

South Dakota Demographic Trends

Dr. Weiwei Zhang

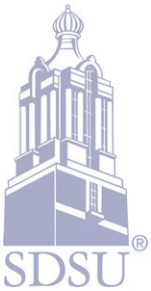
State Demographer

Director, State Data Center

Assistant Professor, Department of Sociology and Rural Studies

South Dakota State University

October, 2015



Presentation Outline

State Trend

Within-State Diverse Trend

Population count

Component change

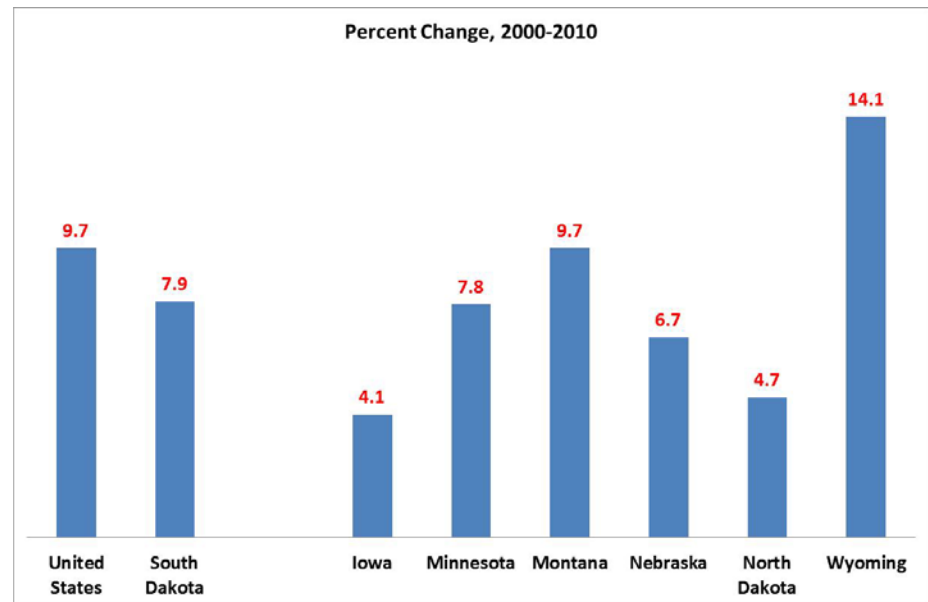
Race/ethnic composition



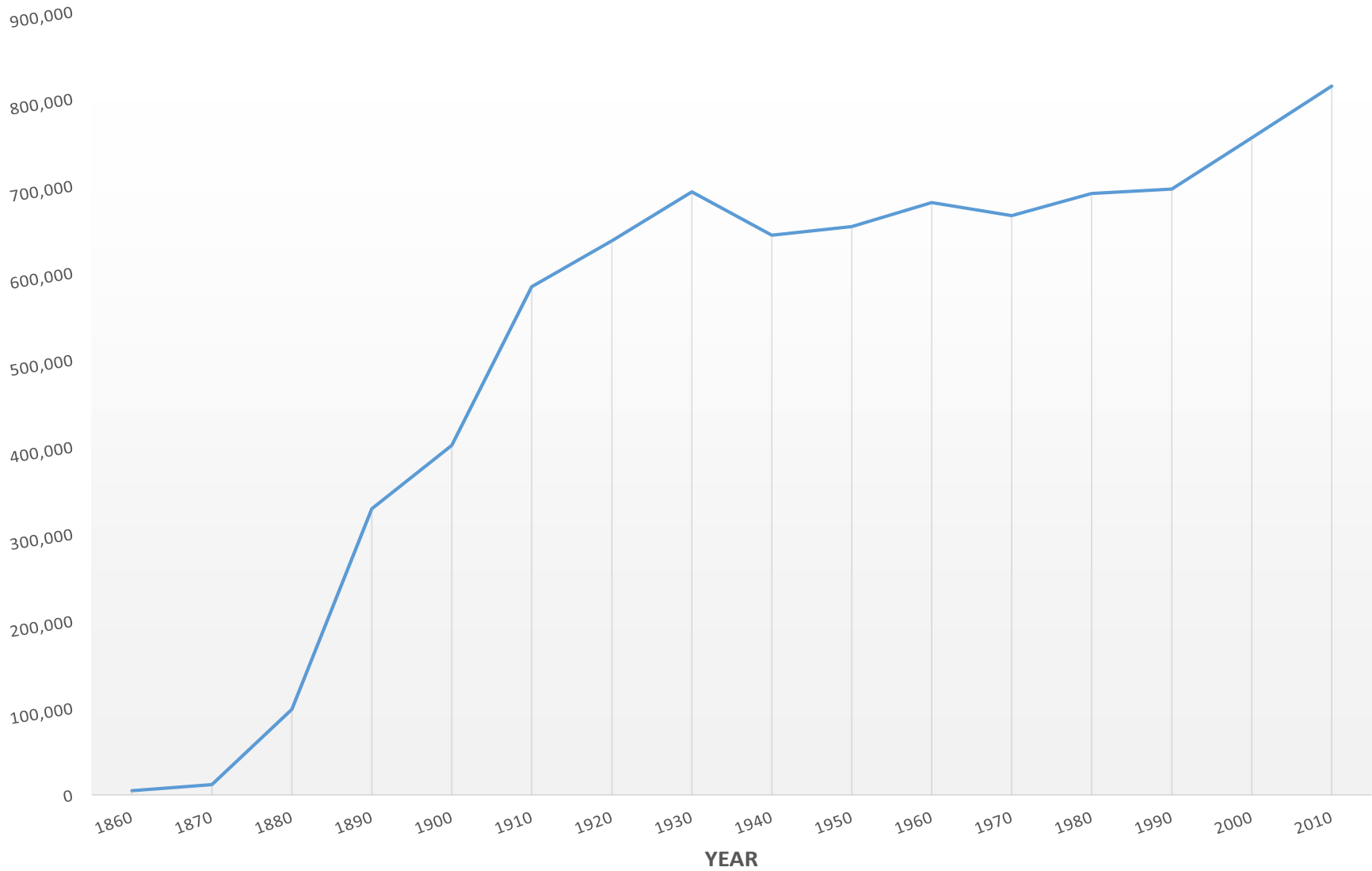
State Population Count

In 2010, South Dakota had a population count of 814,180 persons, an increase of 59,336 or 7.9 percent from the 2000 count of 754,844.

In 2014, South Dakota's population was estimated as 853,175 (an increase of 13 percent since 2000).



SOUTH DAKOTA - STATE POPULATION GROWTH FROM 1860 TO 2010



Source: U.S. Census Bureau, Historical Census

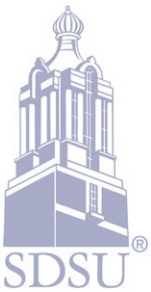
<http://www.census.gov/population/www/censusdata/PopulationofStatesandCountiesoftheUnitedStates1790-1990.pdf>

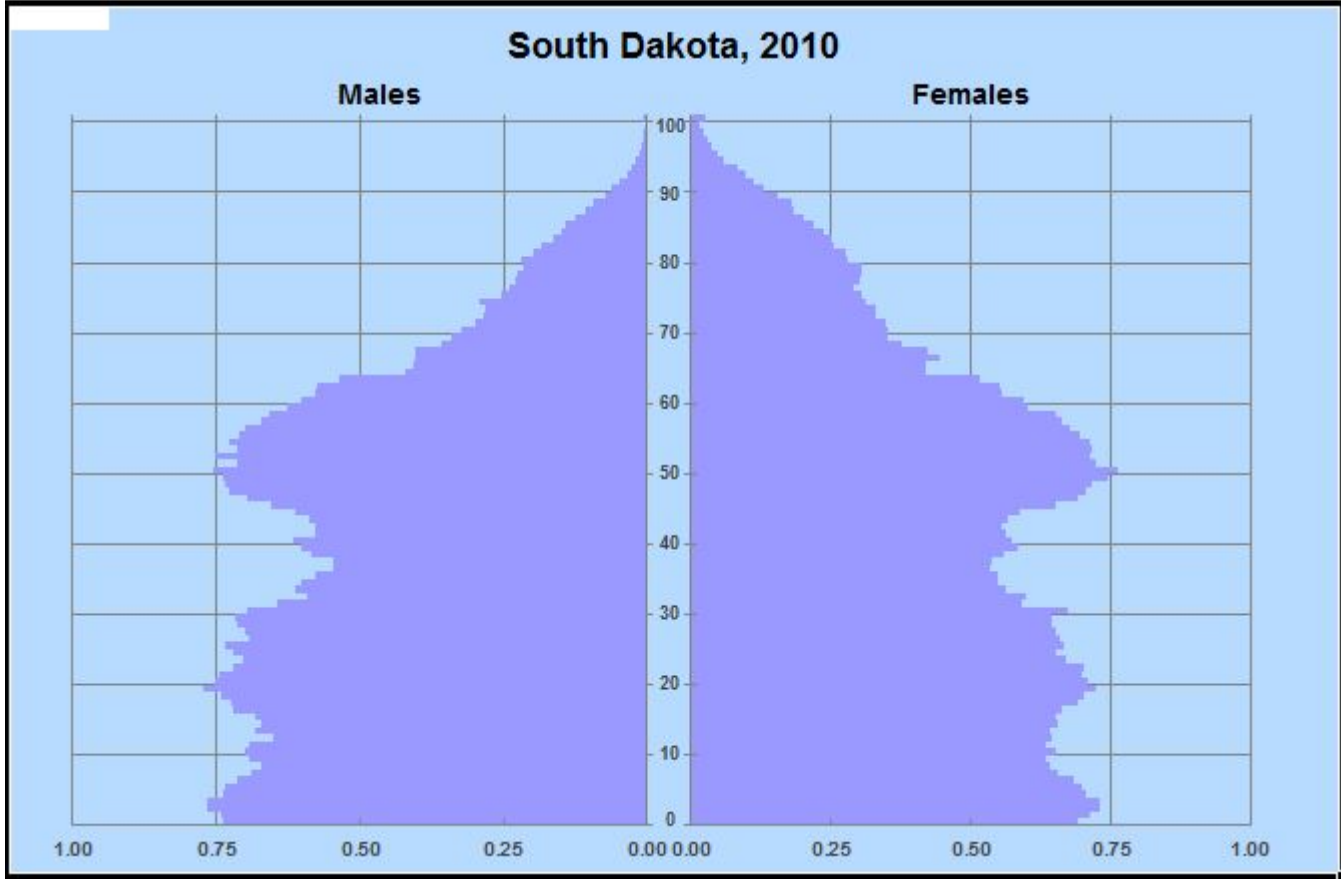
Prepared by State Data Center



Population Composition

- Age by Sex Structure: Population Pyramid
- Component Change: Natural Increase, Net Migration
- Race/Ethnic Composition: Minority Population





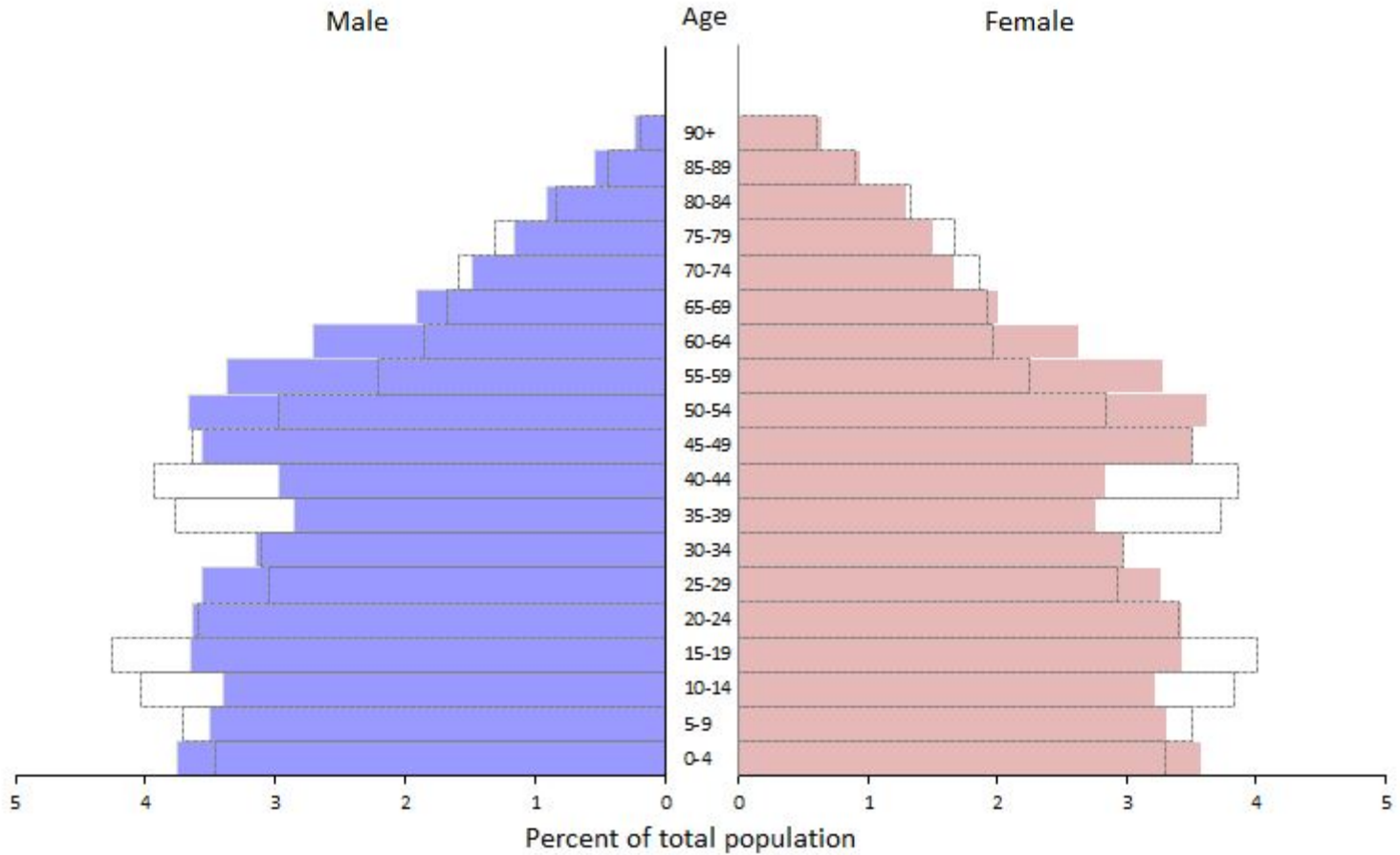
Source: U.S. Census Bureau, Sex by Age, Universe: Total Population. 2000 and 2010 Census Summary File 1
 Prepared by State Data Center



