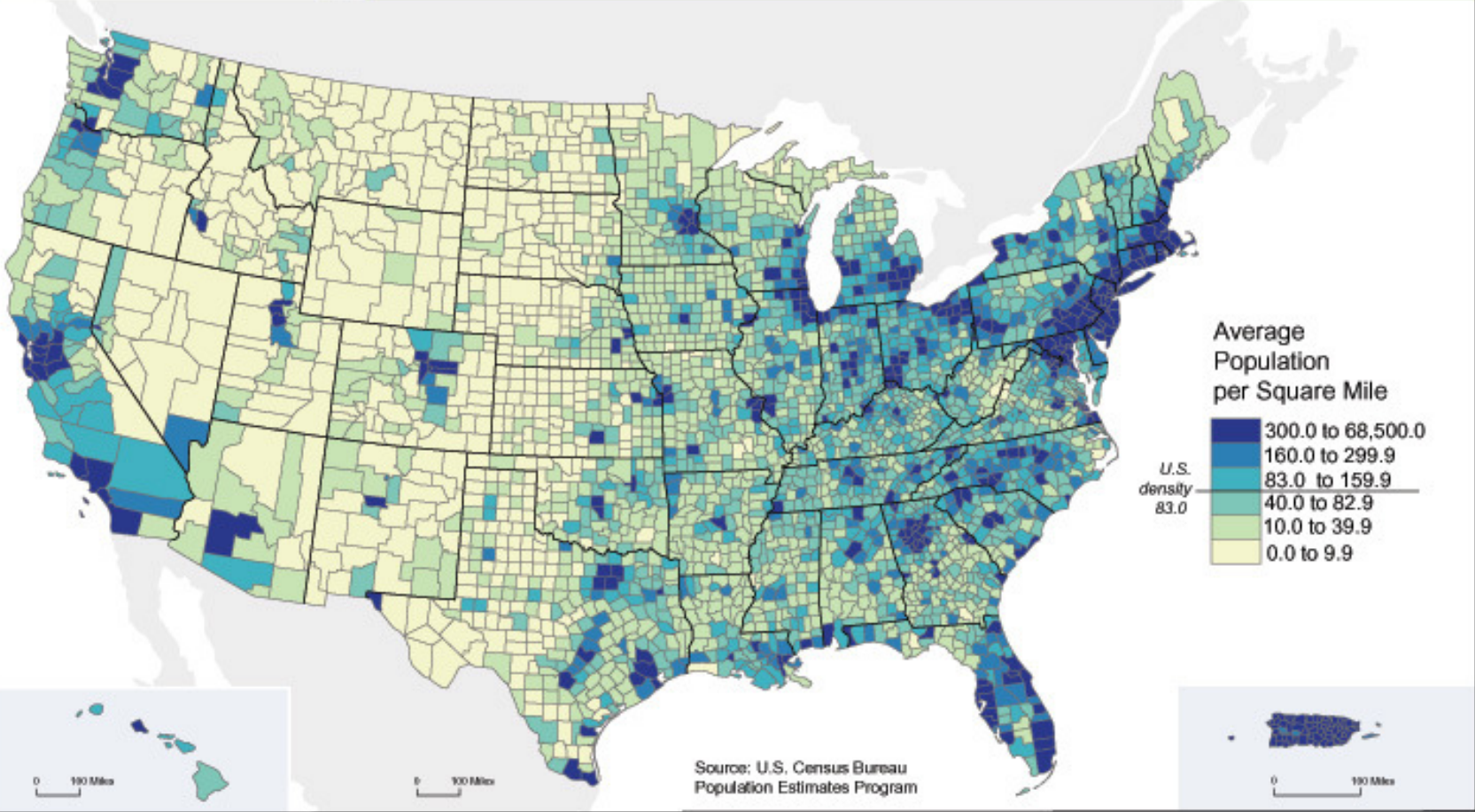
**Change in Population**

Dark Red	500,000 to 2,025,000
Red	300,000 to 499,999
Orange-Red	150,000 to 299,999
Orange	50,000 to 149,999
Light Yellow	0 to 49,999
Light Blue	-18,600 to -1

Source: U.S. Census Bureau  
Population Estimates Program

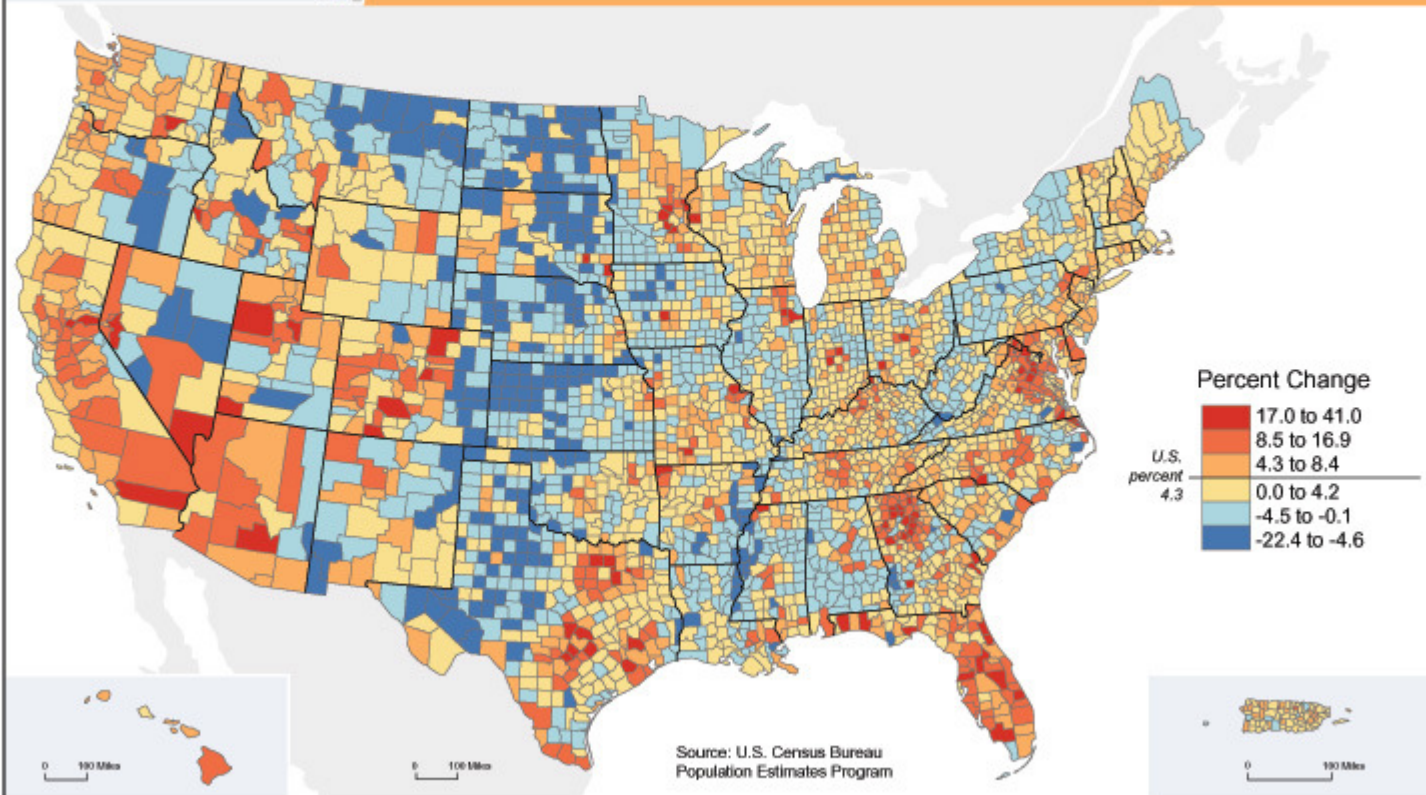
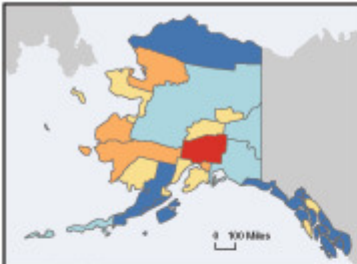


