



UNIVERSITY OF NEBRASKA AT OMAHA

STATE AND LOCAL POPULATION TRENDS

With a Focus on CPAR Population Projections to 2050

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Center for Public Affairs Research, UNO

24th Annual Data Users Conference

Omaha, NE and on webcast

August 13, 2013 – 3:30 to 4:30 p.m.

Center for Public Affairs Research



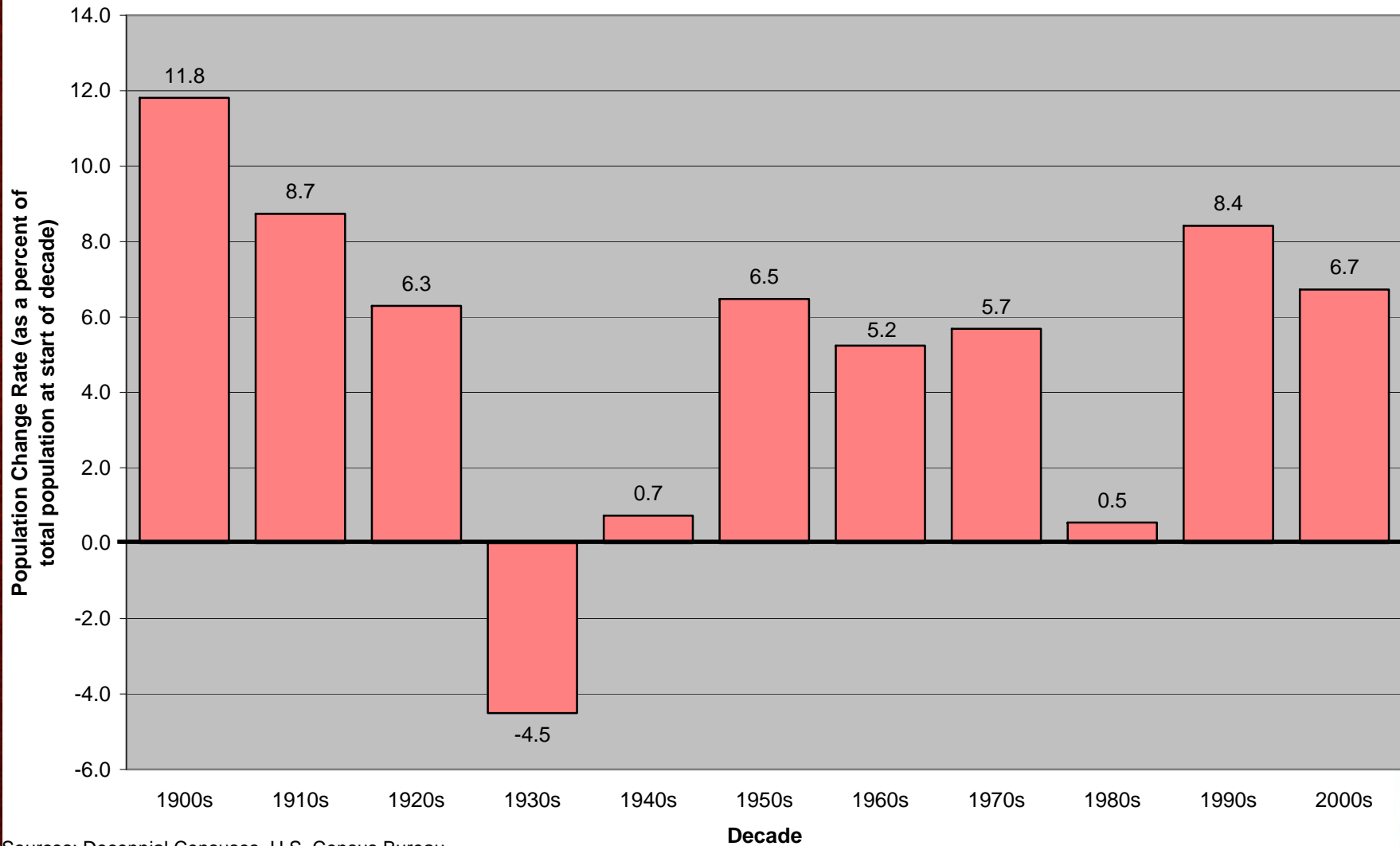
Themes and Takeaways

- Nebraska has had relatively high population growth of late – how long will it last?
 - Growth rate vs. U.S. bears watching given possible loss of Congressional seat in 2020
- Aging has had and will continue to have a big impact on the population (and its structure)
 - Items like poverty change with age
- Minority population groups will continue to gain a larger share of Nebraska's population
 - The White non Hispanic population suffers from continued outmigration; outright population losses of Whites are likely coming
- Migration is always a wildcard and can change quickly
 - We can see patterns and made educated calculations but no one knows for sure what will happen

Besides the 90s, 2000s growth was best since 1910s



Nebraska Population Change Rate by Decade: 1900s to 2000s

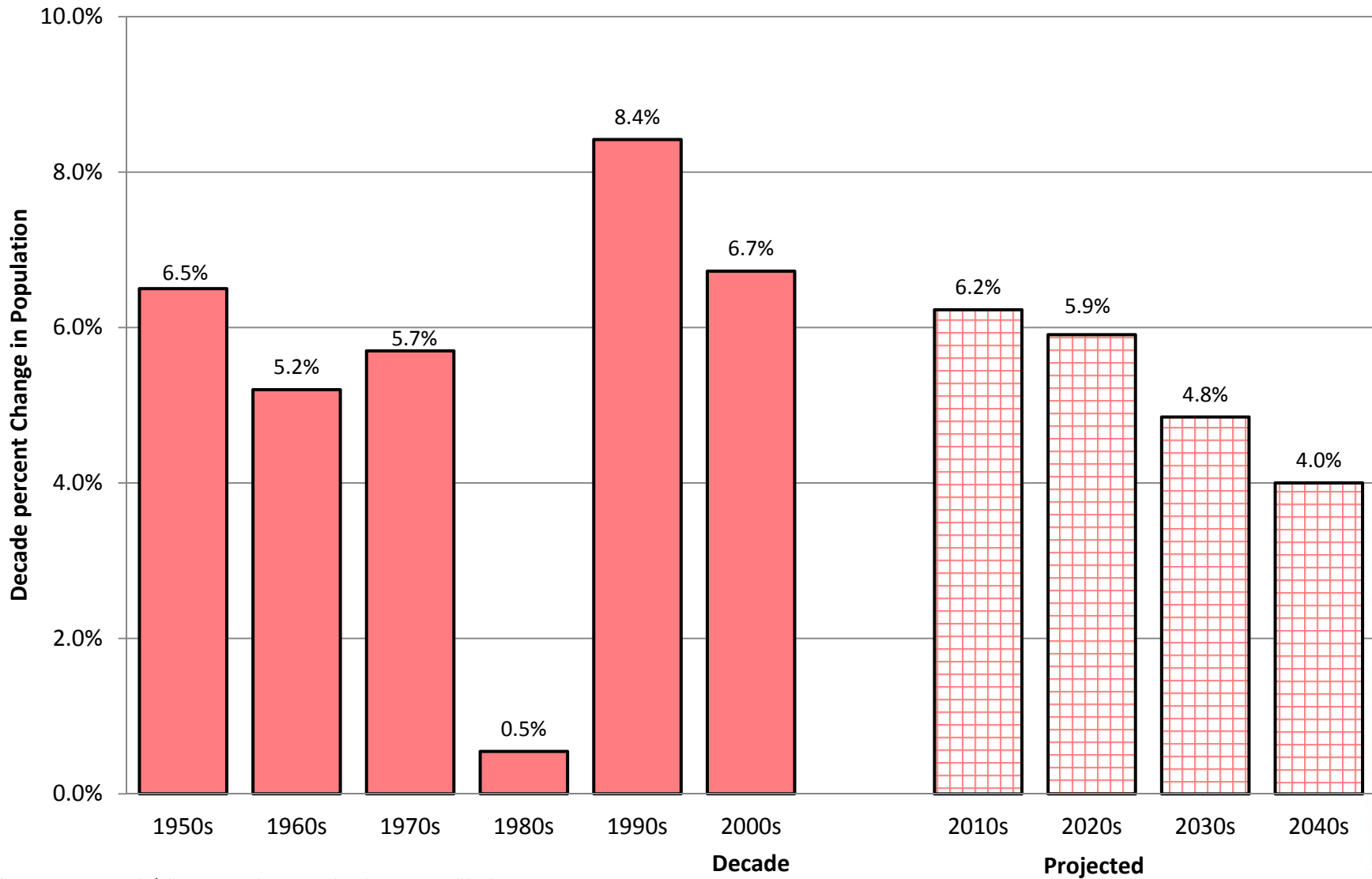


Sources: Decennial Censuses, U.S. Census Bureau



CPAR "Trend Model" Predicts Slowing Growth

Decade Percent Change in Nebraska Population: 1950 to 2010 with 2010 to 2050 Projection

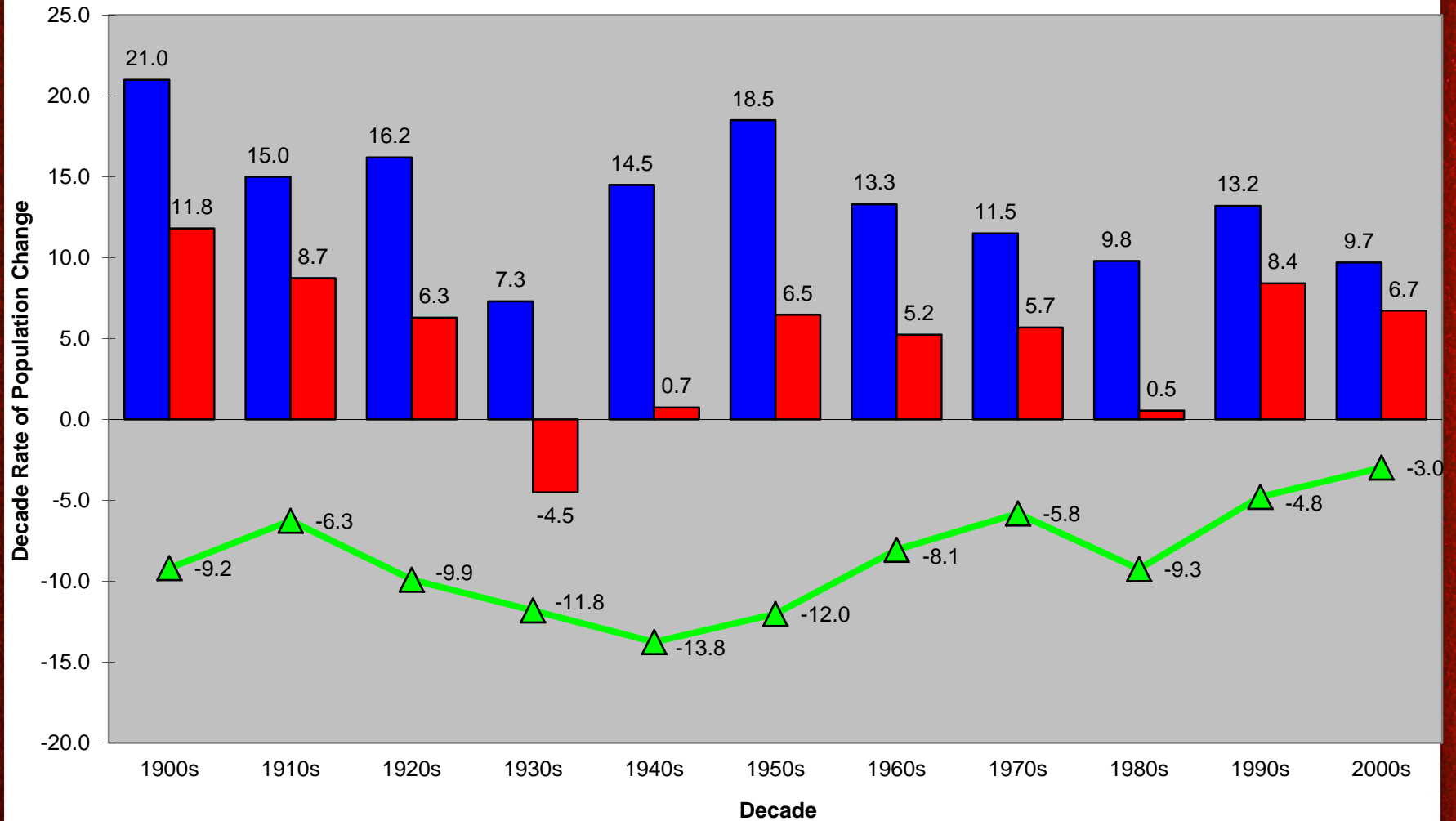


Sources: Decennial Censuses; CPAR projections, June 2013

Nebraska Population Change vs. U.S. Improving



Comparison of Population Change Rates in Nebraska and the U.S.: 1900s to 2000s decades



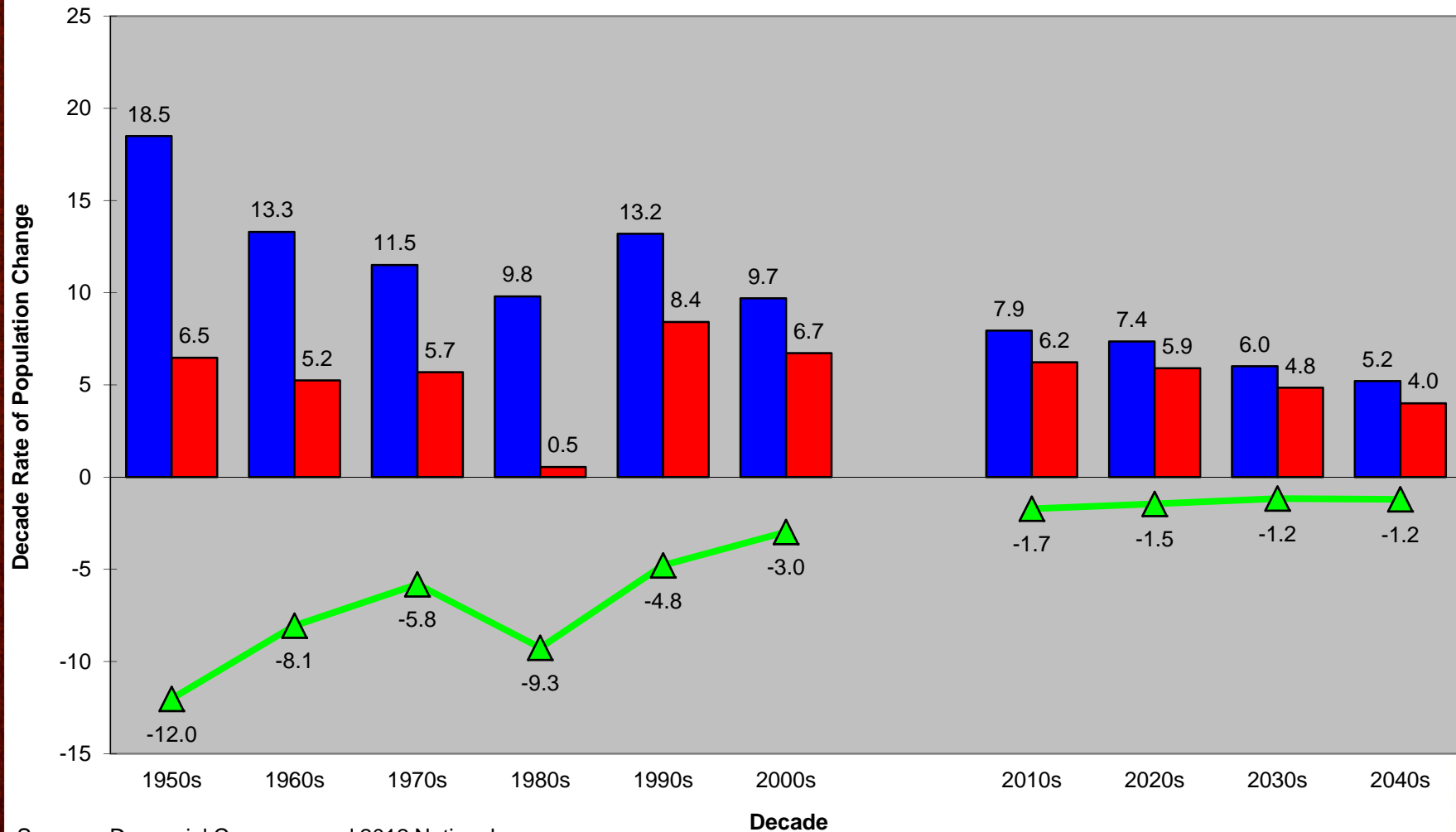
Sources: Decennial Censuses, U.S. Census Bureau

■ U.S. ■ Nebraska ▲ Difference

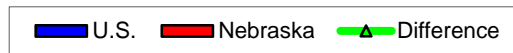
Nebraska & U.S. growth will likely slow, gap narrows



Comparison of Population Change Rates in Nebraska and the U.S.: 1900s to 2000s decades