Age and Sex Structure: 2000 and 2010

2010 South Dakota

 2000 South Dakota

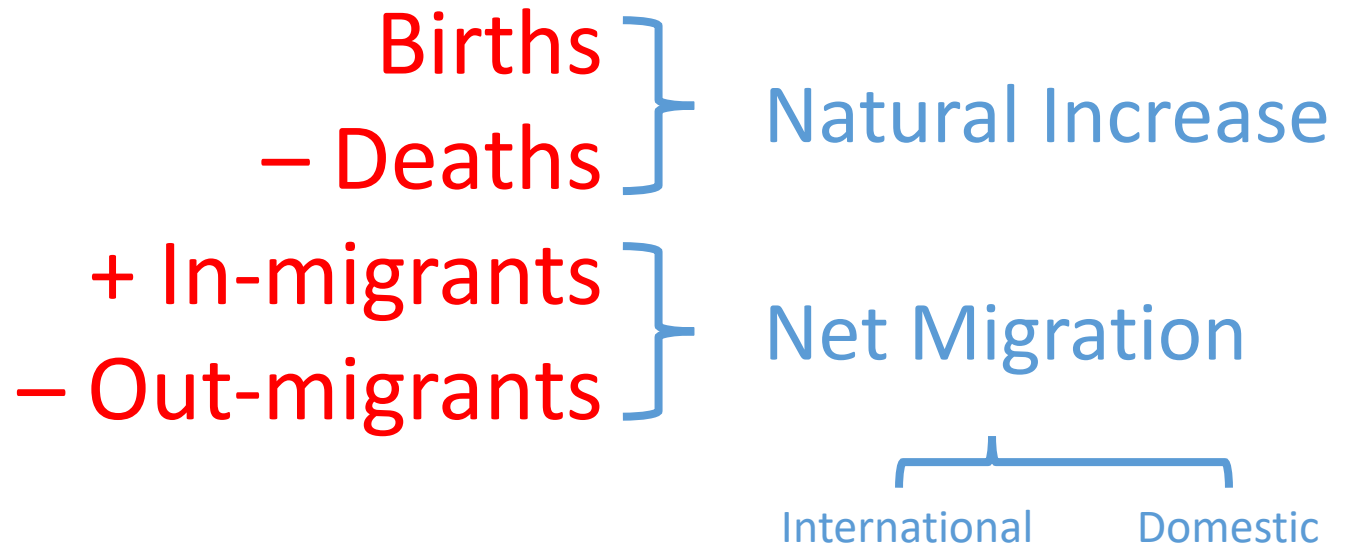


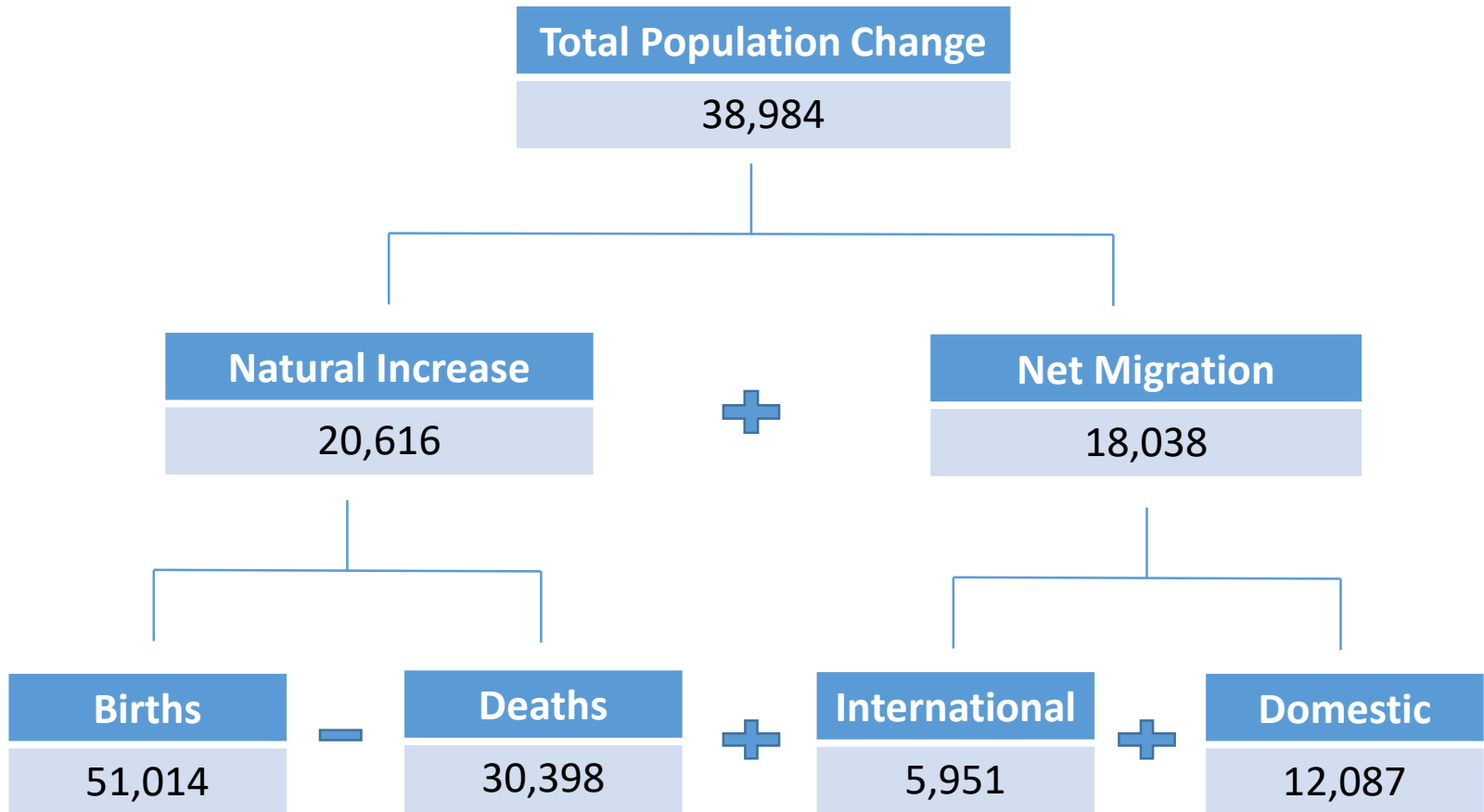
Source: U.S. Census Bureau, Age Group by Sex, Universe: Total Population. 2000 and 2010 Census Summary File 1
 Prepared by State Data Center



Decompose South Dakota Population Change Between 2010 and 2014

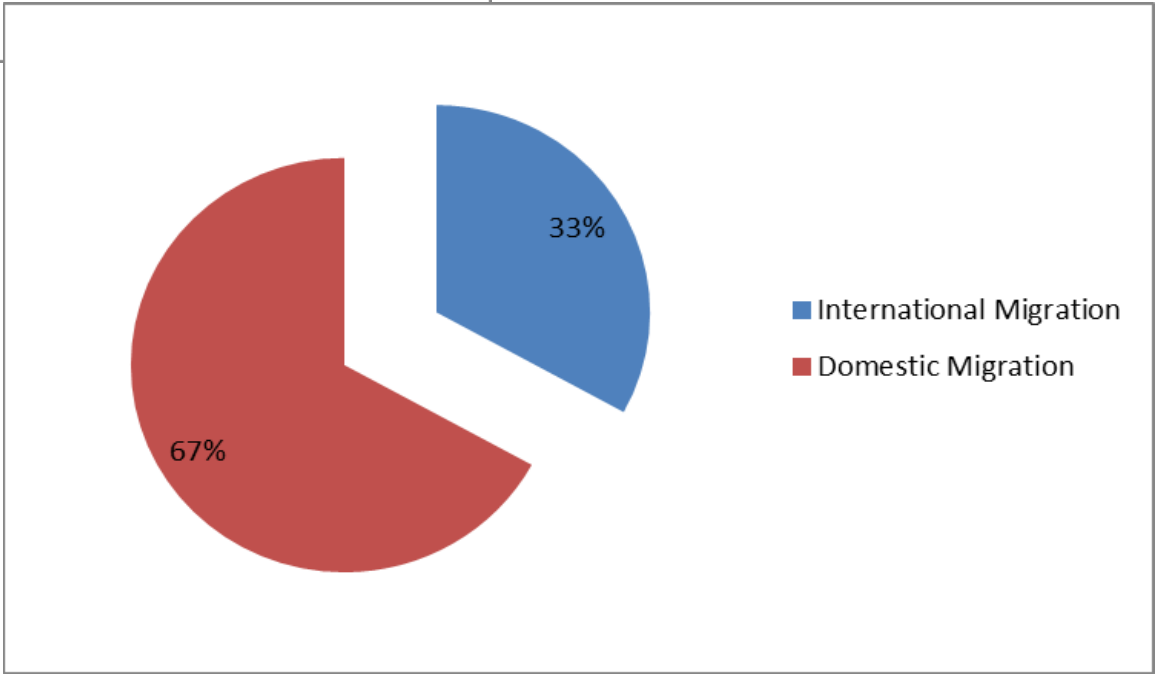
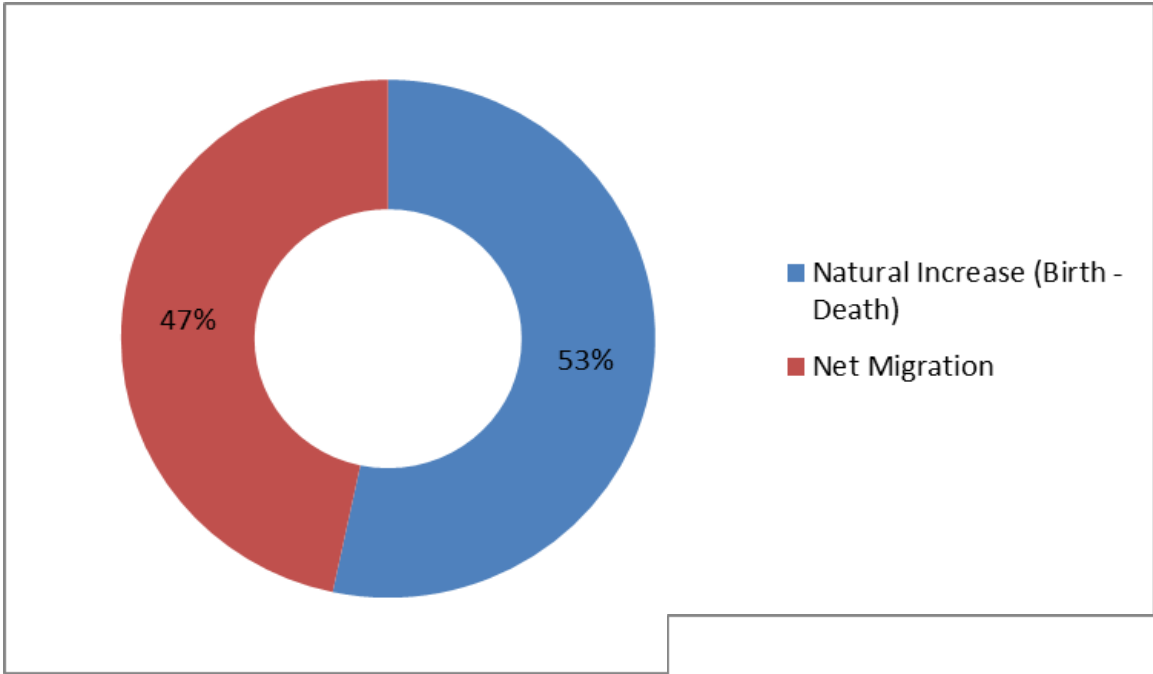
Population change =



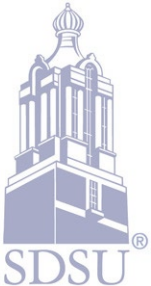


Source: U.S. Census Bureau, *Estimates of the Components of Resident Population Change: April 1, 2010 to July 1, 2014*
 Prepared by State Data Center





Source: U.S. Census Bureau, *Estimates of the Components of Resident Population Change: April 1, 2010 to July 1, 2014*
 Prepared by State Data Center



Domestic In-Migration to South Dakota

State of Residence One Year Ago	% of Domestic Migration to South Dakota
Minnesota	15%
Iowa	10%
Wyoming	8%
California	7%
North Dakota	6%
Nebraska	5%

Source: U. S. Census Bureau, 2014 one-year ACS estimates.

Universe: Population 1 year and over

Prepared by State Data Center



Race/Ethnic Composition

Growing minority populations

Growing foreign born populations



Race/Ethnicity Composition of the State Population, 2000 and 2010

Race/Ethnicity	2000	2010
White, Alone	88.7%	85.9%
Black, Alone	0.6%	1.3%
American Indian and Alaska Native, Alone	8.3%	8.8%
Asian, Alone	0.6%	0.9%
Hispanic, Alone	1.4%	2.7%

Source: U.S. Census Bureau, Decennial Census 2000 and 2010.
Prepared by State Data Center

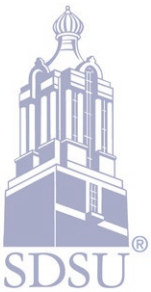


Table 1

**Growth in Hispanic Population among
10 Fastest Growing Hispanic States,
2000-2011**

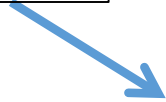
State	Population in 2000	Population in 2011	% Change, 2000-2011
Alabama	72,152	186,209	158
South Carolina	94,652	240,884	154
Tennessee	116,692	296,266	154
Kentucky	56,922	132,267	132
South Dakota	10,101	23,158	129
Arkansas	85,303	190,192	123
North Carolina	377,084	828,210	120
Mississippi	37,301	81,088	117
Maryland	230,992	488,943	112
Georgia	434,375	879,858	103

Notes: The states shown are the 10 largest by percent change in Hispanic population from 2000 to 2011. The overall U.S. Hispanic population grew 47.5% from 2000 to 2011.

