

The Value of NDCCompass

Verlin B. Hinsz, Ph.D.

Center for Social Research, NDSU



NORTH DAKOTA
COMPASS

Measuring progress.
Inspiring action.

11/19/2013
Bismarck



NDCOMPASS

a project of the Center for Social Research at
North Dakota State University (www.ndsu.edu/csr)

NDCompass is a 1-stop social indicators website
in North Dakota with tools to help access and
interpret data (www.ndcompass.org)



ND Compass

Compass **gives everyone** in our state
– policymakers, business and
community leaders, concerned
individuals who live and work here –
a **common foundation** to identify,
understand, and act on quality of life
issues that affect our communities.



ND Compass

- More than 1,000 graphs and tables
- 39 key measures in 12 topic areas
- Data by race, ethnicity, gender, income, and more
- Monthly analysis from researchers and commentary from community leaders and funders
- Twitter feed and Facebook page with breaking data news
- An e-library of recent publications and research-tested strategies



Working to Change the Equation

From:

Good intentions +

No common base of information =

Inefficient decisions

To:

Good intentions +

Sound, credible information +

Common sense of purpose =

***Productive decisions
for strong communities***



Workforce

- ▶ An illustration of features of ND Compass



TOPICS

- Aging
- Children & Youth
- Civic Engagement
- Demographics
- Disparities
- Early Childhood
- Economy
- Education
- Environment
- Health
- Housing
- Workforce

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WELCOME TO NORTH DAKOTA COMPASS

By tracking and analyzing trends in areas that affect our quality of life, Compass gives everyone in our state – policymakers, business and community leaders, and concerned individuals who live and work here – a common foundation to act on issues to improve our communities. [MORE >](#)



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PROVIDE INPUT

FOR DISCUSSION



American Indian Health Disparities in North Dakota

Donald Warne is the director of the Master of Public Health (MPH) program at NDSU. He is a member of the Oglala Lakota Tribe from Pine Ridge, SD. Dr. Warne received his MD from Stanford University and his MPH from Harvard University. He highlights the key health issues facing ND tribes, what can be done to address these health disparities, and how the NDSU MPH Program's new American Indian Public Health track hopes to help.

HOW TO USE THIS SITE

ND Compass explores a set of key measures for each topic area. In addition to tracking statewide trends, Compass provides data, when possible, by region, county, reservations, and larger cities (click on the map above or [here](#) to see more details). Within each topic,





TOPICS

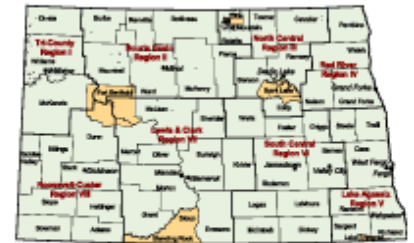
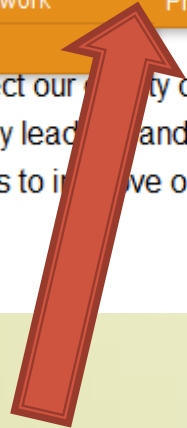
- Aging Children & Youth Civic Engagement Demographics Disparities Early Childhood Economy Education
- Environment Health Housing Workforce

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- Overview
- Key measures ▶ Postsecondary degree completion
- More measures Educational attainment
- Ideas at work Proportion of adults working
- Library



Select Key measures, or explore other data

Overview

Key measures

Postsecondary degree completion

Educational attainment

Proportion of adults working

More measures

Ideas at work

Library

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EDUCATIONAL ATTAINMENT

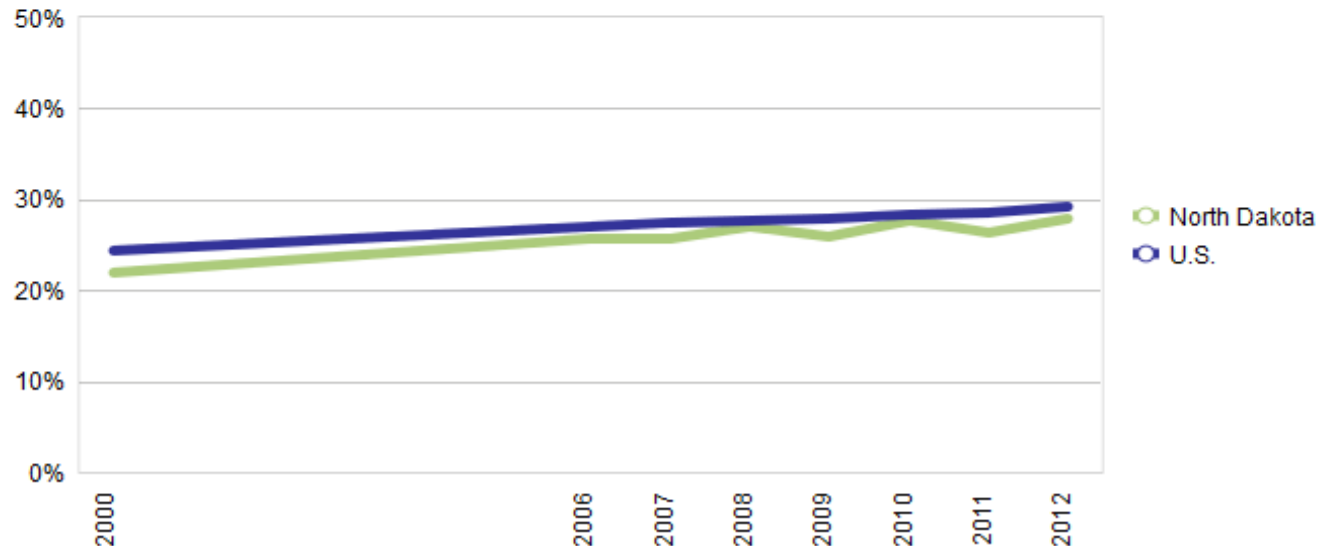
The modern world is increasingly producing high-skilled jobs. Our state's ability to compete with workers and economies worldwide is dependent on having a highly educated workforce -- in both technical skills and intangible abilities such as innovation and problem-solving. More educated workers fuel the economic engine for states and communities, and generally produce higher incomes, greater economic security, and better health for residents. As demographic patterns make workers increasingly scarce, the ability to retain and attract young, highly educated residents is key to growth.

BREAKDOWN: North Dakota and U.S. ▾

VIEW: Graph ▾

Percent (age 25+) with a bachelor's degree or higher

North Dakota and U.S., 2000-2012



Overview

Key measures

Postsecondary degree completion

Educational attainment

Proportion of adults working

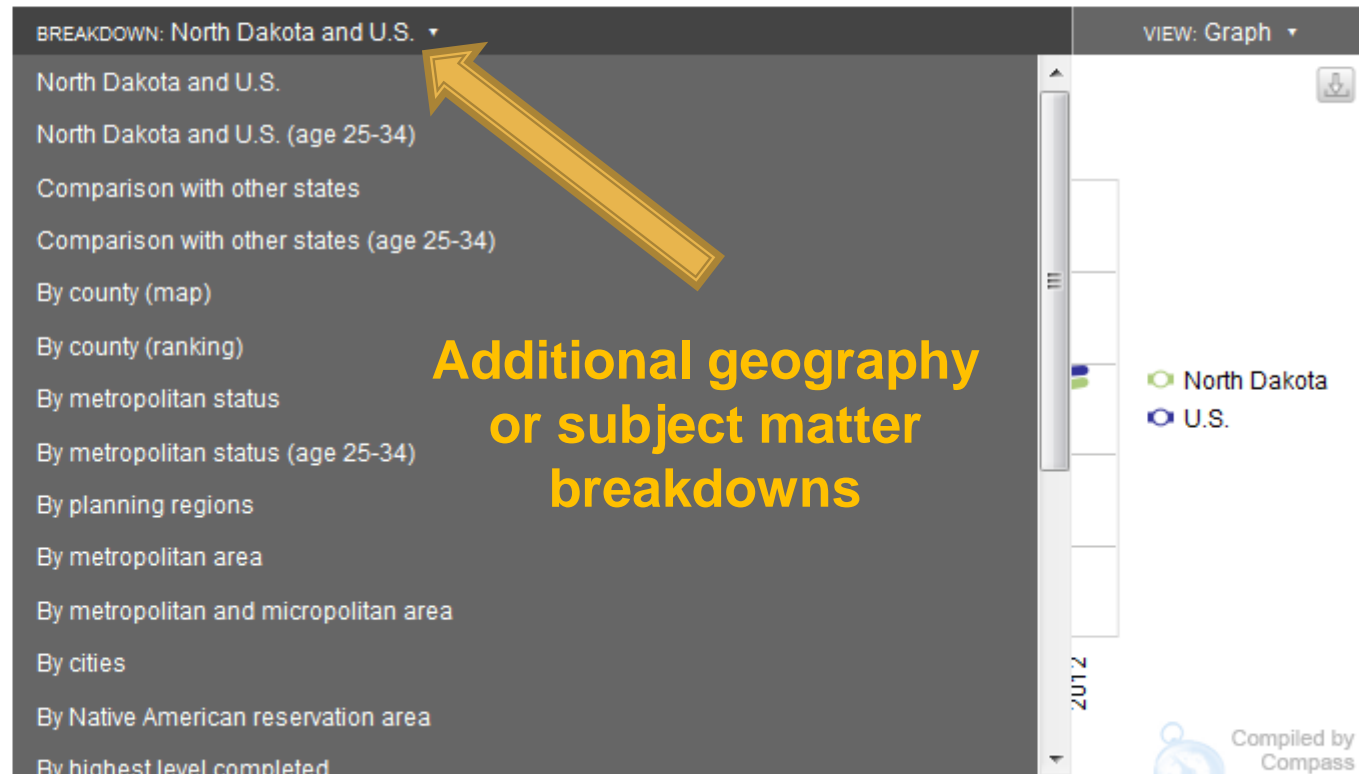
More measures

Ideas at work

Library

EDUCATIONAL ATTAINMENT

The modern world is increasingly producing high-skilled jobs. Our state's ability to compete with workers and economies worldwide is dependent on having a highly educated workforce -- in both technical skills and intangible abilities such as innovation and problem-solving. More educated workers fuel the economic engine for states and communities, and generally produce higher incomes, greater economic security, and better health for residents. As demographic patterns make workers increasingly scarce, the ability to retain and attract young, highly educated residents is key to growth.



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WORKFORCE

- Overview
- Key measures
 - Postsecondary degree completion
 - Educational attainment
 - Proportion of adults working
- More measures
- Ideas at work
- Library

You are here: Home > Workforce

MORE MEASURES

Looking for more data? We've identified these links to useful data sets and data-rich sites.

EDUCATIONAL ATTAINMENT

SMALL BUSINESSES

WORKFORCE DATA

WORKFORCE WELL-BEING

OTHER

[Economic Research Service data](#)
 North Dakota state fact sheets from the United States Department of Agriculture, Economic Research Service

[National Center for Veterans Analysis and Statistics](#)
 The National Center for Veterans Analysis and Statistics (NCVAS) supports planning, analysis, and decision-making activities through the collection

FAMILY ECONOMIC SECURITY PROFILE

Family Economic Security Profile for North Dakota

The National Center for Children in Poverty (NCCP) Family Economic Security Profiles provide state-specific data on low-income children and families and highlight state policy choices to promote work attachment and advancement, income adequacy, and asset development.

RELATED COMPASS MEASURES

- Poverty rates children age 0-4 (MN)
- Poverty rates age 0-5 (county) (Demographics)

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TOPICS

Aging Children & Youth Civic Engagement Demographics Disparities Early Childhood Economy Education
Environment Health Housing Workforce

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WORKFORCE

Overview

Key measures

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IDEAS AT WORK

Find initiatives working to improve our workforce and learn about proven strategies for action.

CHILDREN

HIGHER EDUCATION IN NORTH DAKOTA

SMALL BUSINESSES

WORKFORCE EDUCATION

WORKFORCE DEVELOPMENT AND NEEDS

WORKFORCE WELL-BEING

OTHER

GREAT IDEA



Learn more about the North Dakota Community Action Partnership

SUBMIT YOUR IDEA

Are you part of an initiative or collaboration working to improve this issue in your region?