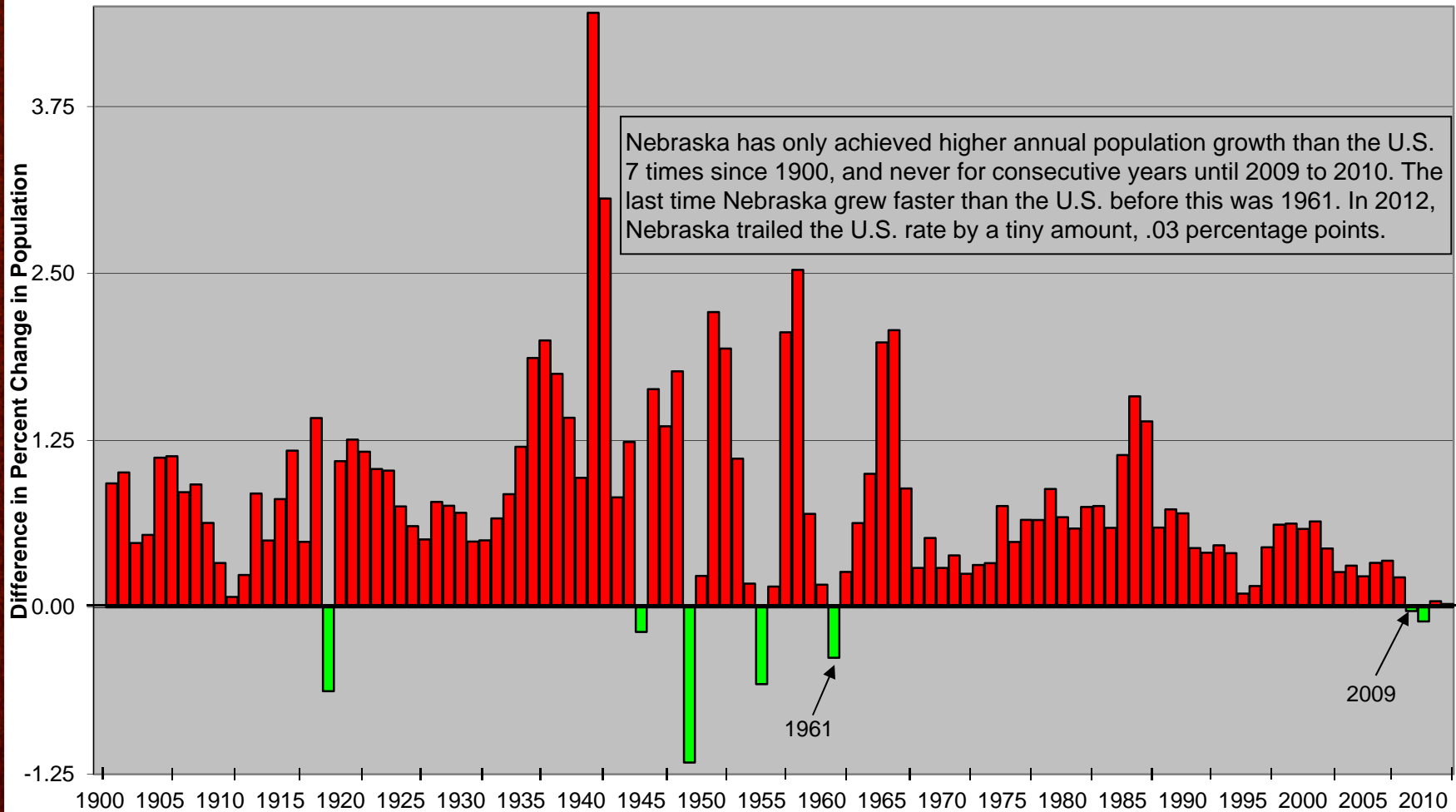
Sources: Decennial Censuses and 2012 National Population Projections (Middle Series), U.S. Census Bureau; CPAR Nebraska Projections, June 2013



Recession made NE population change similar to U.S.



Annual Difference Between the U.S. and Nebraska Percent Change in Population: 1900 to 2012



Sources: Annual Population Estimates (released 12-20-2012), U.S. Census Bureau; REIS, Bureau of Economic Analysis



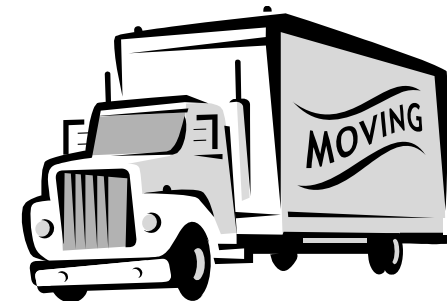
NE needs to stay close to U.S. growth rate to keep our current 3 Congressional seats

Decade Comparison of the Number of Seats in the House of Representatives from Nebraska's Last Seat to the 435th seat cutoff point

<u>Year</u>	<u>NE 3rd Seat #</u>	<u>Distance to 435</u>	
1960	316	119	
1970	337	98	-21
1980	358	77	-21
1990	388	47	-30
2000	405	30	-17
2010	417	18	-12
2020	???	Danger of losing House seat!	



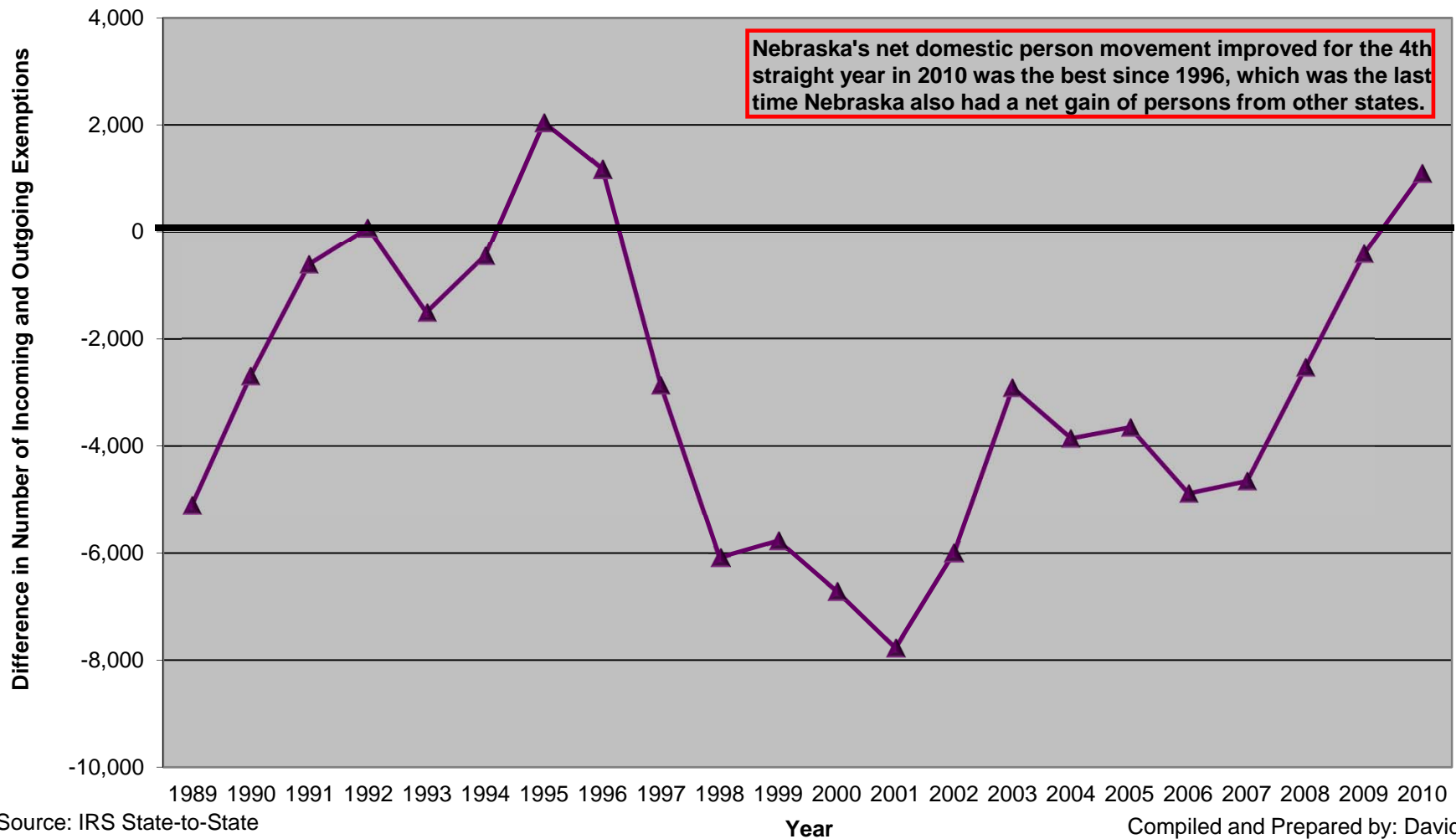
MIGRATION “MOVING ON UP”



NE's relative economic strength has improved migration



Comparison of Net Domestic Person Movement Based on IRS Tax Filings:
Nebraska 1989-2010



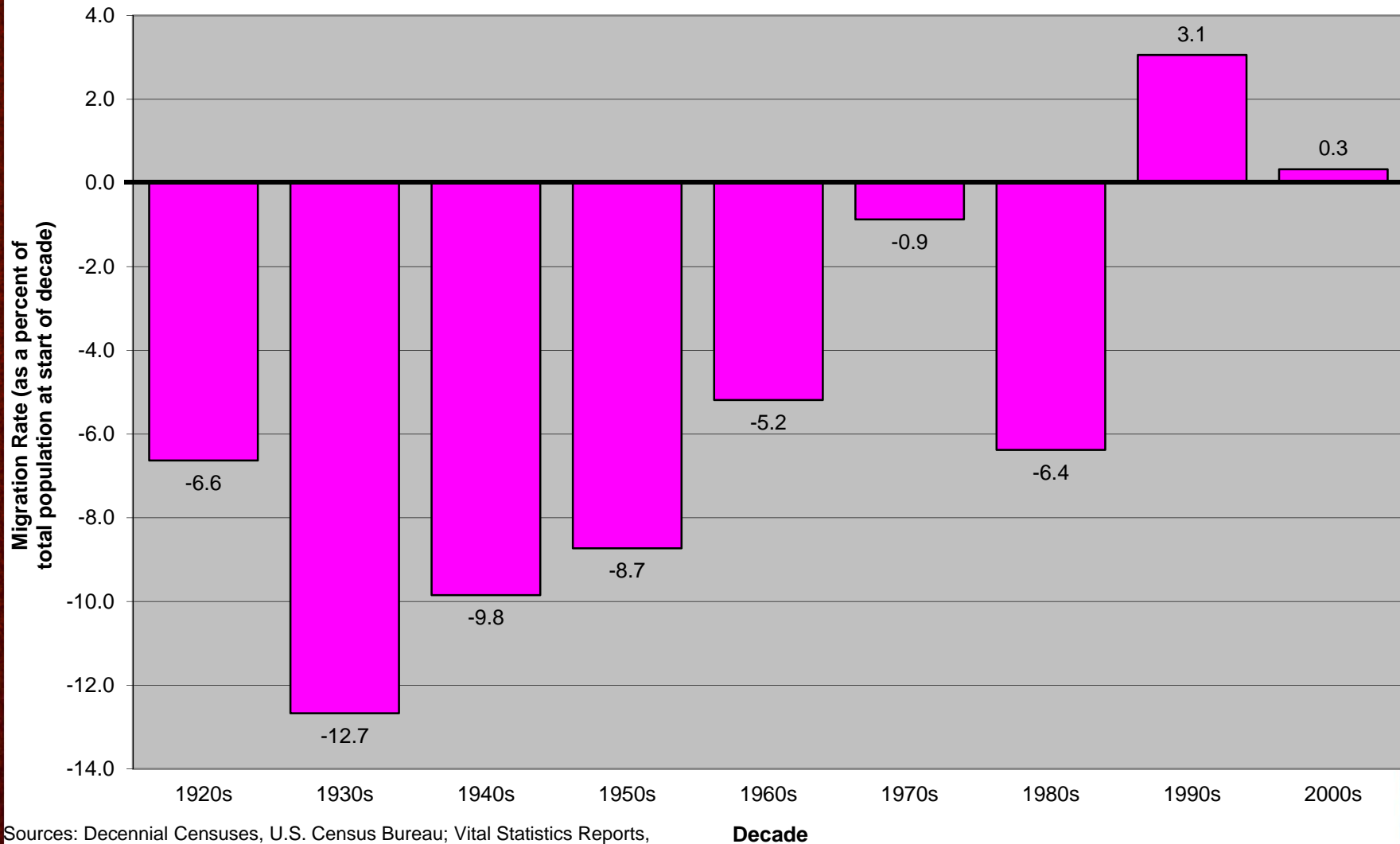
Source: IRS State-to-State
Migration Files

Compiled and Prepared by: David
Drozd, CPAR @ UNO 12-5-11

Total Migration Positive as International In exceeds Domestic Out



Nebraska Net Migration Rate by Decade: 1920s to 2000s

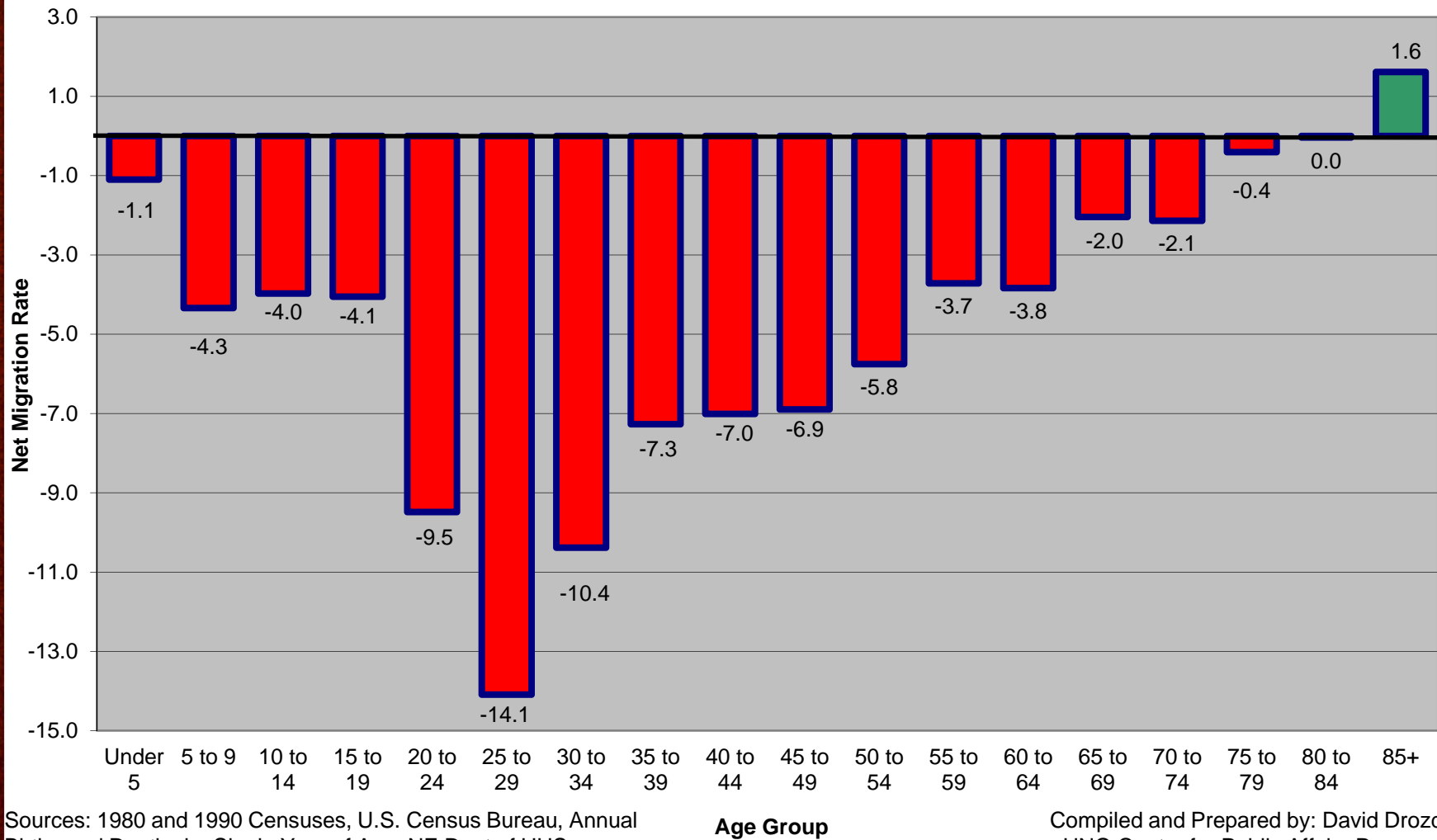


Sources: Decennial Censuses, U.S. Census Bureau; Vital Statistics Reports, Nebraska Department of Health and Human Services

Let's Hope We Don't Repeat the 1980s...