# Population Density for Counties: July 1, 2004

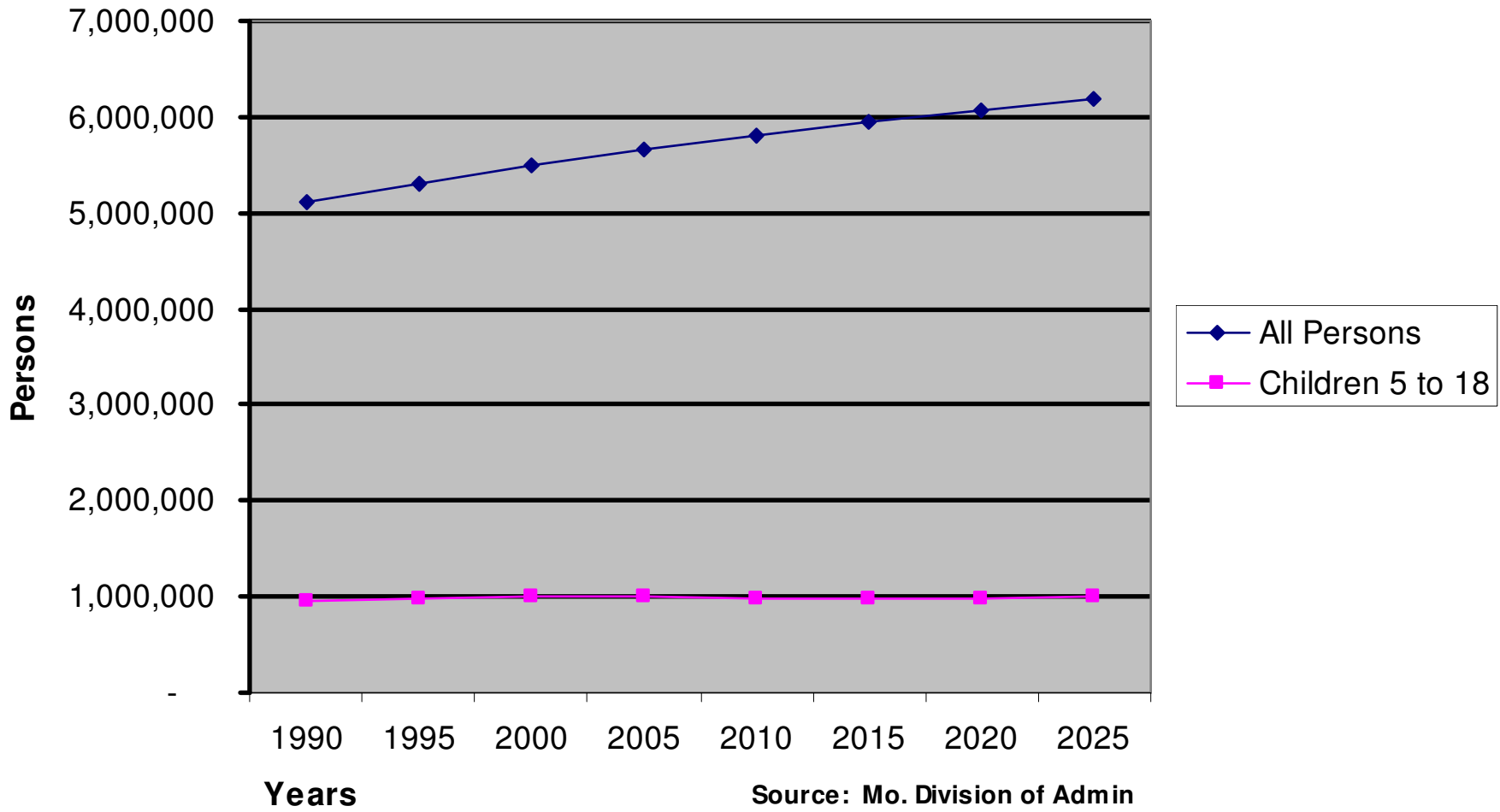


Source: U.S. Census Bureau  
Population Estimates Program

Percent Change in Population for Counties:  
April 1, 2000 to July 1, 2004

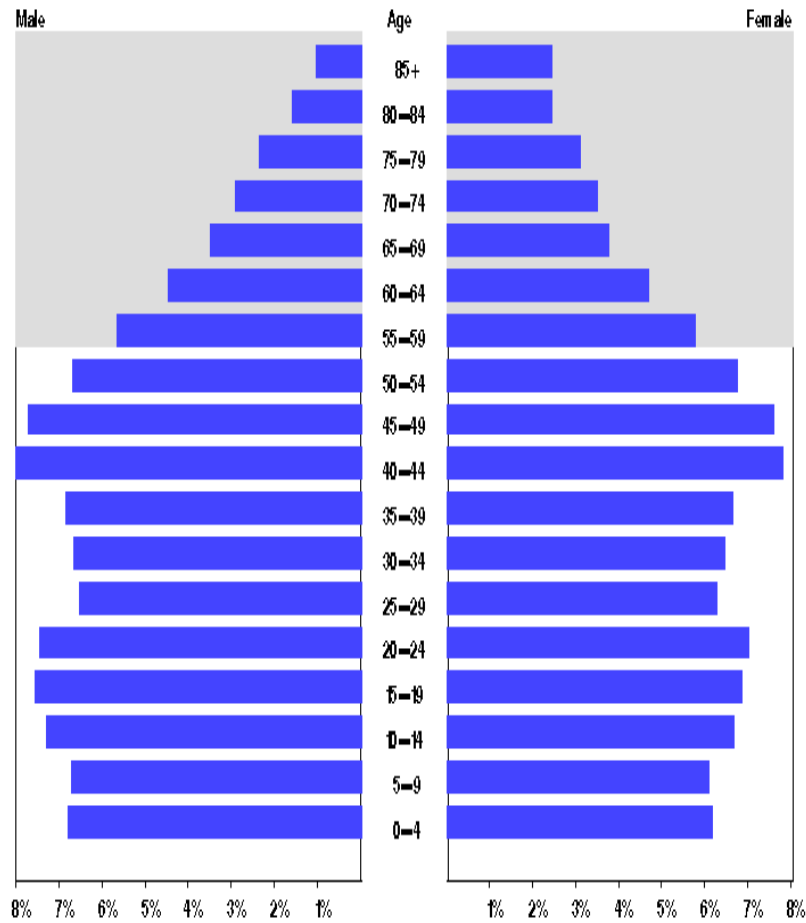


# Missouri Population Projections

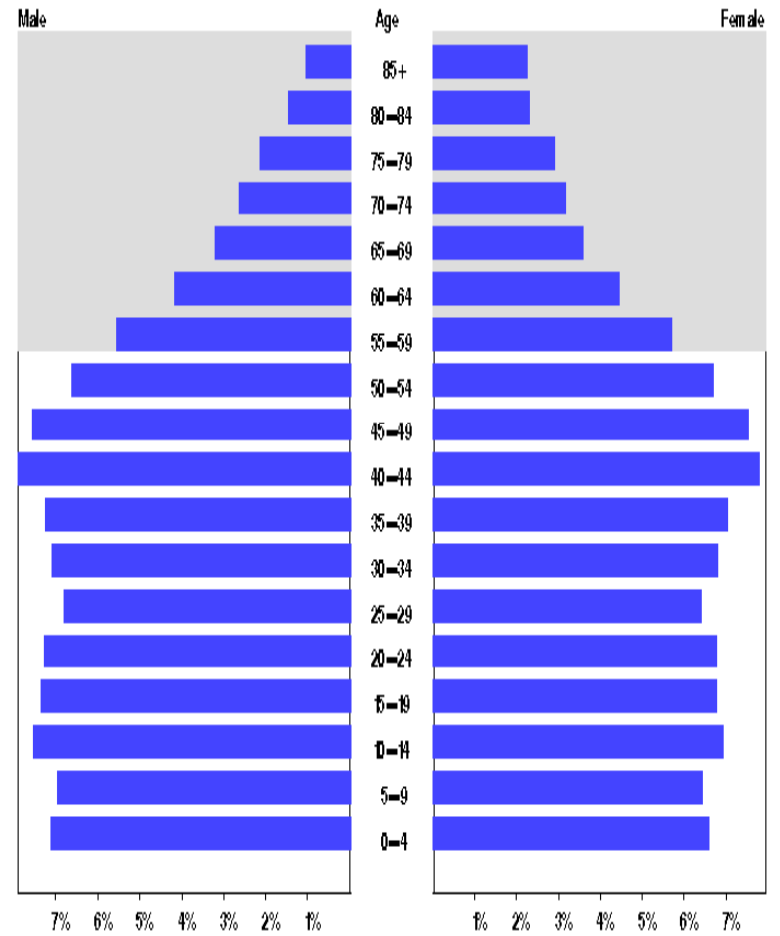




Population by Age & Sex: 2004  
Missouri



Population by Age & Sex: 2004  
United States



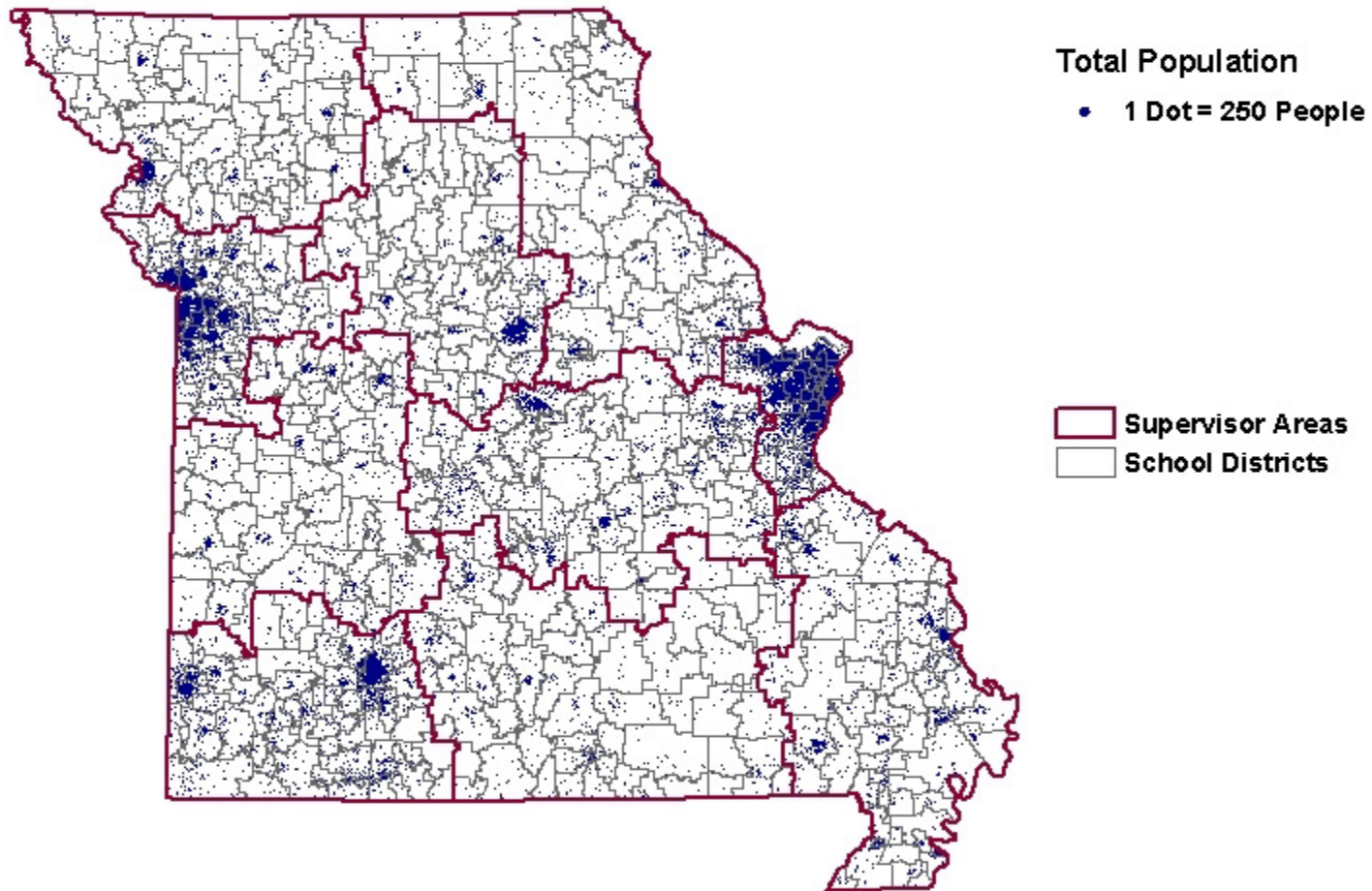
# Age Comparisons

**American Community Survey  
2003**

## **Age Indicators**

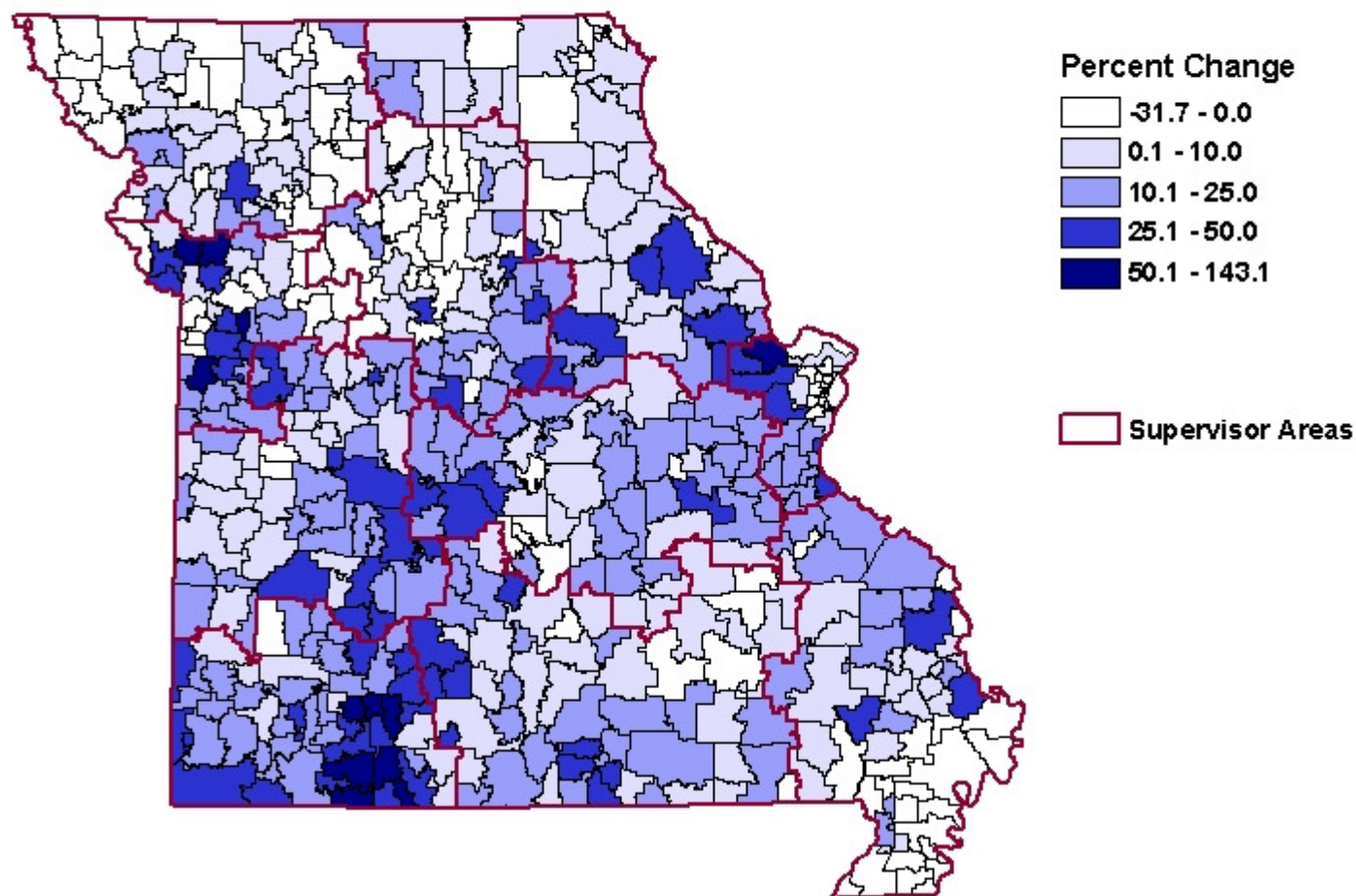
	<b>U.S</b>	<b>Missouri</b>
Median age (years)	36.0	36.8
Under 18 years old	25.67%	25.27%
65 years and over	11.98%	12.71%