Let us know – provide the name of your collaboration, the region it serves, and a link to more

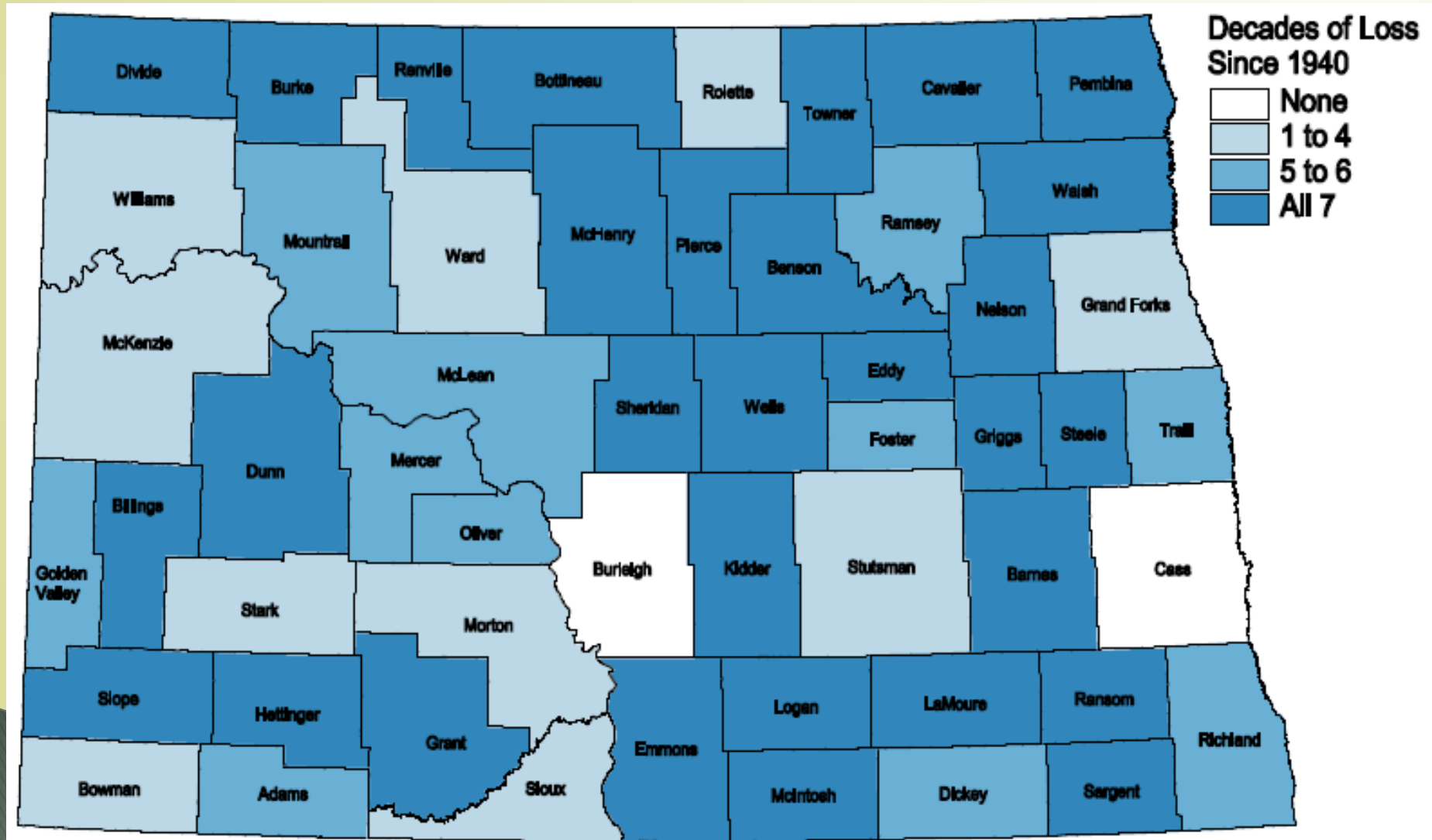
And Now to the Website

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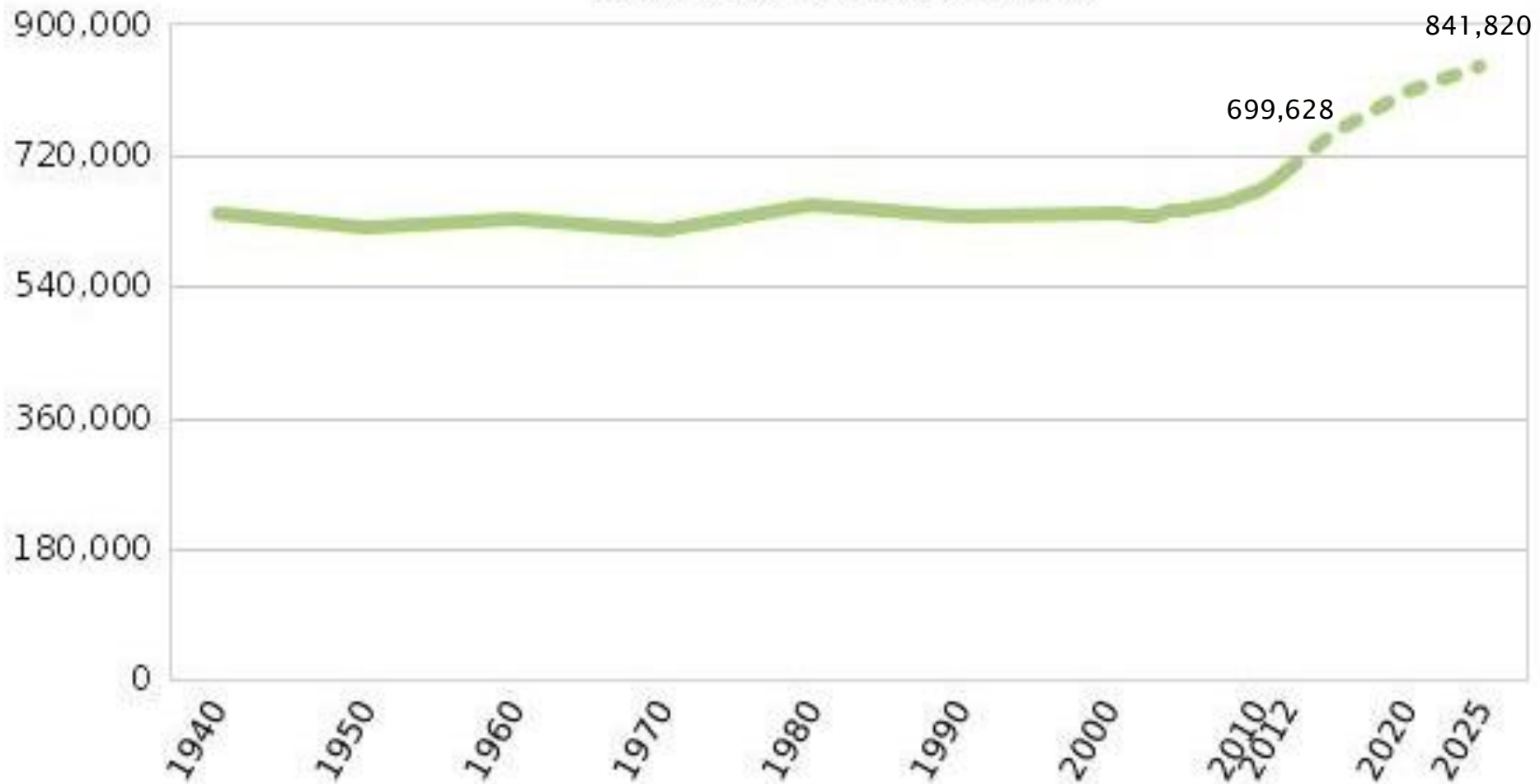
Population

All but 2 counties had population decline in at least one decade since 1940;
30 counties had declines in all 7 decades



Total population, trend and forecast

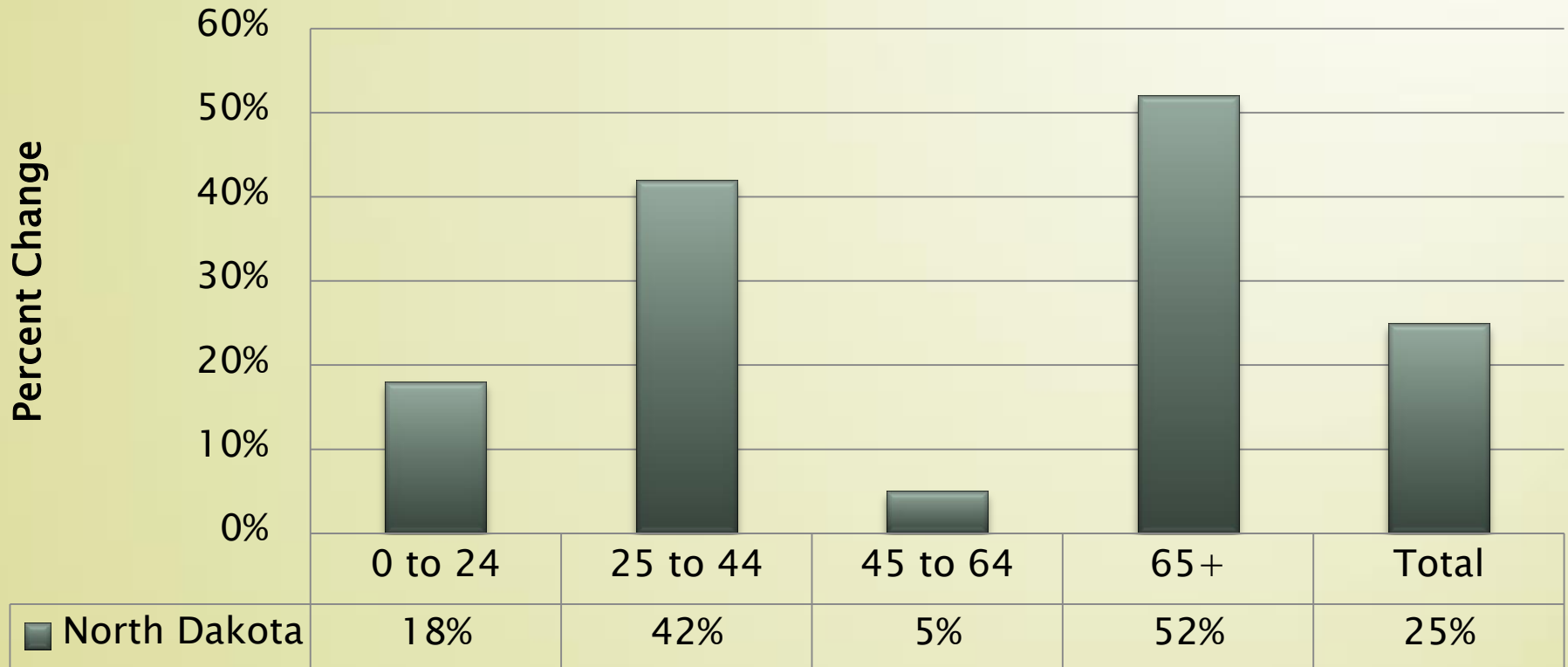
North Dakota, 1940-2025



North Dakota's 2012 population reached a historic high – 699,628. Previous peak (1930) at 680,845.

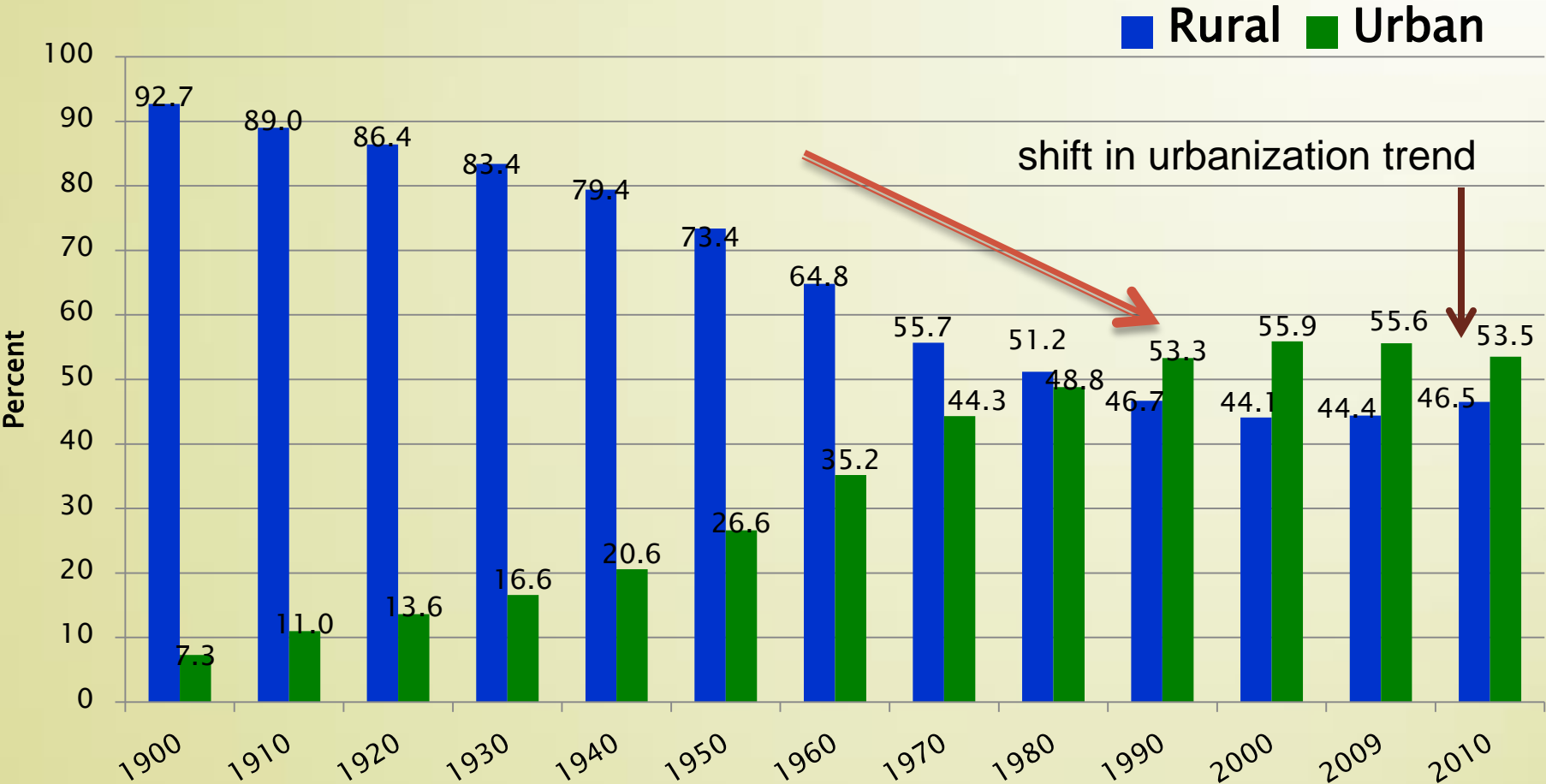
Population Projections

Percent Change in Population by Age, 2010 to 2025



Increases in most age groups (largely due to energy boom) reducing the “graying of ND” that once seemed inevitable