Nebraska Net Migration Rate by Age during 1980 to 1990 timeframe
Overall Net Migration Rate = -6.4



Sources: 1980 and 1990 Censuses, U.S. Census Bureau, Annual Births and Deaths by Single Year of Age, NE Dept of HHS

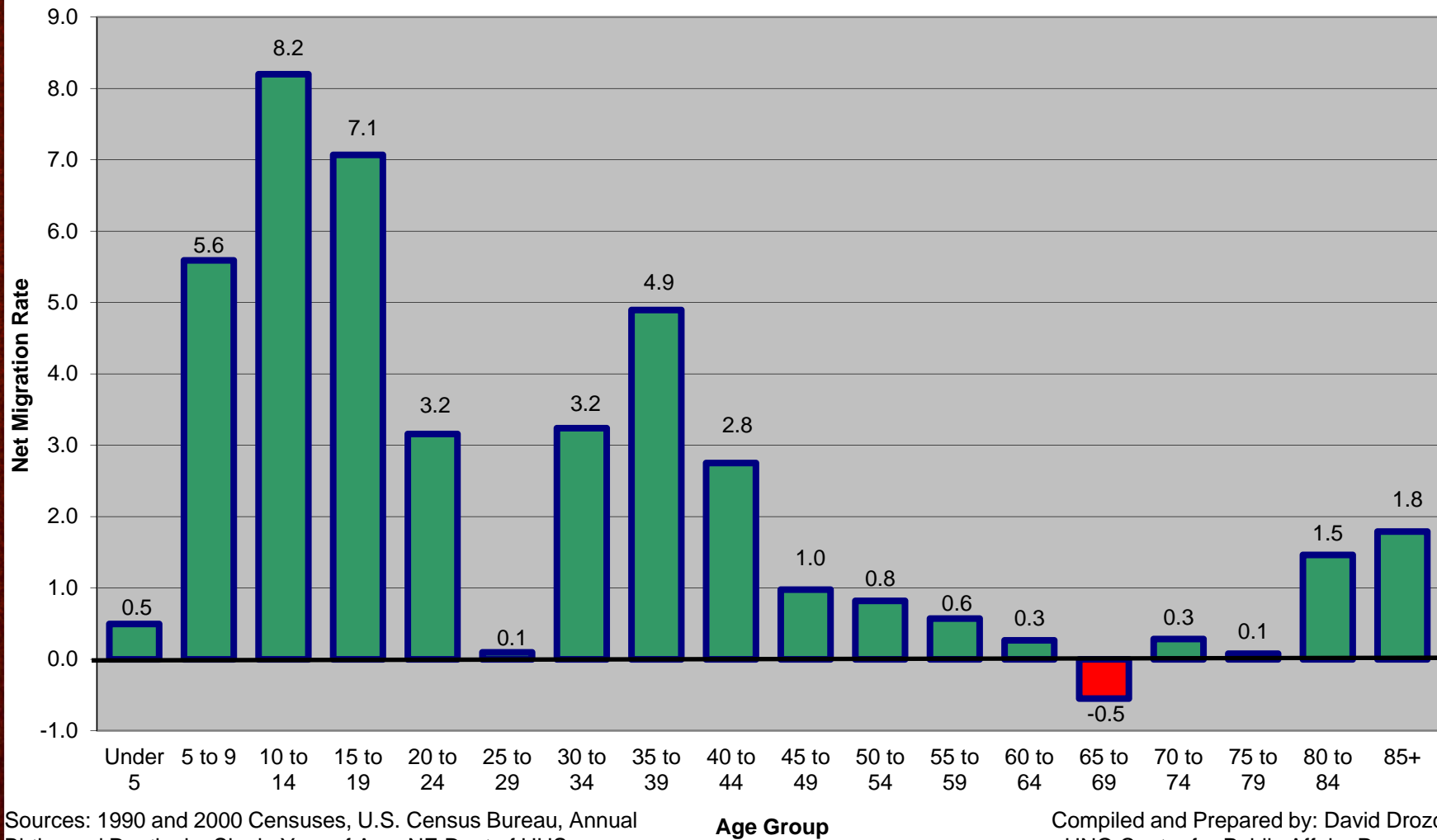
Age Group

Compiled and Prepared by: David Drozd,
UNO Center for Public Affairs Research

Red turned to Green (Immigration) in 1990s



Nebraska Net Migration Rate by Age during 1990 to 2000 timeframe
Overall Net Migration Rate = 3.1



Sources: 1990 and 2000 Censuses, U.S. Census Bureau, Annual Births and Deaths by Single Year of Age, NE Dept of HHS

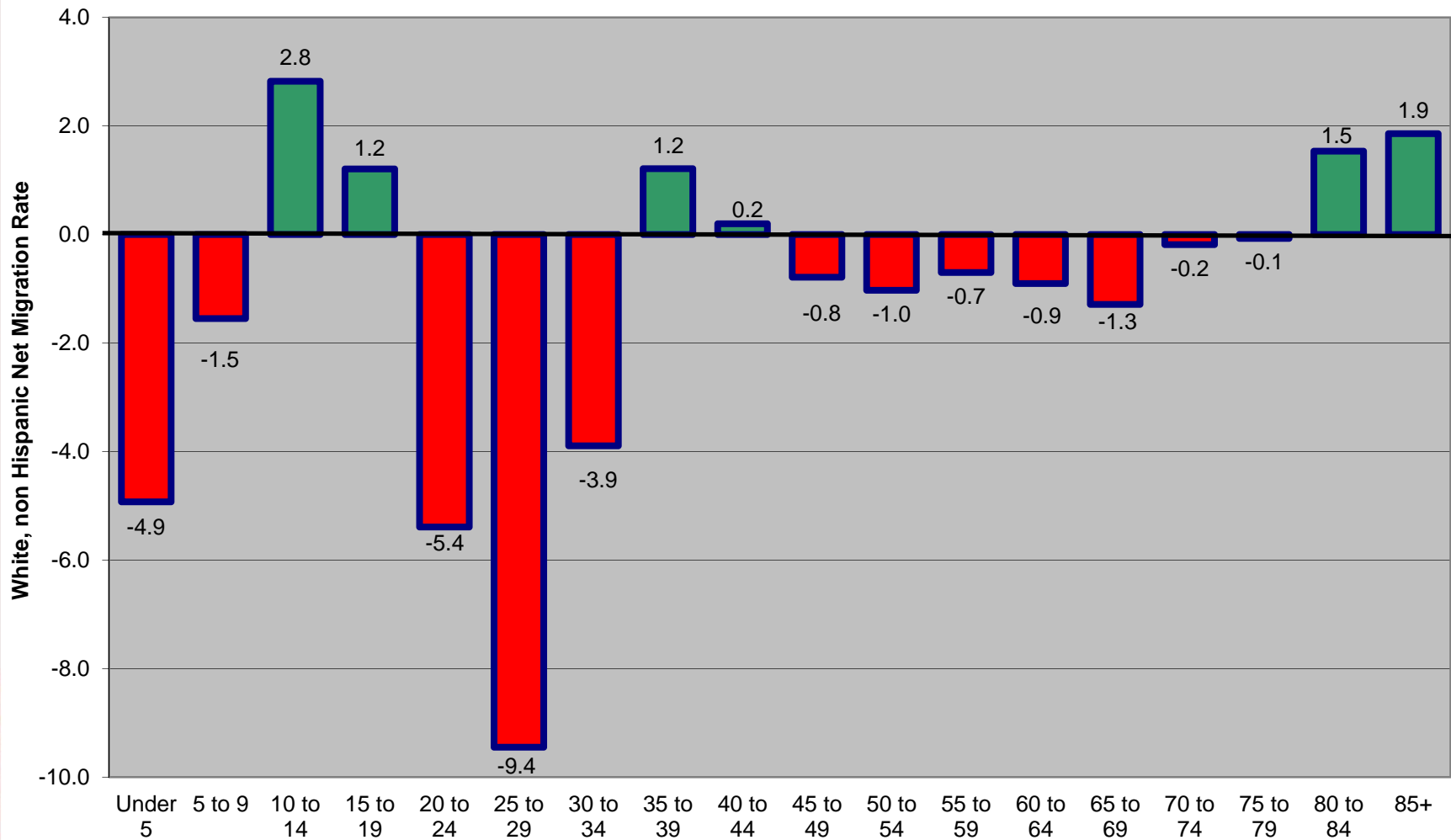
Compiled and Prepared by: David Drozd,
UNO Center for Public Affairs Research

Not much of the 1990s Immigration was among Whites



Nebraska Net Migration Rate of White non-Hispanics by Age: 1990 to 2000

Overall Net Migration Rate = -1.4



Sources: 1990 and 2000 Censuses, U.S. Census Bureau, Annual Births and Deaths by Single Year of Age, NE Dept of HHS

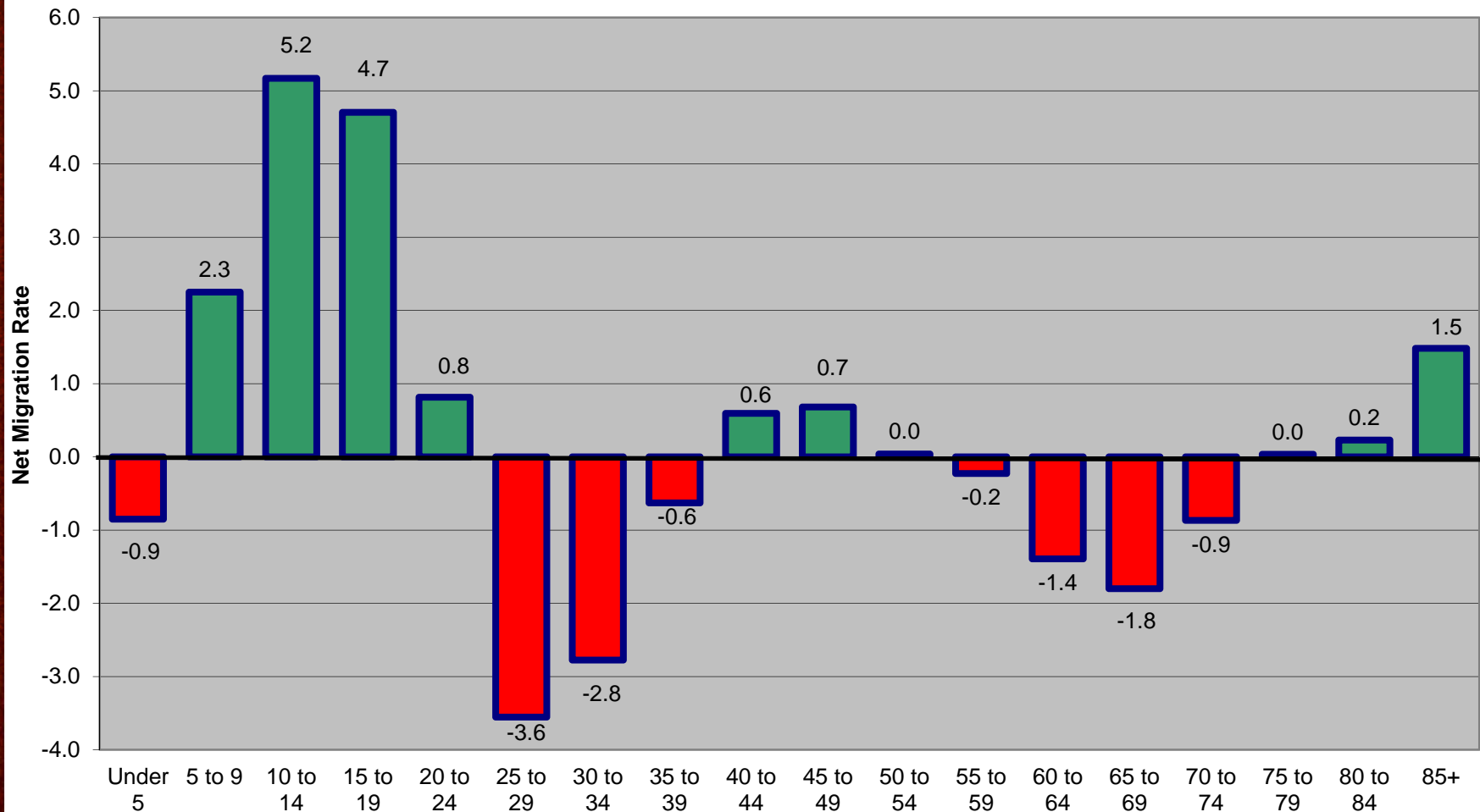
Age Group

Compiled and Prepared by: David Drozd,
UNO Center for Public Affairs Research

2000s more of a mixed bag for Nebraska



Nebraska Net Migration Rate by Age during 2000 to 2010 timeframe
Overall Net Migration Rate = 0.3



Sources: 2000 and 2010 Censuses, U.S. Census Bureau, Annual Births and Deaths by Single Year of Age, NE Dept of HHS

Age Group

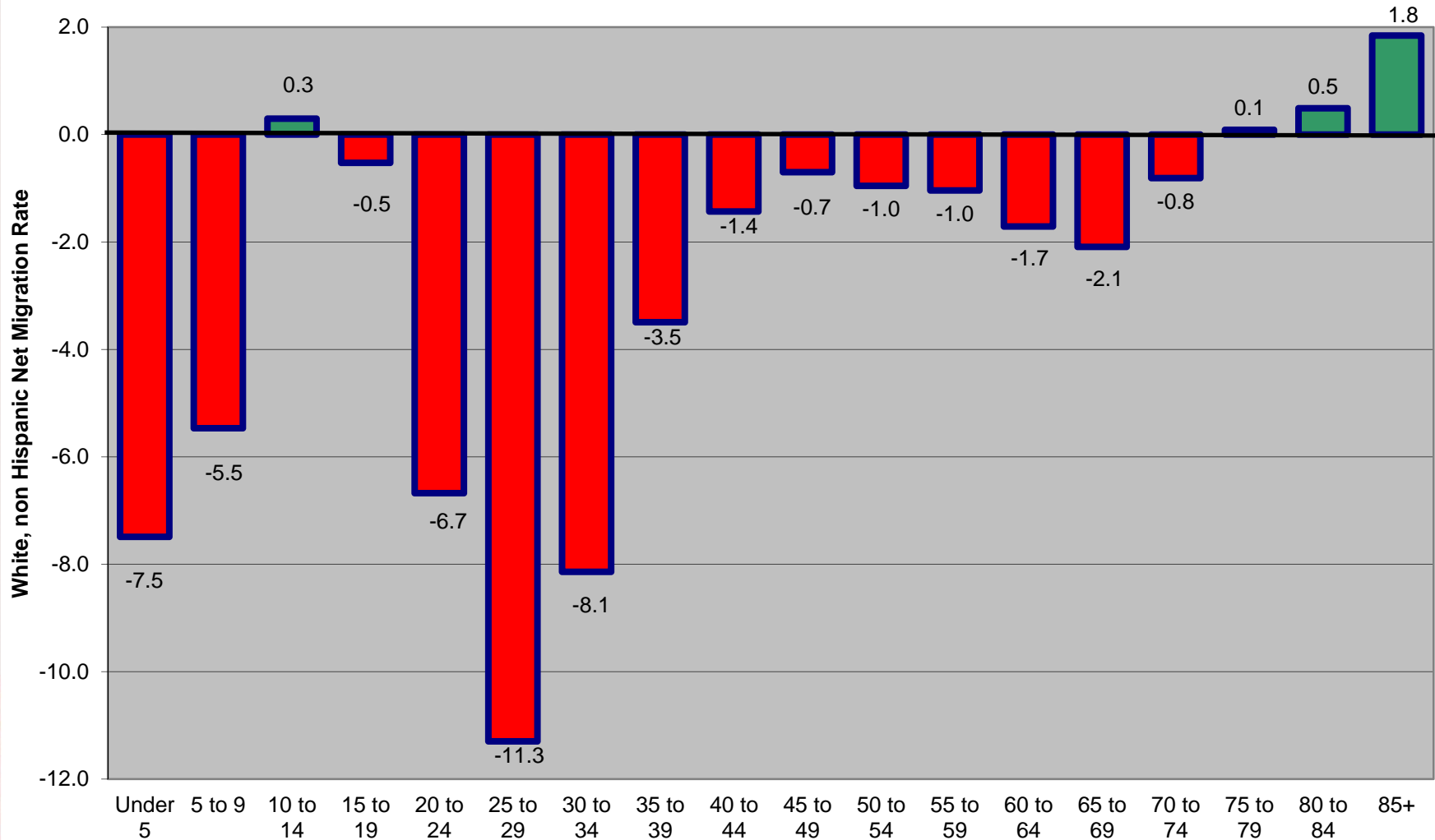
Compiled and Prepared by: David Drozd,
 UNO Center for Public Affairs Research

Like 90s, Whites again mostly had outmigration in 2000s



Nebraska Net Migration Rate of White non-Hispanics by Age: 2000 to 2010

Overall Net Migration Rate = -3.4



Sources: 2000 and 2010 Censuses, U.S. Census Bureau, Annual Births and Deaths by Single Year of Age, NE Dept of HHS