## Total Population by Block Group, 2000



Source: USDC, Bureau of the Census, Census of Population and Housing [2000 SF3]  
Prepared for DESE by: Office of Social and Economic Data Analysis (OSED)  
Map Generated on 5.21.2003

## Percent Change in Total Population by School District, 1990 - 2000



Source: USDC, Bureau of the Census, Census of Population and Housing [1990 STF3, 2000 SF3]  
Prepared for DESE by: Office of Social and Economic Data Analysis (OSED)  
Map Generated on 5.21.2003

## Enrollment by Locale of District, 2004-2005 School Year

District Locale	Enrollment 2005	Percent Distribution	Percent Change 2000-2005
Large City Metro (> 250k)	108,075	12.1%	-6.6%
Mid-Size City Metro (<250 k)	64,695	7.3%	-2.0%
Urban Fringe Large City	307,600	34.5%	2.9%
Urban Fringe Mid-Size City	34,353	3.9%	11.6%
Large Town (> 25k)	12,951	1.5%	-1.7%
Small Town (<25k)	138,076	15.5%	-4.8%
Rural Metro	87,769	9.8%	1.6%
Rural Non-Metro	138,582	15.5%	-0.7%
<b>Total Missouri</b>	<b>892,101</b>	<b>100.0%</b>	<b>-0.4%</b>

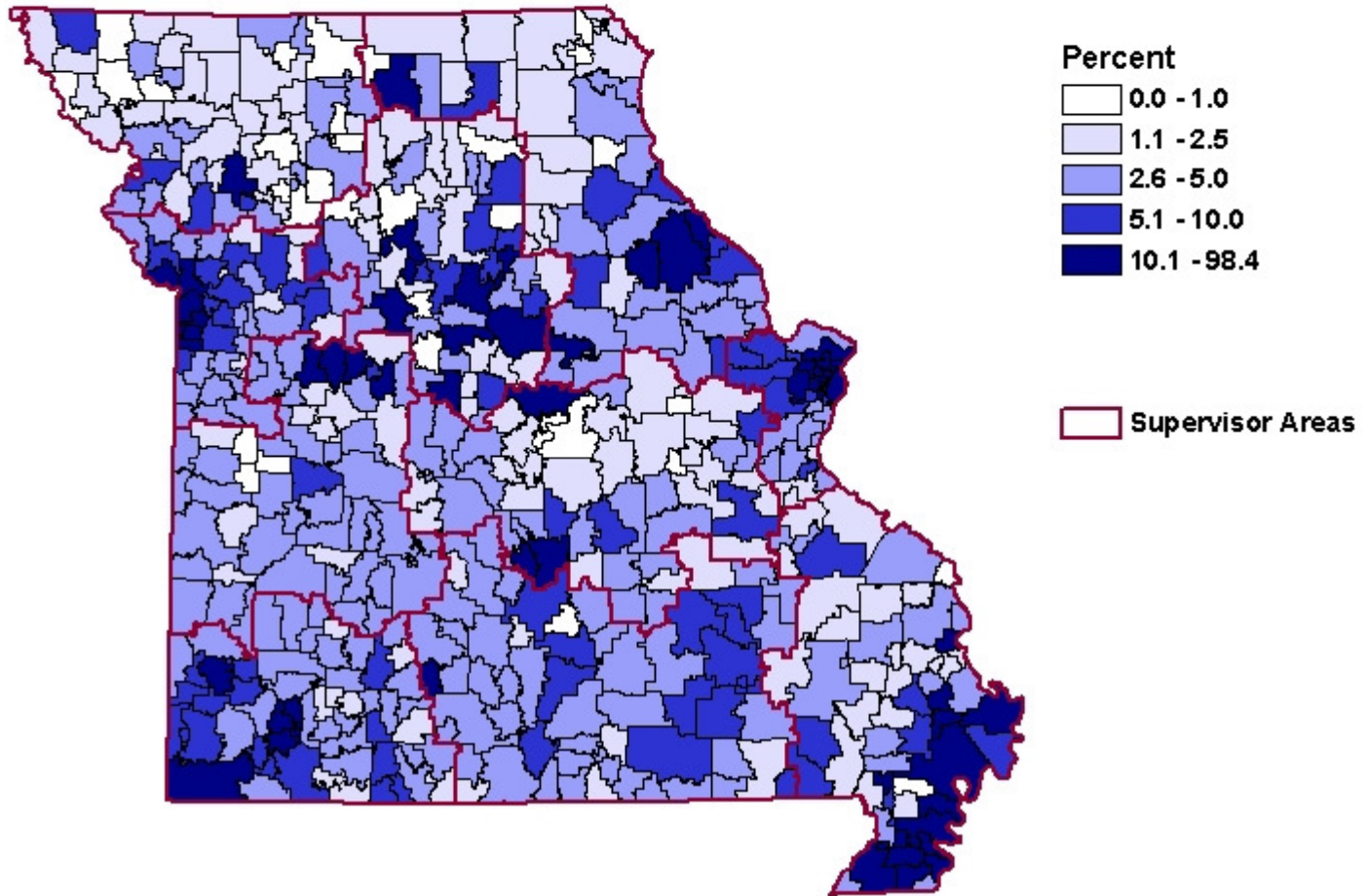
*Missouri African  
American Enrollment  
2004-2005 by  
Locale*

<b>District Locale</b>	<b>African American</b>	<b>Percent of Total</b>	<b>Pct Enroll 2005</b>	<b>Pct Enroll 2000</b>	<b>Chg 2000- 05</b>
Large City Metro	63,808	40.0%	59.0%	59.4%	-0.4%
Mid-Size City Metro	6,813	4.3%	10.5%	8.4%	2.2%
Urban Fringe Large	70,619	44.3%	23.0%	21.5%	1.4%
Urban Fringe Mid	489	0.3%	1.4%	0.8%	0.6%
Large Town (> 25k)	2,516	1.6%	19.4%	15.0%	4.4%
Small Town (<25k)	10,827	6.8%	7.8%	7.4%	0.4%
Rural Metro	2,247	1.4%	2.6%	1.6%	0.9%
Rural Non-Metro	2,107	1.3%	1.5%	1.3%	0.2%
<b>Total Missouri</b>	<b>159,426</b>	<b>100.0%</b>	<b>17.9%</b>	<b>17.3%</b>	<b>0.6%</b>

# American Community Survey 2003 Race Comparison

	<b>US</b>	<b>Missouri</b>
White	76.16%	84.96%
Black or African American	12.13%	11.30%
Hispanic or Latino (of any race)	13.85%	2.27%
American Indian and Alaska Native	0.77%	0.44%
Asian	4.15%	1.35%

## Percent Minority Population by School District, 2000



Source: USDC, Bureau of the Census, Census of Population and Housing [2000 SF3]  
Prepared for DESE by: Office of Social and Economic Data Analysis (OSED)  
Map Generated on 5.21.2003



*Missouri Hispanic  
Enrollment by  
District Locale  
2004-2005*

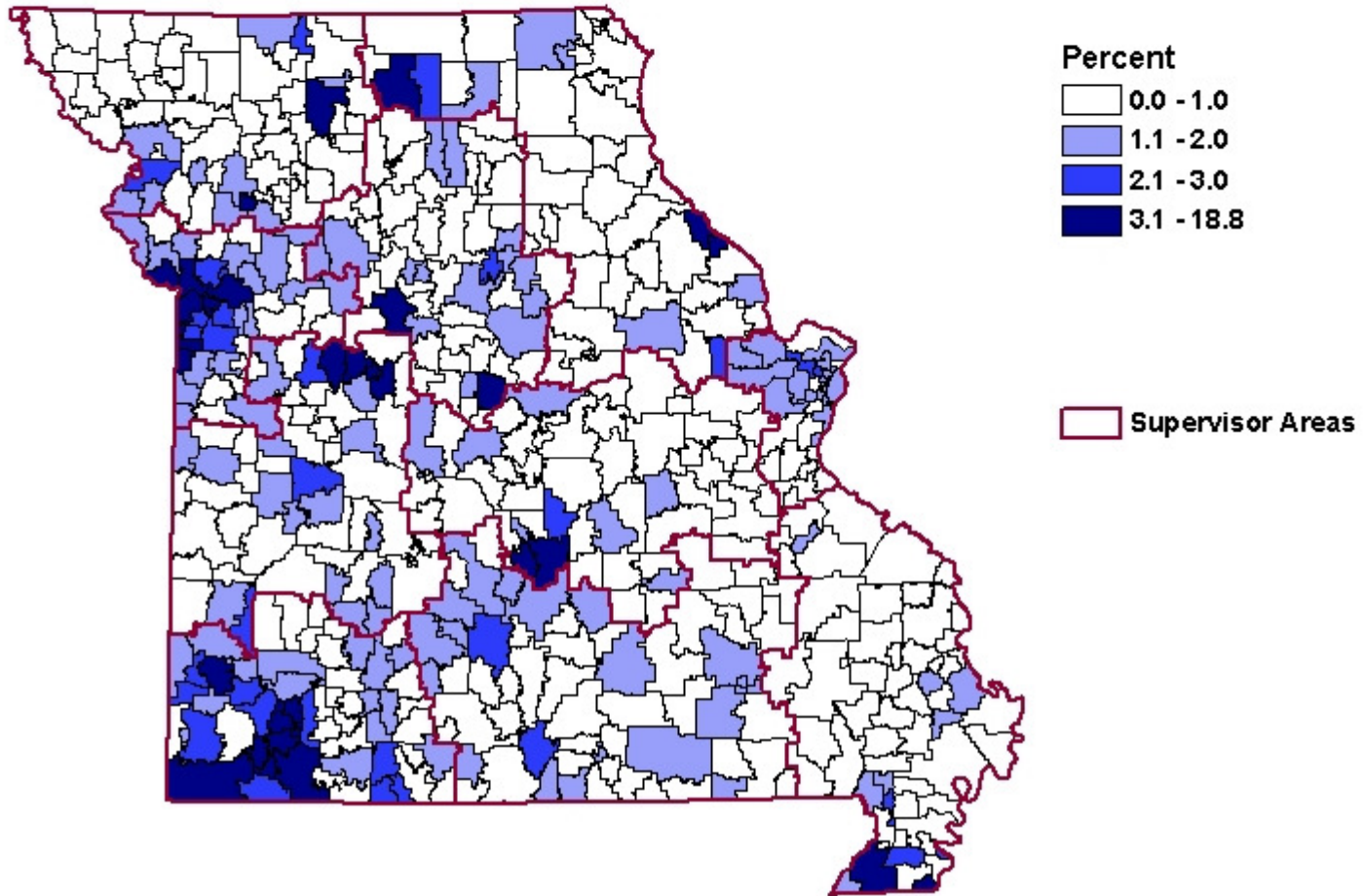
<b>District Locale</b>	<b>Hispanic</b>	<b>Percent of Total</b>	<b>Pct Enroll 2005</b>	<b>Pct Enroll 2000</b>	<b>Chg 2000- 05</b>
Large City Metro	8,021	31.9%	7.4%	3.9%	3.5%
Mid-Size City Metro	2,063	8.2%	3.2%	1.9%	1.2%
Urban Fringe Large	6,327	25.2%	2.1%	1.1%	0.9%
Urban Fringe Mid	1,367	5.4%	4.0%	2.0%	2.0%
Large Town (> 25k)	279	1.1%	2.2%	1.1%	1.0%
Small Town (<25k)	3,174	12.6%	2.3%	1.3%	1.0%
Rural Metro	1,177	4.7%	1.3%	0.8%	0.6%
Rural Non-Metro	2,697	10.7%	1.9%	1.2%	0.8%
<b>Total Missouri</b>	<b>25,105</b>	<b>100.0%</b>	<b>2.8%</b>	<b>1.6%</b>	<b>1.2%</b>