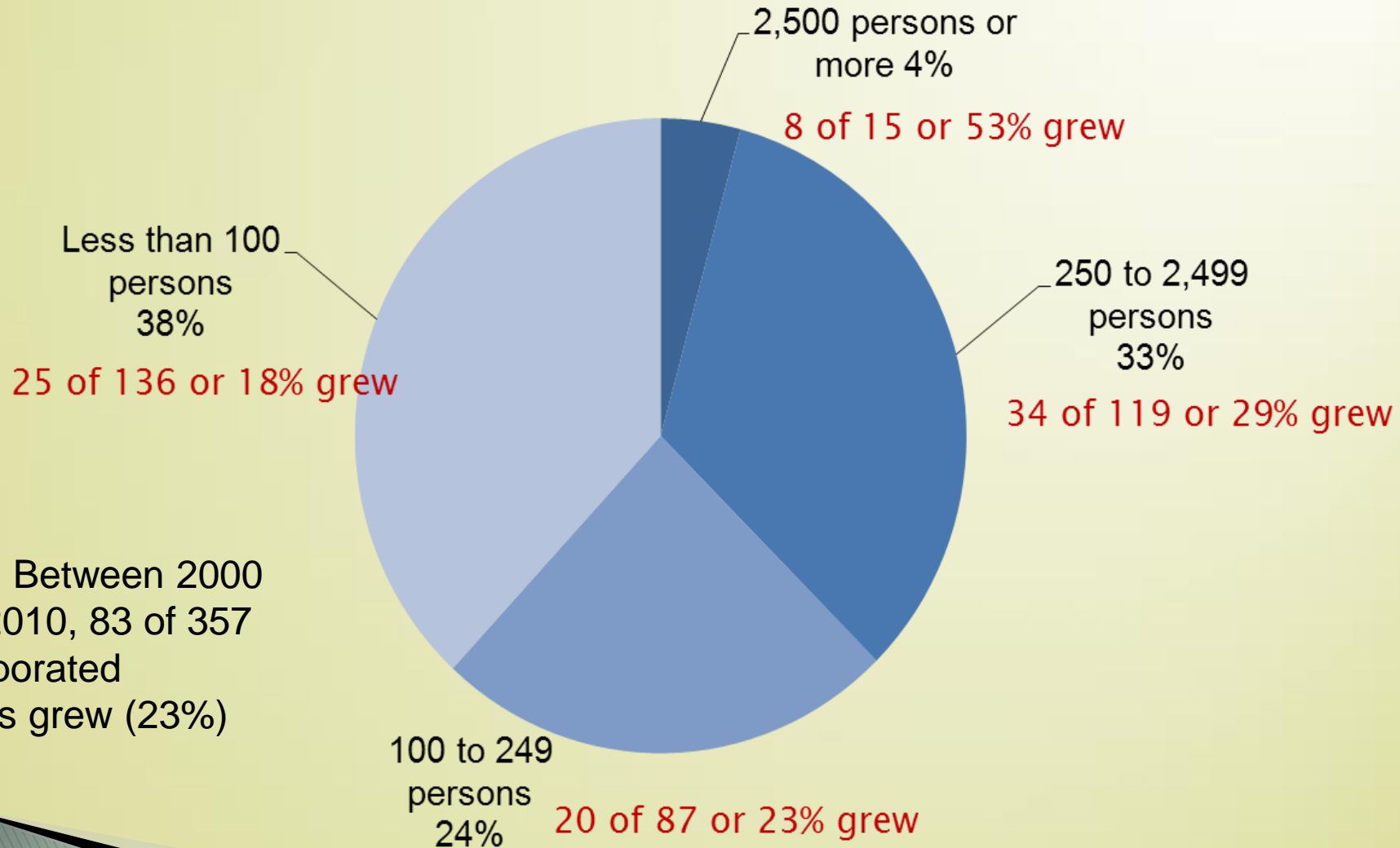
North Dakota Rural-Urban Population Distribution 1900 to 2010



More North Dakotans lived in urban areas (2,500+) by 1990. 223 (62%) of ND's 357 incorporated places are smaller than 250 people.

City Size in North Dakota: 2010

% change 2000 to 2010 noted in Red



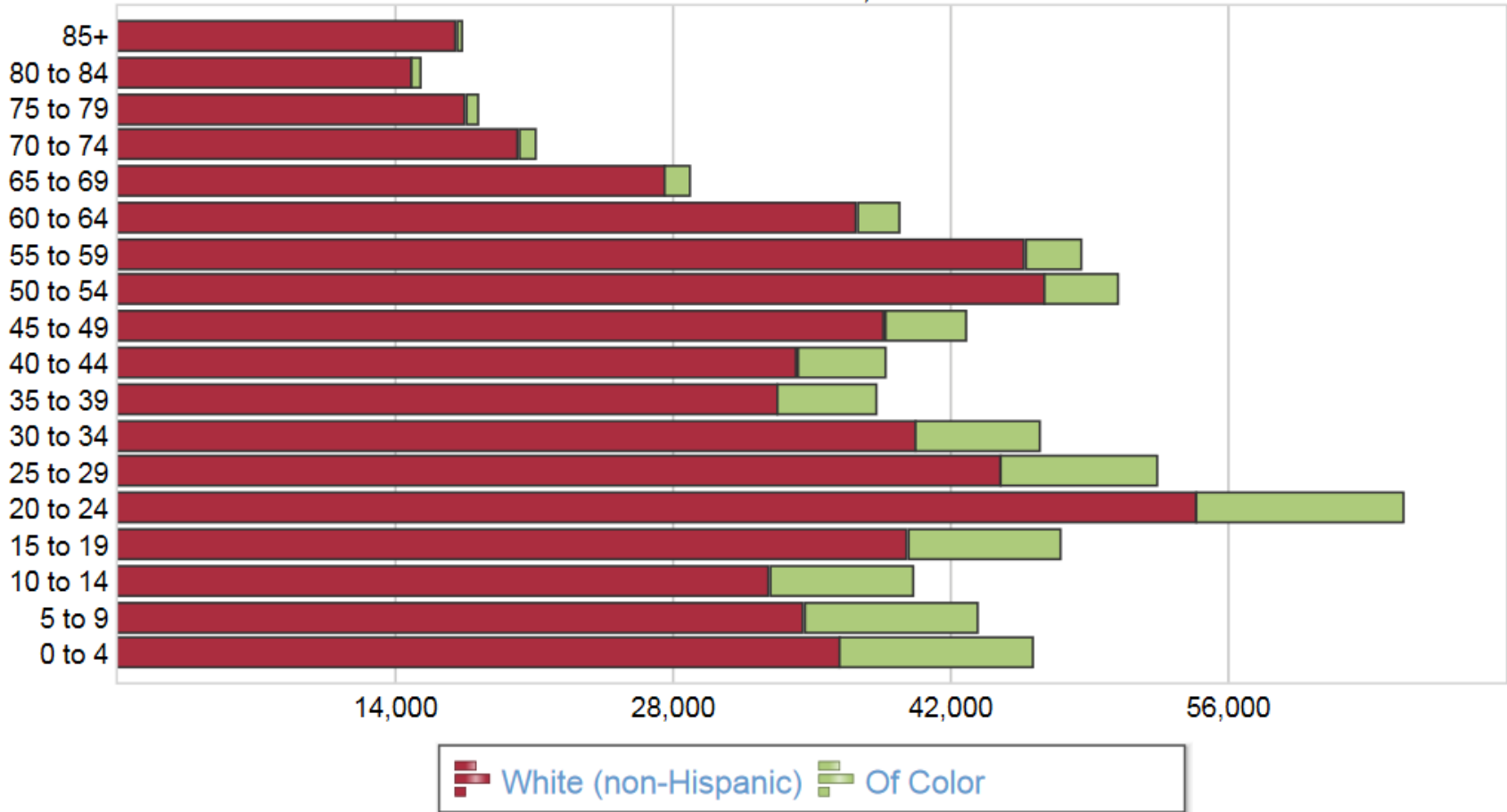
Note: Between 2000 and 2010, 83 of 357 incorporated places grew (23%)

Note: Based on 357 incorporated cities
Source: U.S. Census Bureau, Census 2010

Population Diversity

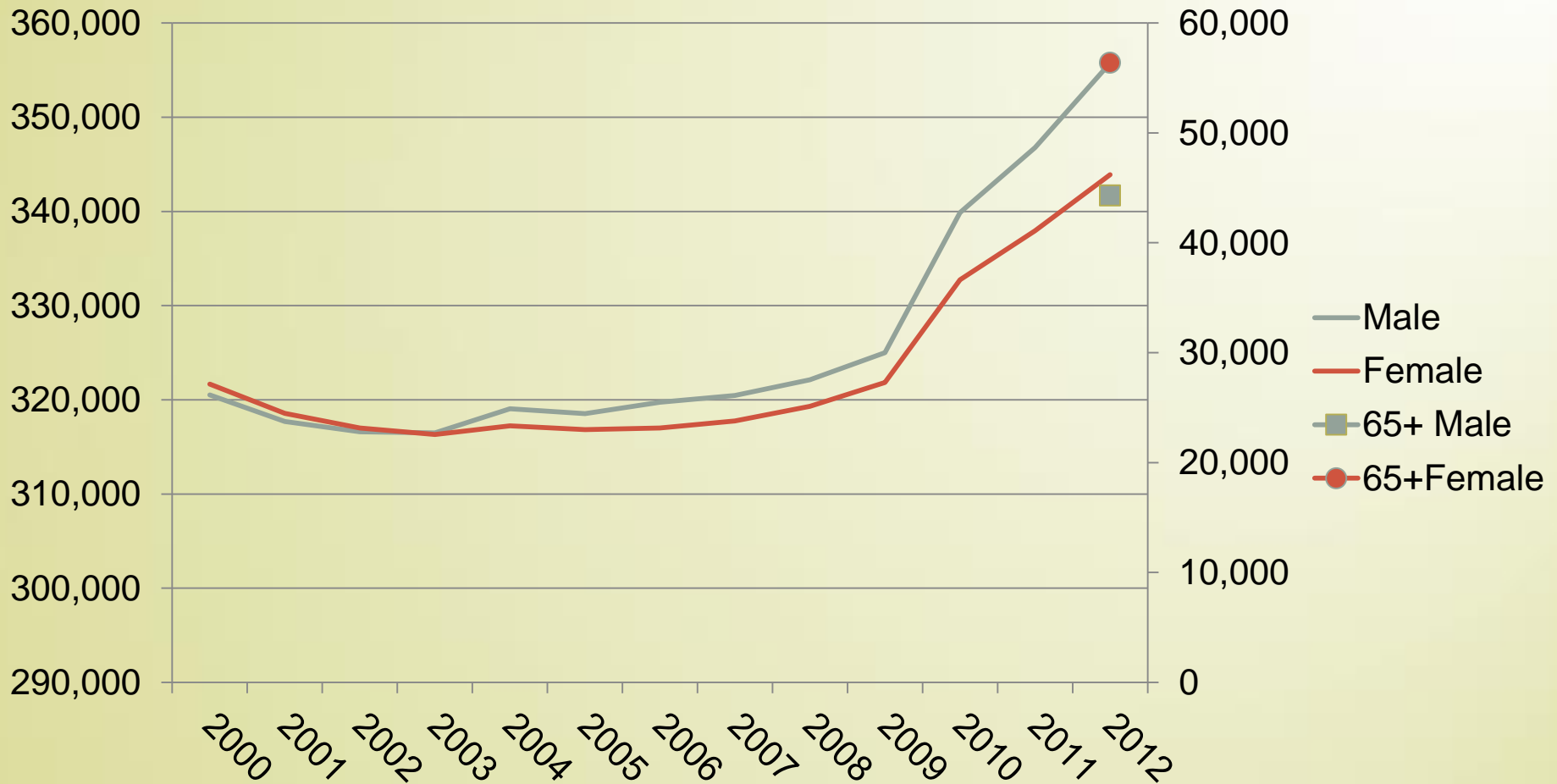
Population by age and race

North Dakota, 2012



Diversity is increasing, with a greater proportion of residents Of Color in the younger age groups