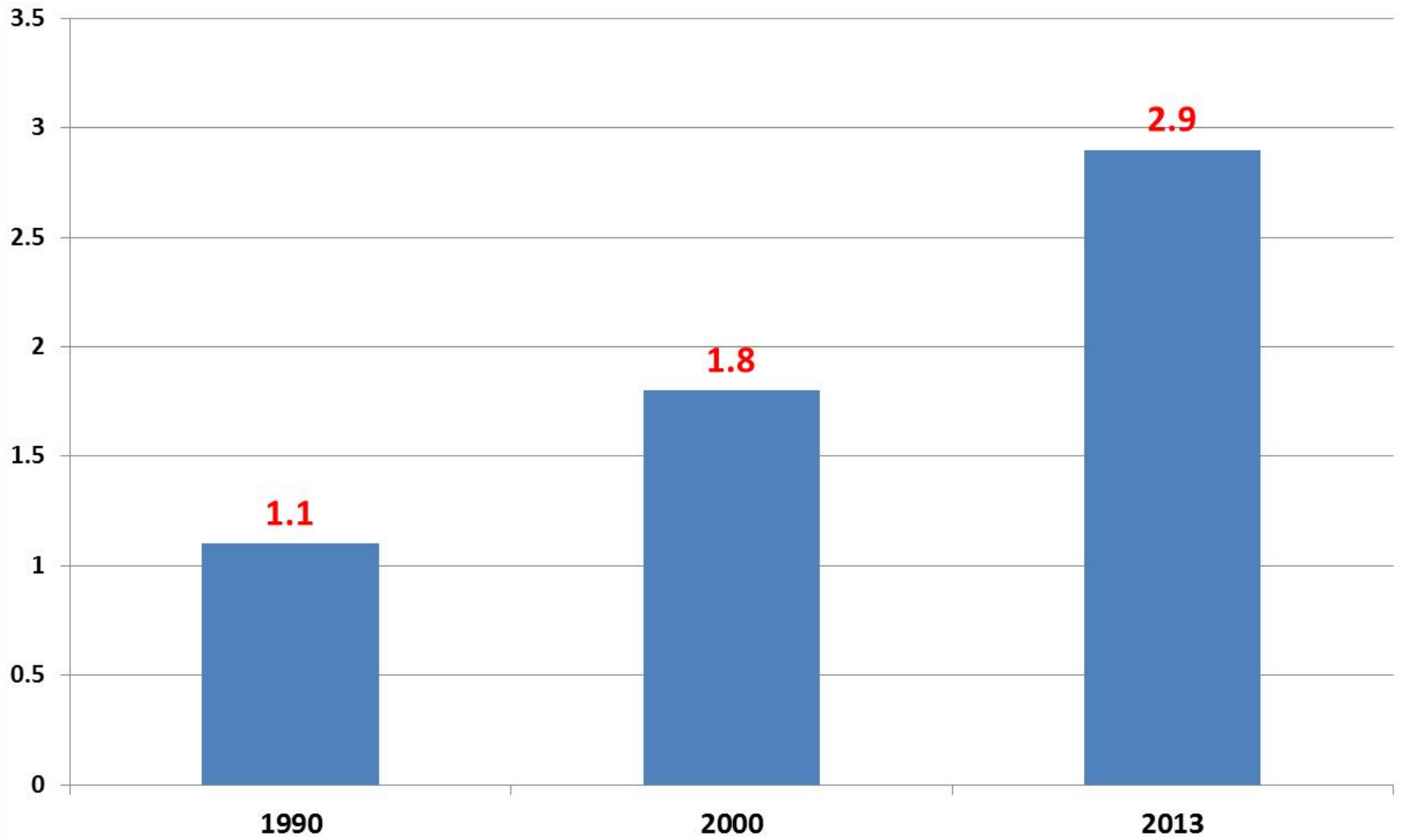
Source: Pew Research Center tabulations of the 2000 Census (5% IPUMS) and 2011 ACS (1% IPUMS)

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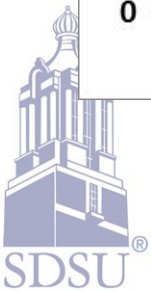
South Dakota
ranked #5



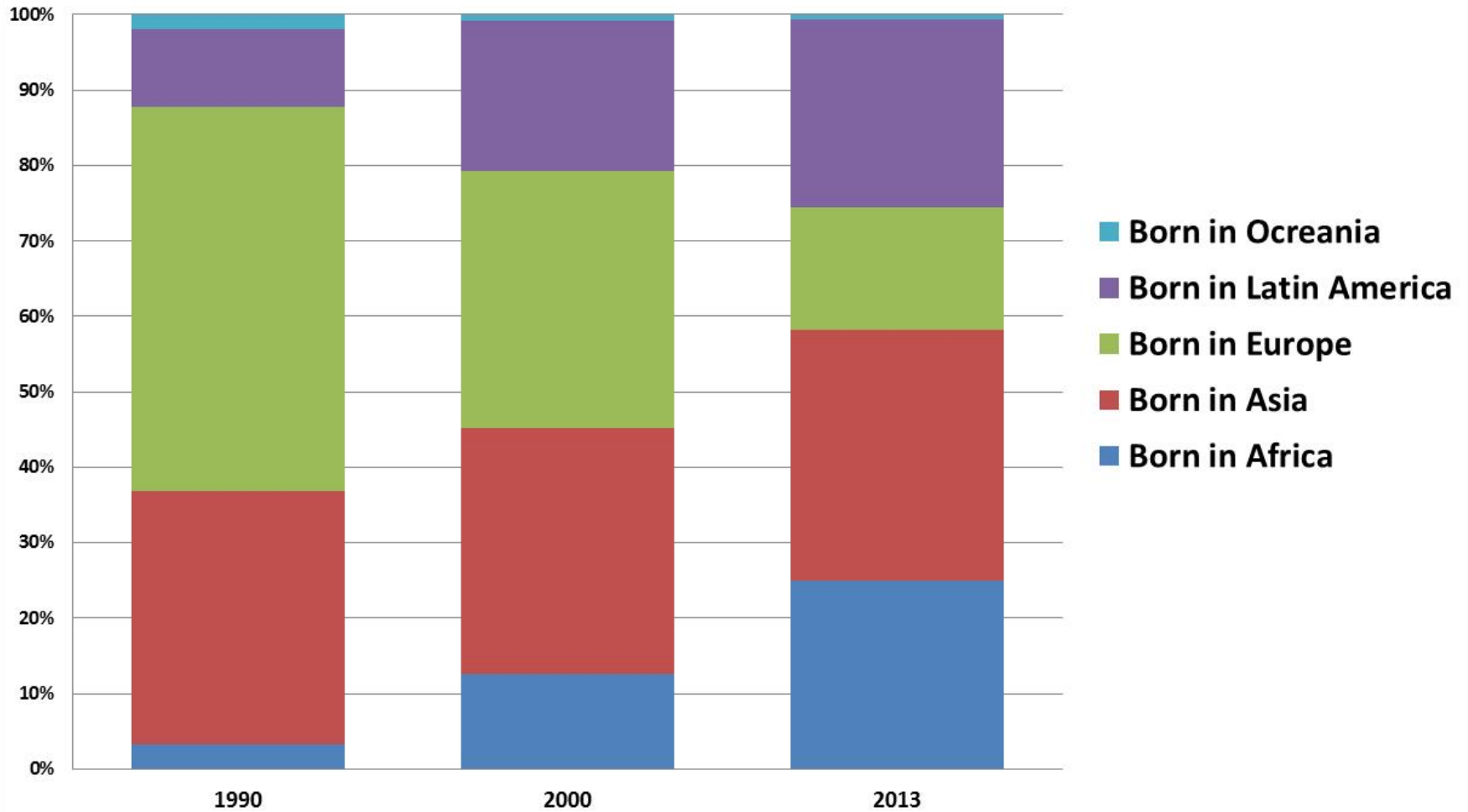
% Foreign Born of the State Population



Source: U.S. Census Bureau, 2013 one-year ACS estimates and Decennial Census 1990 and 2000.
Prepared by State Data Center



% Population by Place of Birth in the Foreign Born Population South Dakota, 1990-2013



Source: U.S. Census Bureau, 2013 one-year ACS estimates and Decennial Census 1990 and 2000.
Prepared by State Data Center

2014 South Dakota population pyramid--total

2014 South Dakota population pyramid--White

2014 South Dakota population pyramid--Black

2014 South Dakota population pyramid--American Indian

2014 South Dakota population pyramid--Asian

2014 South Dakota population pyramid--Hispanic

85 years and over
80 to 84 years
75 to 74 years
70 to 69 years
65 to 64 years
60 to 59 years
55 to 54 years
50 to 49 years
45 to 44 years
40 to 39 years
35 to 34 years
30 to 29 years
25 to 24 years
20 to 19 years
15 to 14 years
10 to 9 years
5 to 4 years
Under 5 years

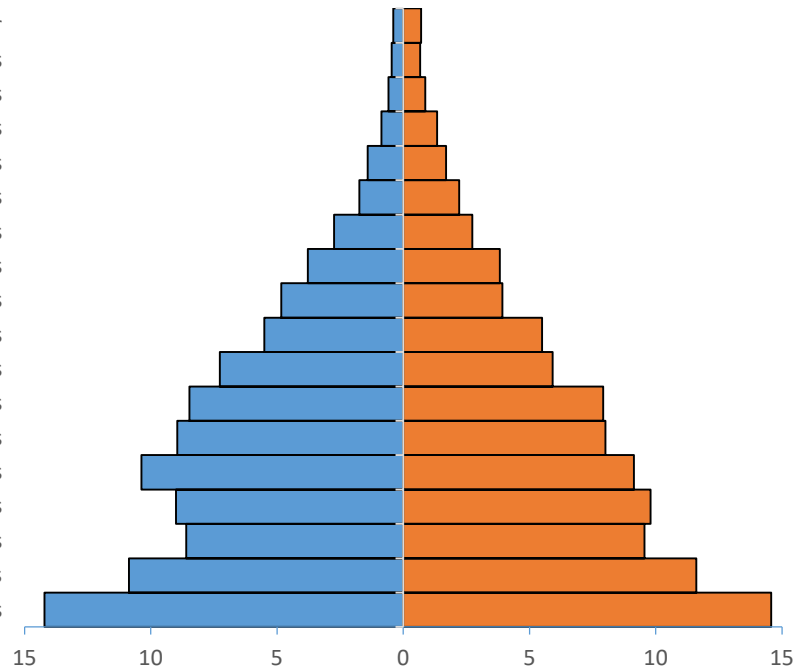
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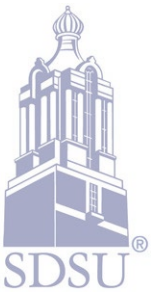
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Male
Female

Source: U.S. Census Bureau, 2014 Population Estimates.
Prepared by State Data Center

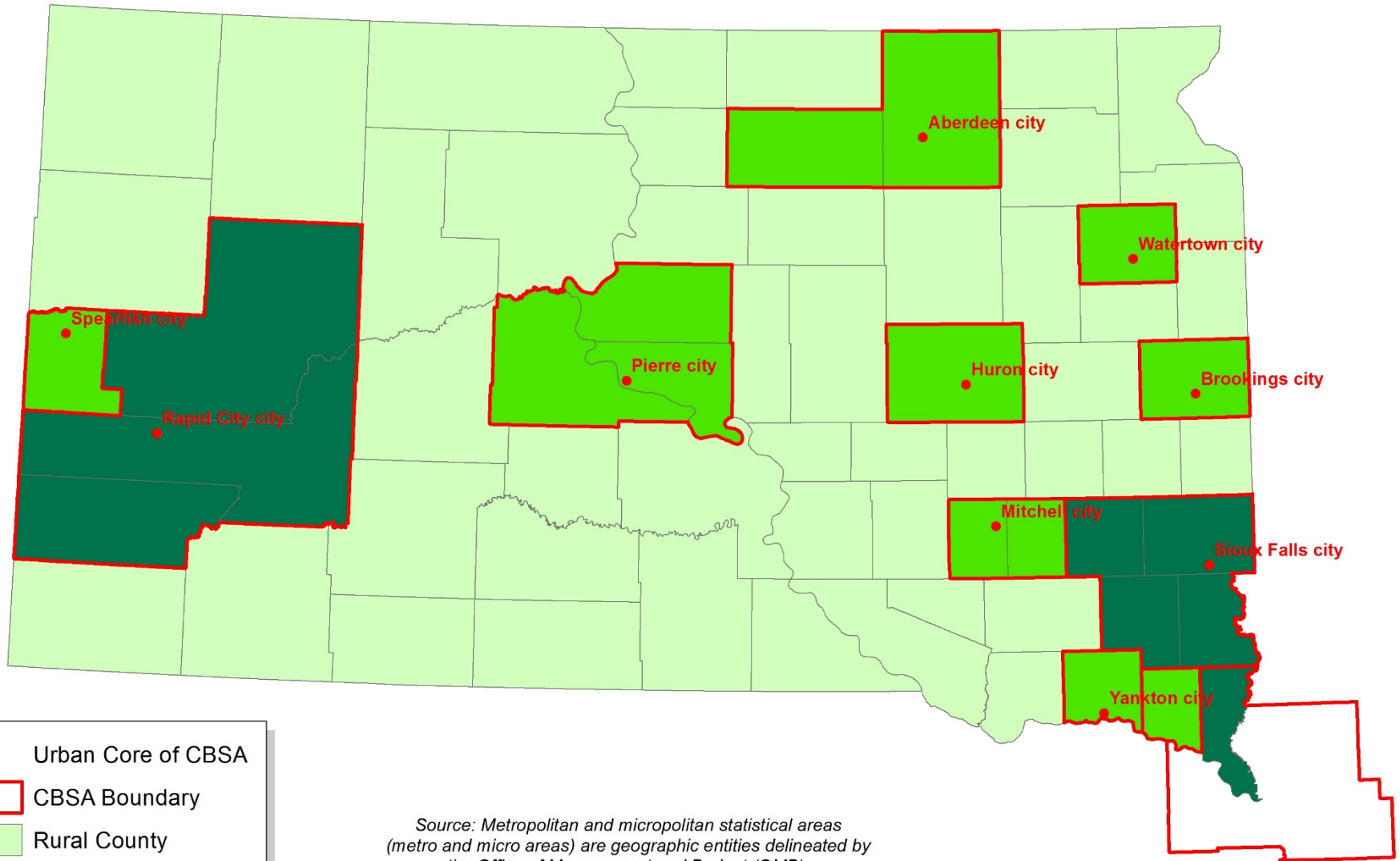


Within-State Heterogeneity

- County: N=66
- County Based Statistical Area (CBSA): metropolitan counties and micropolitan counties
- Metropolitan: Sioux Falls, SD, Rapid City, SD, and partially Sioux City, IA-NE-SD
 - contain at least one urbanized area of 50,000 population or more
 - 8 counties
- Micropolitan: Spearfish, Vermillion, Watertown, Yankton, Pierre, Aberdeen, Mitchell, Huron, Brookings
 - areas with at least one urban cluster of at least 10,000 but less than 50,000 population
 - 13 counties