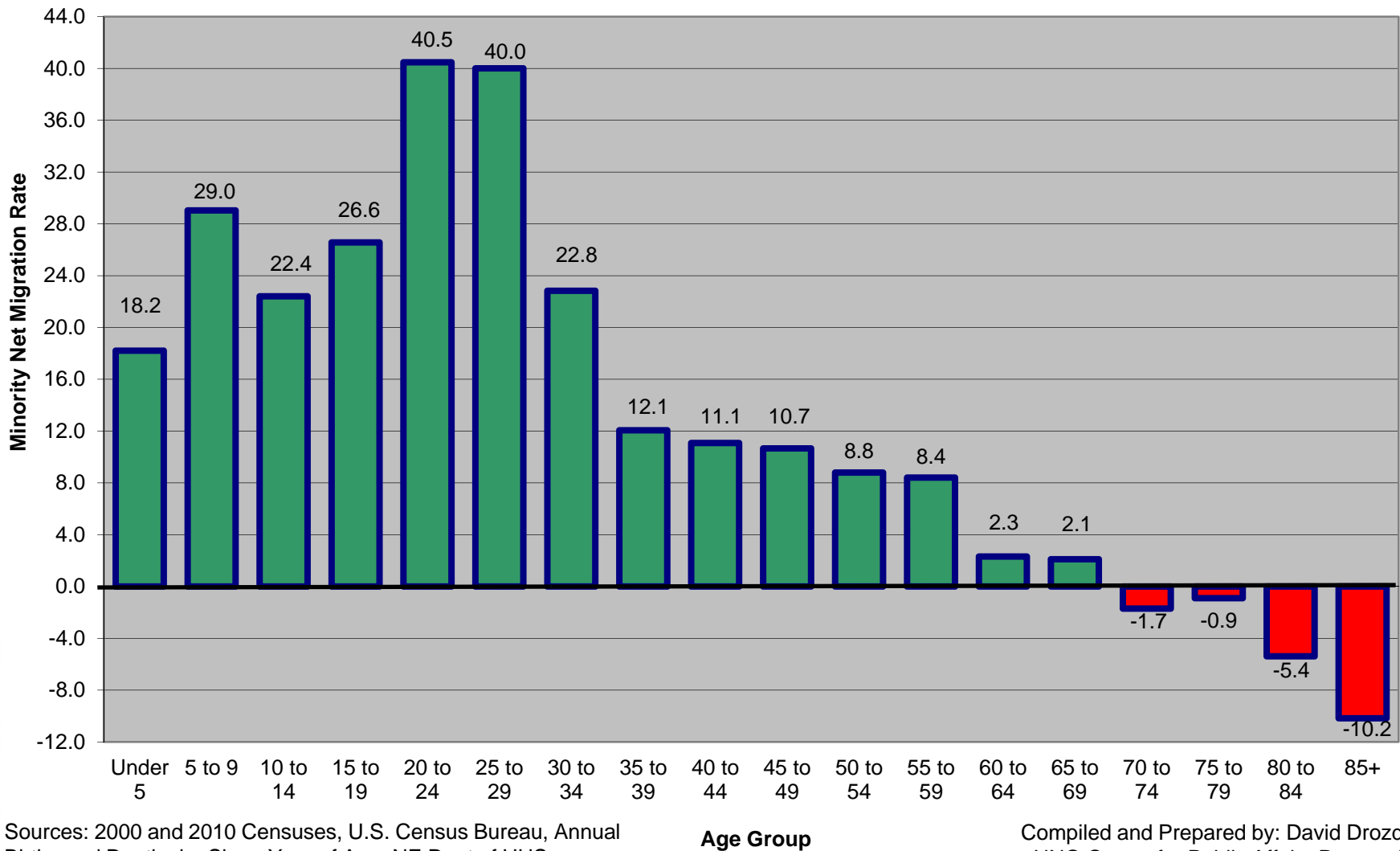
Age Group

Compiled and Prepared by: David Drozd, UNO Center for Public Affairs Research

Minority net immigration continued in 2000s



Nebraska Net Migration Rate of Minority Populatin Groups by Age: 2000-2010
Overall Net Migration Rate = 25.7



Sources: 2000 and 2010 Censuses, U.S. Census Bureau, Annual Births and Deaths by Single Year of Age, NE Dept of HHS

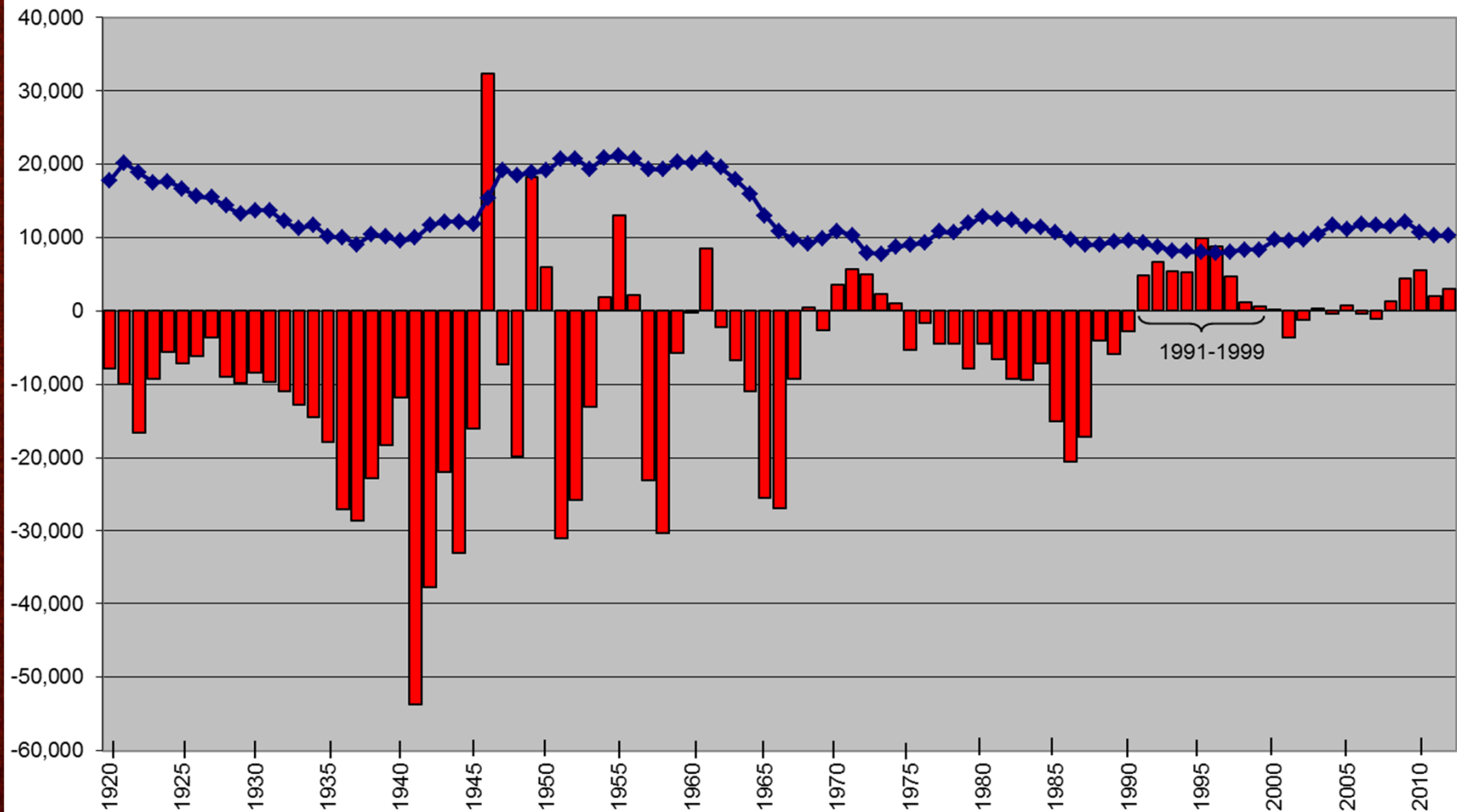
Age Group

Compiled and Prepared by: David Drozd,
 UNO Center for Public Affairs Research

While improved, migration is small versus natural change



Nebraska Components of Population Change, 1920-2012



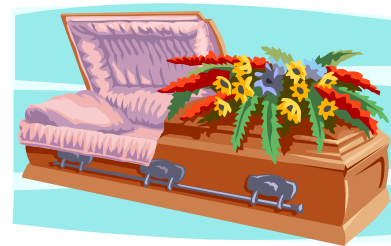
Source: Vital Statistics, Nebraska Department of Health and Human Services; Annual Population Estimates, U.S. Census Bureau - released 12-20-12

Net Migration Natural Change



HISTORIC AND CURRENT AGE STRUCTURE WITH PROJECTION

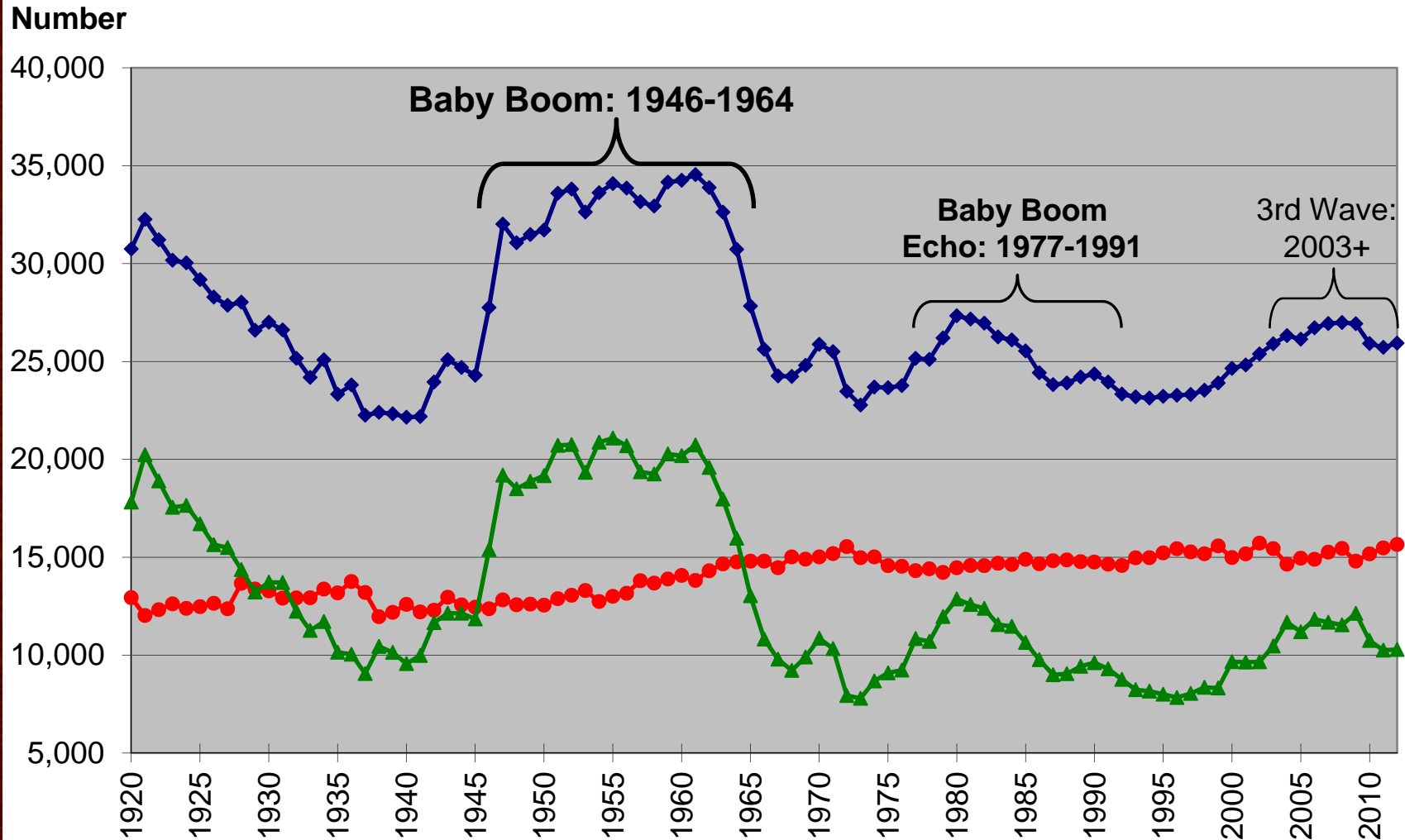
Note: Births minus Deaths equals “Natural Change”



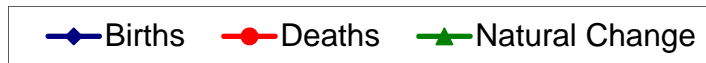
Understand the Baby Boom and Follow its Waves