Gender Distribution: Total and by 65+



Source: U.S. Census Bureau, Population Division

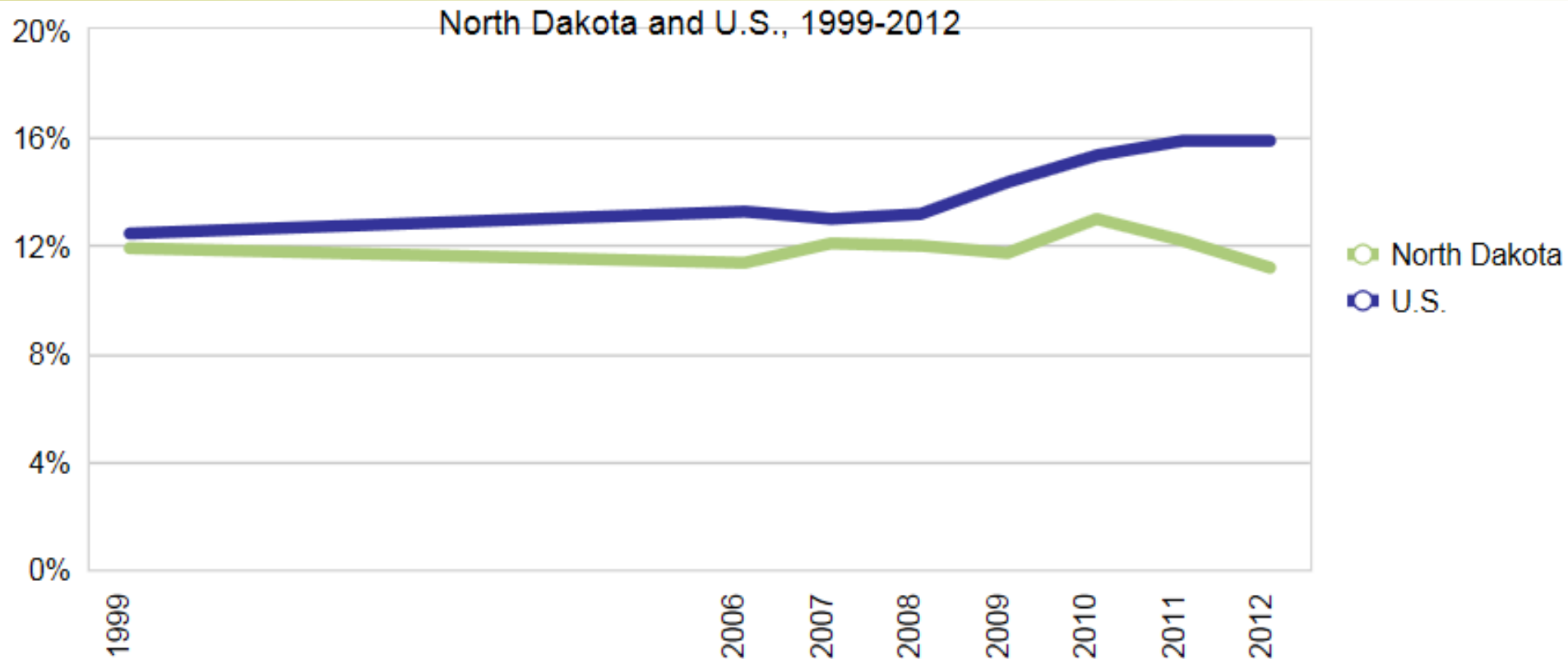
Among older adults in North Dakota, there were 77 men for every 100 women.*

Center for Social Research at NDSU

*North Dakota's Aging Population

<http://www.ndcompass.org/aging/library.php?libItemID=1163#.UhoYfD9KbK4>

Individuals Below the Poverty Level



A consistent rate of poverty in North Dakota, although consistently below national averages; 2012 = 11.2%.

The Census Bureau uses a set of dollar value thresholds that vary by family size and composition to determine who is in poverty. In July 2012, the federal poverty threshold was about \$23,068 for a family consisting of two adults and two minor children.

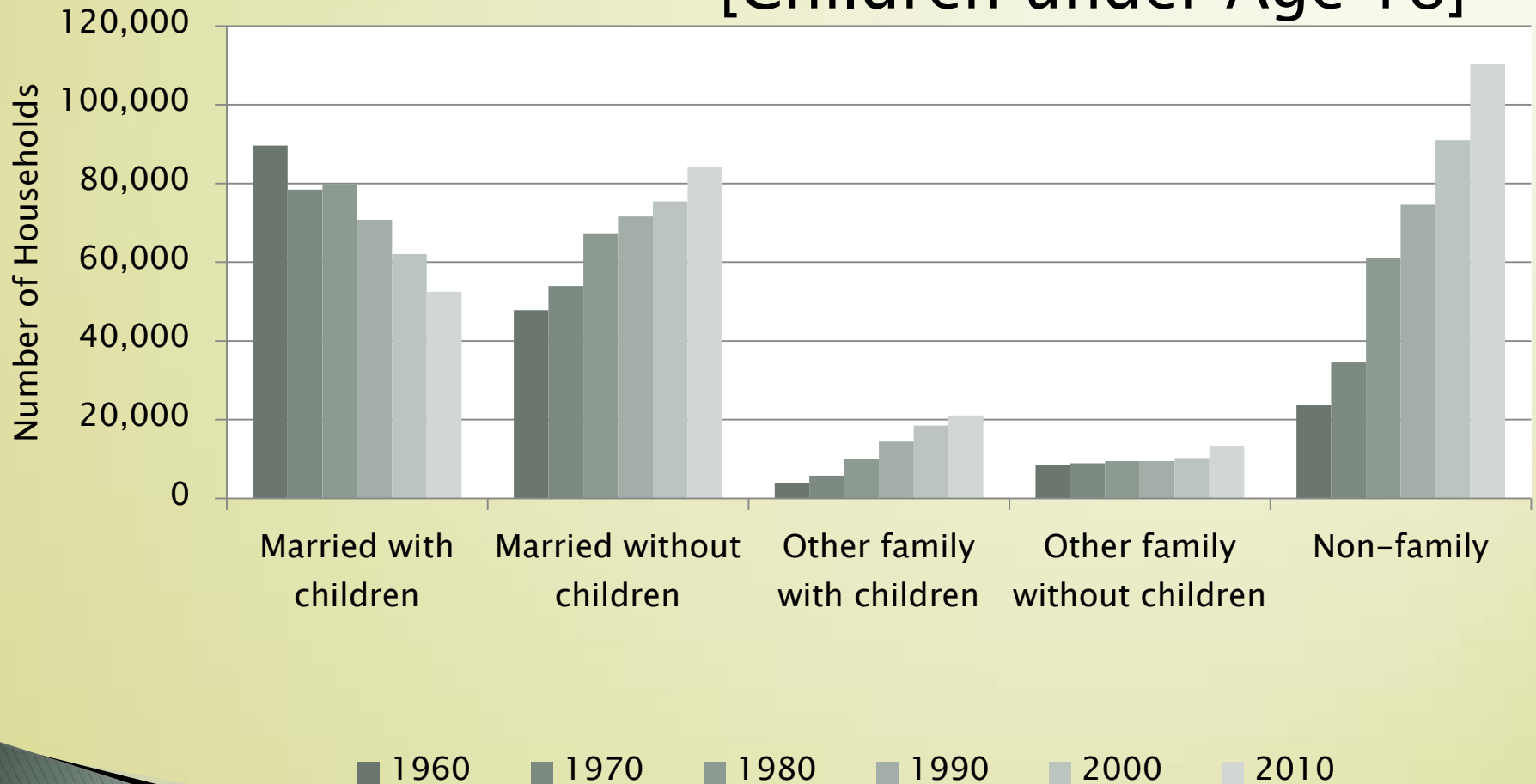
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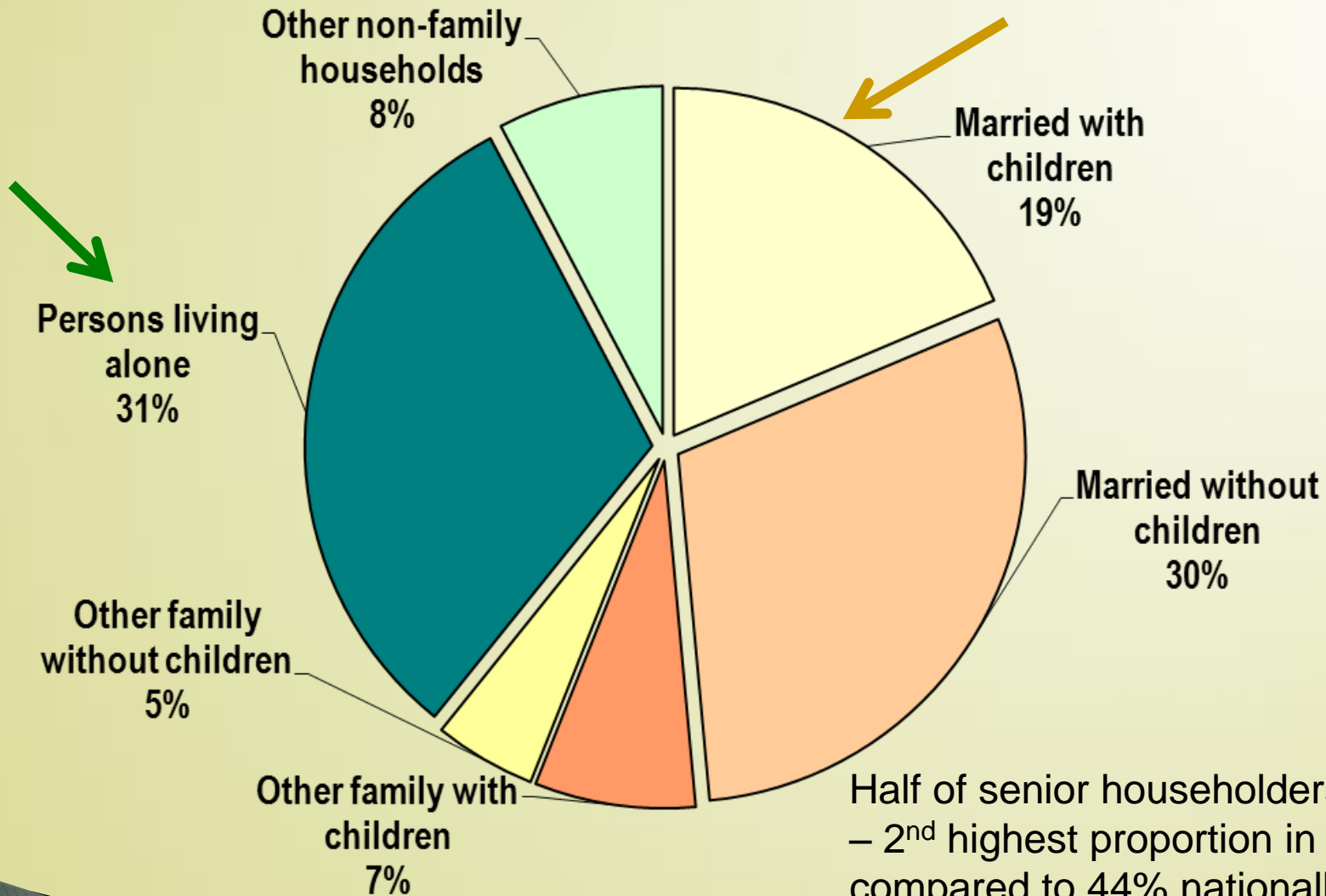
Households And Families

North Dakota Households by Type 1960 to 2010

[Children under Age 18]



Household Types in ND: 2010



Source: U.S. Census Bureau

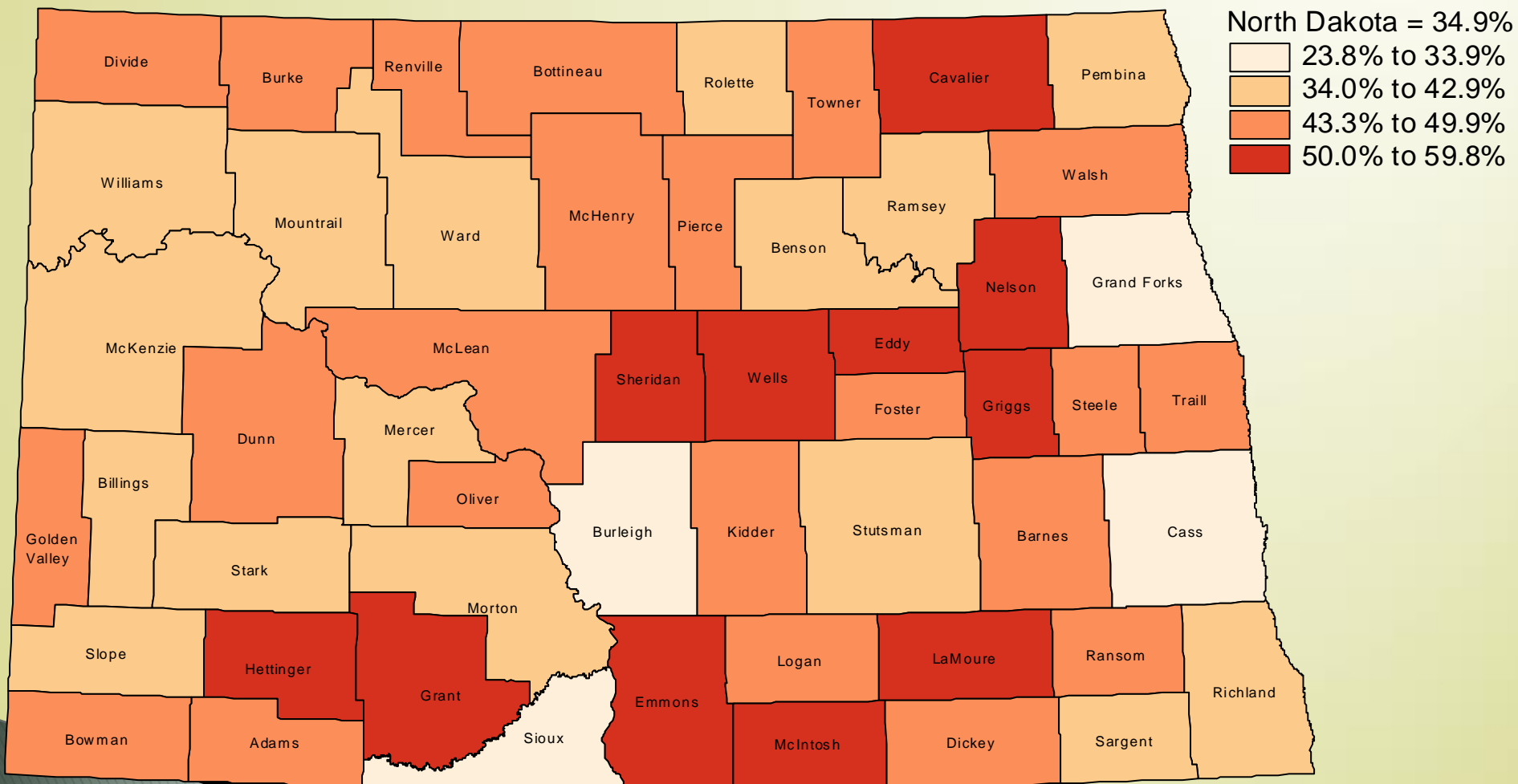
Half of senior householders live alone – 2nd highest proportion in the nation – compared to 44% nationally. 72% of senior householders living alone are female.*