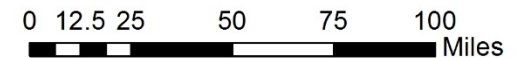
Counties in South Dakota by Metropolitan and Micropolitan Classification



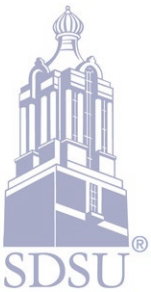
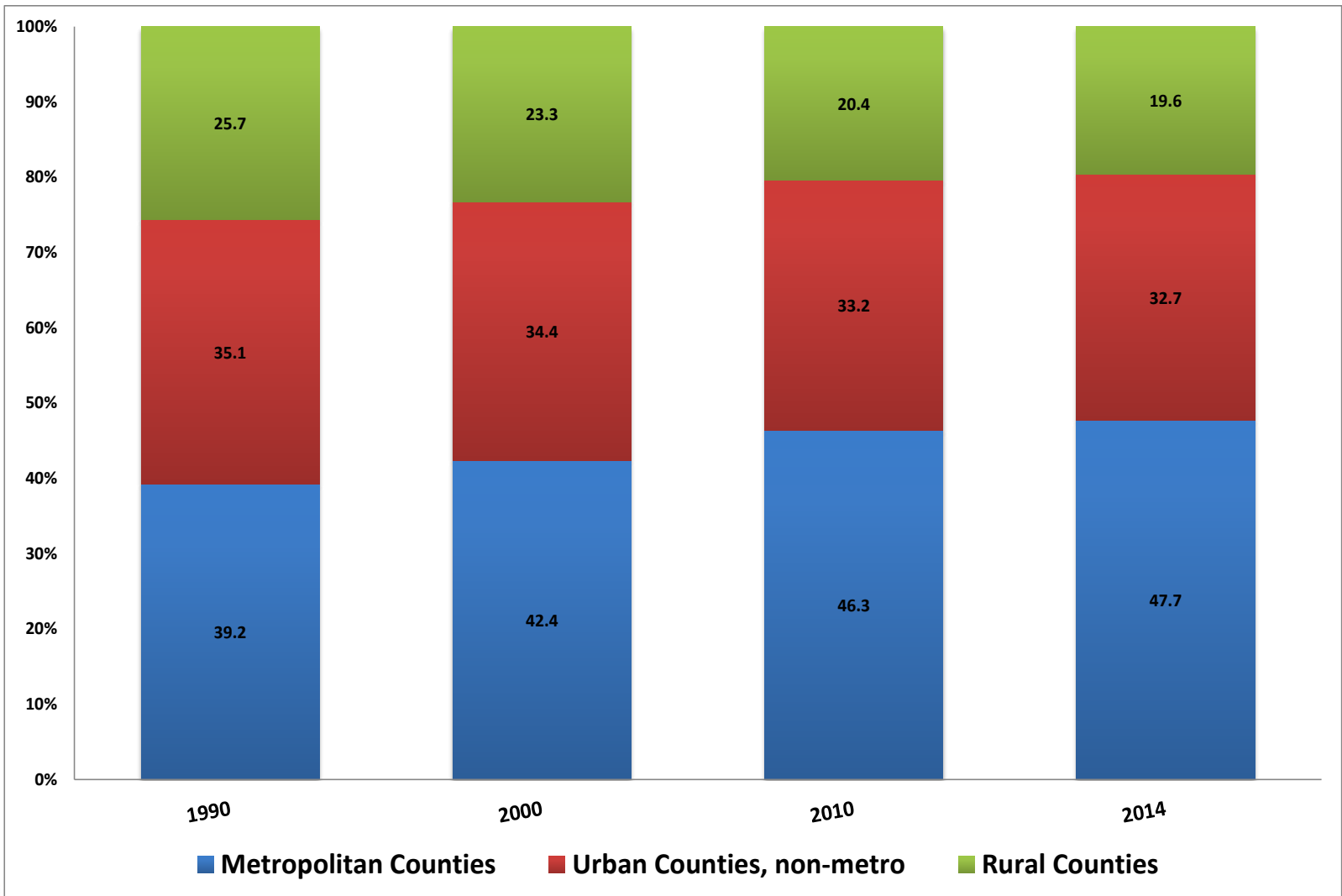
- Urban Core of CBSA
- ▭ CBSA Boundary
- ▭ Rural County
- ▭ Micropolitan County
- ▭ Metropolitan County

Source: Metropolitan and micropolitan statistical areas (metro and micro areas) are geographic entities delineated by the Office of Management and Budget (OMB). The term "Core Based Statistical Area" (CBSA) is a collective term for both metro and micro areas.

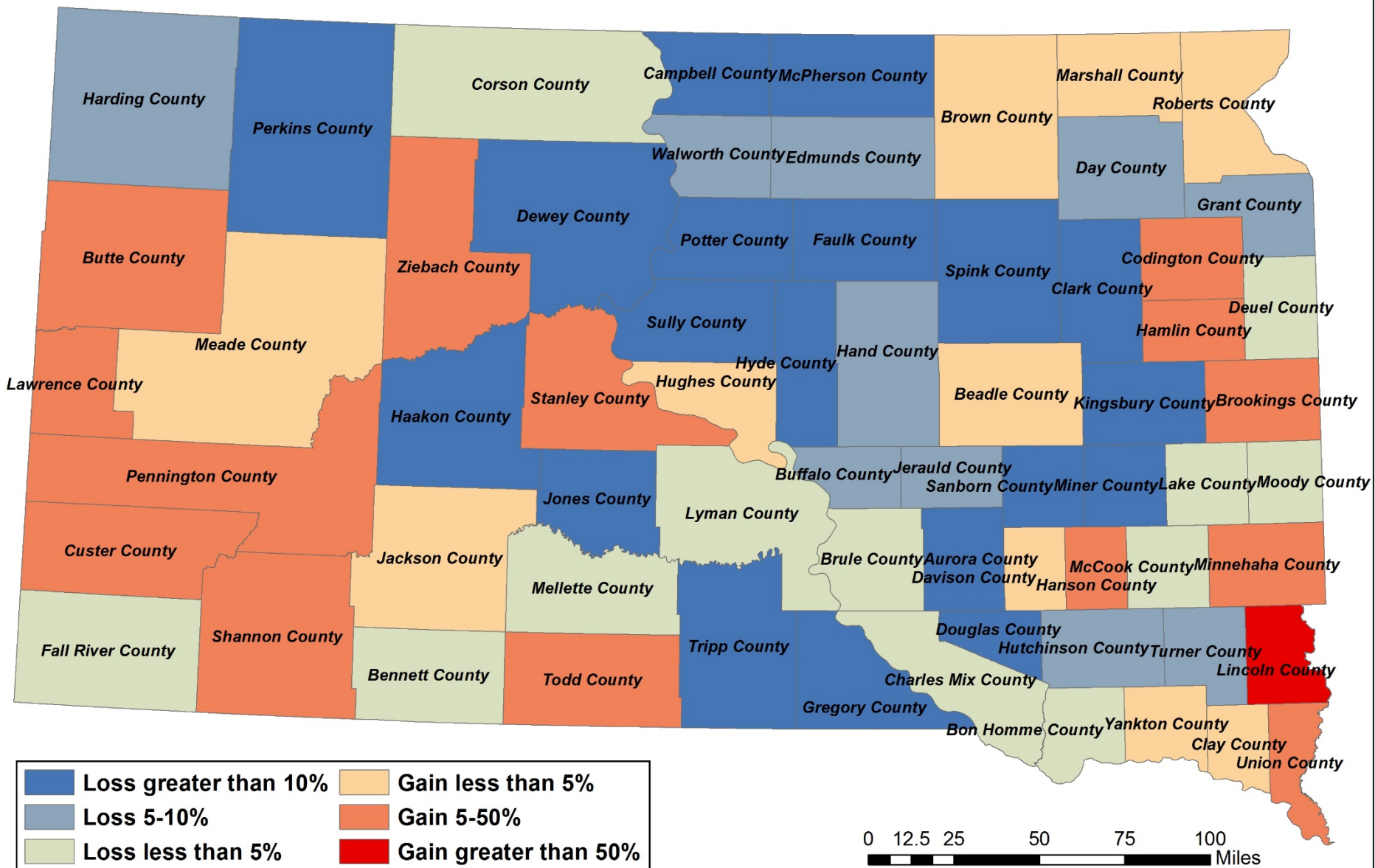
Prepared by State Data Center, South Dakota State University



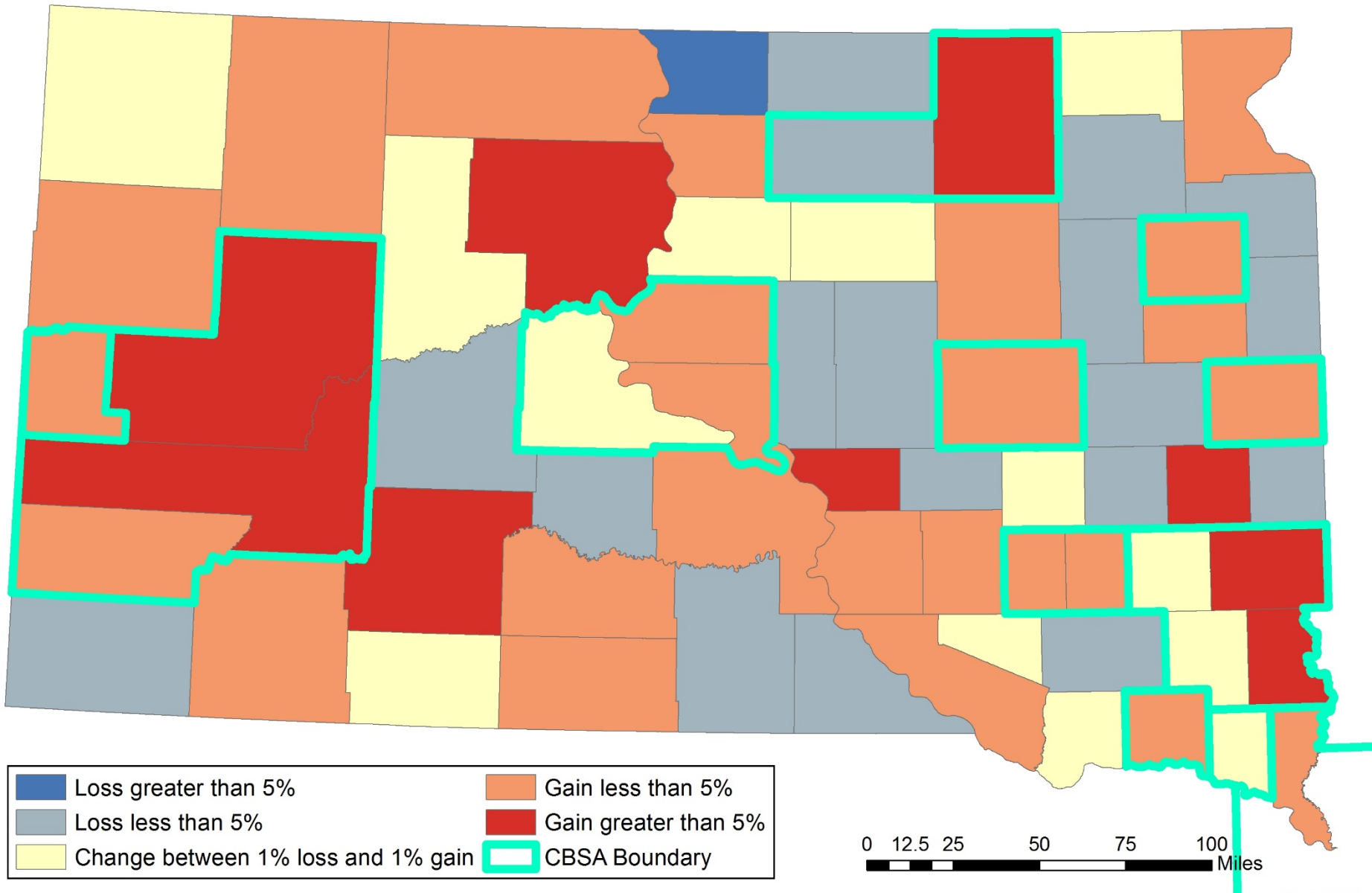
Percent of the State Population by Metro, Urban Non-Metro, Rural Status, 1990-2014