Nebraska Births, Deaths, and Natural Change: 1920-2012



Source: Vital Statistics Reports, Nebraska
Department of Health and Human

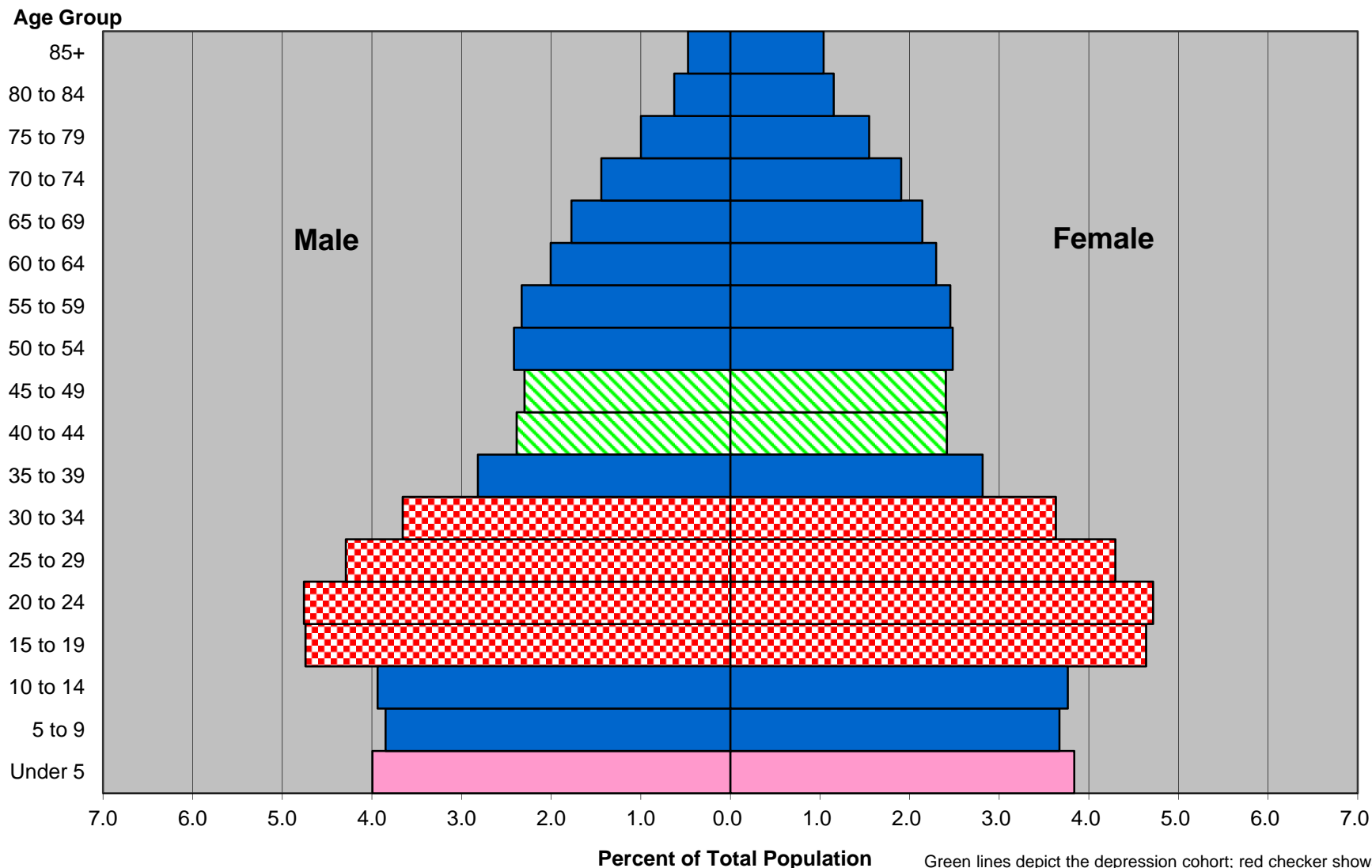


Prepared by: David
Drozd, CPAR @ UNO



1980: Boomers Dominate

1980 Nebraska Population by Sex and Five-Year Age Group



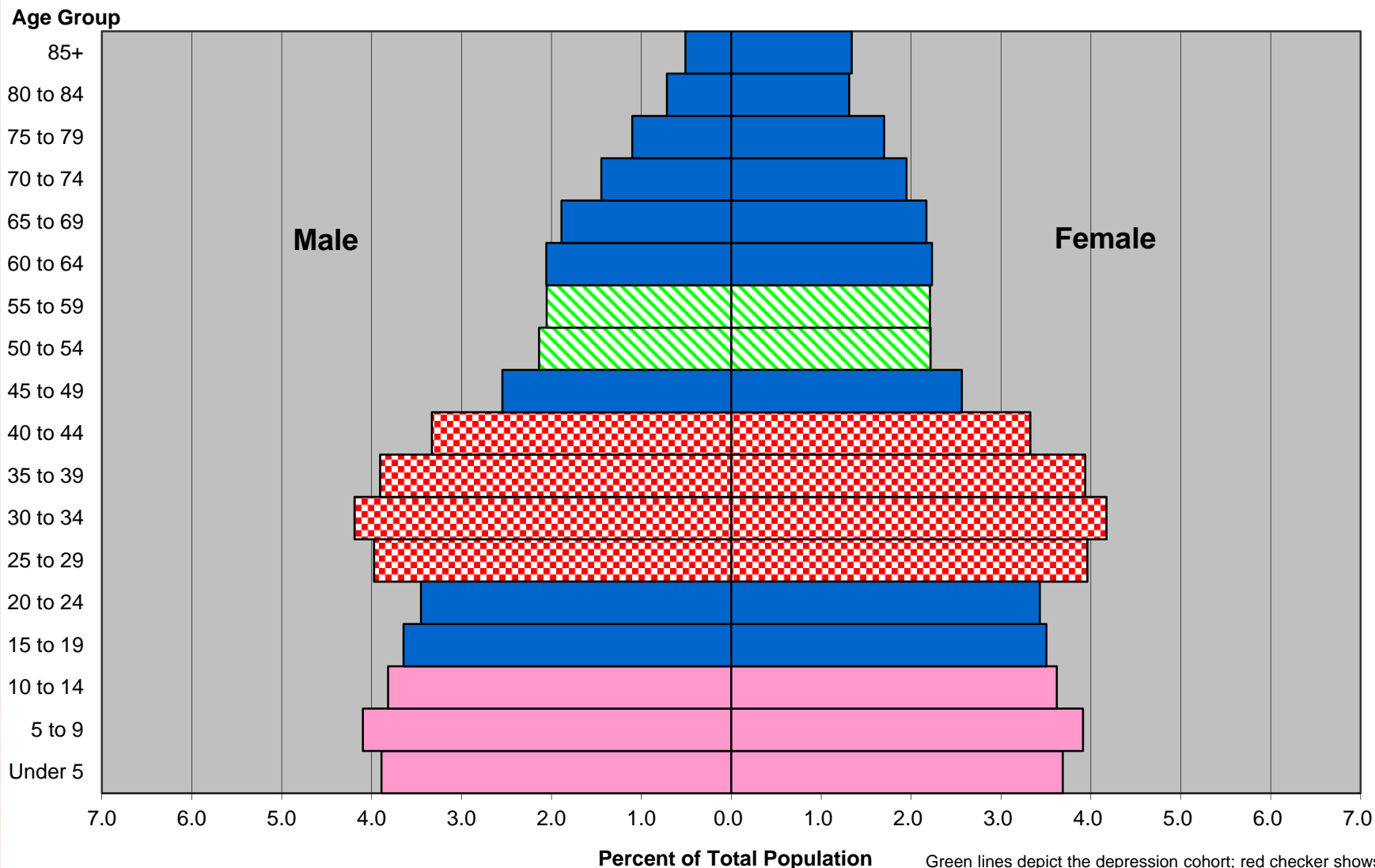
Source: 1980 Census, U.S. Census Bureau

Green lines depict the depression cohort; red checker shows the "baby boom"; pink represents the "baby boom echo".



1990: Boomers have had their kids

1990 Nebraska Population by Sex and Five-Year Age Group



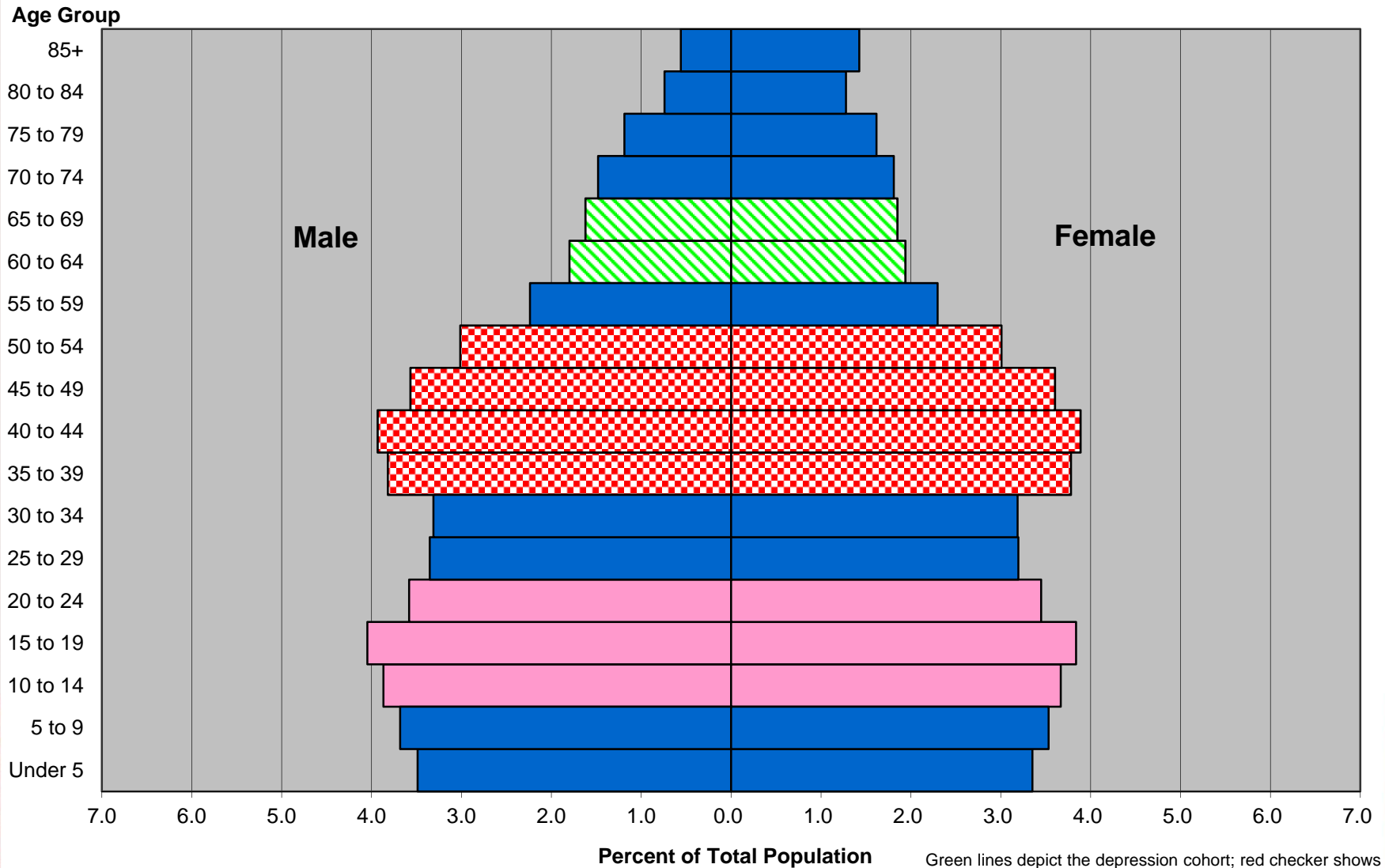
Source: 1990 Census, U.S. Census Bureau

Green lines depict the depression cohort; red checker shows the "baby boom"; pink represents the "baby boom echo".



2000: Low births of 1990s/Generation X reflected

2000 Nebraska Population by Sex and Five-Year Age Group



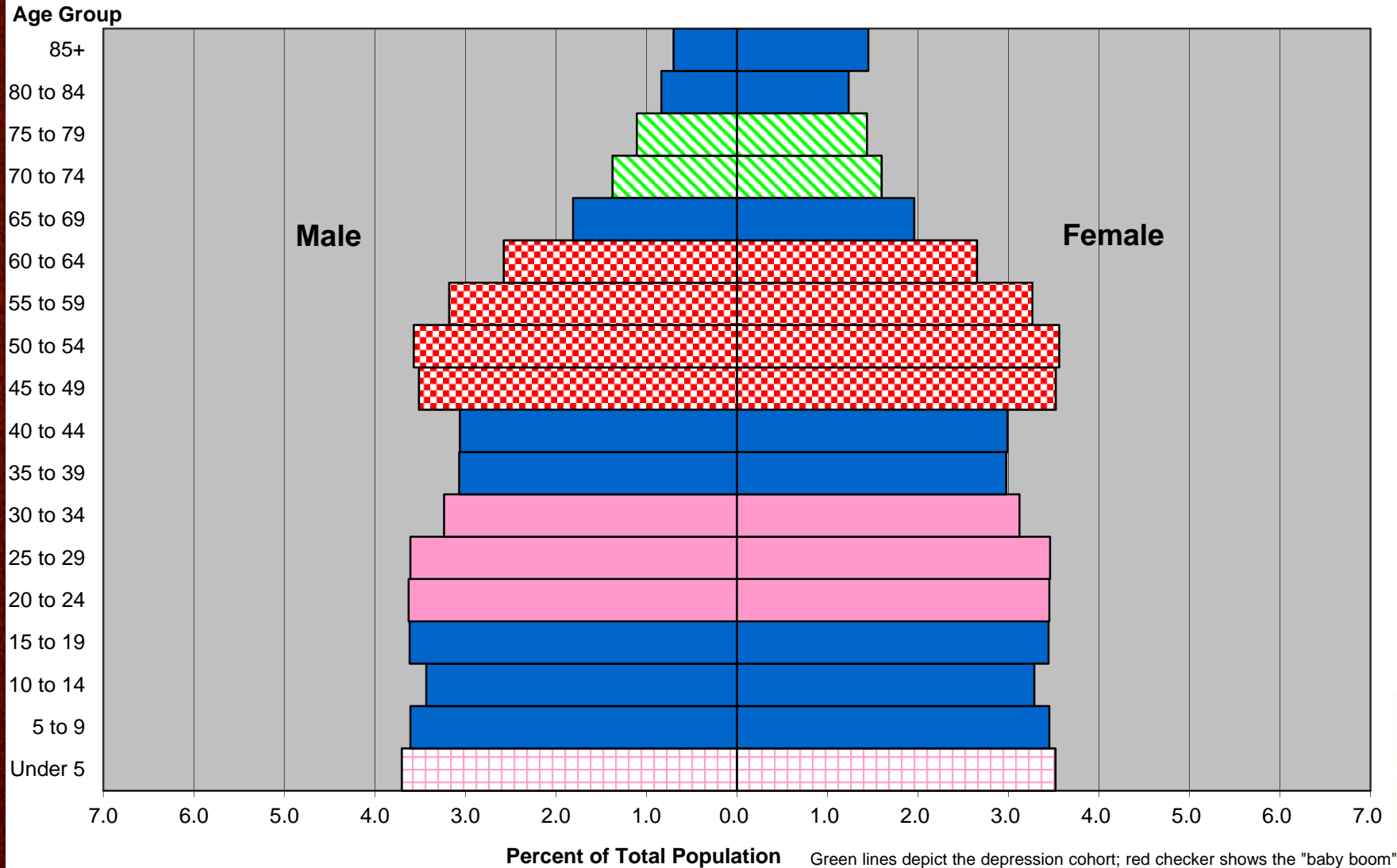
Source: 2000 Census, U.S. Census Bureau

Green lines depict the depression cohort; red checker shows the "baby boom"; pink represents the "baby boom echo".



Current Population Pyramid (new wave of births)

2010 Nebraska Population by Sex and Five-Year Age Group

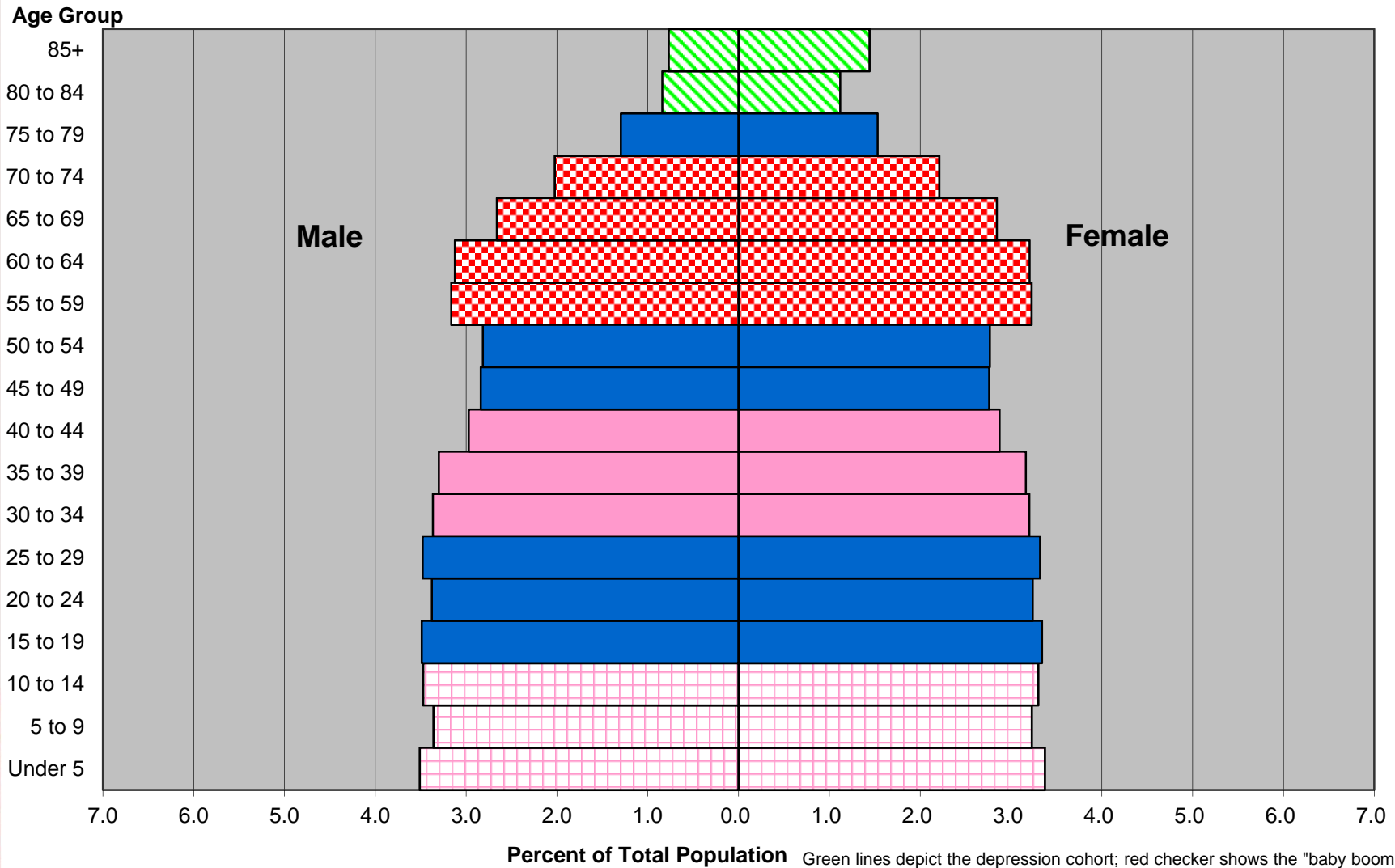


Source: 2010 Census, U.S. Census Bureau



2020: Only Depression cohort in 80s; high births continue

2020 Projected Nebraska Population by Sex and Five-Year Age Group



Source: CPAR projections, June 2013

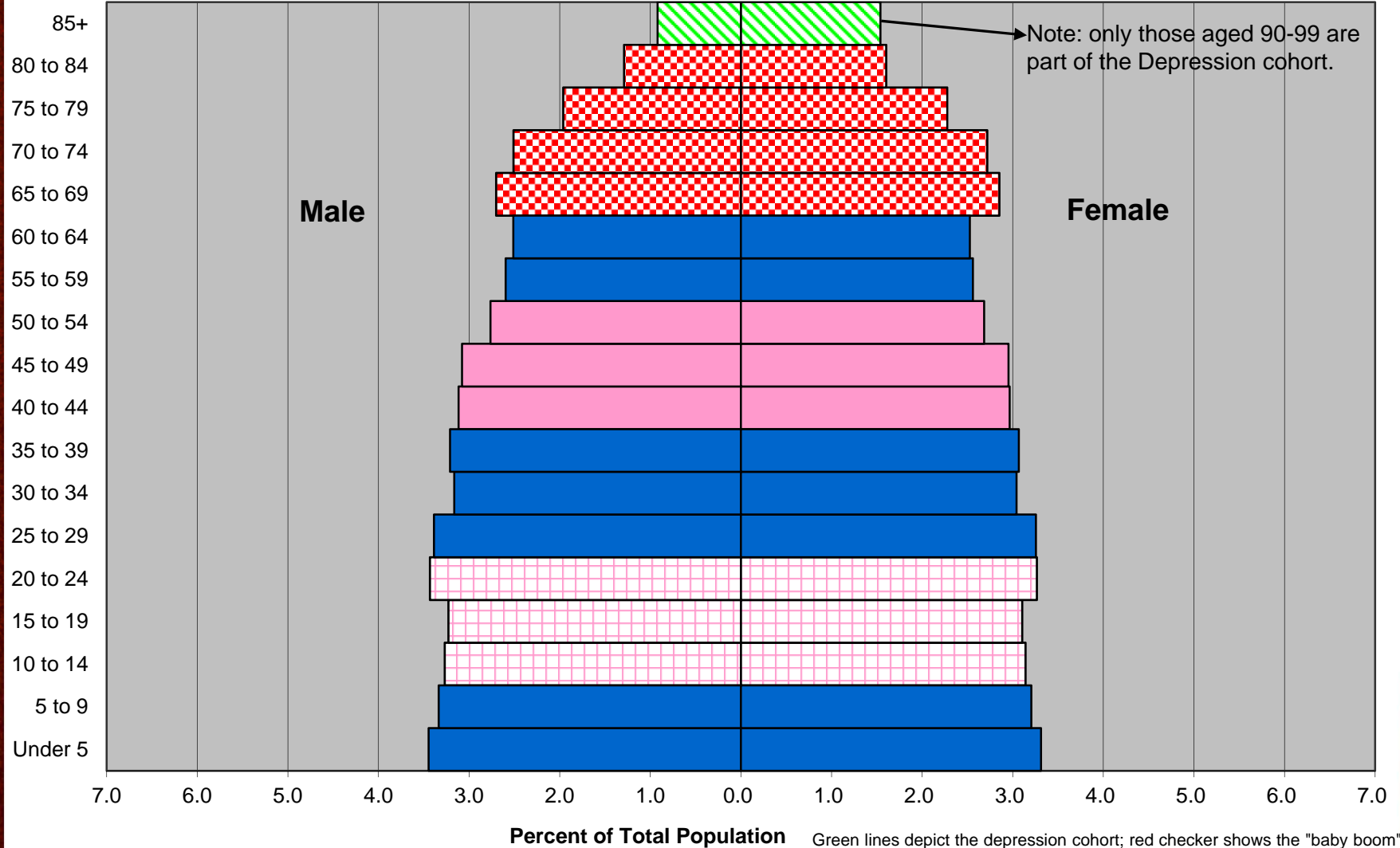
Green lines depict the depression cohort; red checker shows the "baby boom"; pink represents the "baby boom echo"; pink crosshatch shows the "3rd wave"



2030: All boomers age 65+

2030 Projected Nebraska Population by Sex and Five-Year Age Group

Age Group



Note: only those aged 90-99 are part of the Depression cohort.