*North Dakota's Aging Population

Single 65+ Senior Households: 2010

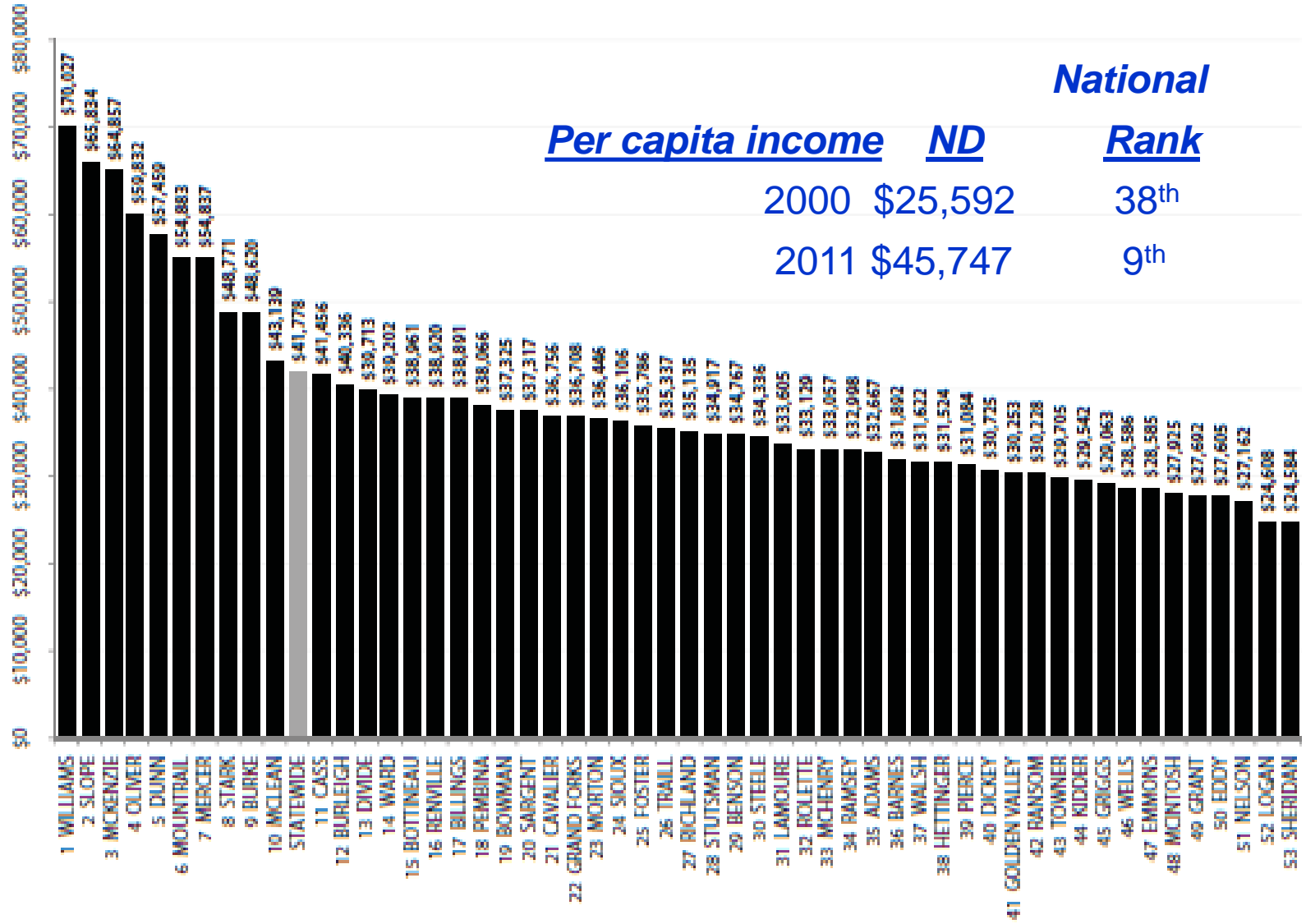
Of Householders Living Alone, Percent Age 65 Plus in North Dakota by County: 2010

Source: U.S. Census Bureau, 2010 Census Demographic Profile

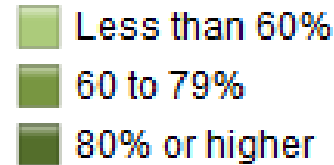
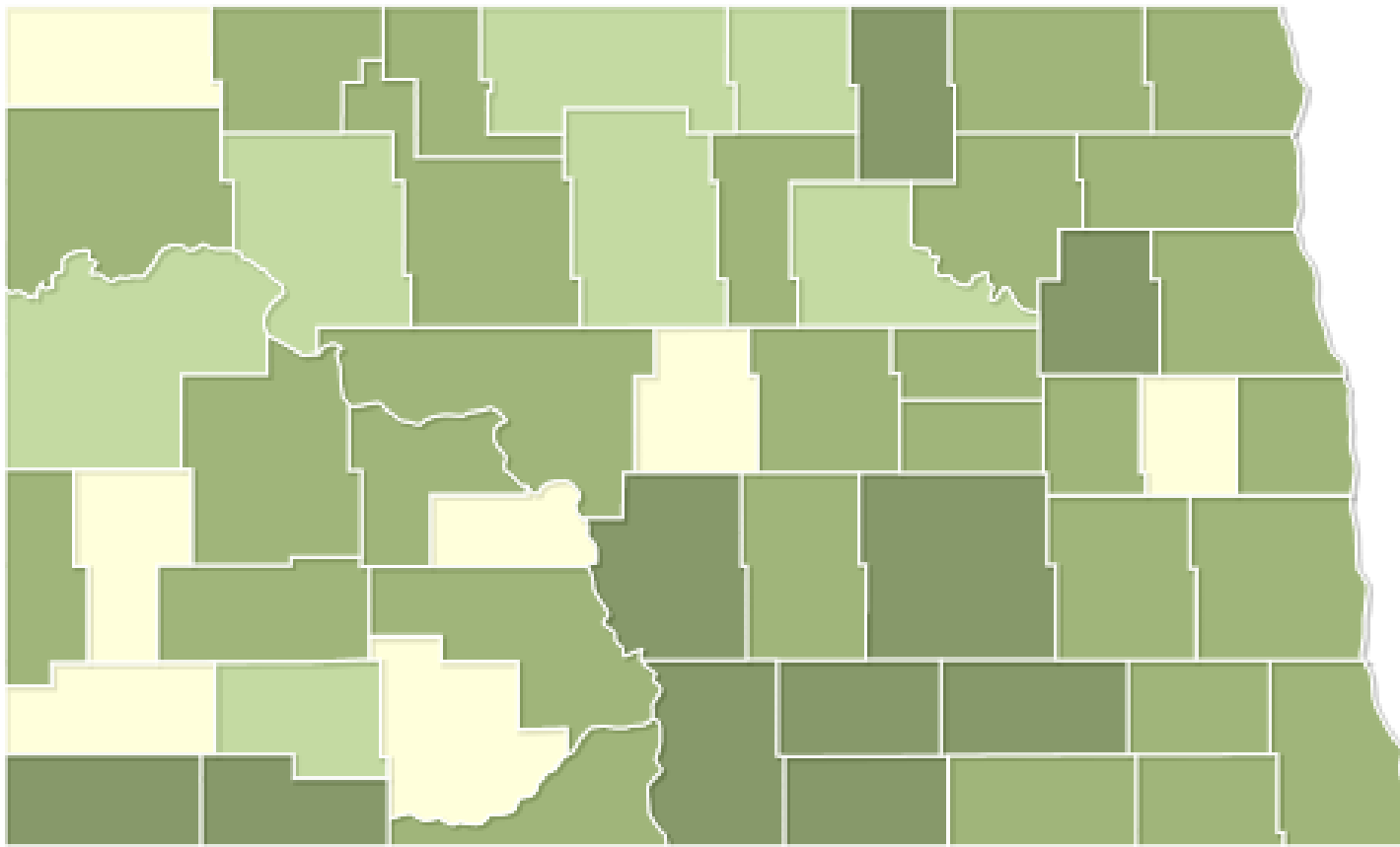


Average 2011 Wage in North Dakota

AVERAGE ANNUAL WAGE BY COUNTY



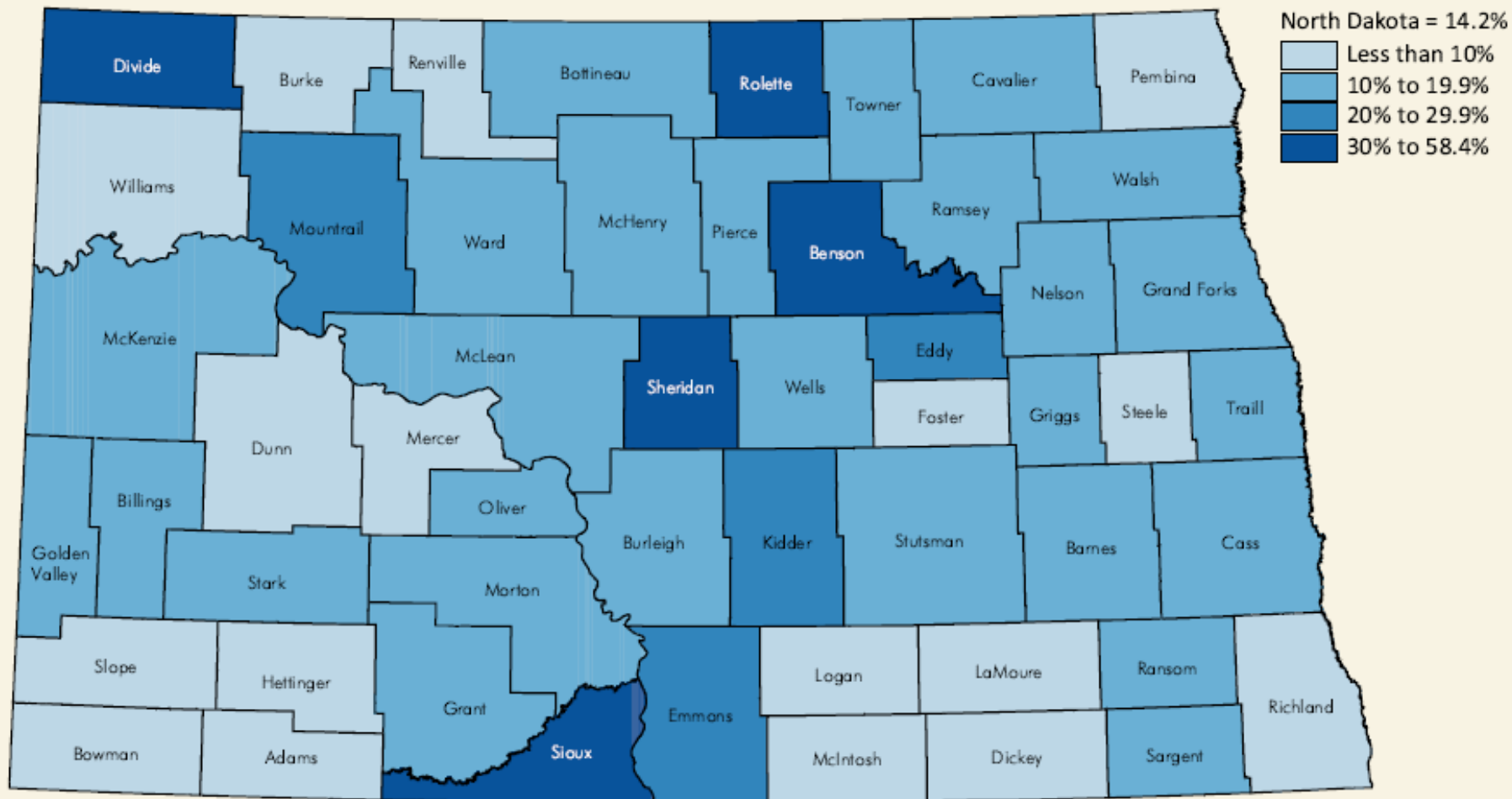
Young Children for Whom All Parents are Working: North Dakota Counties, 2007–2011