Percent Population Change between 2000 and 2010 South Dakota Counties



Percent Population Change between 2010 and 2014 South Dakota Counties

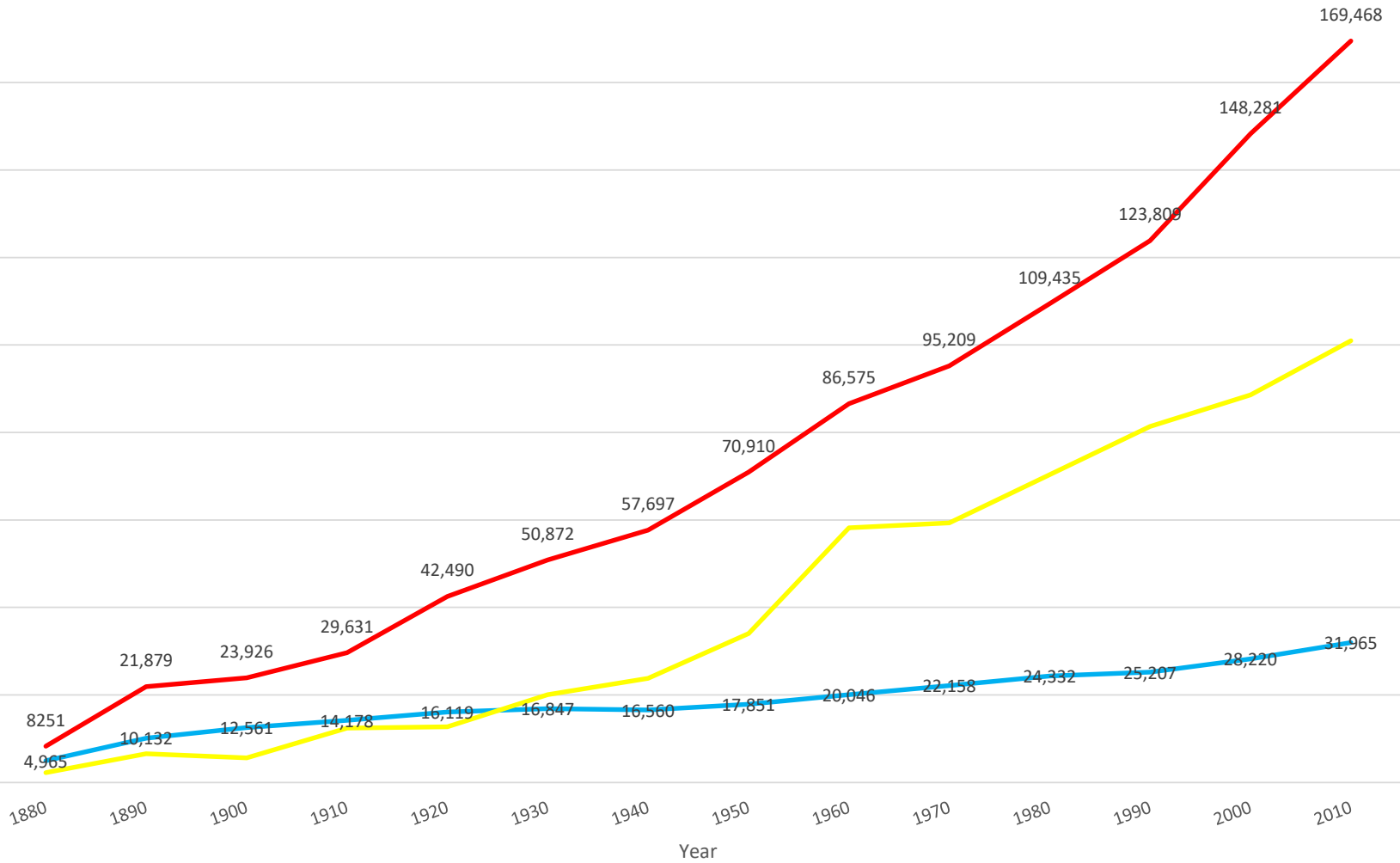


County	Total Population Increase	Share of the State Population Increase
Minnehaha	13,411	34.4
Pennington	7,305	18.7
Lincoln	6,720	17.2
Brown	1,877	4.8
Meade	1,495	3.8

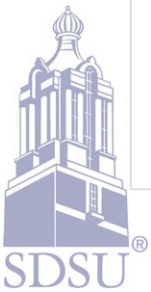
Recall that between 2010 and 2014, South Dakota's population increased by 38,995 (814,180 enumerated in 2010 and 853,175 estimated in 2014).



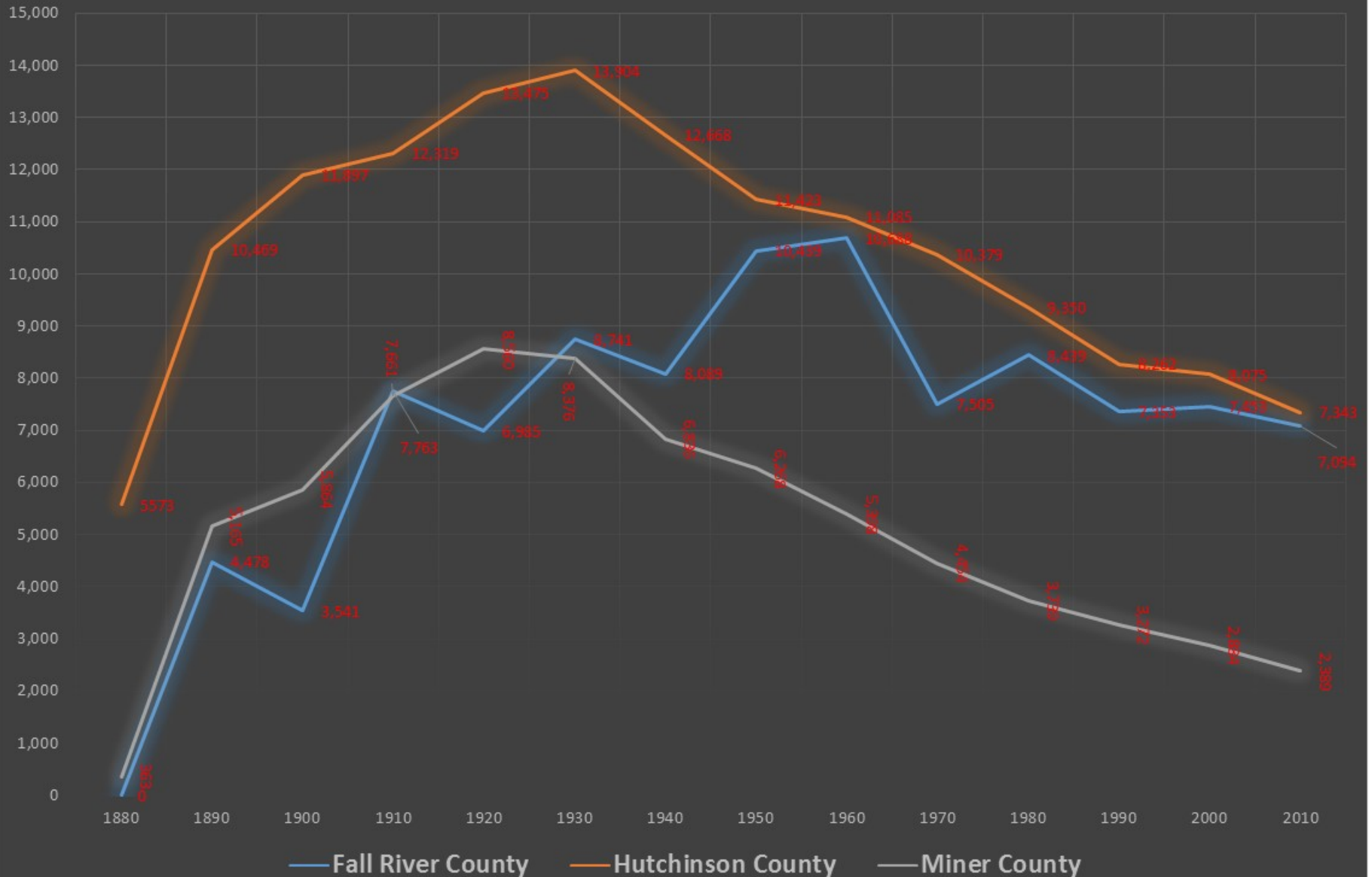
POPULATION GROWTH FROM 1880 TO 2010 OF SELECTED COUNTIES BROOKINGS, MINNEHAHA, PENNINGTON



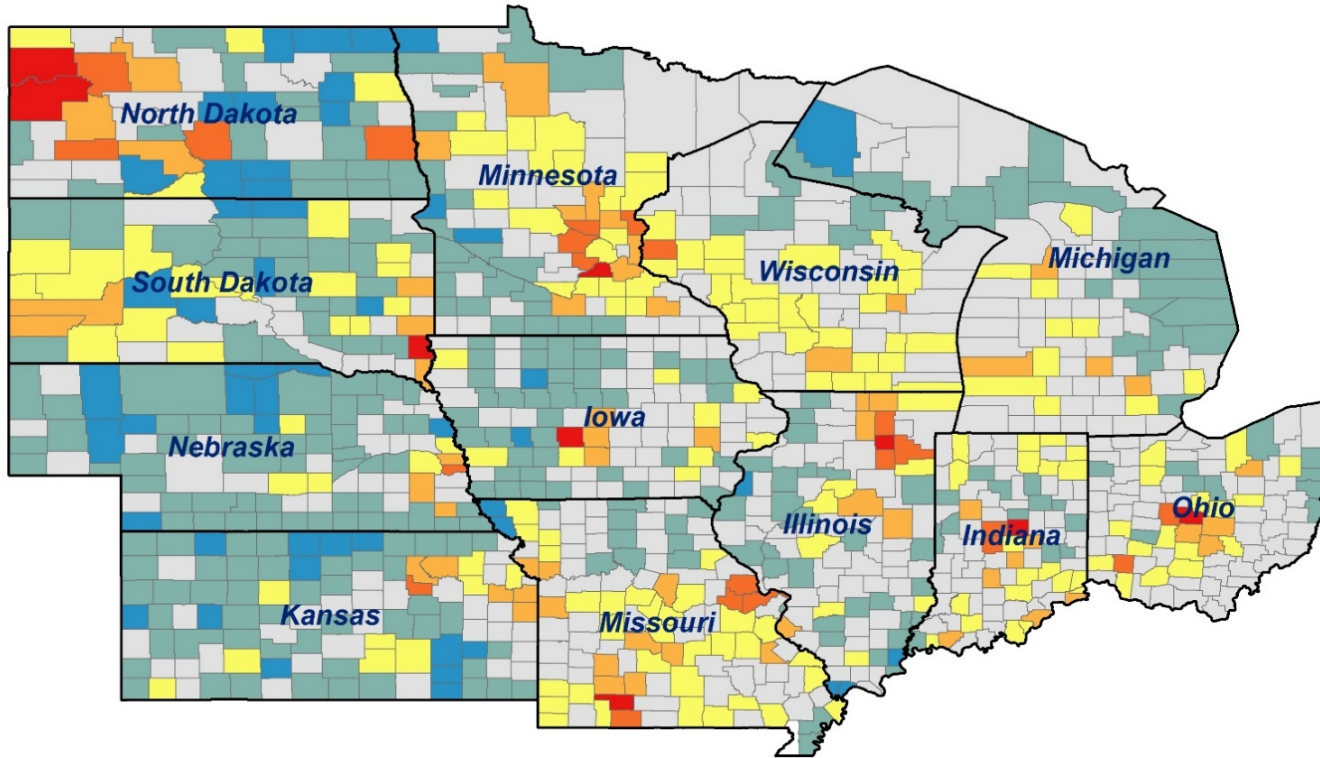
— Brookings County — Minnehaha County — Pennington County



POPULATION CHANGE BETWEEN 1880 AND 2010 FALL RIVER, HUTCHINSON, MINER COUNTY, SOUTH DAKOTA



COUNTY POPULATION CHANGE, 2000-2014, ACROSS THE GEOGRAPHY OF 12 STATES

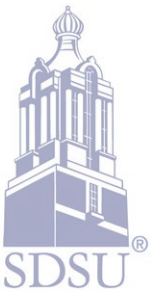


0 62.5 125 250 375 500 Miles



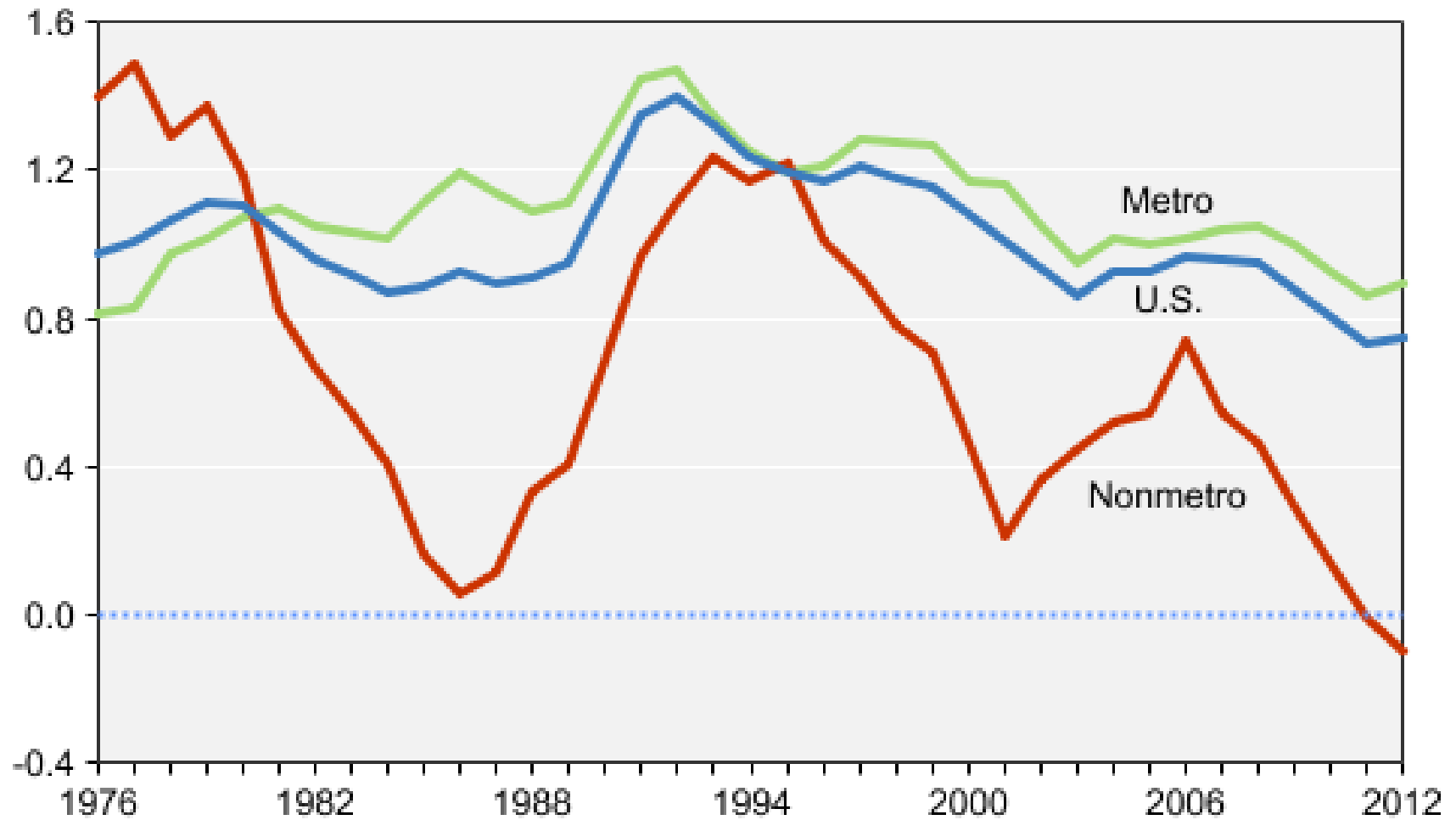
By State Data Center, South Dakota State University

Source: U.S. Census Bureau, 2009-2013 5-year ACS estimates.
Prepared by State Data Center



Population change by metro/nonmetro status, 1976-2012

Percent change



Note: Metro status changes for some counties in 1980, 1990, 2000, and 2010. Rates are imputed for 1989-1990, 1999-2000, and 2009-2010.