# English Learners

**American Community Survey  
2003**

<b>English Learners</b>	<b>U.S</b>	<b>Missouri</b>
Speak Spanish	11.28%	1.91%
Speak English less than "very well"	5.48%	0.67%

## Percent Hispanic Population by School District, 2000

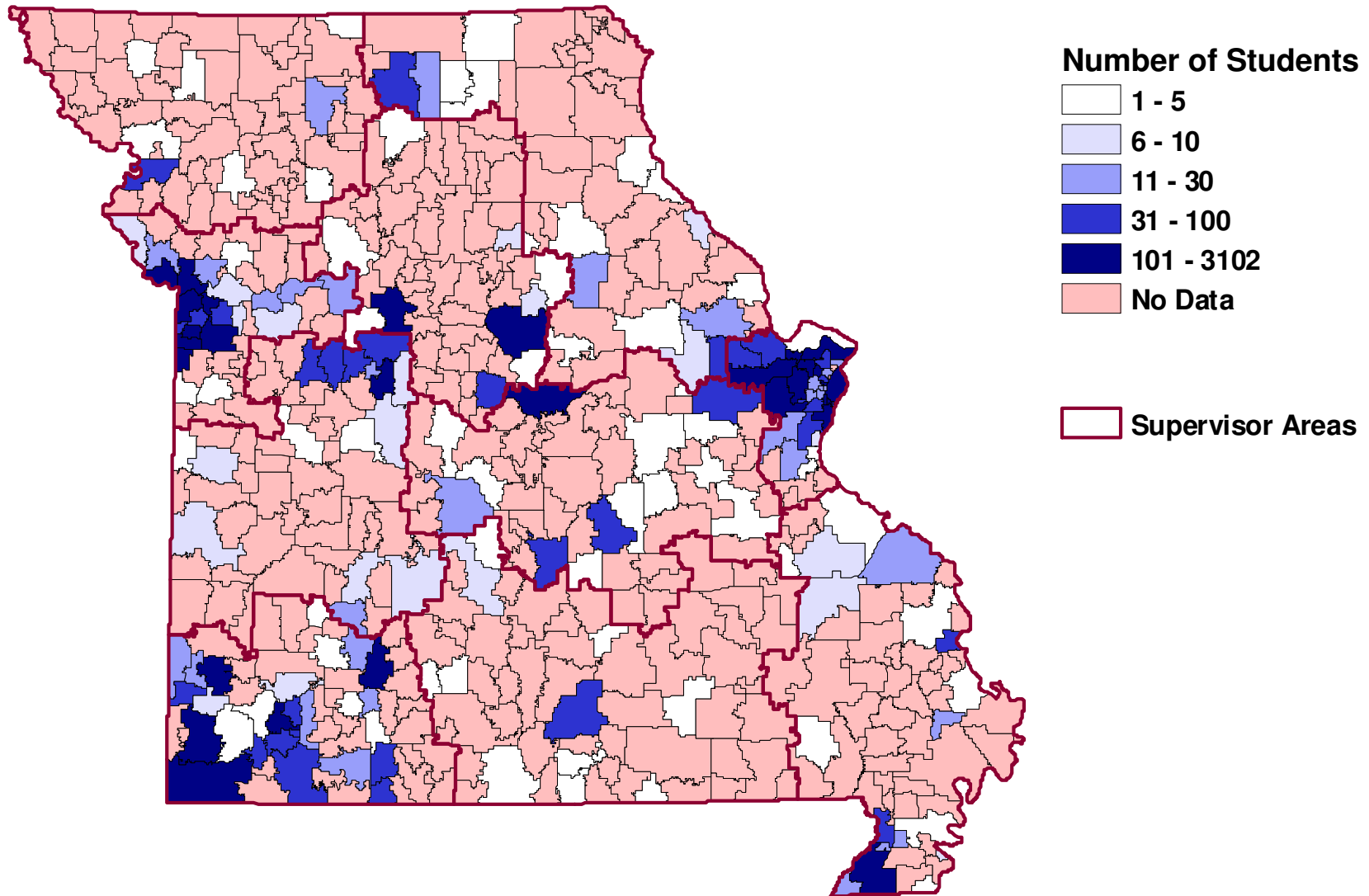


Source: USDC, Bureau of the Census, Census of Population and Housing [2000 SF3]  
Prepared for DESE by: Office of Social and Economic Data Analysis (OSED)  
Map Generated on 5.21.2003

# Missouri Increased “Limited English Proficiency” between 2000-2003

- Statewide from 8,567 to 14,855
- Jackson County – 1,523 to 3,878
- St. Louis County – 1,412 to 2,722
- St. Louis City – 2,675 to 2,768

# Number of Students with Limited English Proficiency by School District, 2003-2004 School Year

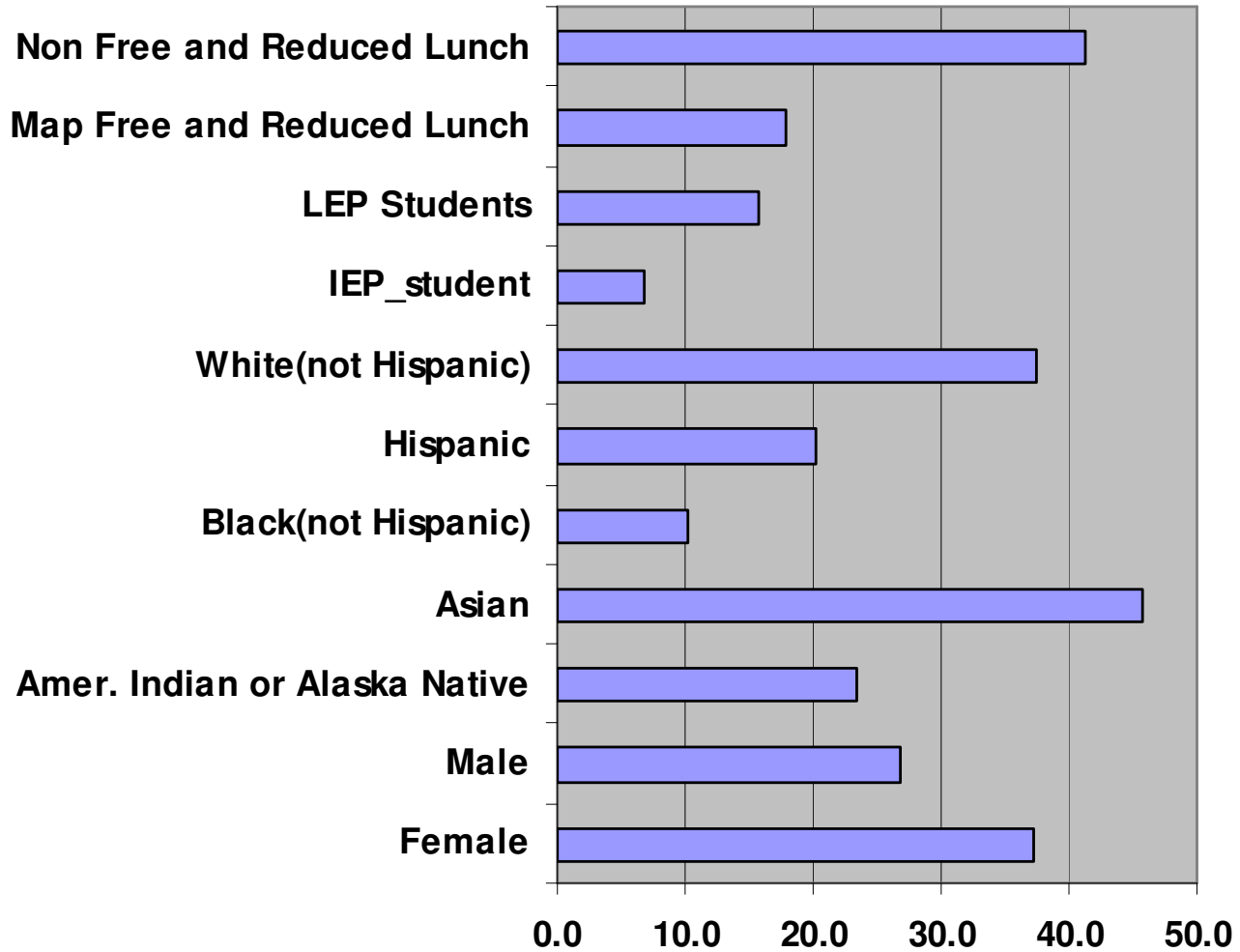


Source: Department of Elementary and Secondary Education, 2003-2004  
Prepared for DESE by: Office of Social and Economic Data Analysis (OSEDA)  
Map Generated on 4.19.2005

# Factors Impacting Learning



**Achievement Differences  
Communications Arts 7th Grade, 2004  
Percent Proficient and Advanced**





# Missouri Geographic Diversity

- Differing rates of growth
- Differing racial/ethnic diversity

# Family Structure Comparison

## American Community Survey 2003

<b>Family Structure</b>	U.S	Missouri
Family households (families)	67.38%	67.38%
With own children under 18 years	32.17%	30.84%
Married-couple families	50.44%	51.51%
With own children under 18 years	22.39%	21.33%
Female householder, no husband	12.57%	11.40%
With own children under 18 years	7.65%	7.13%

# Educational Attainment Comparison

**American Community Survey  
2003**

## **Educational Attainment**

	<b>U.S</b>	<b>Missouri</b>
Percent high school graduate or higher	83.6	85.4
Percent bachelor's degree or higher	26.5	24.1

# Mobility Comparison

<b>American Community Survey 2003</b>		
<b>RESIDENCE 1 YEAR AGO -- Mobility</b>	<b>U.S</b>	<b>Missouri</b>
Same House	84.94%	83.71%
Different House	15.06%	16.29%
Different County	5.13%	6.74%