Compiled by

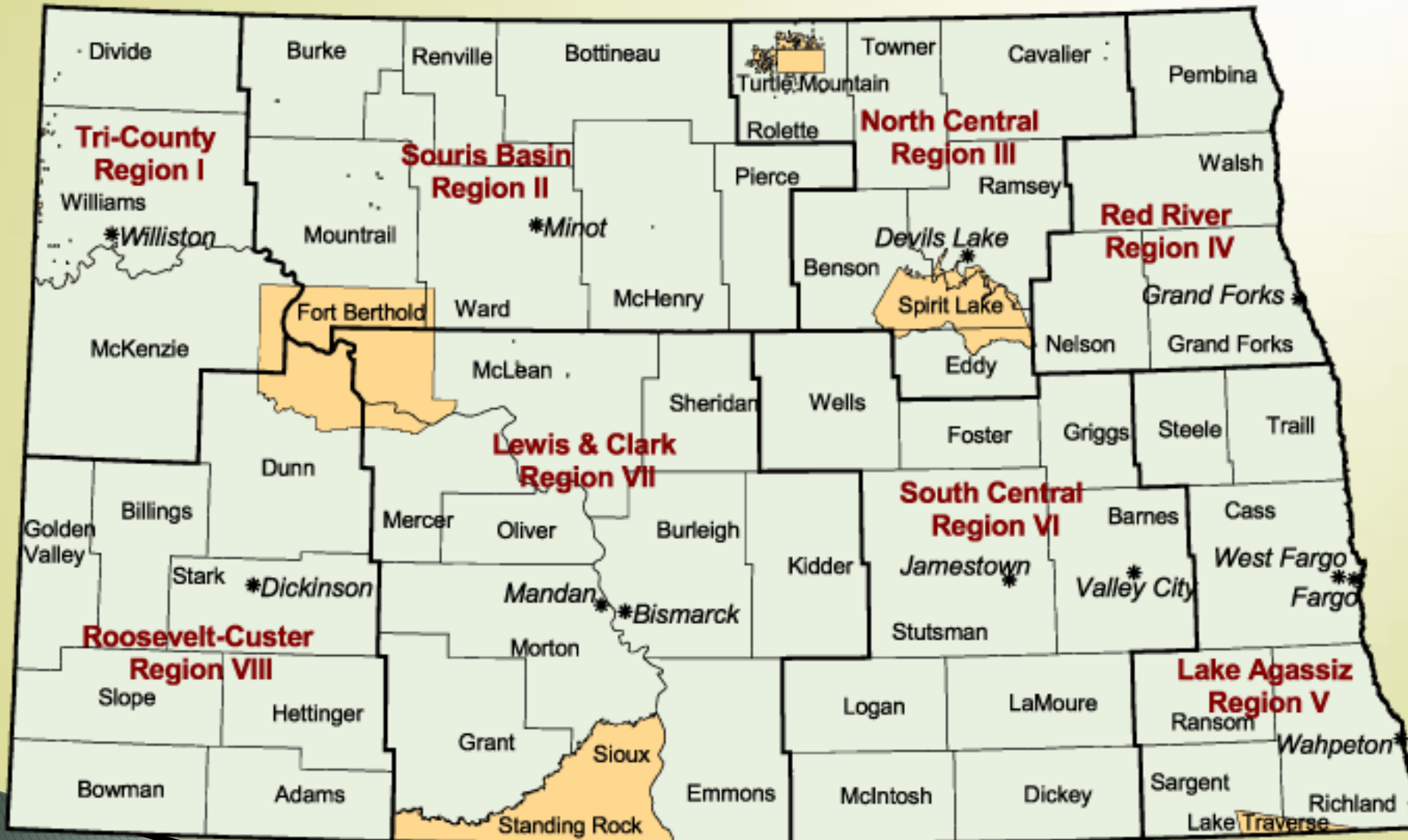
High proportions of workers across the state,
including women with young children;
among the highest rates in the country at 74%;
US average is 65%

Children Ages 0-17 Living in Poverty in North Dakota: 2010



Source: U.S. Census Bureau, 2006-2010 American Community Survey 5-Year Estimates, B17001

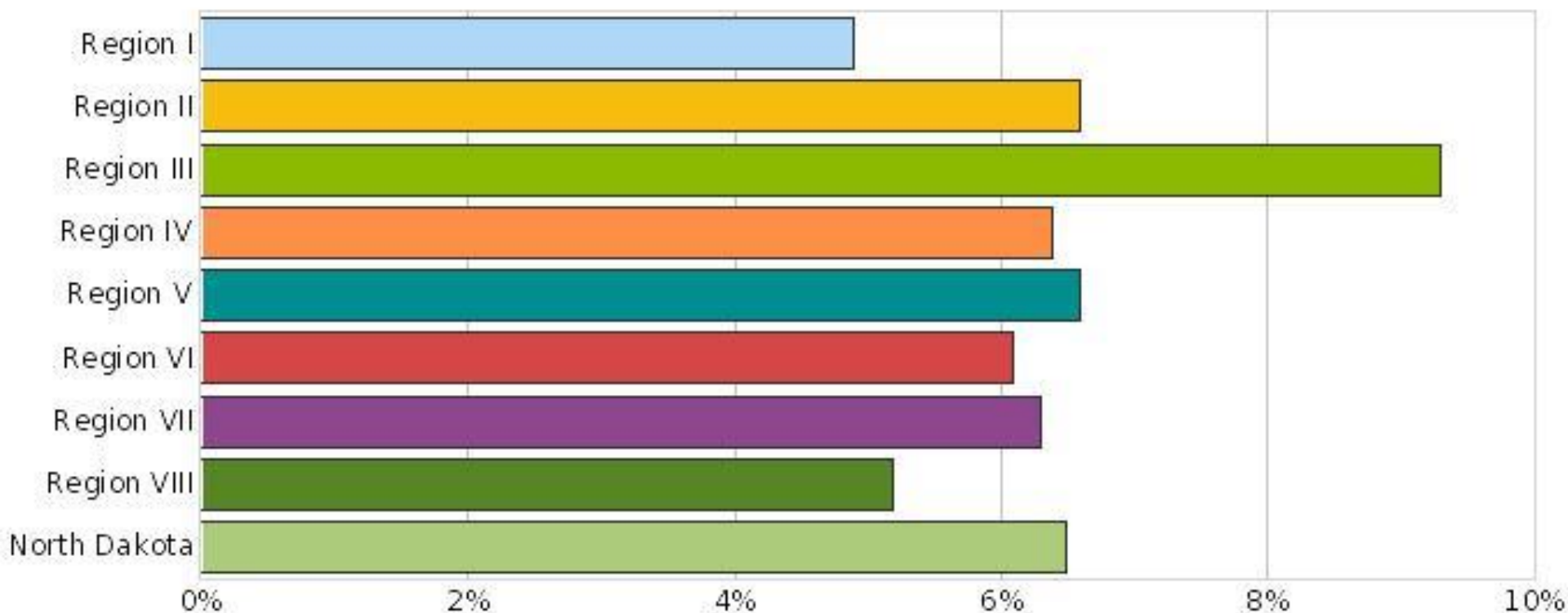
Planning Regions of the State



Babies Born at Low Birth Weight

Babies born at low birth weight (all births)

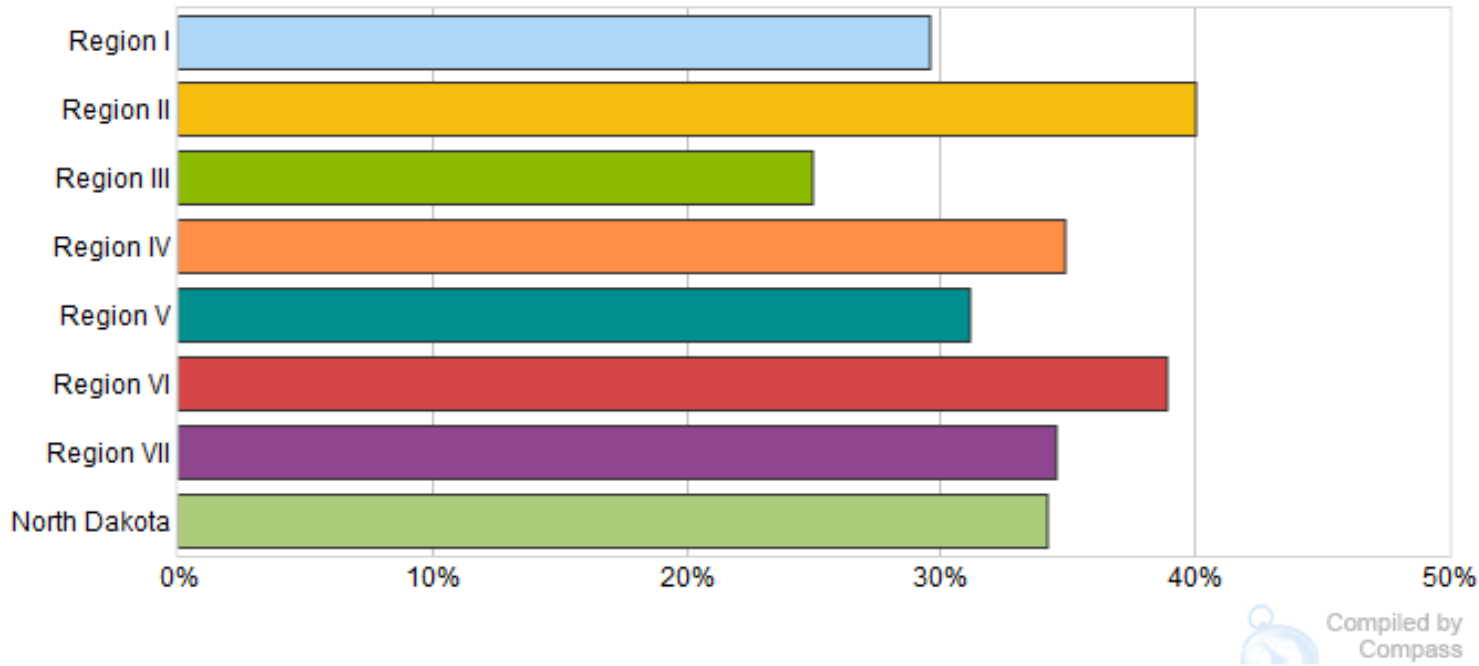
By planning region, North Dakota, 2011



9.3% in Region 3, 4.9% in Region 1,
6.5% of all births statewide;

Percent of 3 and 4 year olds enrolled in preschool

By planning region, North Dakota, 2007-2011



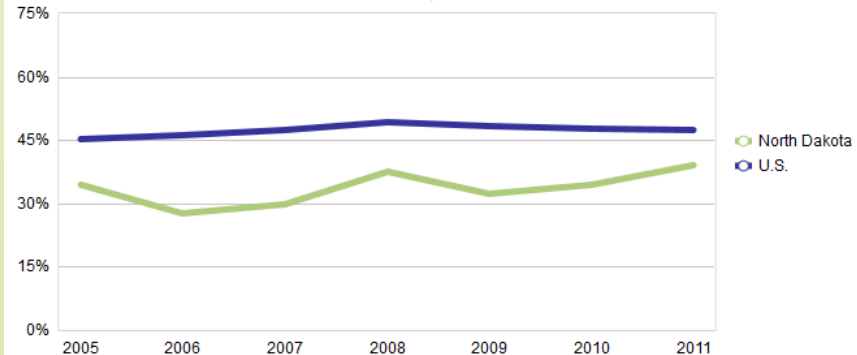
Notes:

The estimates shown here are based on data collected between 2007 and 2011, and therefore they describe the average characteristics for that 5-year time period. A reliable estimate of preschool enrollment was not available for Region VIII over this time period.

Percent of children in preschool varies widely, but North Dakota average is lower than national average.

Percent of 3 and 4 year olds enrolled in preschool

North Dakota and U.S., 2005-2011



Annual Cost of Licensed Child Care

<u>Age of Child</u>	Family and Group		Center	
	<u>Average</u>	<u>Highest Rate</u>	<u>Average</u>	<u>Highest Rate</u>
Ages 0 to 17 months	\$6,455	\$16,380	\$8,066	\$15,093
18 to 35 months	\$6,285	\$14,040	\$7,705	\$14,625
Ages 3 to 5	\$6,158	\$11,700	\$7,158	\$13,923

Average annual cost of sending an infant to a center-based licensed child care facility in North Dakota in 2012 = \$8,066.

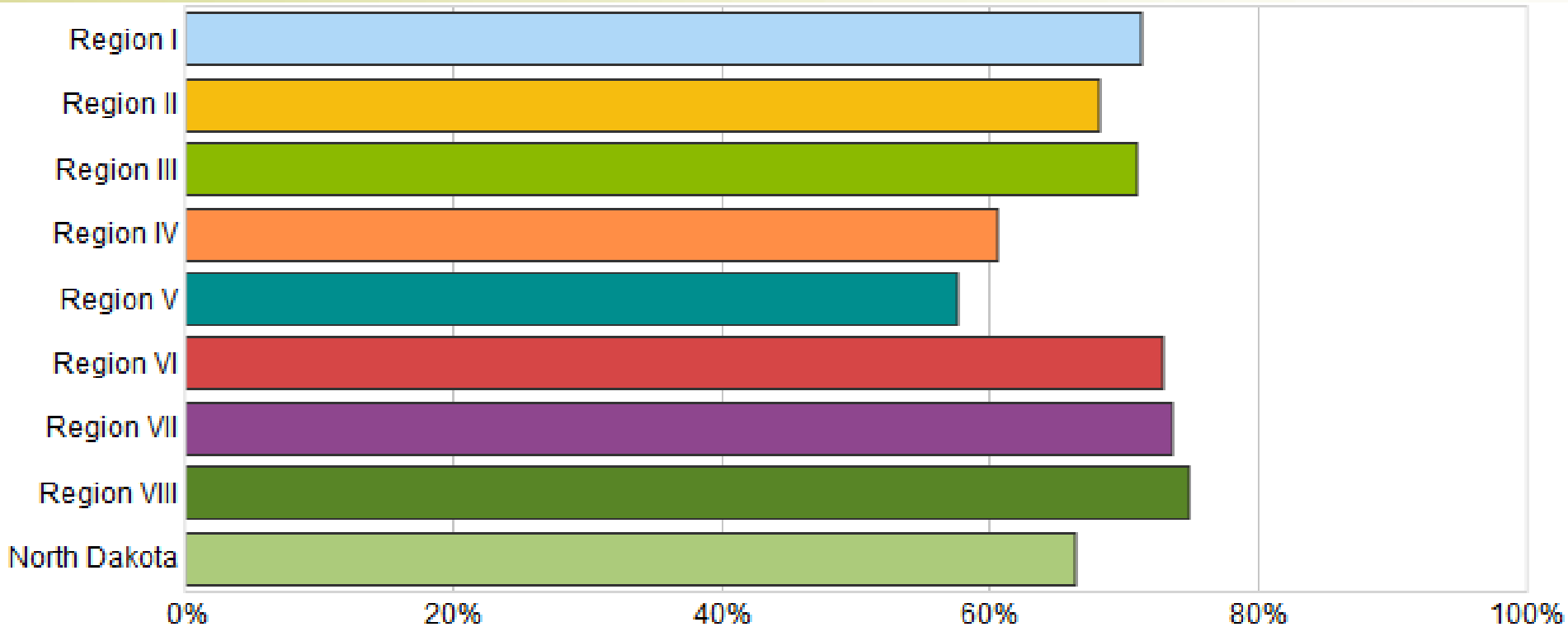
Regional differences exist with average costs in Cass County=\$8923.