Source: USDA, Economic Research Service using data from the U.S. Census Bureau.

Diverse Demographic Trends

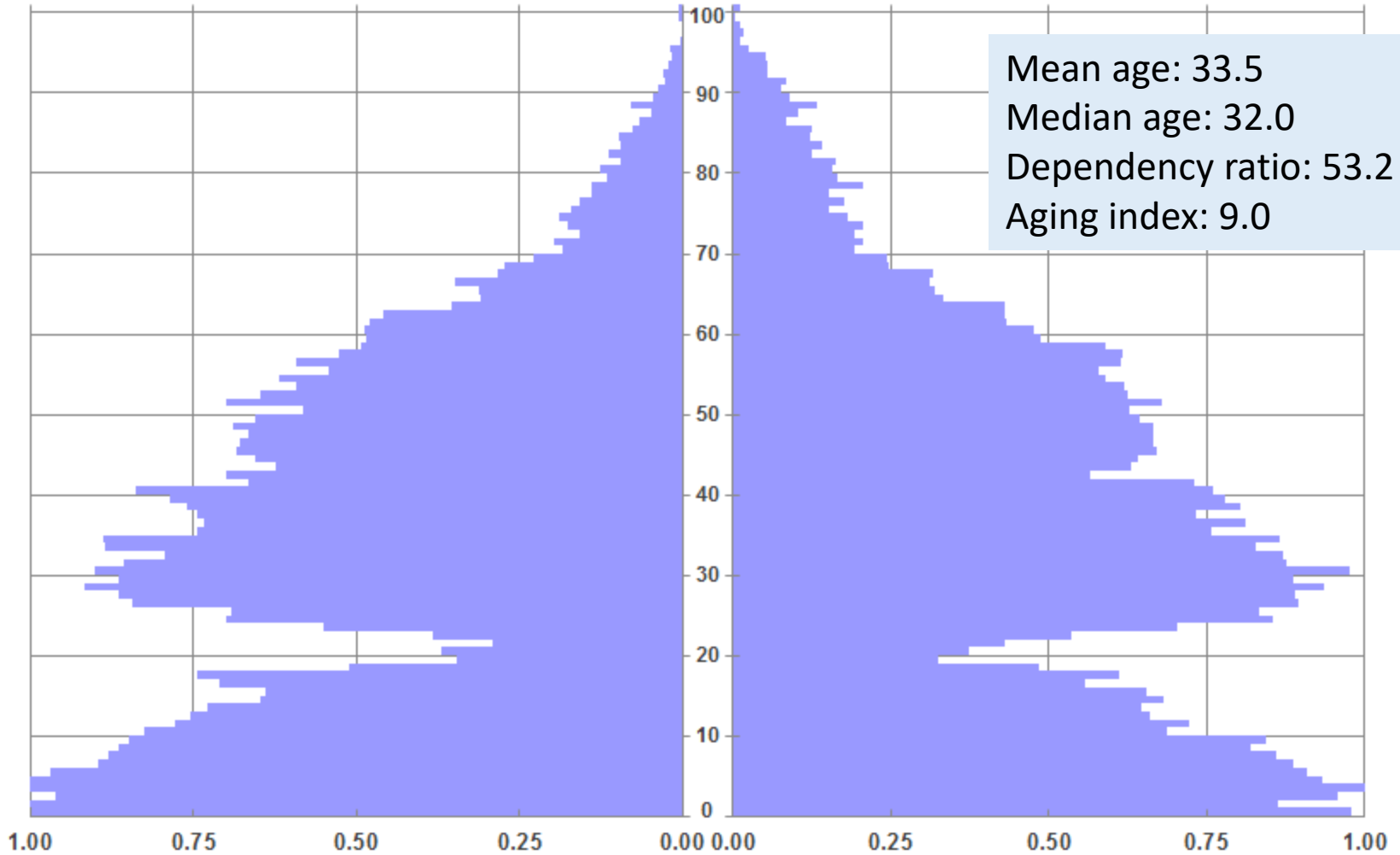
- Age by sex structure
- Component changes
- Distribution of diverse populations



Lincoln County, South Dakota, 2010

Males

Females

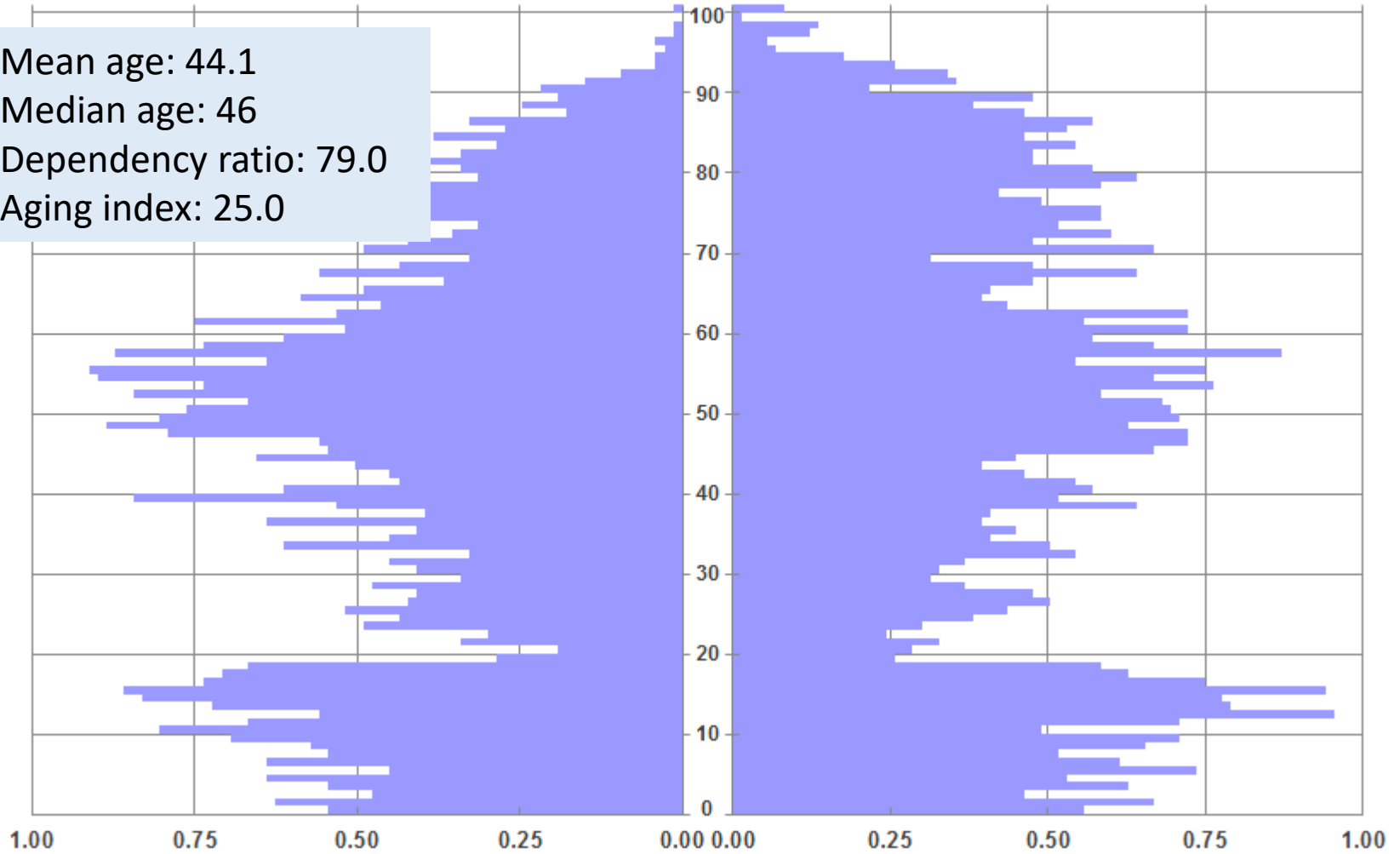


Hutchinson County, South Dakota, 2010

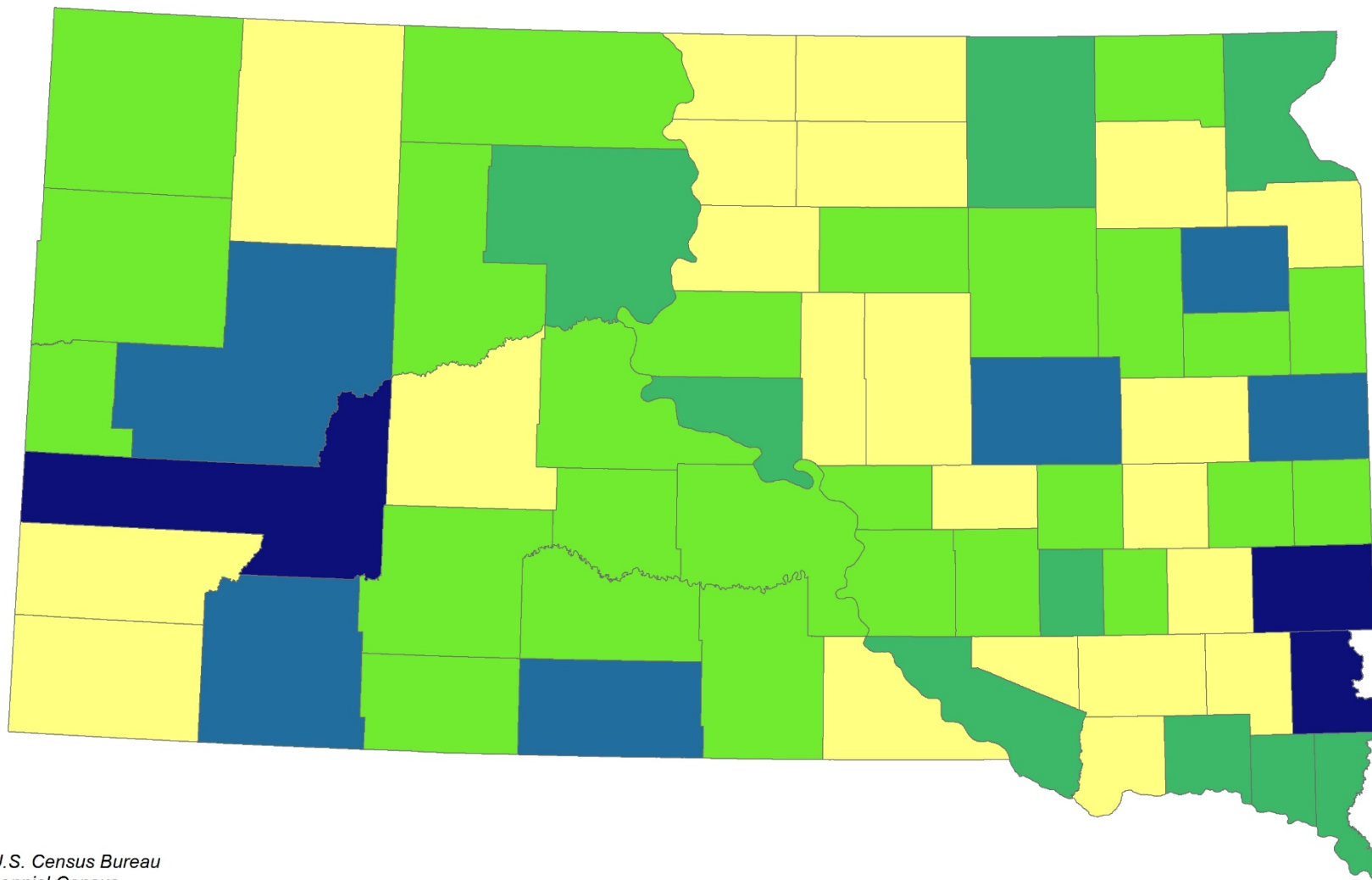
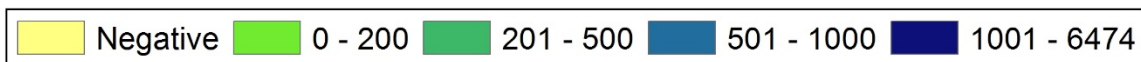
Males

Females

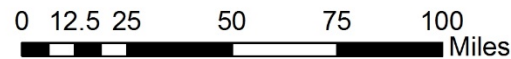
Mean age: 44.1
Median age: 46
Dependency ratio: 79.0
Aging index: 25.0