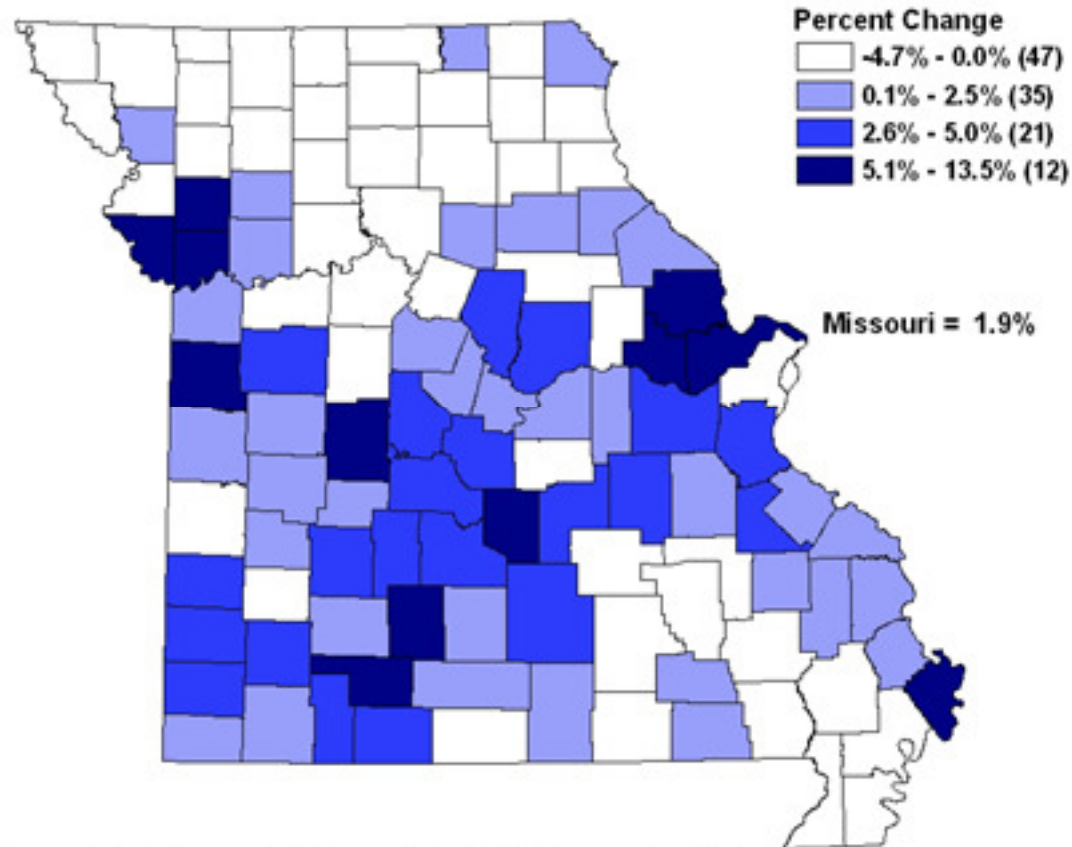
# Income Comparison

<b>American Community Survey 2003</b>		
<b>INCOME</b>	<b>U.S</b>	<b>Missouri</b>
Median household income (dollars)	43,564	40,725
Mean household income (dollars)	58,036	51,324
Median family income (dollars)	52,273	49,441
Mean family income (dollars)	66,920	60,011
Per capita income (dollars)	23,110	21,473

# Poverty Rate Comparison

<b>American Community Survey 2003</b>		
<b>PERCENT in POVERTY IN THE PAST YEAR</b>		
	<b>U.S</b>	<b>Missouri</b>
All Persons	12.7	11.7
65 years and over	9.8	10.4
Children under 18 years	17.3	15.3
Children under 5 years	20.5	17.9

## Percent Change of the Population, by County, 2000-2003



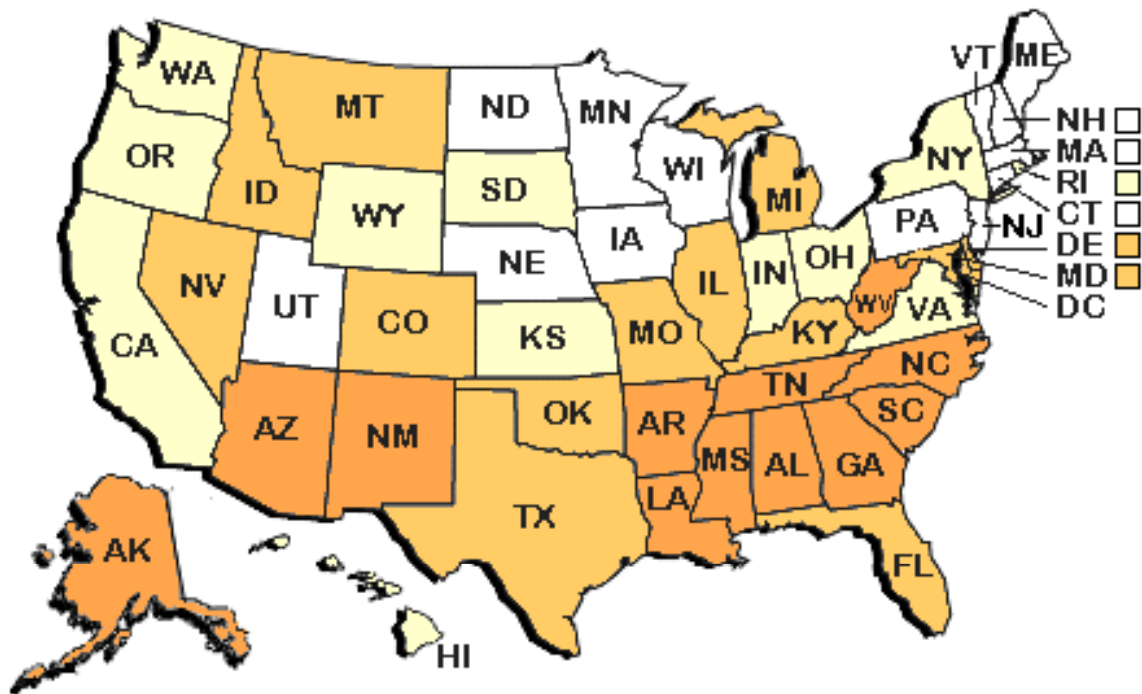
Source: USDC, Bureau of the Census, Federal State Cooperative for Population Estimates  
Prepared by: University of Missouri Extension, Office of Social and Economic Data Analysis - (OSED)

Map Generated on 04.14.2004

# 2004 Population Estimates

- Moderate growth 5.7 million up 158,000 since 2000 (2.8%)
- Balance growth
  - 88,807 Natural Increase
  - 69,128 Net Migration



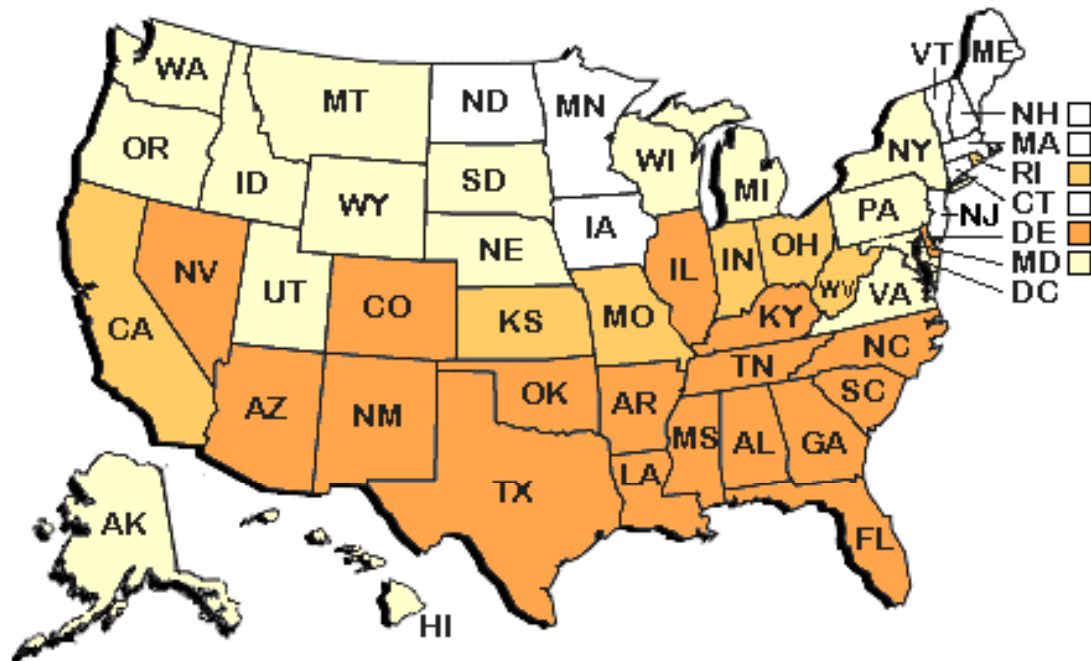


**2004 National Kids Count  
Data Book Overall Rank**

- Rank 1-13
- Rank 14-25
- Rank 26-38
- Rank 39-50

## Teen Births Rate per 1,000 Females Ages 15 to 17, 2001

2004  
National  
Kids  
Count  
Data  
Book

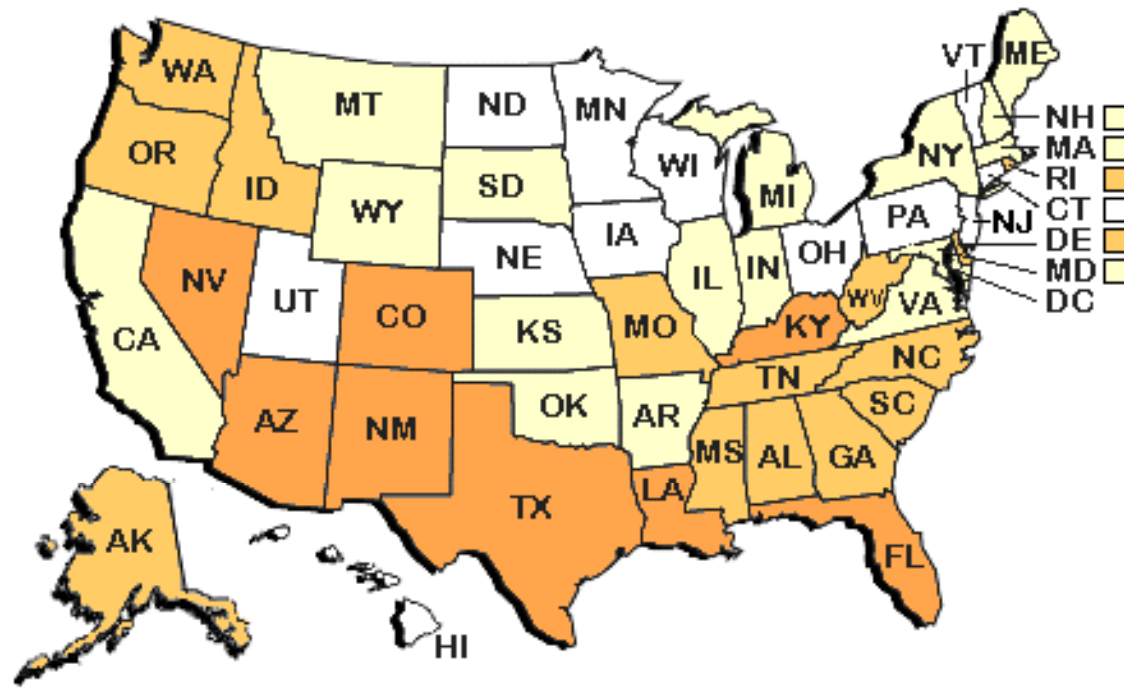


- More than 20% better than state median (17 and lower)
- Up to 20% better than state median (18 to 21)
- Up to 20% worse than state median (22 to 25)
- More than 20% worse than state median (26 and higher)

Source: Birth Statistics: 2001 data: Child Trends, Inc., *Facts at a Glance* (Washington, DC: 2003)