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Housing Affordability

Homeownership Rate: 2007-11

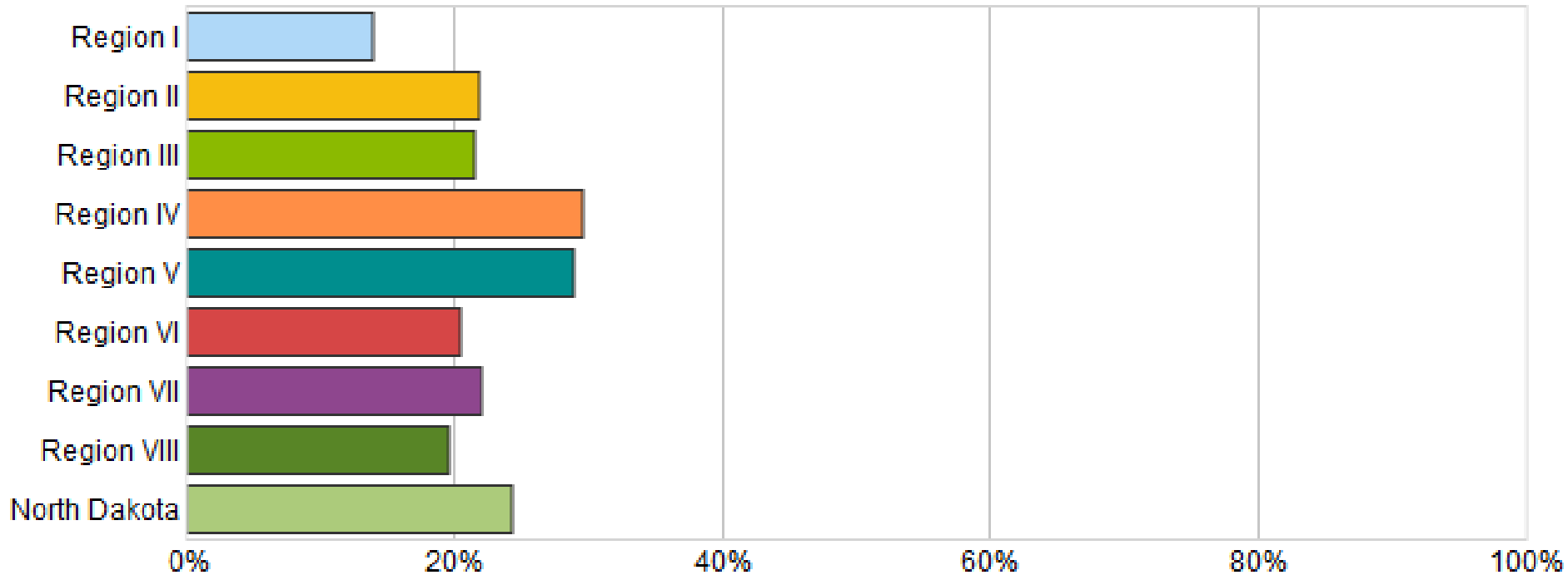


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2 in 3 households owns their home (67%)
Rates are as low as 58% in Region V

Households Burdened by Housing Costs (30% or More of Income toward Housing Costs)

By planning region, North Dakota, 2007-2011



1 in 4 (24%) households is cost-burdened.
Burden varies across state, as high as 30% in Region IV.

North Dakota Annual Income Level Category and Housing Affordability, 2010

Income Categories Based on Income as a Percentage of the Median Family Income (MFI) FY 2010
(FY 2010 MFI=\$61,500 in North Dakota)

Characteristic	Extremely low: 0% to 30% MFI		Very Low: 31% to 50% MFI		Low Income: 51% to 80% MFI		Moderate: 81% to 115% MFI		Upper: Above 115% MFI		Tax Credit: 51% to 60% MFI	
	From:	To:	From:	To:	From:	To:	From:	To:	From:	To:	From:	To:
	Annual Income Ranges (\$)	\$0	\$18,450	\$18,451	\$30,750	\$30,751	\$49,200	\$49,201	\$70,725	\$70,726	and above	\$30,751
Monthly Affordable Housing Costs (\$)	\$0	\$461	\$462	\$769	\$770	\$1,230	\$1,231	\$1,768	\$1,769	and above	\$770	\$923
Affordable Purchase Price (\$)	\$37,741		\$62,845		\$100,665		\$144,923		\$174,814		\$75,738	
% of Owner-Occupied Housing Units That Are Affordable	16.2%		28.9%		56.6%		67.3%		77.5%		33.8%	
% of Renter-Occupied Housing Units That Are Affordable	35.2%		75.4%		87.7%		90.1%		90.1%		84.1%	

Sources: U.S. Department of Housing and Urban Development and the Center for Social Research at NDSU

43% in 2004

83% in 2004

69% in 2004

91% in 2004

96% in 2004

86% in 2004

Elderly Householders Burdened by Housing Costs (30% or More of Income toward Housing Costs) 2000 and 2010

	2000		2010	
	Owner-Occupied Households	Renter-Occupied Households	Owner-Occupied Households	Renter-Occupied Households
All householders 65 and older	32,980	16,124	44,819	16,449
Cost-burdened	5,087	6,129	9,713	8,080
Percent	15.4%	38.0%	21.7%	49.1%

Source: U.S. Census Bureau

41% increase

29% increase

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Access to Housing

Needed Beds for North Dakota Homeless, July 27, 2011

Area	Needed Beds as of July 27, 2011							
	Emergency Shelter		Transitional Housing		Permanent Supportive Housing		Total	
	Number	% of Regional Total	Number	% of Regional Total	Number	% of Regional Total	Number	% of Regional Total
North Dakota	385	25.6%	460	30.6%	660	43.9%	1,505	100.0%
Region I	125	68.7%	41	22.5%	16	8.8%	182	100.0%
Region II	44	21.0%	120	57.1%	46	21.9%	210	100.0%
Region III	50	62.5%	10	12.5%	20	25.0%	80	100.0%
Region IV	31	25.0%	11	8.9%	82	66.1%	124	100.0%
Region V	21	5.5%	29	7.7%	329	86.8%	379	100.0%
Region VI	10	23.3%	9	20.9%	24	55.8%	43	100.0%
Region VII	60	29.3%	65	31.7%	80	39.0%	205	100.0%
Region VIII	44	15.6%	175	62.1%	63	22.3%	282	100.0%

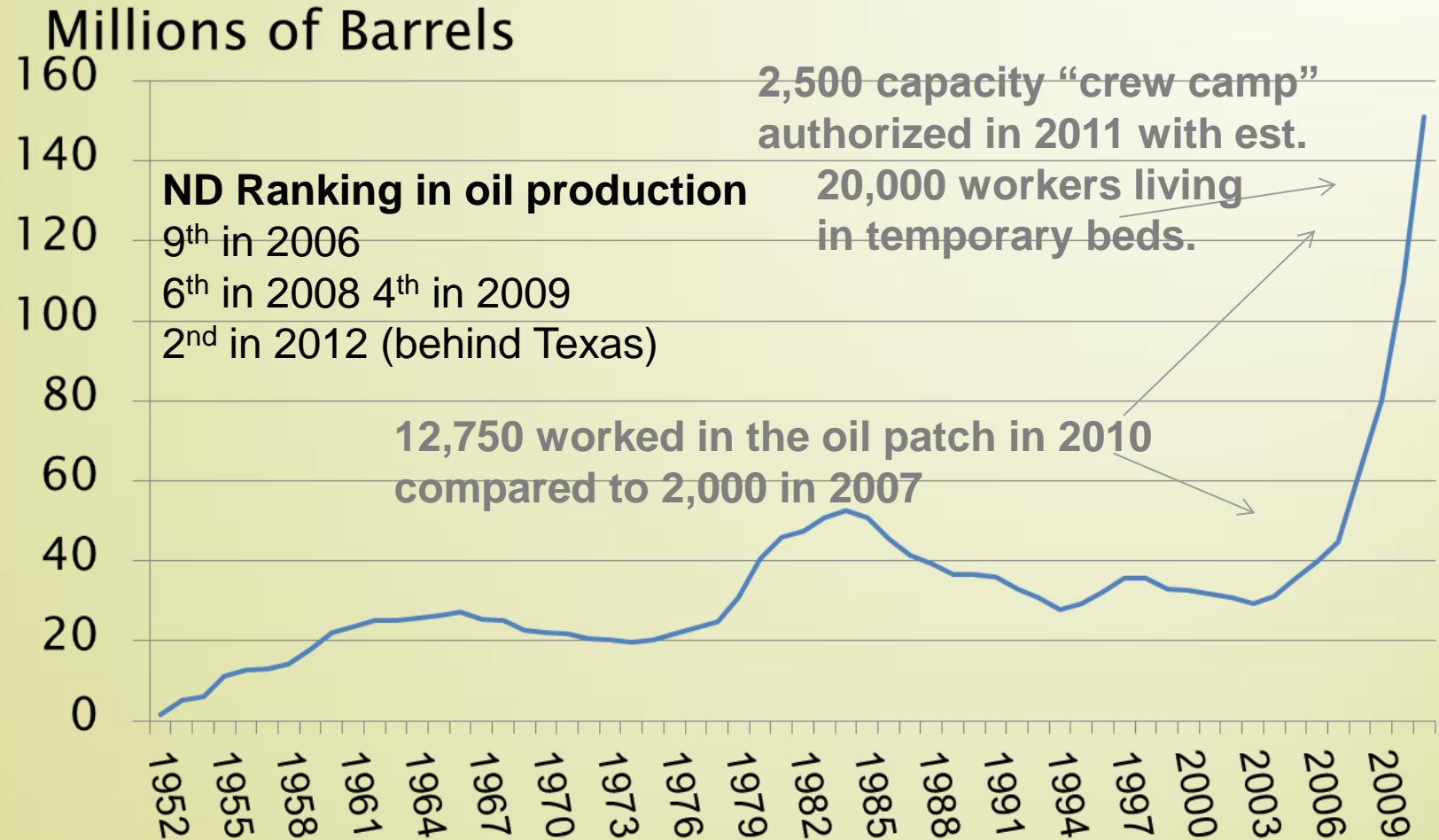
North Dakota Housing Supply by Occupancy Status and Tenure, 1990, 2000, and 2010

Occupancy and Tenure	1990	2000	2010	% Change: 2000-10
Total housing units	276,340	289,677	317,498	9.6%
Occupied housing units	240,878	257,152	281,192	9.3%
Owner-occupied	157,950	171,310	183,943	7.4%
Percent of all occupied housing	65.6%	66.6%	65.4%	-1.8%
Renter-occupied	82,928	85,842	97,249	13.3%
Percent of all occupied housing	34.4%	33.4%	34.6%	3.6%
Vacant housing units	35,462	32,525	36,306	11.6%
Percent of total housing units	12.8%	11.2%	11.4%	1.8%

Source: U.S. Census Bureau, Decennial Census. Please note that the U.S. Census Bureau's American Community Survey 2006-2010 5-Year Estimates were used in the state and regional profiles of this study to be consistent with modeling efforts. Thus, there will be slight differences in the 2010 data between this

Shift in housing from owner to renter

Annual Crude Oil Production in North Dakota: 1952 to 2011

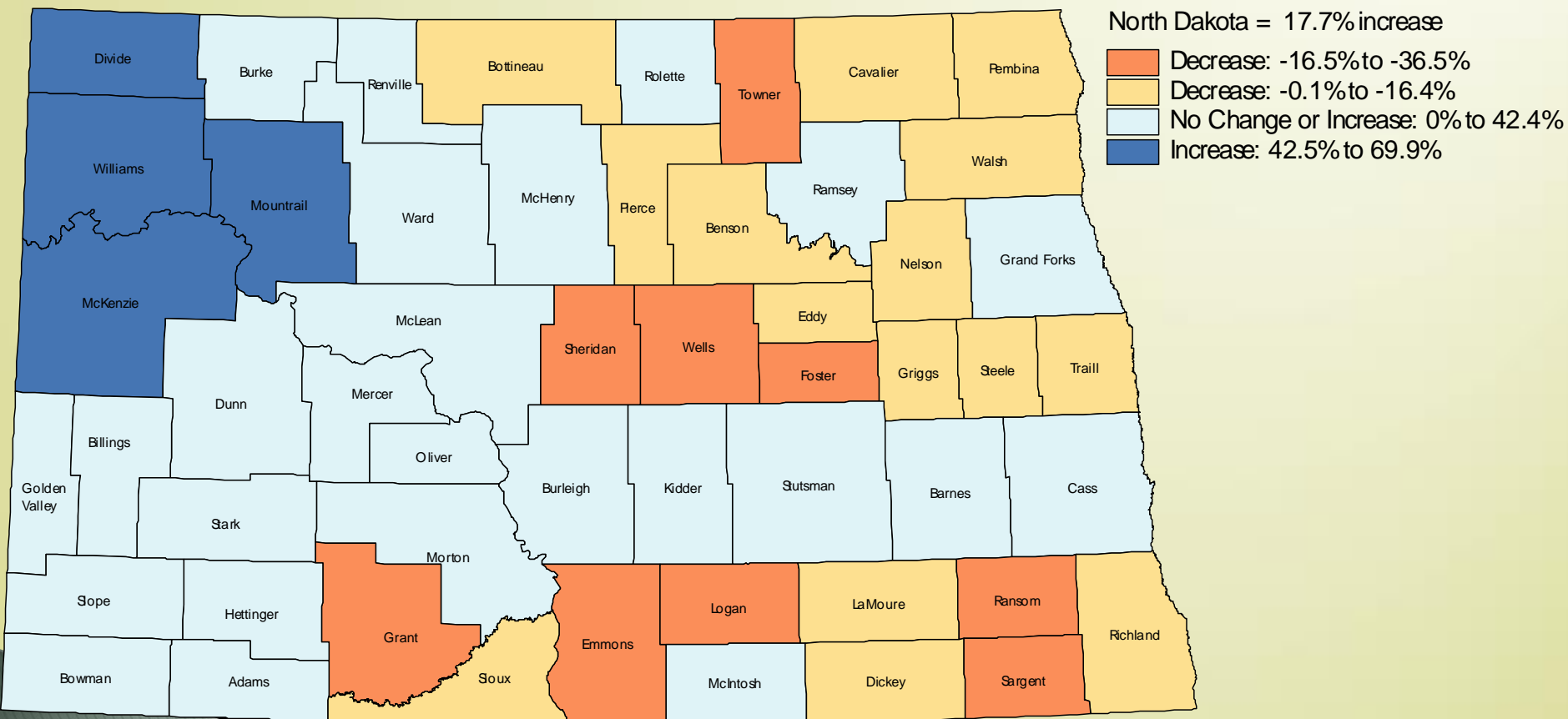


Source: North Dakota Industrial Commission, Oil and Gas Division, <https://www.dmr.nd.gov/oilgas/>.