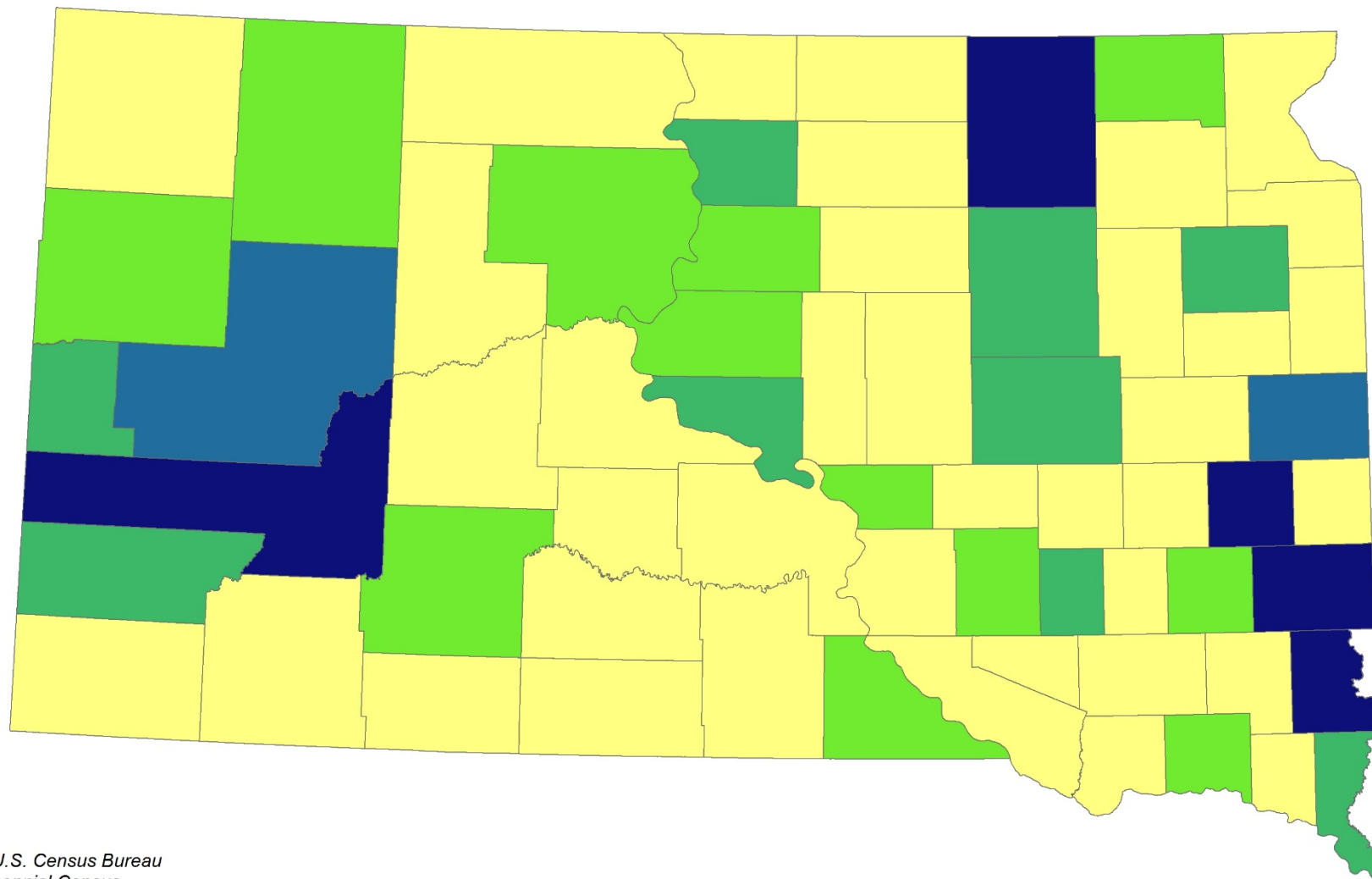
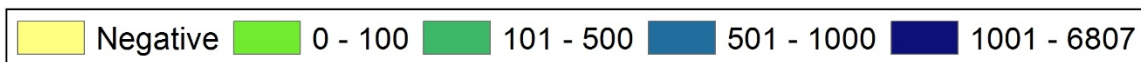
Natural Increase between 2010 and 2014 South Dakota Counties



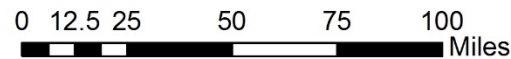
Source: U.S. Census Bureau
2010 Decennial Census
2014 county population estimates
Prepared by State Data Center



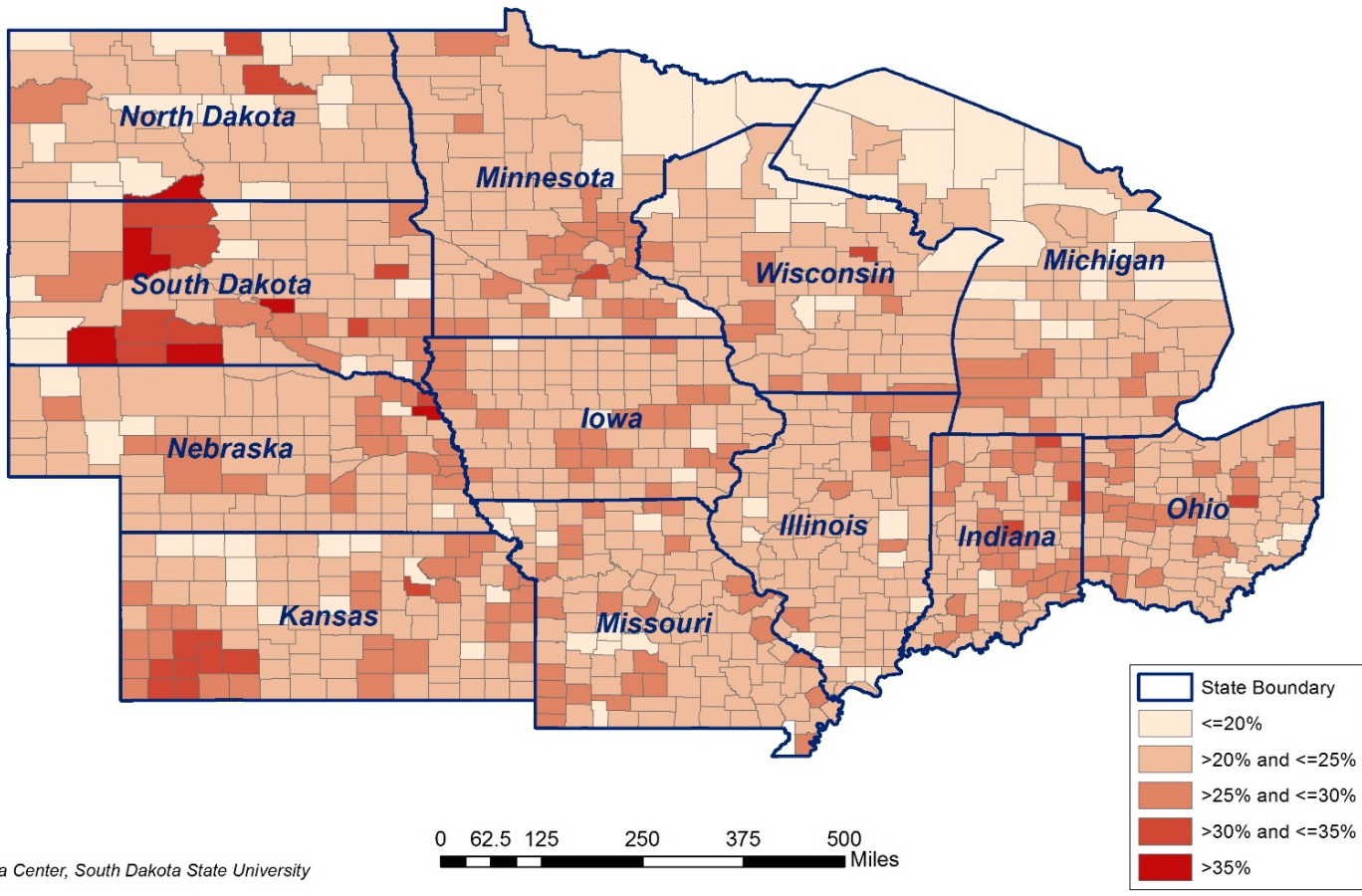
Net Migration between 2010 and 2014 South Dakota Counties



Source: U.S. Census Bureau
2010 Decennial Census
2014 county population estimates
Prepared by State Data Center



DISTRIBUTION OF YOUTH POPULATION AS A SHARE OF THE COUNTY POPULATION ACROSS THE GEOGRAPHY OF 12 STATES

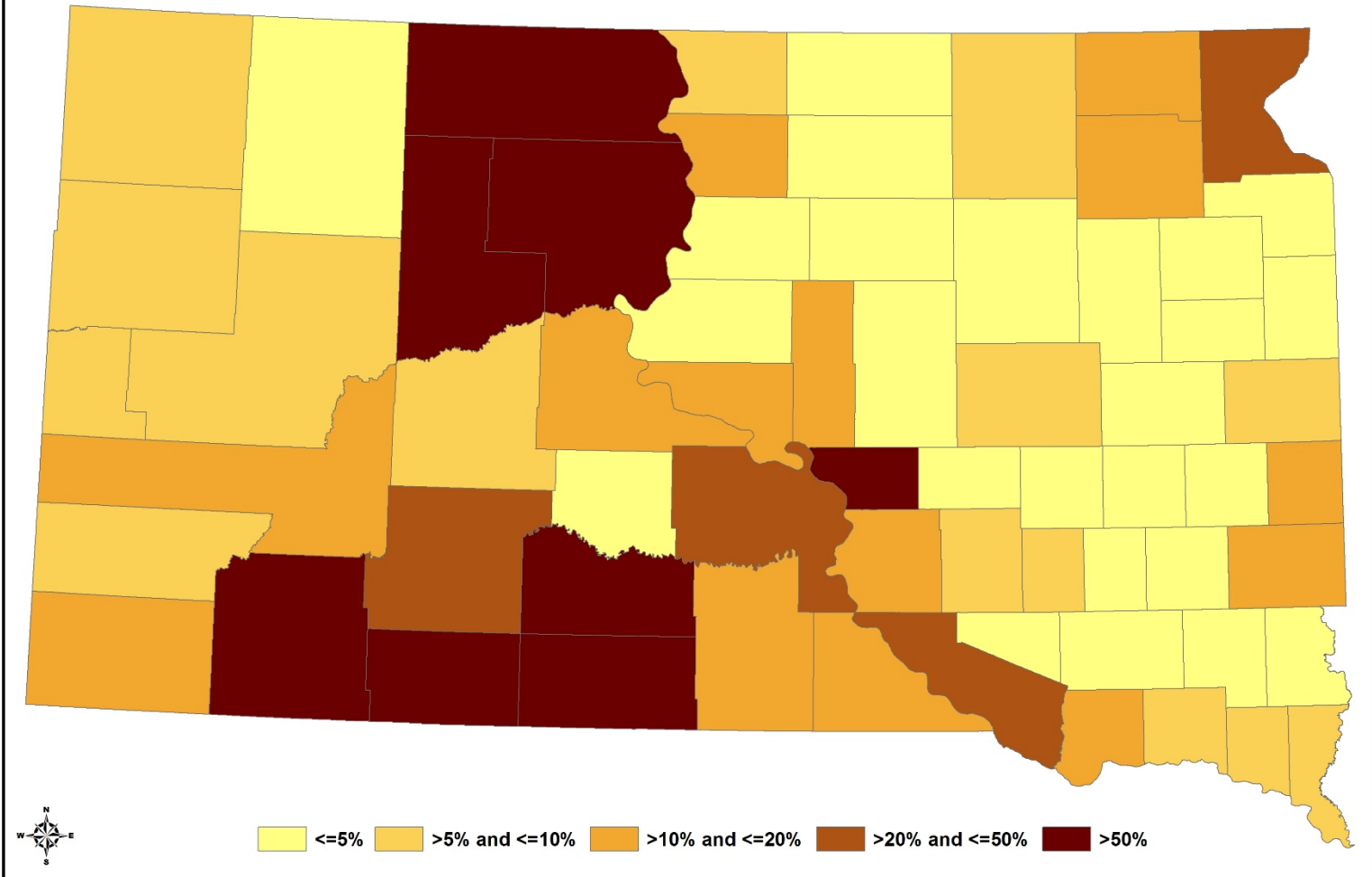


By State Data Center, South Dakota State University

Source: U.S. Census Bureau, 2009-2013 5-year ACS estimates.
Prepared by State Data Center



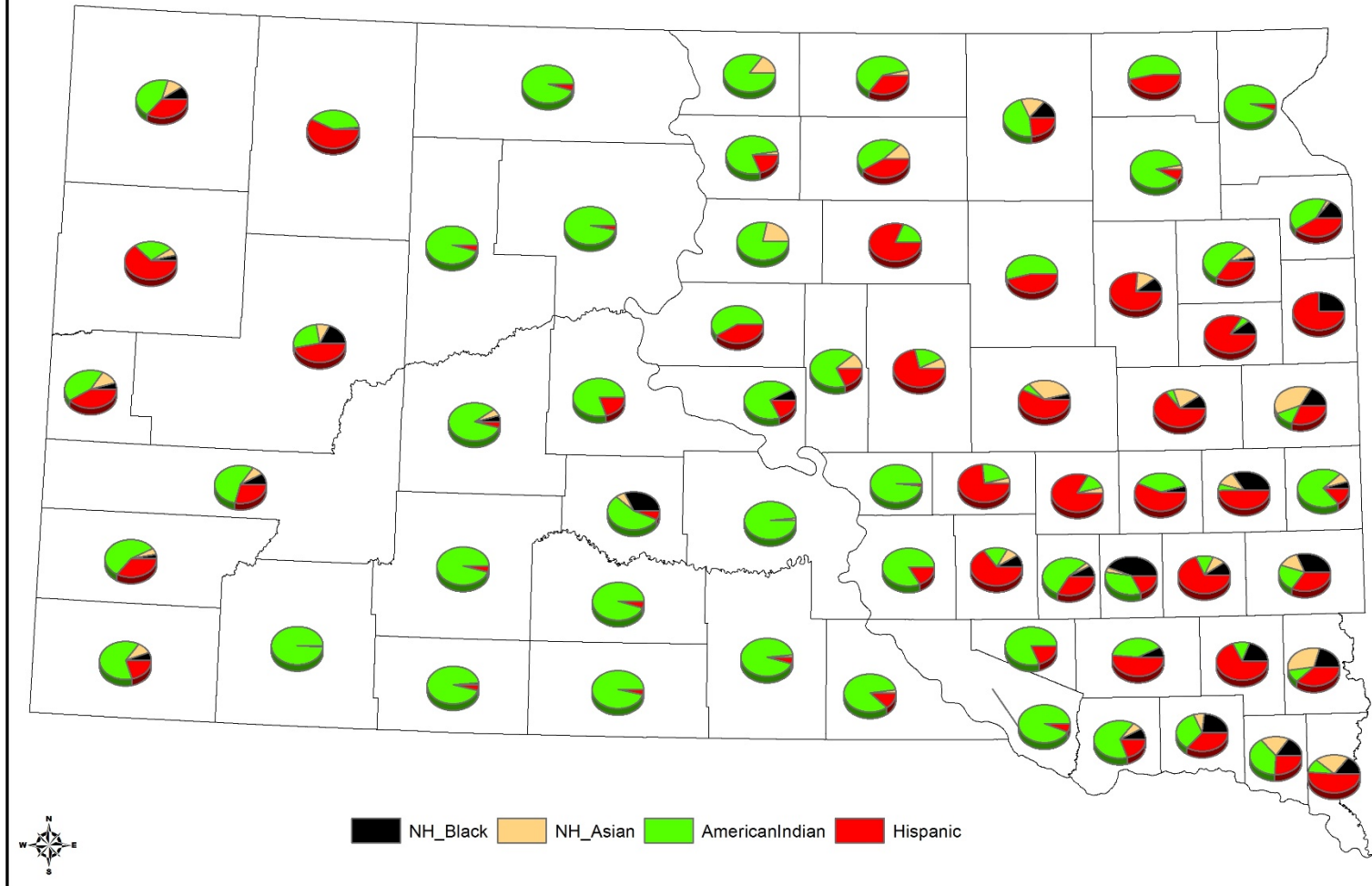
NON-WHITE POPULATION AS A PERCENTAGE OF COUNTY POPULATION, SOUTH DAKOTA



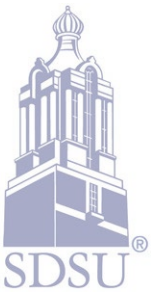
Source: U.S. Census Bureau, 2009-2013 5-year ACS estimates.
Prepared by State Data Center