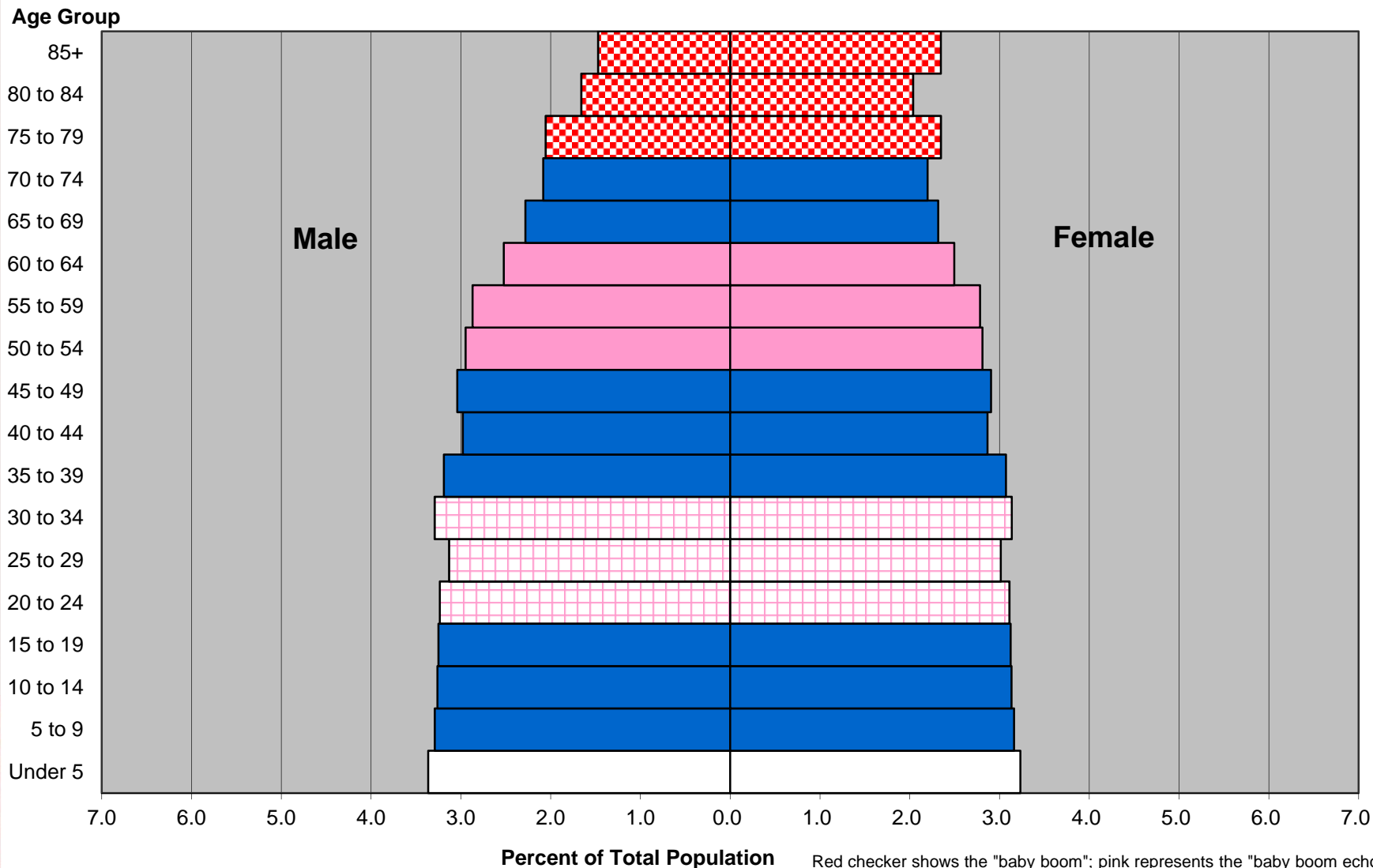
Source: CPAR projections, June 2013

Green lines depict the depression cohort; red checker shows the "baby boom"; pink represents the "baby boom echo"; pink crosshatch shows the "3rd wave"



2040: 5-year ages under 60 all about the same percent

2040 Projected Nebraska Population by Sex and Five-Year Age Group



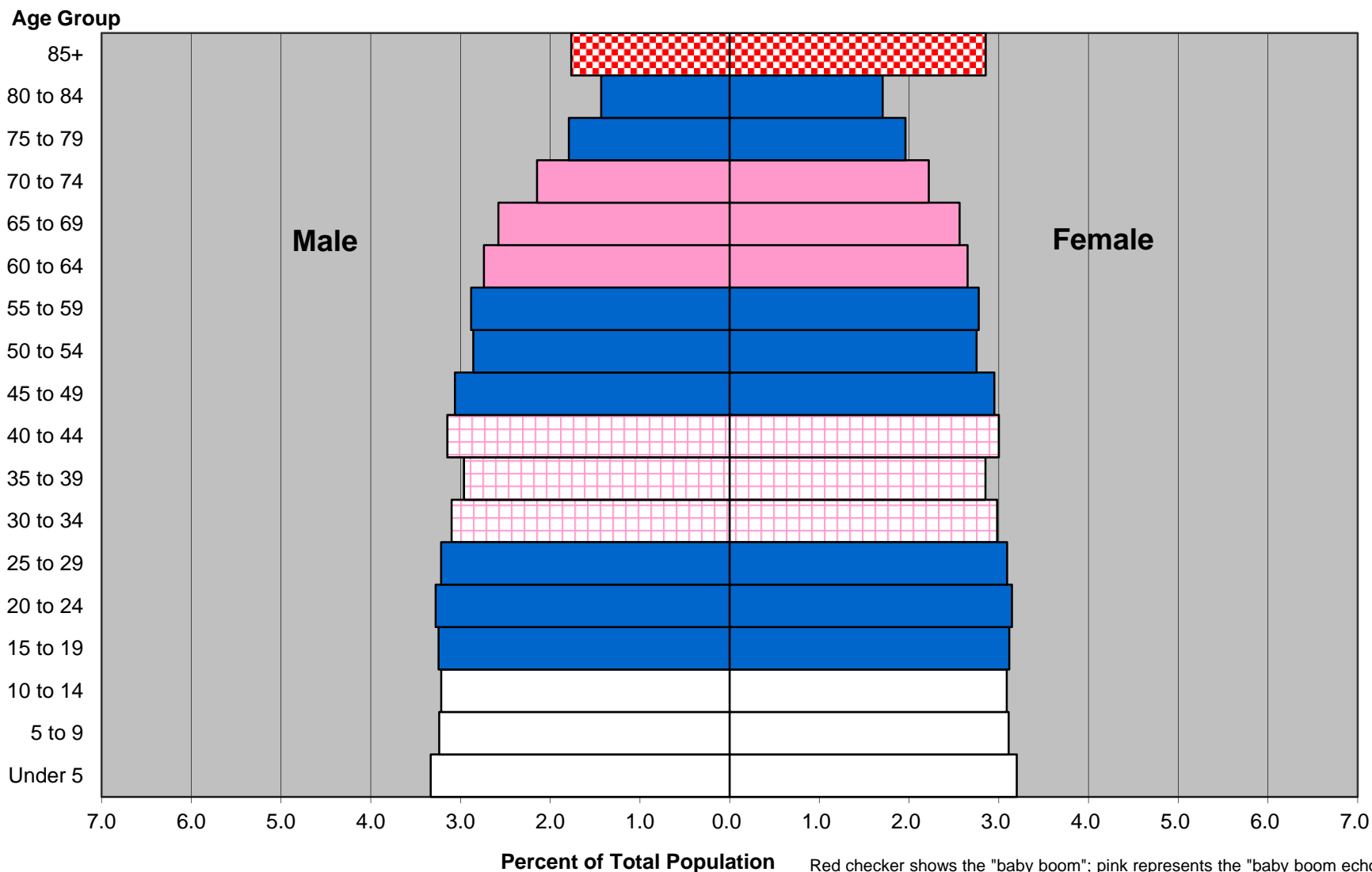
Source: CPAR projections, June 2013

Red checker shows the "baby boom"; pink represents the "baby boom echo"; pink crosshatch shows the "3rd wave"; white represents the "4th wave"



2050: All boomers at age 85+; will see their great grandkids

2050 Projected Nebraska Population by Sex and Five-Year Age Group

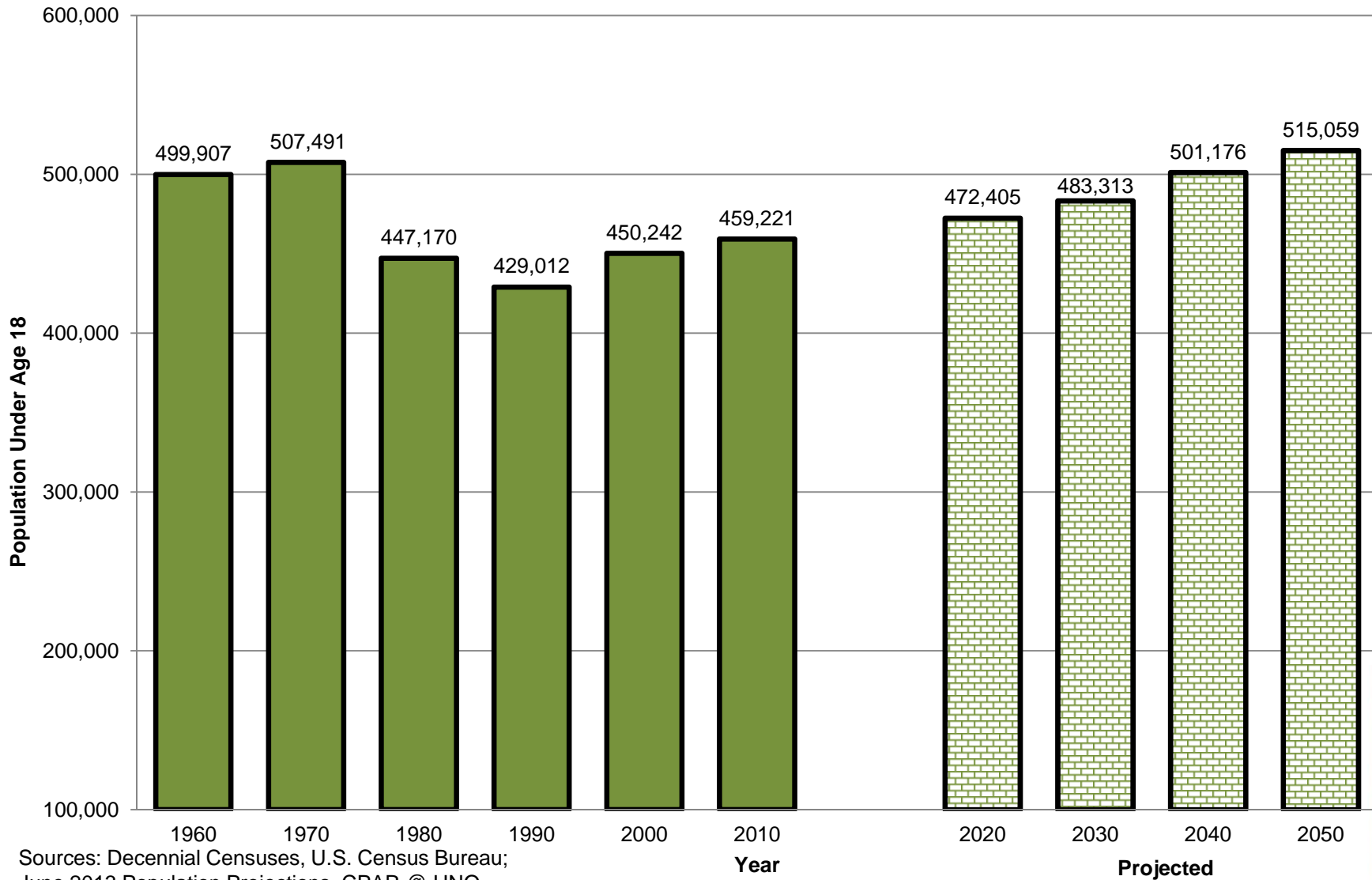


Source: CPAR projections, June 2013



Slow Growth in Children Under 18

Nebraska Population Under Age 18: 1960 to 2010 and 2020 to 2050 Projection

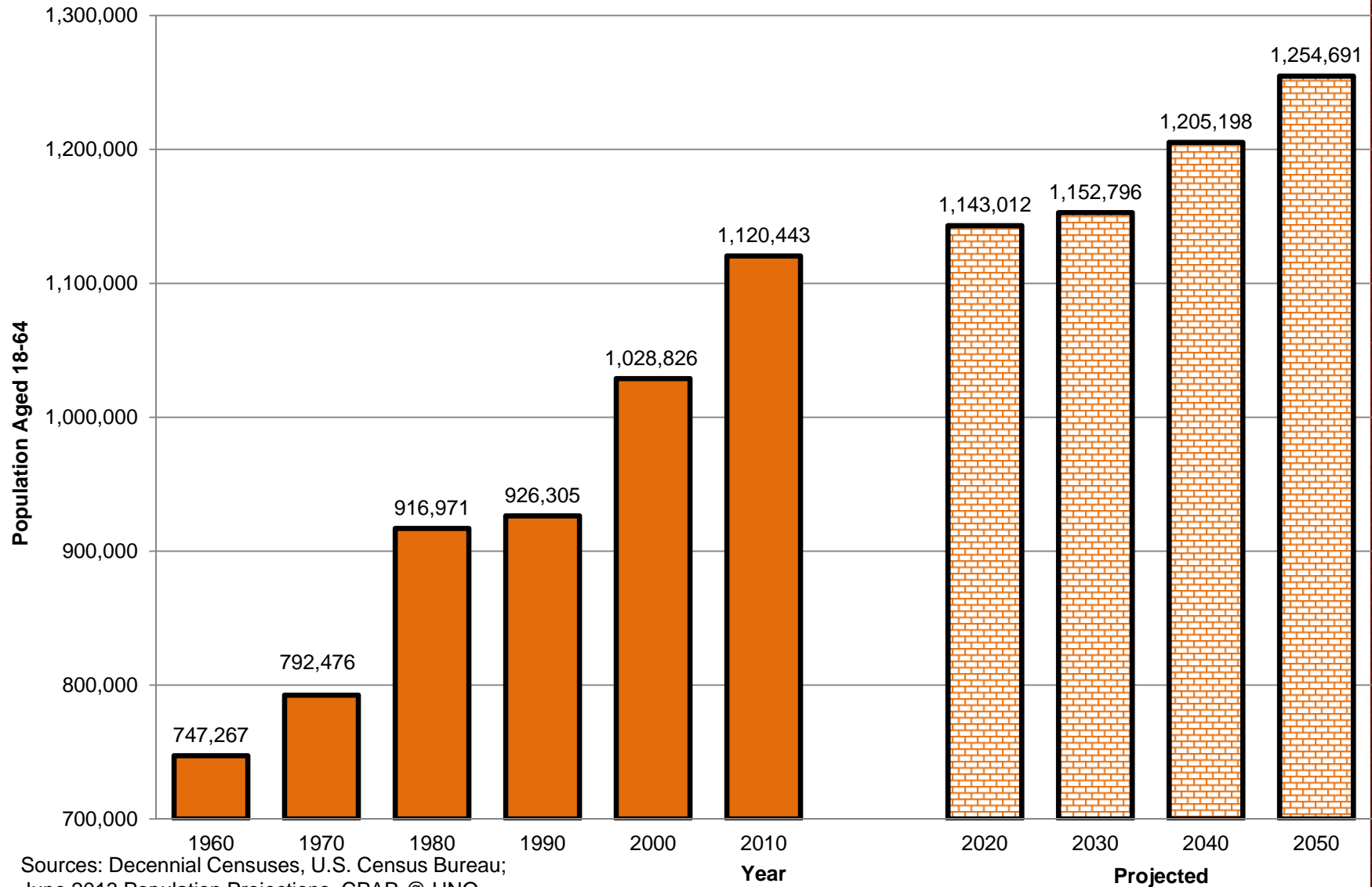


Sources: Decennial Censuses, U.S. Census Bureau;
June 2013 Population Projections, CPAR @ UNO