Young Adults Ages 25 to 34

Percent Change in the Population of Persons Ages 25 to 34 in North Dakota by County: 2000 to 2010

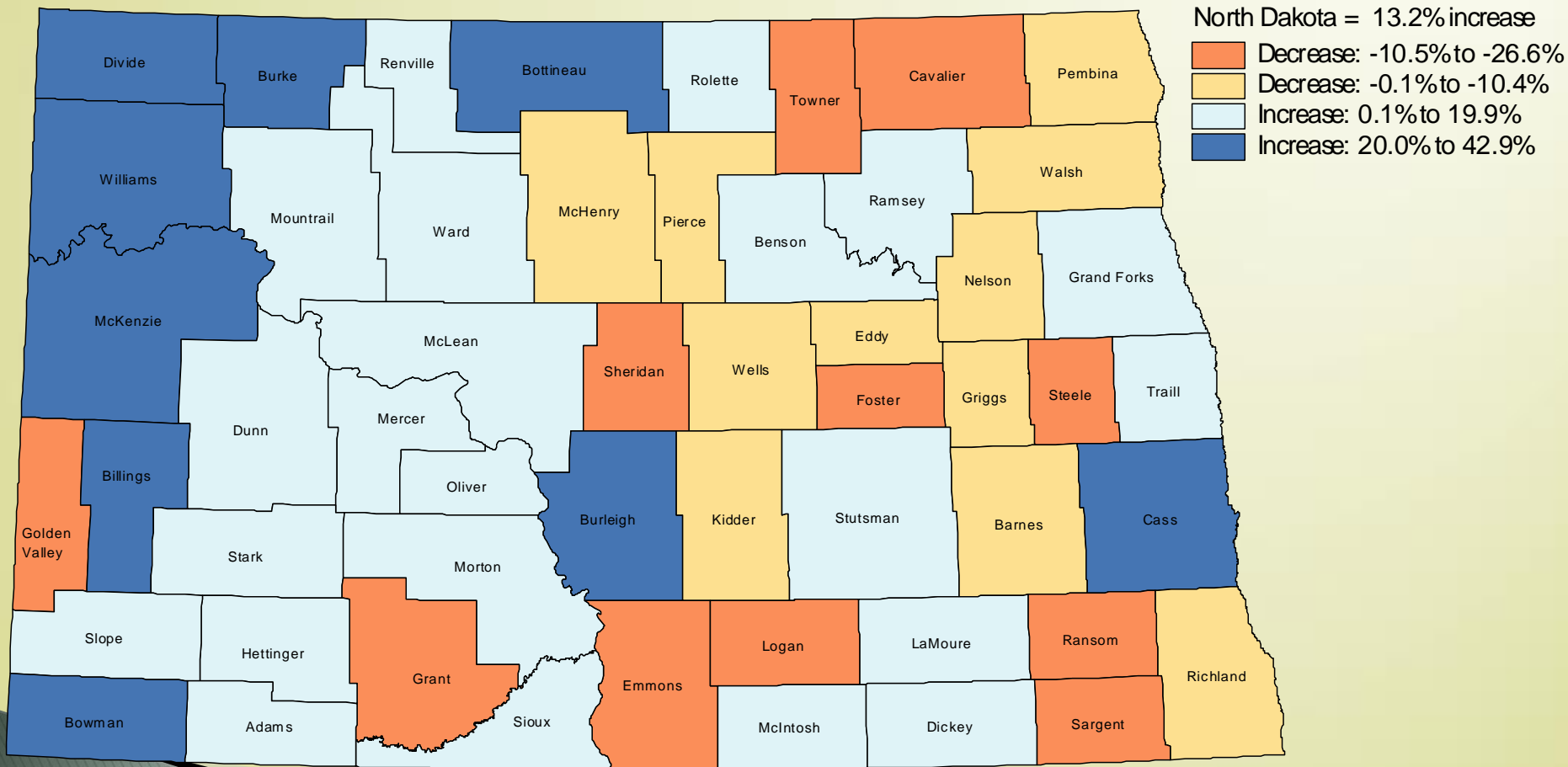
Source: U.S. Census Bureau, 2000 and 2010 Census



Young Children Ages 0 to 4

Percent Change in the Population of Persons Ages 0 to 4 in North Dakota by County: 2000 to 2010

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



Projected Housing Demand Between 2010-2025

Age of householder (30% increase in total)

- Under age 25 will grow by 1.5% (394)
- 25–44 grow 42% (over 37,000)
- 45–64 will increase 9% (nearly 9,000)
- 65 and over will increase 60% (nearly 37,000)

Projected Housing Demand

Between 2010-2025

Income of householder

- Below 30% MFI will increase 31 (17,263)
- 31–50% MFI will increase 32% (10,462)
- 51–80% MFI will increase 31% (17,801)
- 81–115% MFI will increase 30% (16,695)
- 115% + MFI will increase 28% (21,192)
- 51–60% MFI will increase 31% (9,567)

Projected Housing Demand

Between 2010-2025

Type of householder

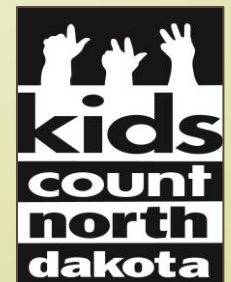
- **First-time homebuyer will increase 35%**
 - Ages 15–44 and \$30,000 – \$74,999
- **Upscale homebuyer will increase 25%**
 - Ages 15–64 and \$less than \$50,000
- **Low-income homebuyer will increase 19%**
 - Ages 15–64 and less than \$50,000
- **Moderate homebuyer will increase 26%**
 - Ages 25–64 and \$50,000 – \$74,999
- **Elderly homebuyer will increase 60%**
 - Ages 65 +

North Dakota KIDS COUNT Program



North Dakota KIDS COUNT

- ▶ Funded by the Annie E. Casey Foundation
- ▶ Partnership with NDSU
- ▶ Mission:
 - *To provide accurate, current data on child well-being in order to inform local and state discussions about how to secure better futures for all of North Dakota's children.*
- ▶ All North Dakota KIDS COUNT resources are available for viewing and downloading at <http://www.ndkidscount.org>.



How KIDS COUNT Measures Child Well-Being

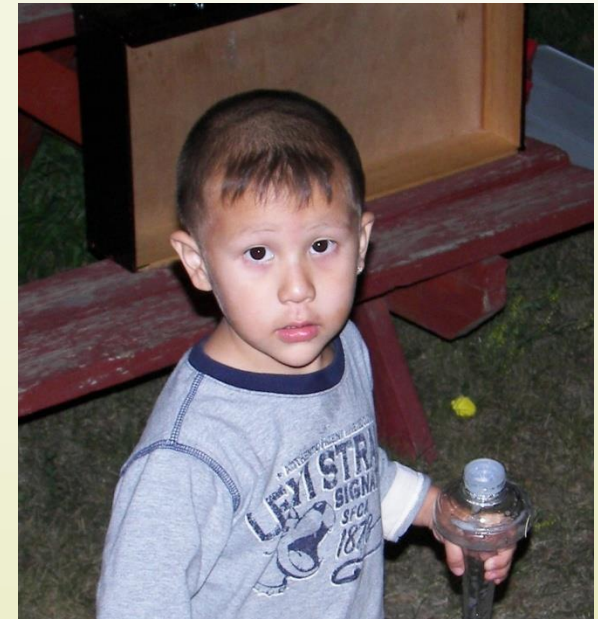
- ▶ National Data Book:
 - Four domains of child well-being
 - Economic well-being
 - Education
 - Health
 - Family and community



<http://datacenter.kidscount.org/publications/databook/2013>

Overall national KIDS COUNT ranking

- ▶ In 2013, North Dakota ranked 6th in the nation for overall child well-being
 - Economic well-being – #1
 - Education – #16
 - Health – #25
 - Family and community – #4



We strive for a frame that does not diminish successes but also highlights opportunities for further investment, and draws attention to areas of inequity that underlie some of our positive rankings

Seven Components of Child Well-Being Tracked by NDKC

1. Demographics
2. Family and Community
3. Economic Well-Being
4. Education
5. Early Care
6. Health
7. Safety and Risky Behaviors



2013 *Fact Book* was released in September
Karen Olson is a guest columnist for ND Compass in
September, talking about KIDS COUNT
Explore the 2013 *Statewide Profile*

KIDS COUNT data center

A PROJECT OF THE ANNIE E. CASEY FOUNDATION



DATA BY LOCATION

DATA BY TOPIC

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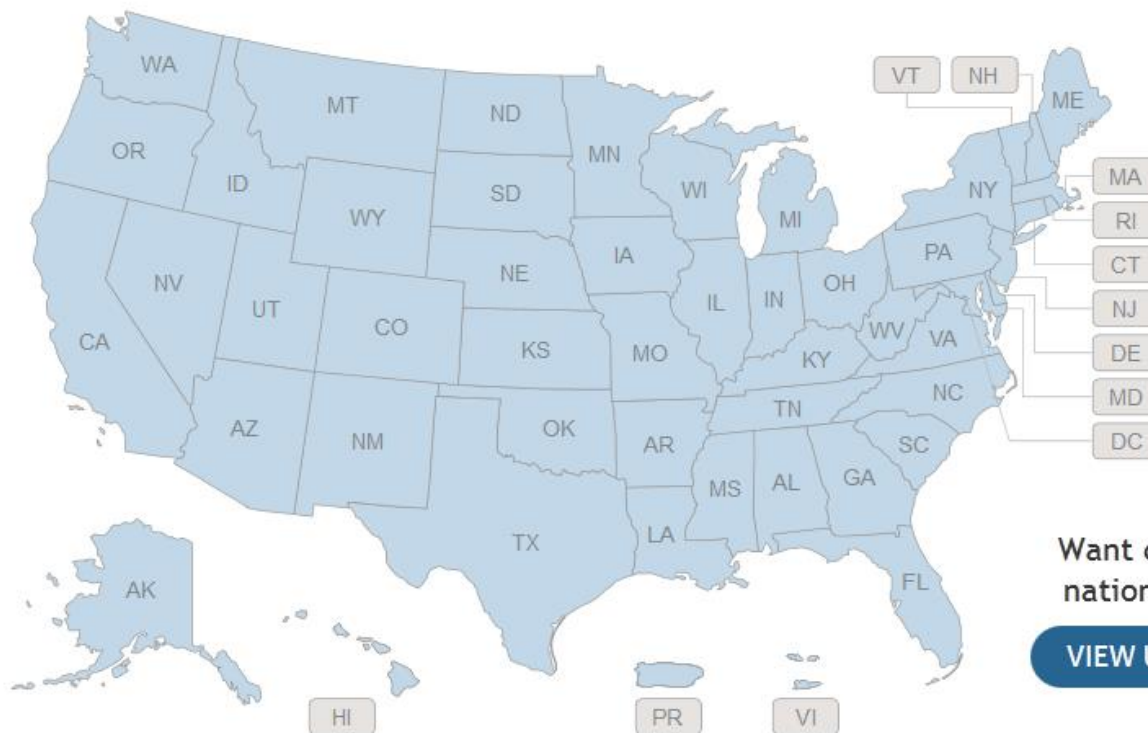
Enter any location, topic and/or keywords here

SEARCH DATA CENTER

Home > Locations

CHOOSE A STATE

Select a state from the map below to access state, county, city, congressional district data and more. Click on View U.S. Data to view national data. Pick indicator(s) of interest and create custom data reports, rankings, maps and graphs for geography of interest.



Want data on a national level?

VIEW U.S. DATA

- ▶ Many resources are available for viewing and downloading at <http://www.ndkidscount.org/>.
- ▶ We are very interested to know how you are able to use our resources. Please email us with feedback or comments. Thank you!

Karen Olson, Program Director
North Dakota KIDS COUNT at NDSU
Ph: 701.231.1060

Email: ndkidscount@yahoo.com or k.olson@ndsu.edu

Web: <http://www.ndkidscount.org>

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Verlin B. Hinsz, Ph.D.

Director

Center for Social Research

www.ndsu.edu/csr/

701-231-8621

Verlin.Hinsz@NDSU.edu

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