GROUP COMPOSITION OF THE MINORITY POPULATION BY COUNTY, SOUTH DAKOTA



Source: U.S. Census Bureau, 2009-2013 5-year ACS estimates.
Prepared by State Data Center



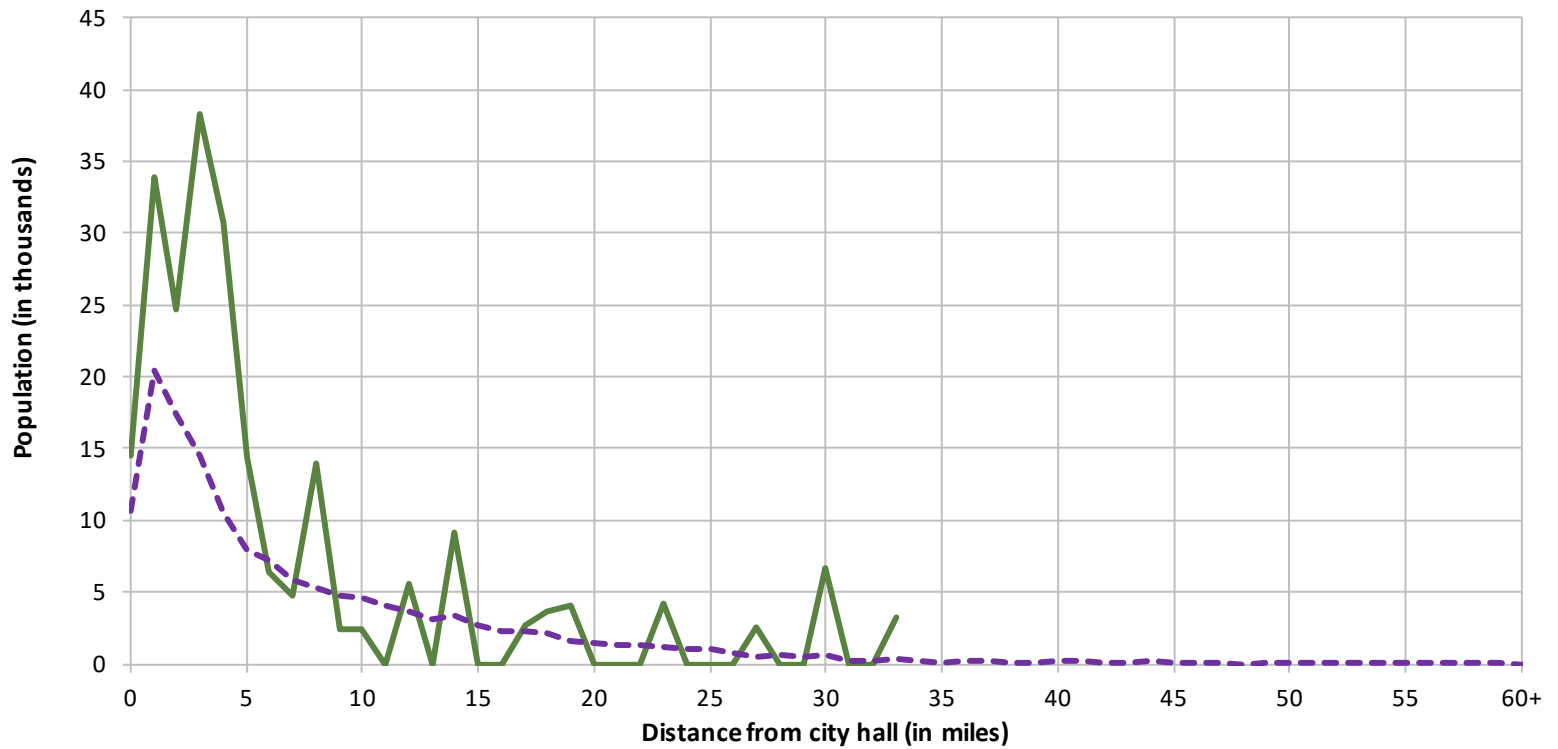
EXTRAS



Distance Profiles for U.S. Metropolitan Statistical Areas: 2000 and 2010

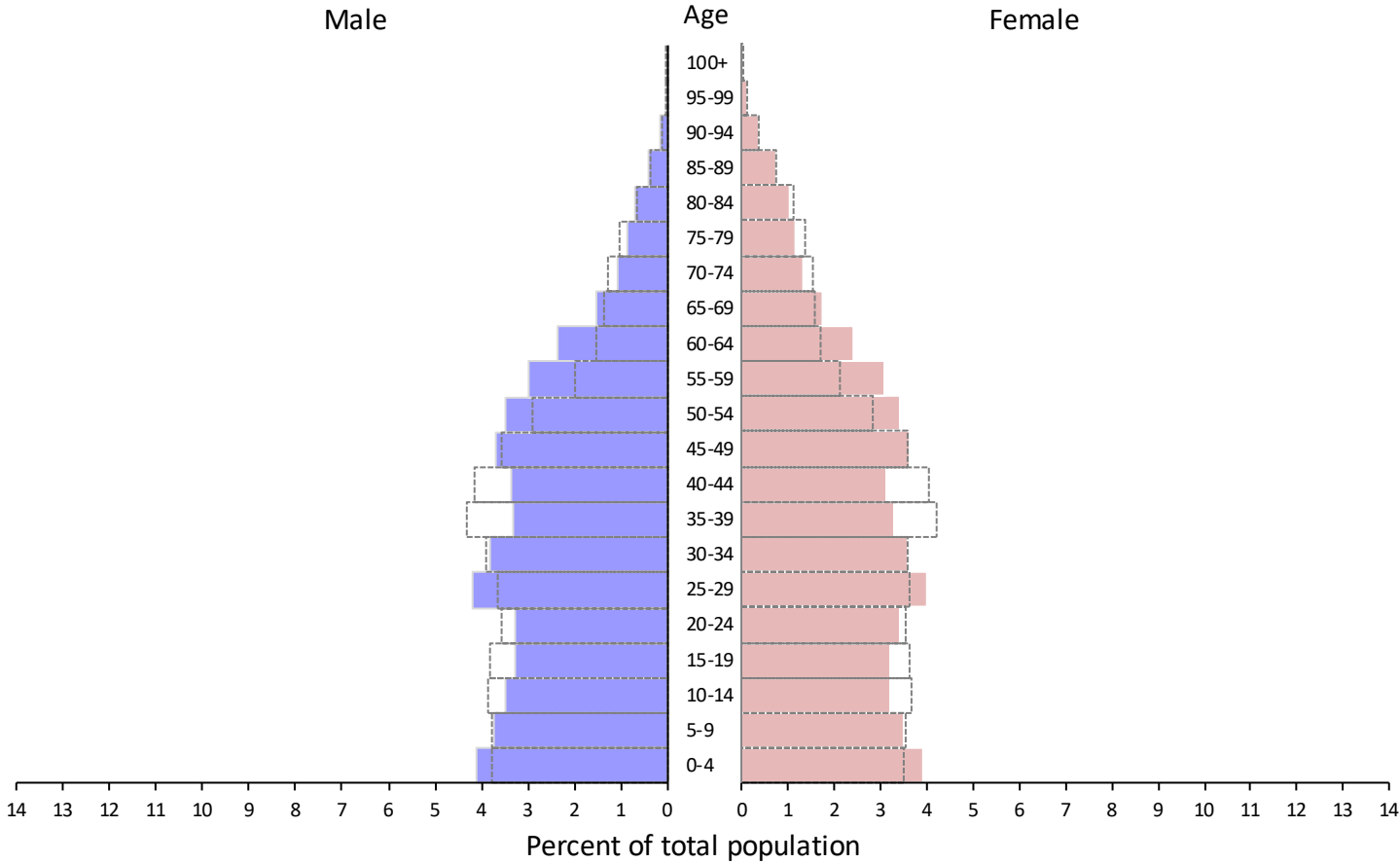
Population by Distance From City Hall

- 2010 Sioux Falls, SD Metro Area
- - - 2010 Average of U.S. metro areas of less than 250,000



Age and Sex Structure by Core Based Statistical Area (CBSA) Status: 2000 and 2010

■ ■ 2010 Sioux Falls, SD Metro Area
 2000 Sioux Falls, SD Metro Area



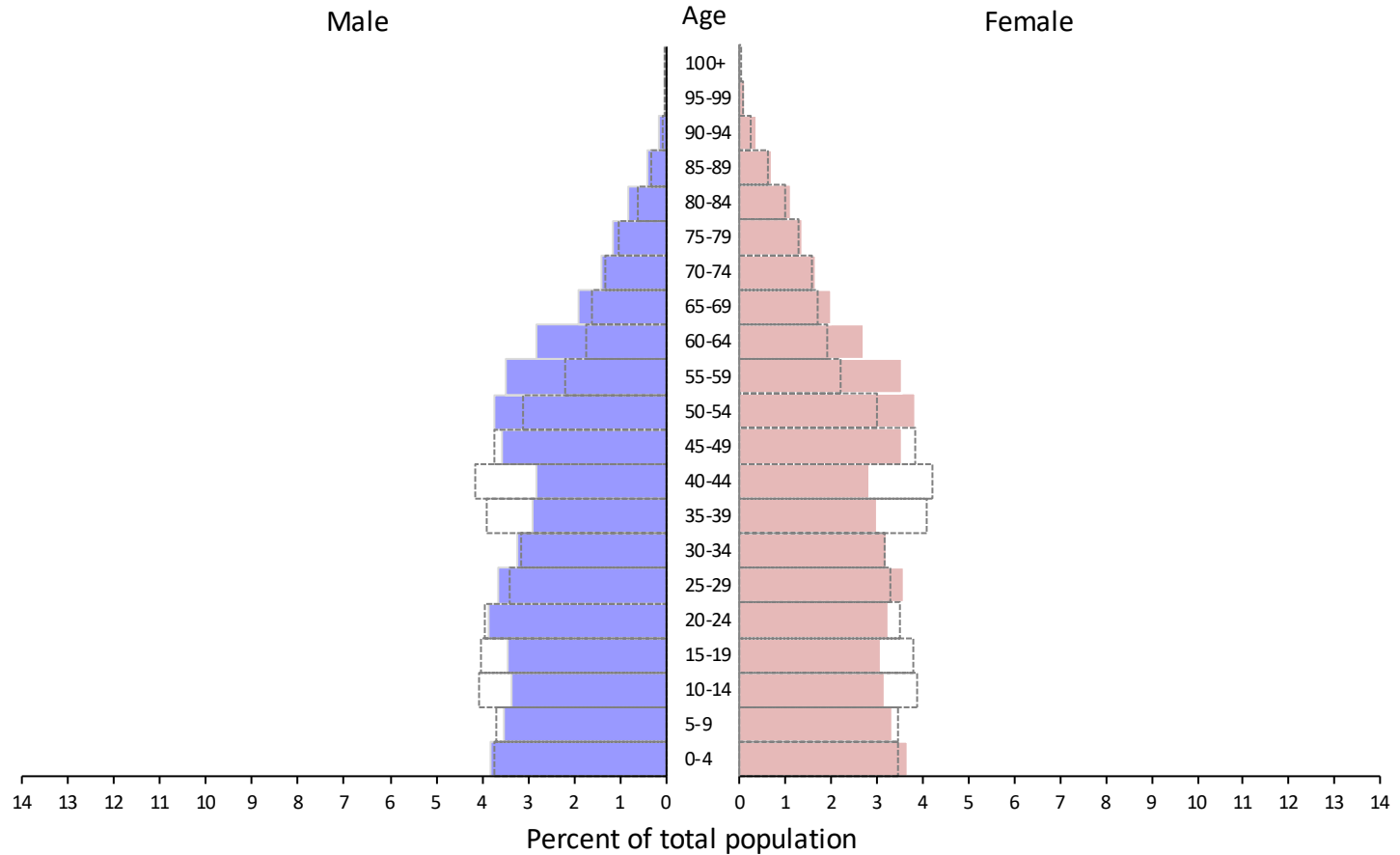
Note: CBSAs (metropolitan and micropolitan statistical areas) defined by the Office of Management and Budget as of December 2009.

Source: U.S. Census Bureau, 2010 Census and Census 2000.



Age and Sex Structure by Core Based Statistical Area (CBSA) Status: 2000 and 2010

■ ■ 2010 Rapid City, SD Metro Area
 2000 Rapid City, SD Metro Area



Note: CBSAs (metropolitan and micropolitan statistical areas) defined by the Office of Management and Budget as of December 2009.

Source: U.S. Census Bureau, 2010 Census and Census 2000.