Little Net Change in Working Age as Boomers Age Out

Nebraska Population Aged 18-64: 1960 to 2010 and 2020 to 2050 Projection

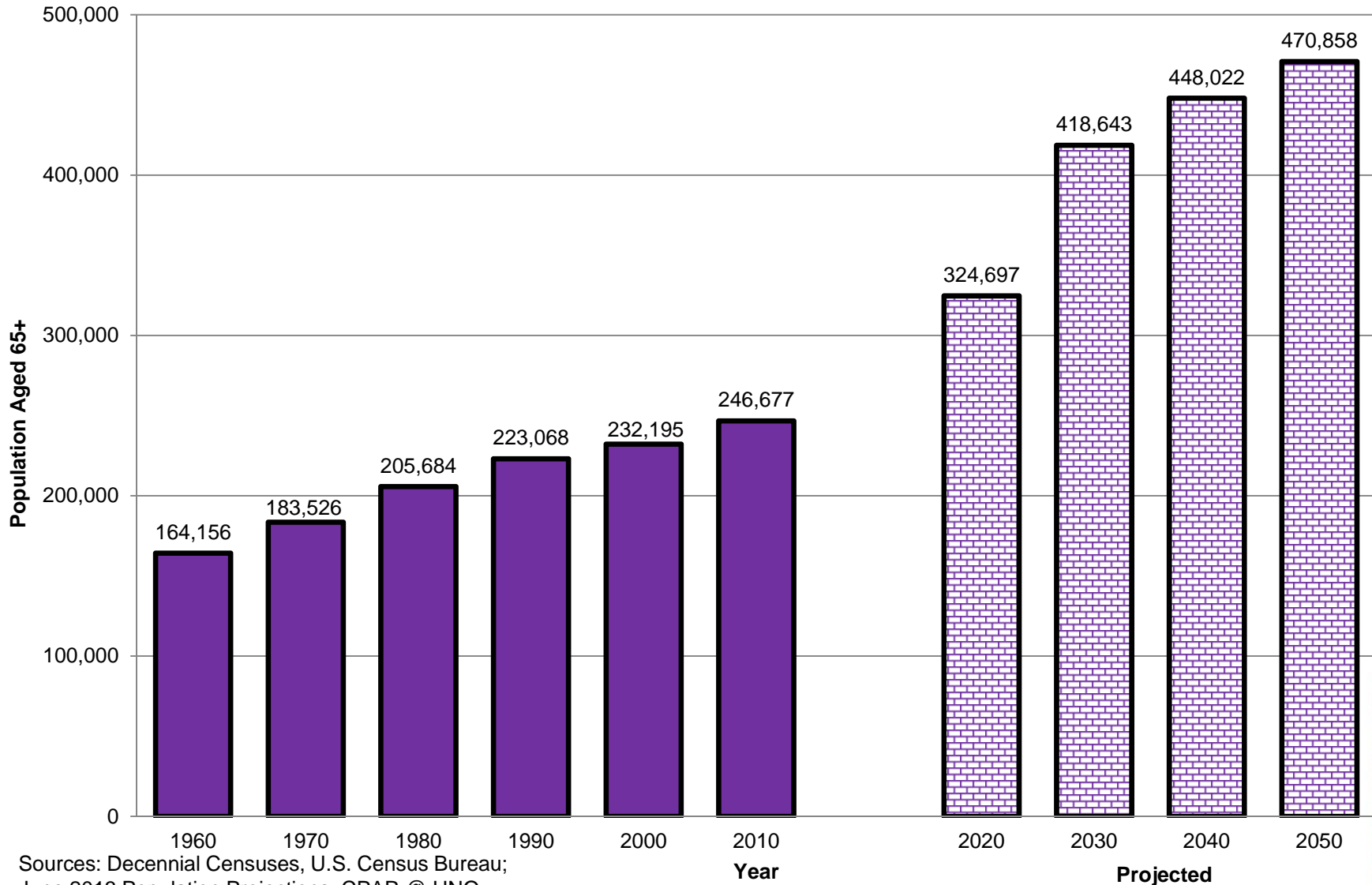


Sources: Decennial Censuses, U.S. Census Bureau;
June 2013 Population Projections, CPAR @ UNO

Elders: 250,000 today; about 420,000 by 2030



Nebraska Population Aged 65 and Older: 1960 to 2010 and 2020 to 2050 Projection

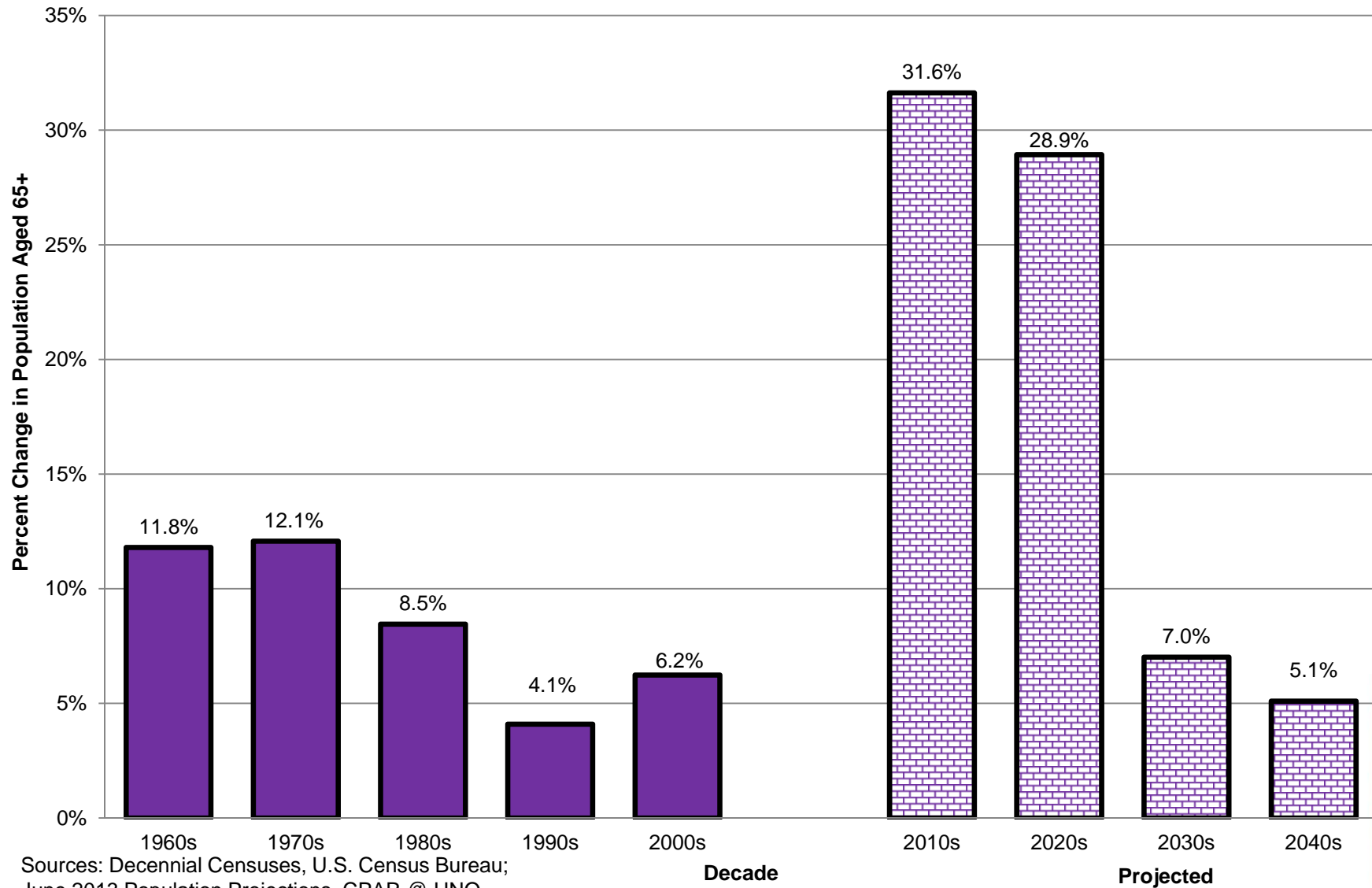


Sources: Decennial Censuses, U.S. Census Bureau;
June 2013 Population Projections, CPAR @ UNO

The jump in 65+ we've all been waiting for...



Decade Percent Change in Nebraska Population Aged 65 and Older: 1960s to 2000s and 2010s to 2040s Projection

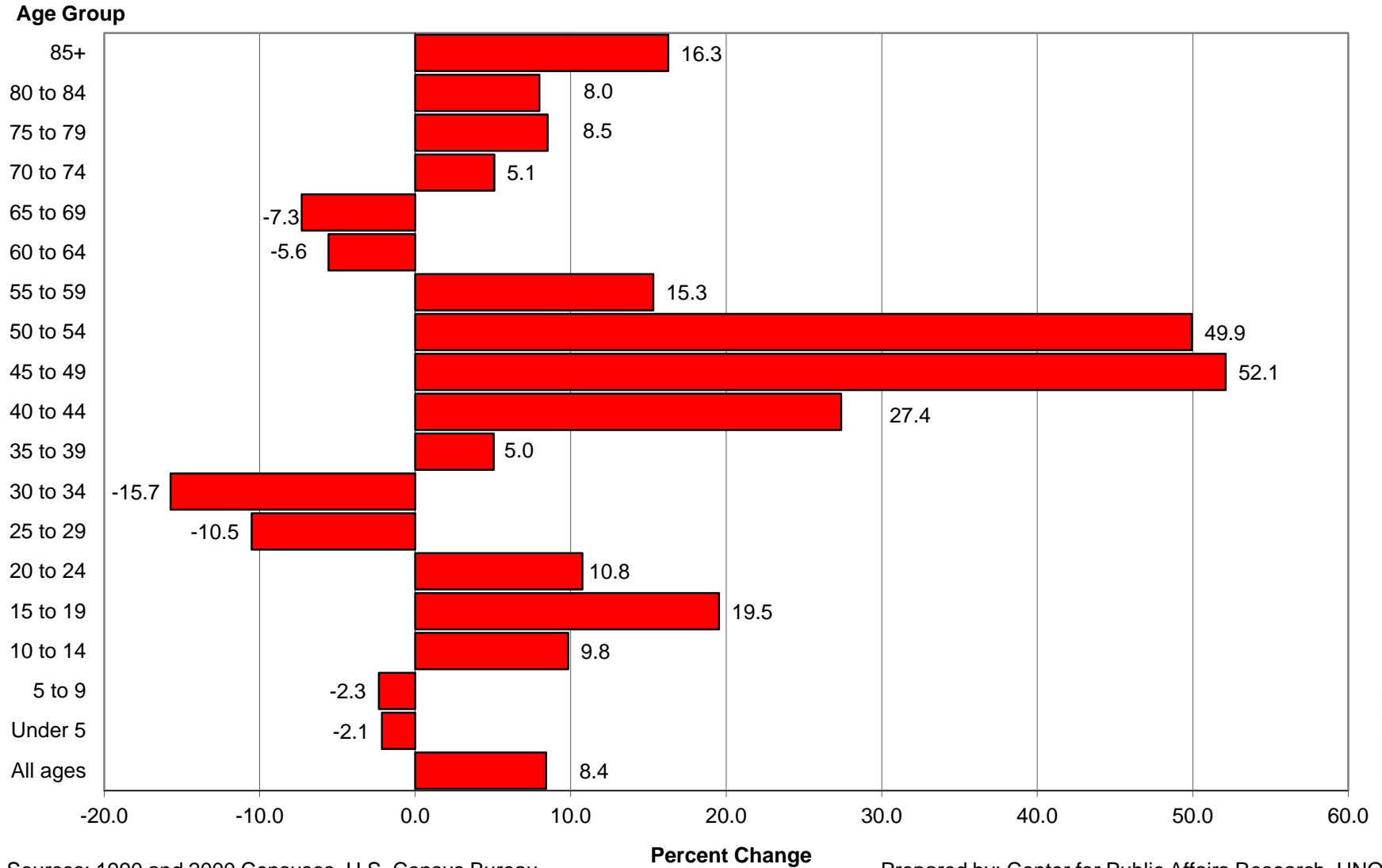


Sources: Decennial Censuses, U.S. Census Bureau;
June 2013 Population Projections, CPAR @ UNO

Prior aging impacts: the 1990s (Gen X & Baby Bust)



Percentage Change for 5-Year Age Groups in Nebraska: 1990 to 2000



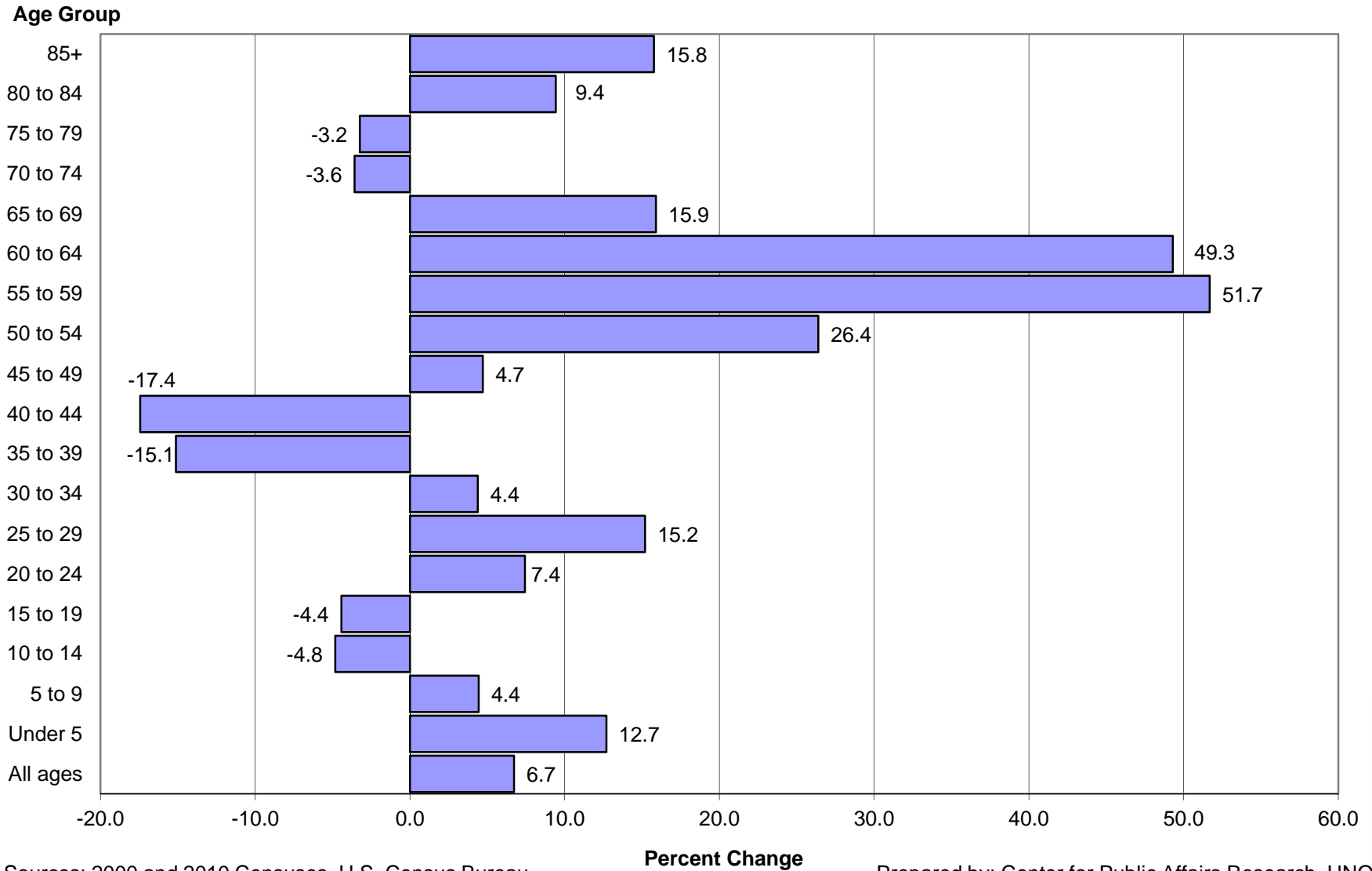
Sources: 1990 and 2000 Censuses, U.S. Census Bureau