## Teens who are High School Dropouts (ages 16-19), 2001

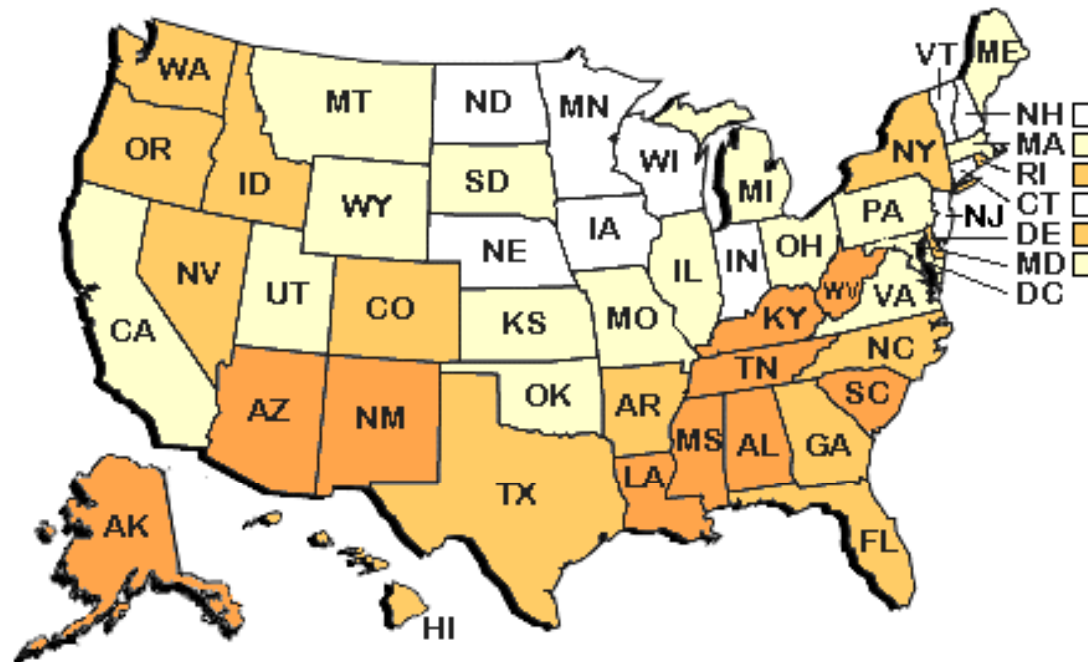
2004  
National  
Kids  
Count  
Data  
Book



- More than 20% better than state median (7 and lower)
- Up to 20% better than state median (8 to 9)
- Up to 20% worse than state median (10 to 11)
- More than 20% worse than state median (12 and higher)

# Percent of Teens Not Attending School and Not Working (ages 16-19), 2001

2004  
National  
Kids Count  
Data  
Book

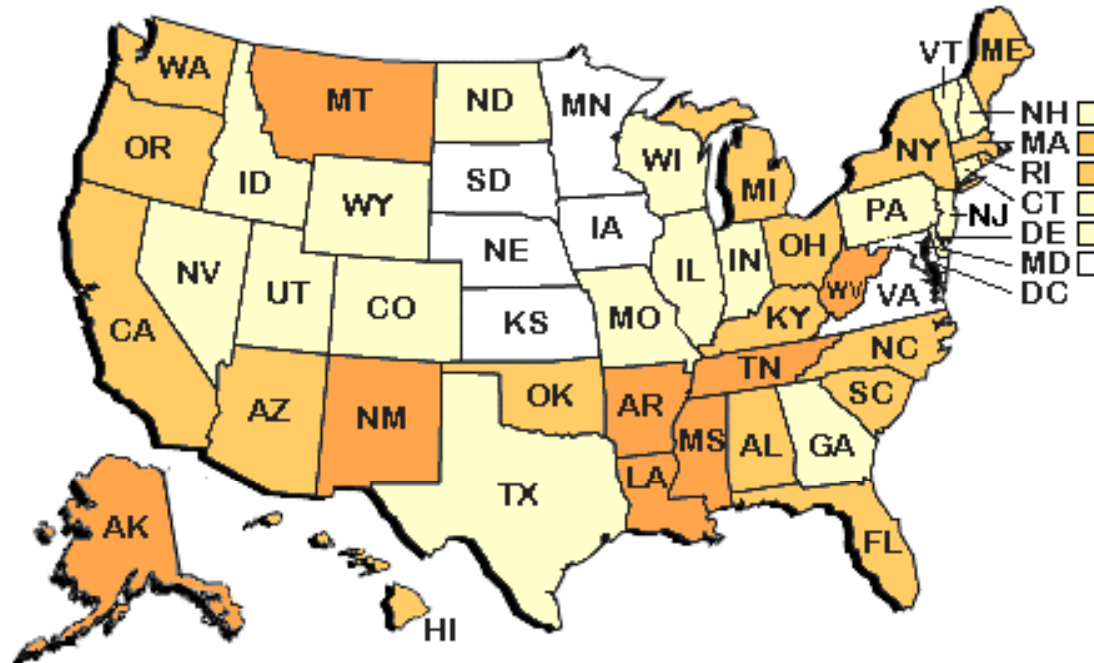


- More than 20% better than state median (6 and lower)
- Up to 20% better than state median (7 to 8)
- Up to 20% worse than state median (9 to 10)
- More than 20% worse than state median (11 and higher)

Source: U.S. Bureau of Labor Statistics, special tabulations of Current Population Survey microdata from 1995 through 2002.

## Percent of children living in families where no parent has full-time, year-round employment, 2001

**2004  
National  
Kids Count  
Data  
Book**

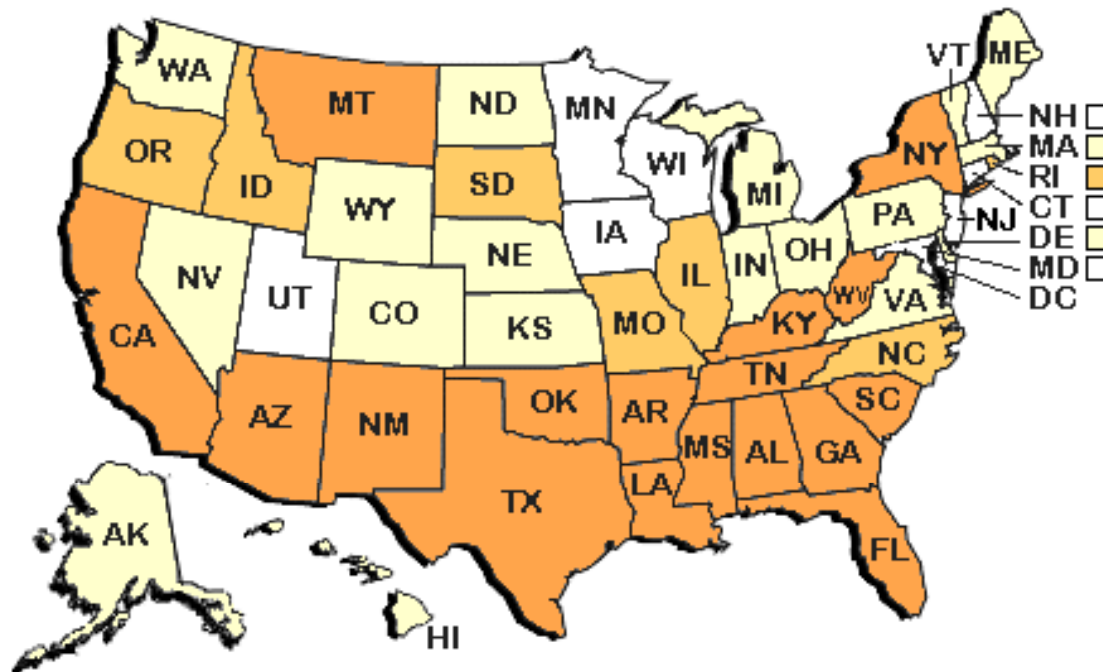


- More than 20% better than state median (19.2 and lower)
- Up to 20% better than state median (19.3 to 24.0)
- Up to 20% worse than state median (24.1 to 28.8)
- More than 20% worse than state median (28.9 and higher)

Source: Urban Studies Institute at the University of Louisville, analysis of data from the U.S. Census Bureau, Current Population Survey, Annual Demographic File, March 1996 through 2002 (including March 2001 bridge file); and Annual Social and Economic Supplement, March 2003.

## Percent of Children in Poverty, 2001

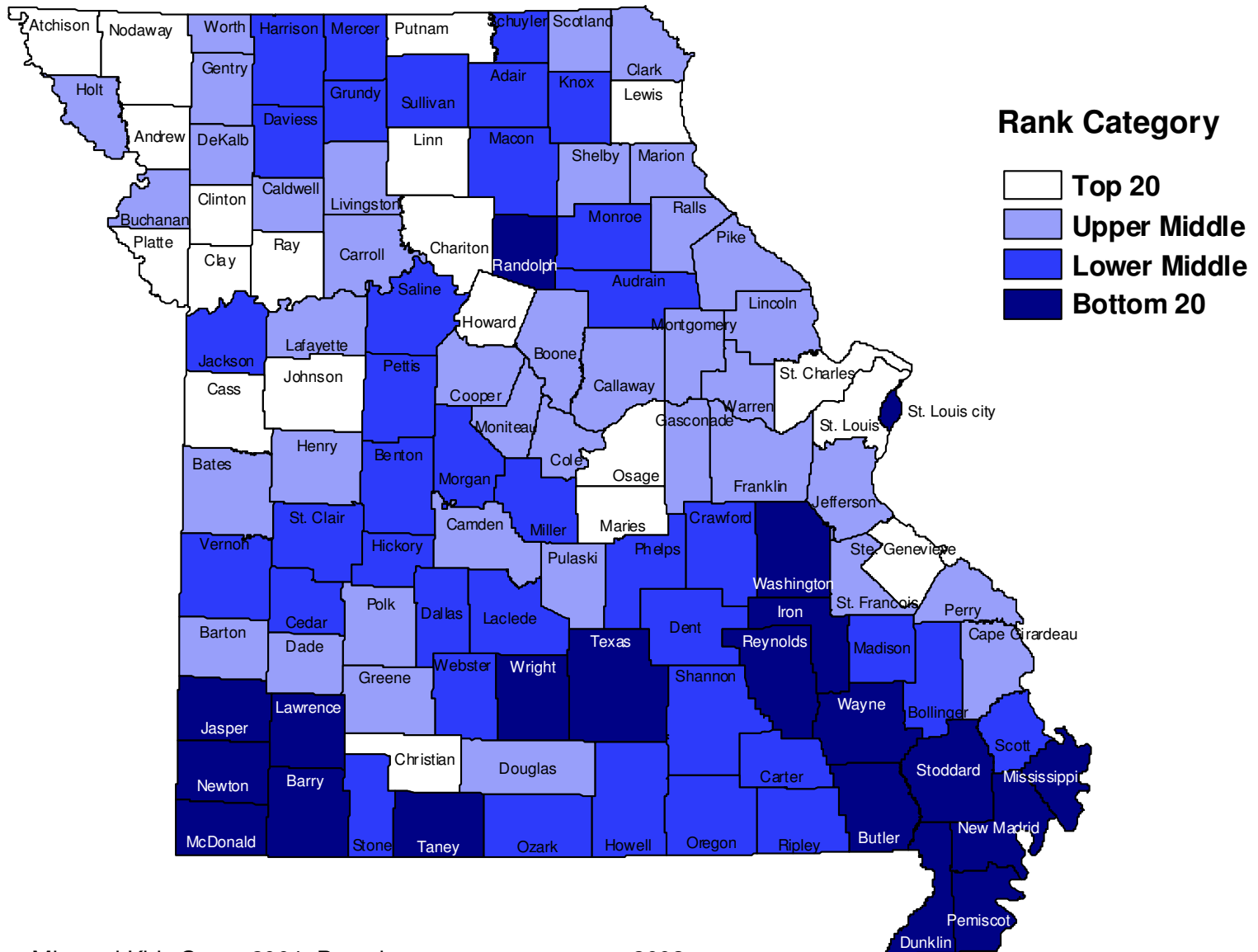
2004  
National  
Kids Count  
Data  
Book



- More than 20% better than state median (11 and lower)
- Up to 20% better than state median (12 to 14)
- Up to 20% worse than state median (15 to 17)
- More than 20% worse than state median (18 and higher)

Source: U.S. Census Bureau, Small Area Income and Poverty Estimates Program, data accessed online at [www.census.gov/hhes/www/saipe.html](http://www.census.gov/hhes/www/saipe.html) (November 20, 2003).

# Kids Count County Ranks 2004

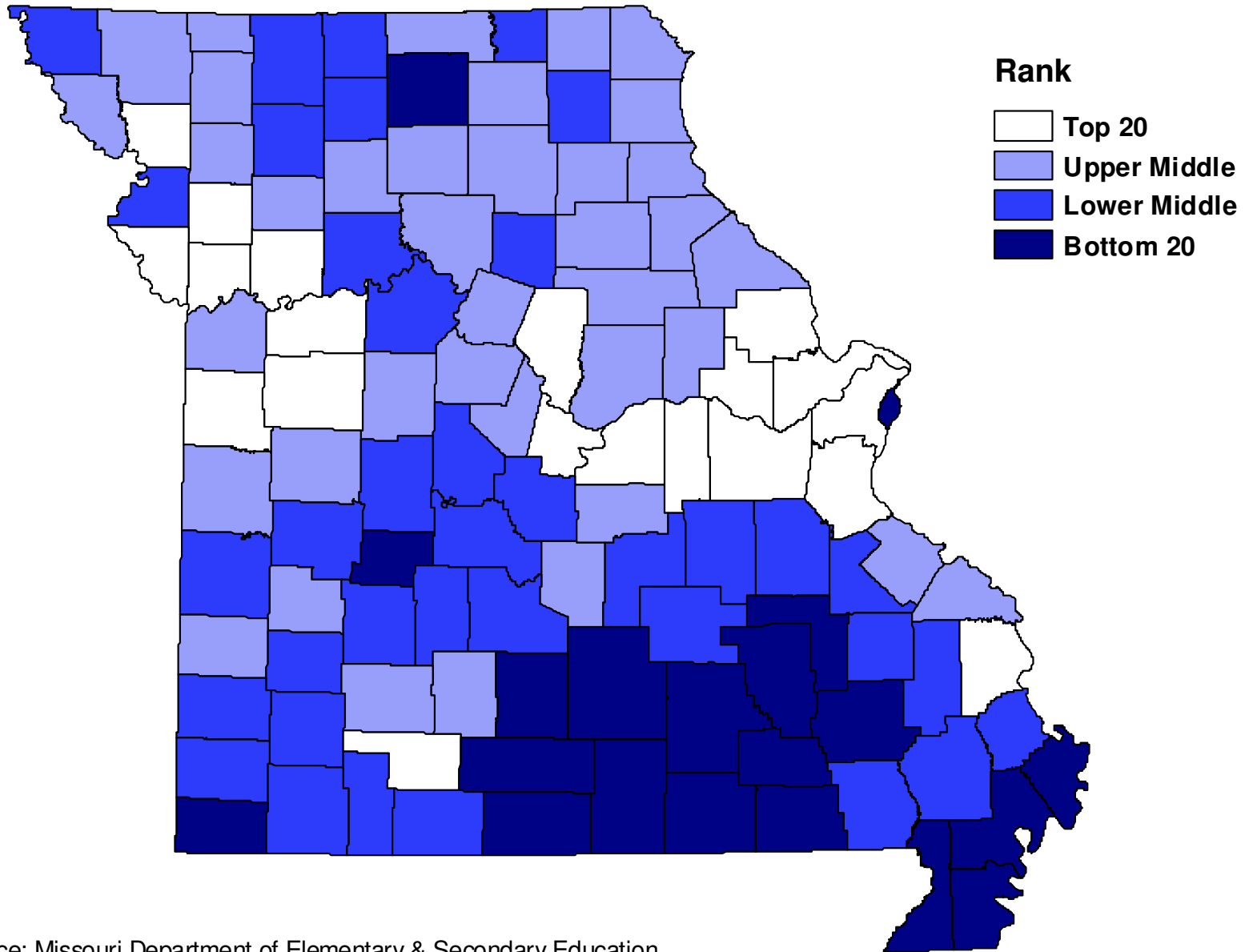


Source: Missouri Kids Count 2004 -Based on outcome measures 2003.

Prepared by: University of Missouri Extension, Office of Social and Economic Data Analysis - (SEDA)

Map Generated on 1.24.05

# Free and Reduced Lunch Rank, 2003



Source: Missouri Department of Elementary & Secondary Education.  
Prepared by: University of Missouri Extension, Office of Social and Economic Data Analysis - (OSED)

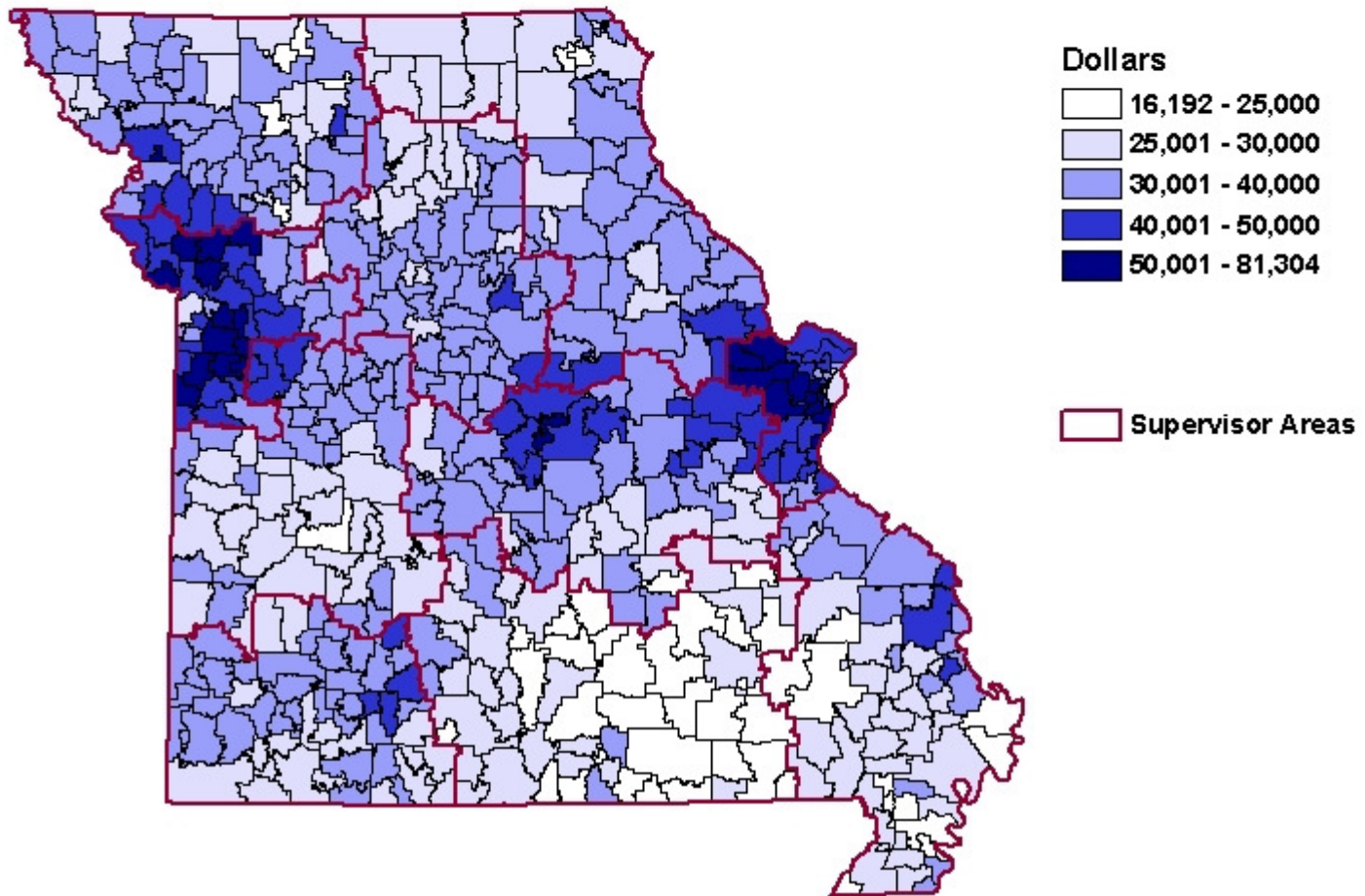
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***Missouri Free and Reduced Lunch by Locale 2005***

<b>District Locale</b>	<b>Free and Reduced Lunch 2005</b>	<b>Percent 2005</b>	<b>Percent FRL 2005</b>	<b>Percent FRL 2000</b>	<b>Chg 2000-05</b>
Large City Metro	74,222	20.4%	71.5%	62.8%	8.8%
Mid-Size City Metro	25,922	7.1%	40.8%	34.8%	6.0%
Urban Fringe Large	89,958	24.7%	30.1%	25.6%	4.5%
Urban Fringe Mid	12,651	3.5%	37.2%	29.7%	7.5%
Large Town (> 25k)	4,915	1.3%	39.7%	30.3%	9.4%
Small Town (<25k)	62,859	17.2%	46.9%	39.8%	7.1%
Rural Metro	23,079	6.3%	26.7%	21.3%	5.4%
Rural Non-Metro	70,953	19.5%	52.3%	46.4%	5.9%
<b>Total Missouri</b>	<b>364,558</b>	<b>100.0%</b>	<b>42.0%</b>	<b>36.5%</b>	<b>5.5%</b>

## Median Household Income by School District, 2000



Source: USDC, Bureau of the Census, Census of Population and Housing [2000 SF3]  
Prepared for DESE by: Office of Social and Economic Data Analysis (OSED)  
Map Generated on 5.21.2003

***Missouri Students  
with Disabilities  
(IEPs) by Locale  
2005***

<b>District Locale</b>	<b>IEP Students 2005</b>	<b>Percent of Total</b>	<b>Pct Enroll 2005</b>	<b>Pct Enroll 2000</b>	<b>Chg 2000- 05</b>
Large City Metro	21,134	13.7%	19.6%	17.7%	1.9%
Mid-Size City Metro	9,889	6.4%	15.3%	15.2%	0.1%
Urban Fringe Large	55,140	35.7%	17.9%	16.1%	1.9%
Urban Fringe Mid	5,299	3.4%	15.4%	13.2%	2.2%
Large Town (> 25k)	2,394	1.6%	18.5%	18.8%	-0.3%
Small Town (<25k)	24,389	15.8%	17.7%	16.1%	1.6%
Rural Metro	13,550	8.8%	15.4%	15.1%	0.4%
Rural Non-Metro	22,446	14.6%	16.2%	15.7%	0.5%
<b>Total Missouri</b>	<b>154,241</b>	<b>100.0%</b>	<b>17.3%</b>	<b>16.0%</b>	<b>1.3%</b>

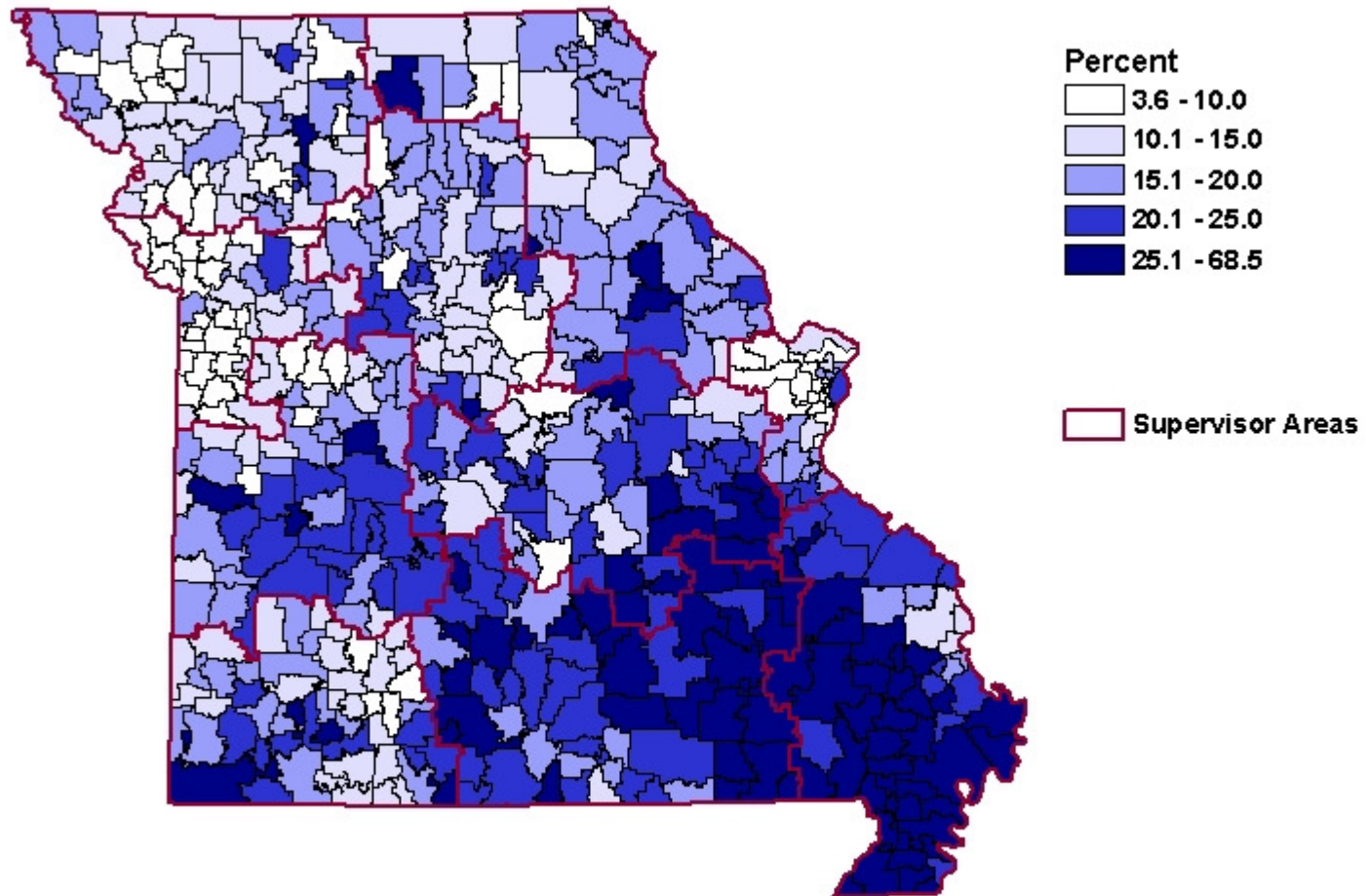
# Percent of Households with Food Stamp Participation in the past year

American Community Survey, 2003

\* shows significant annual change

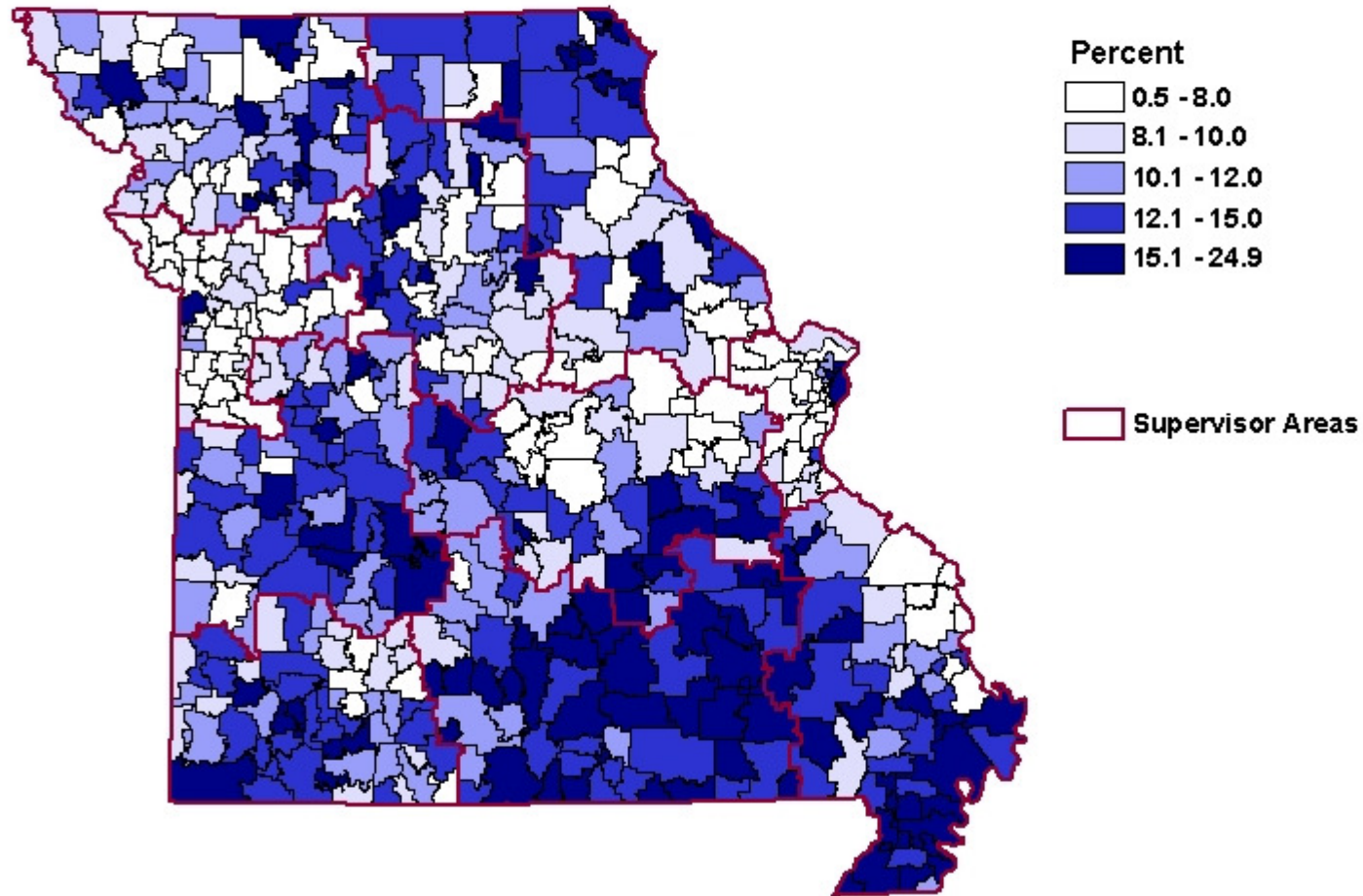
Year	2003	2002	2001	2000
US	6.72%	6.32% *	6.03% *	6.16% *
MO	7.64%	7.07%	6.98%	6.53% *

## Percent of Persons 25 Years or Older without a High School Degree by School District, 2000



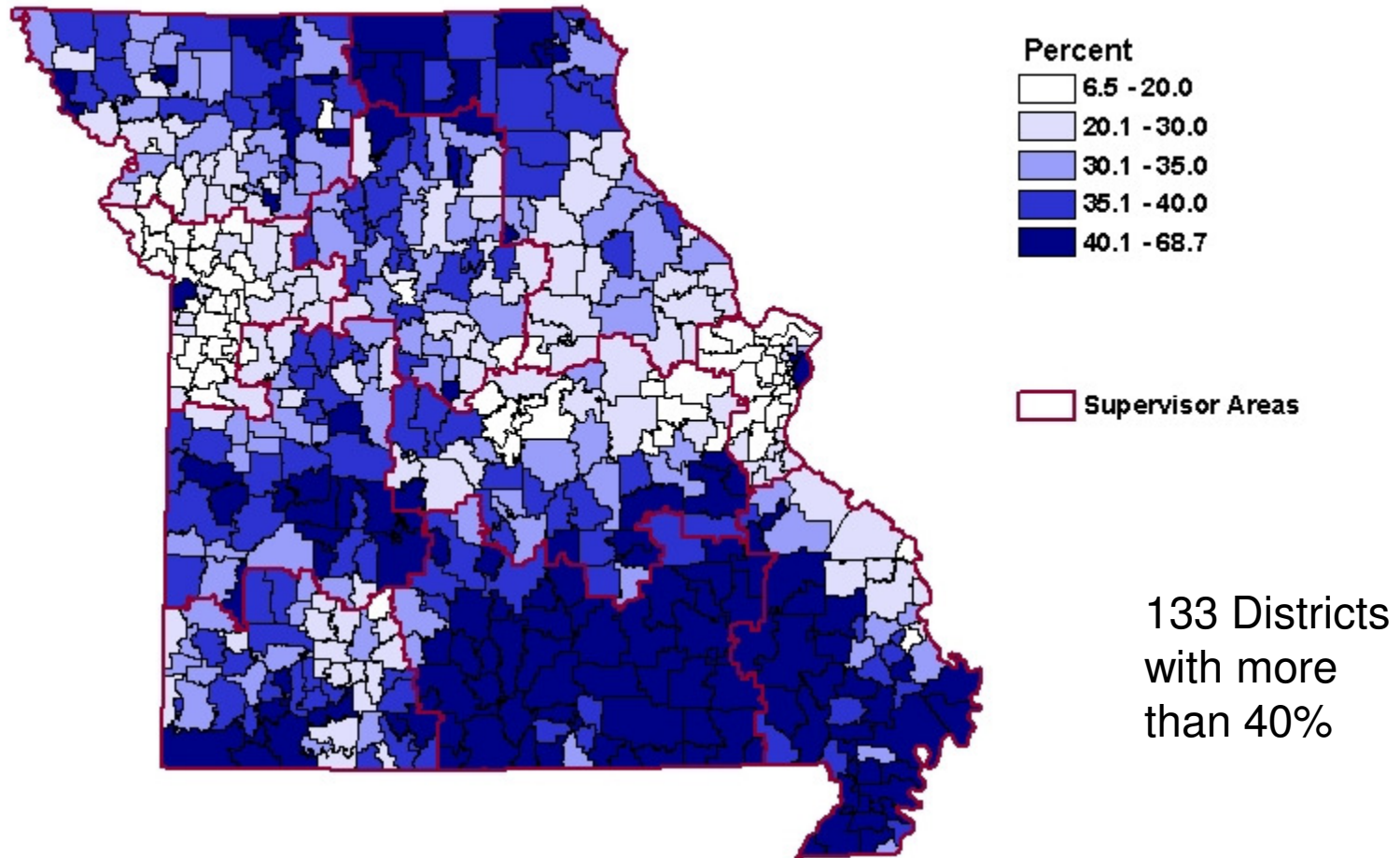
Source: USDC, Bureau of the Census, Census of Population and Housing [2000 SF3]  
Prepared for DESE by: Office of Social and Economic Data Analysis (OSEDA)  
Map Generated on 5.21.2003

## Percent of Persons Under Age 18 Living Below the Poverty Level by School District, 2000



Source: USDC, Bureau of the Census, Census of Population and Housing [2000 SF3]  
Prepared for DESE by: Office of Social and Economic Data Analysis (OSED)  
Map Generated on 7.8.2003

## Percent of Persons below 185 Percent of Poverty Level by School District, 2000



Source: USDC, Bureau of the Census, Census of Population and Housing [2000 SF3]  
Prepared for DESE by: Office of Social and Economic Data Analysis (OSEDAs)  
Map Generated on 7.8.2003