Prepared by: Center for Public Affairs Research, UNO

The 2000s: Baby Boom Echo in Late 20s leads to births



Percentage Change for 5-Year Age Groups in Nebraska: 2000 to 2010



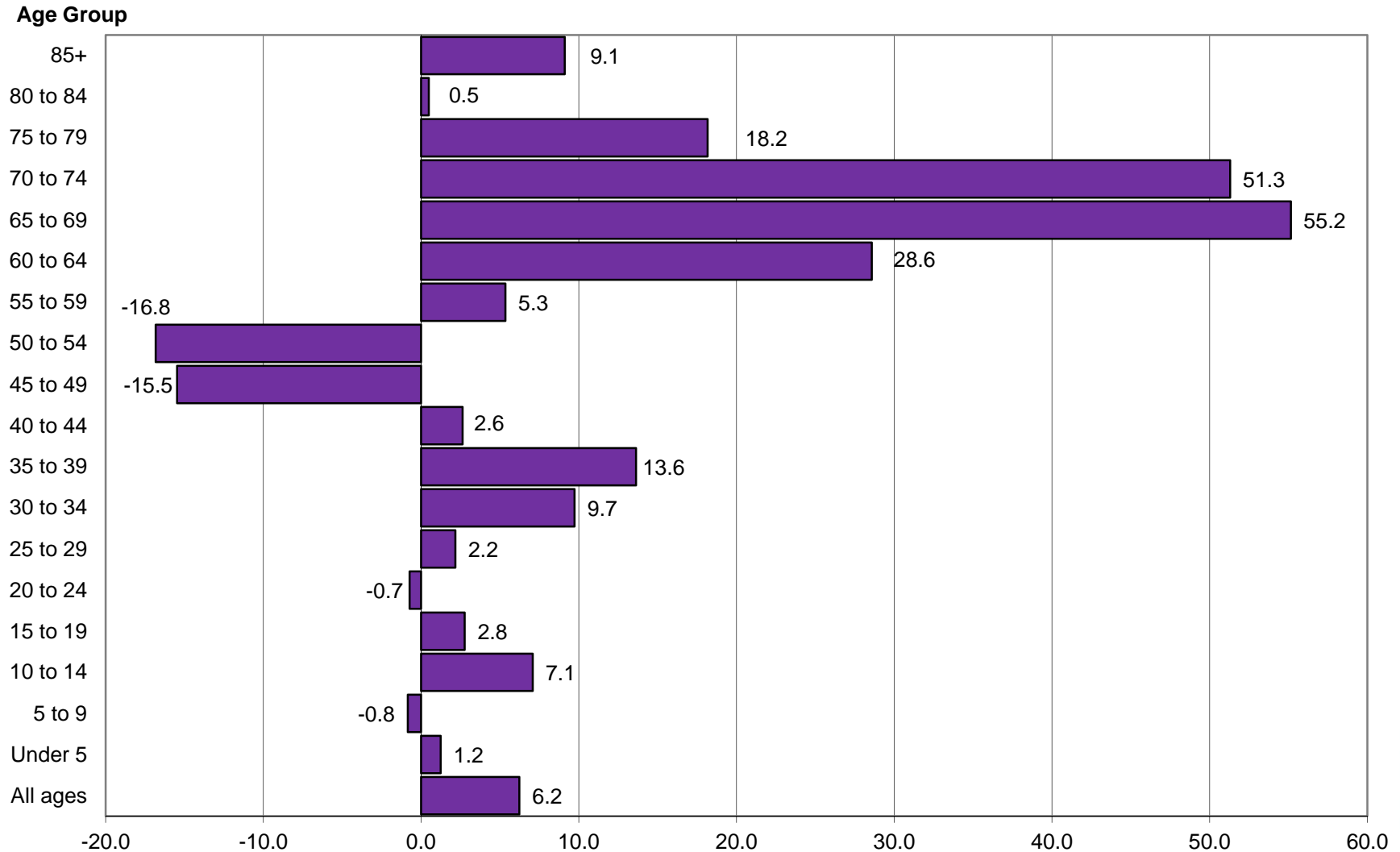
Sources: 2000 and 2010 Censuses, U.S. Census Bureau

Prepared by: Center for Public Affairs Research, UNO

2010s: 85+ growth slows via smaller Depression cohort



Percentage Change for 5-Year Age Groups in Nebraska: 2010 to 2020 (projected)



Sources: 2010 Census, U.S. Census Bureau;
June 2013 CPAR Projections

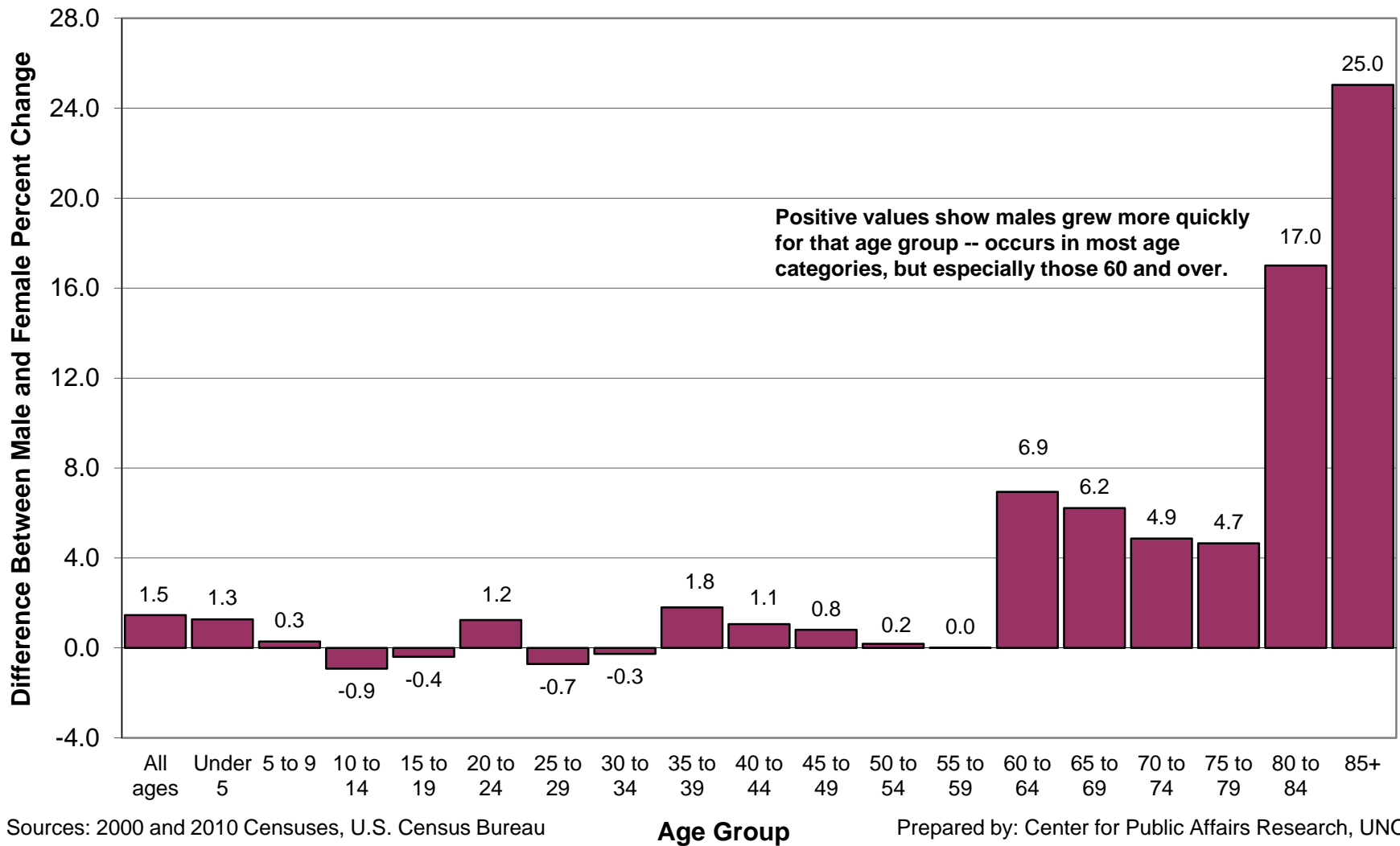
Percent Change

Prepared by: Center for Public Affairs Research, UNO

Older men grew at a faster rate than older women in 2000s



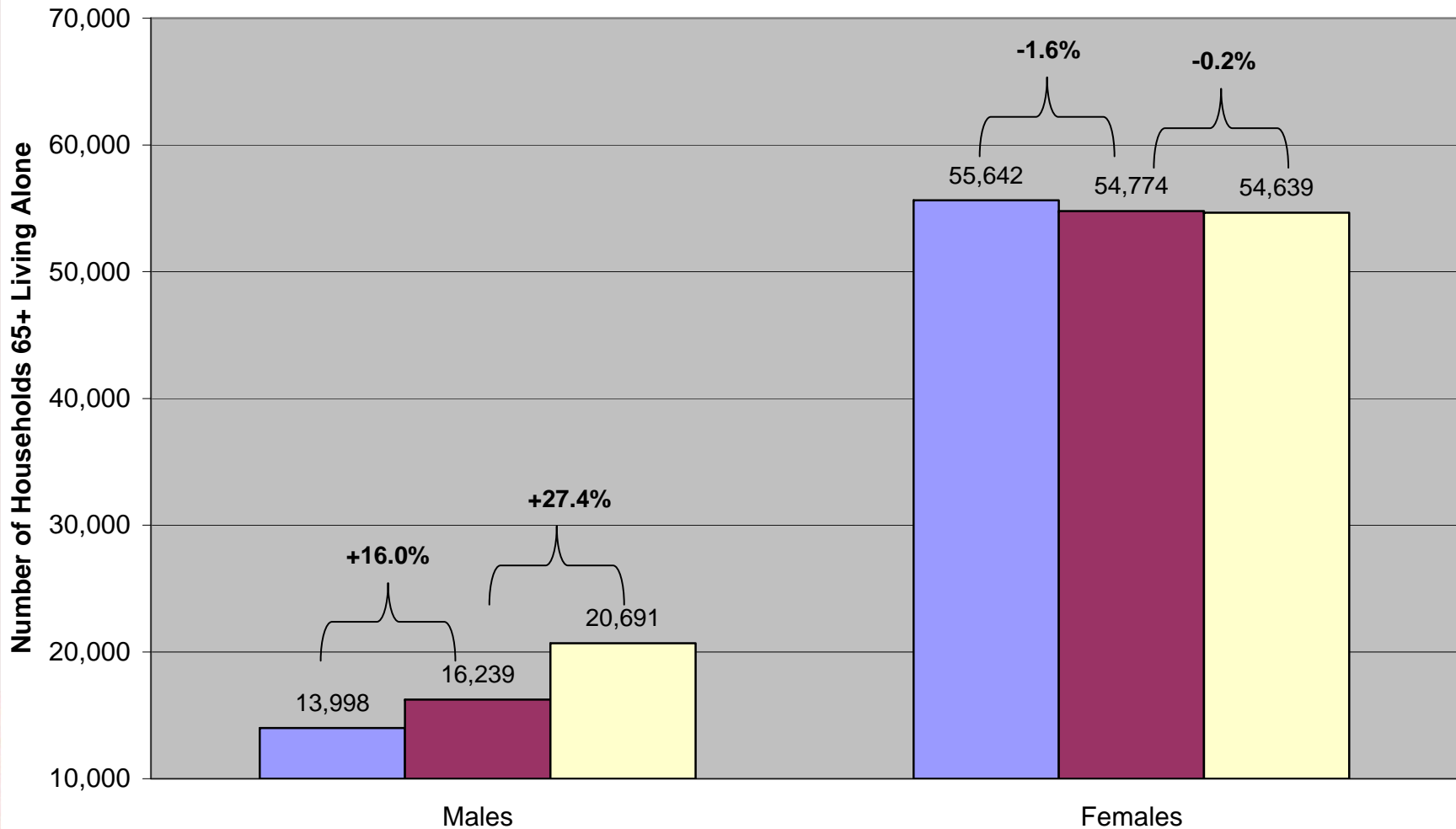
Differential in Percentage Changes of 5-Year Age Groups for Men vs. Women in Nebraska: 2000 to 2010



Older men living alone rising while declining for women



Number of Nebraskans Aged 65 and Older Living Alone by Gender: 1990 to 2010



Sources: Decennial Censuses,
U.S. Census Bureau

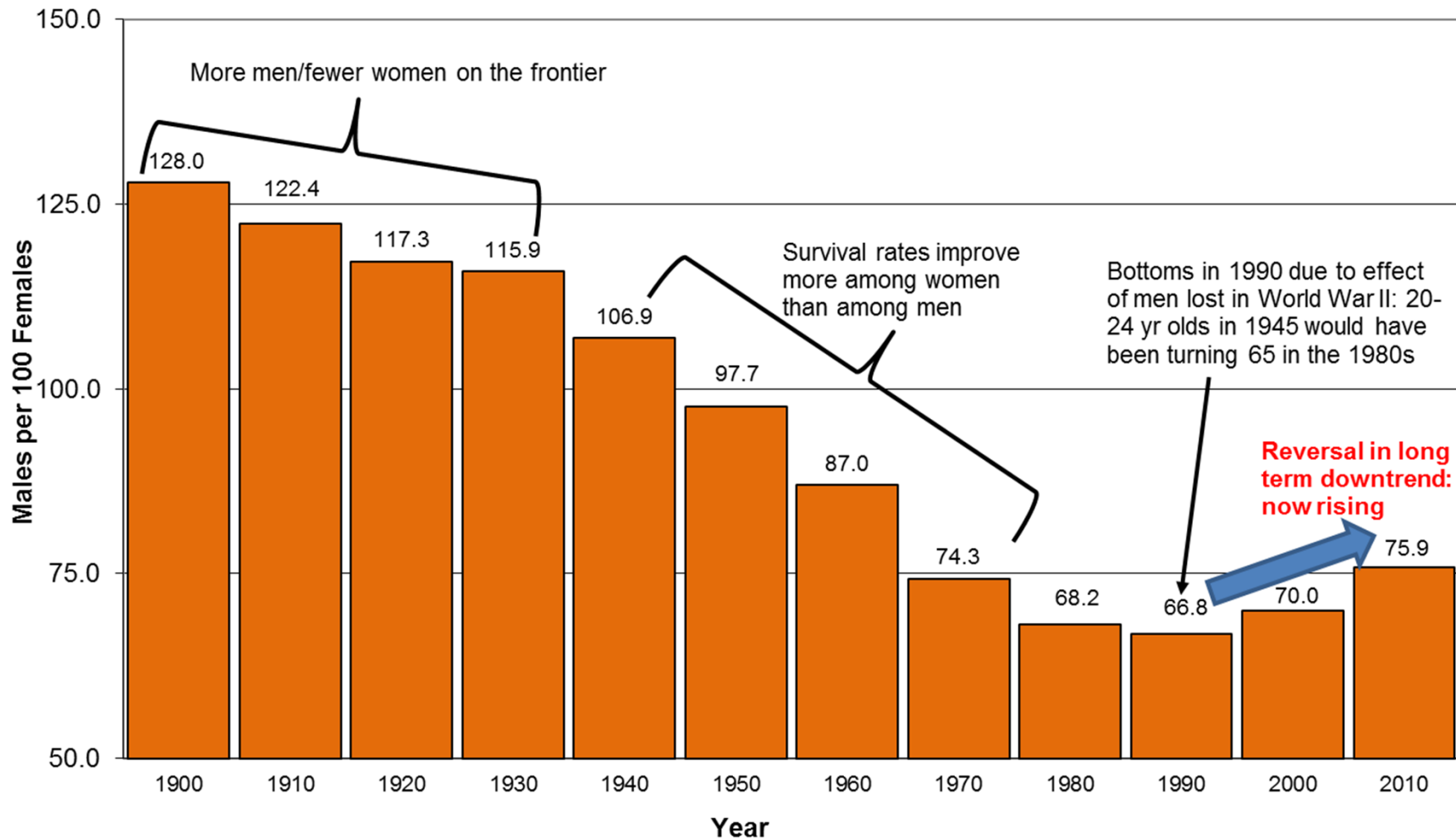
■ 1990 ■ 2000 ■ 2010

Compiled and Prepared by: David Drozd,
UNO Center for Public Affairs Research

New CPAR finding: Older Male to Female Ratio now rising



Age 65+ Ratio of Males per 100 Females in Nebraska: 1900 to 2010



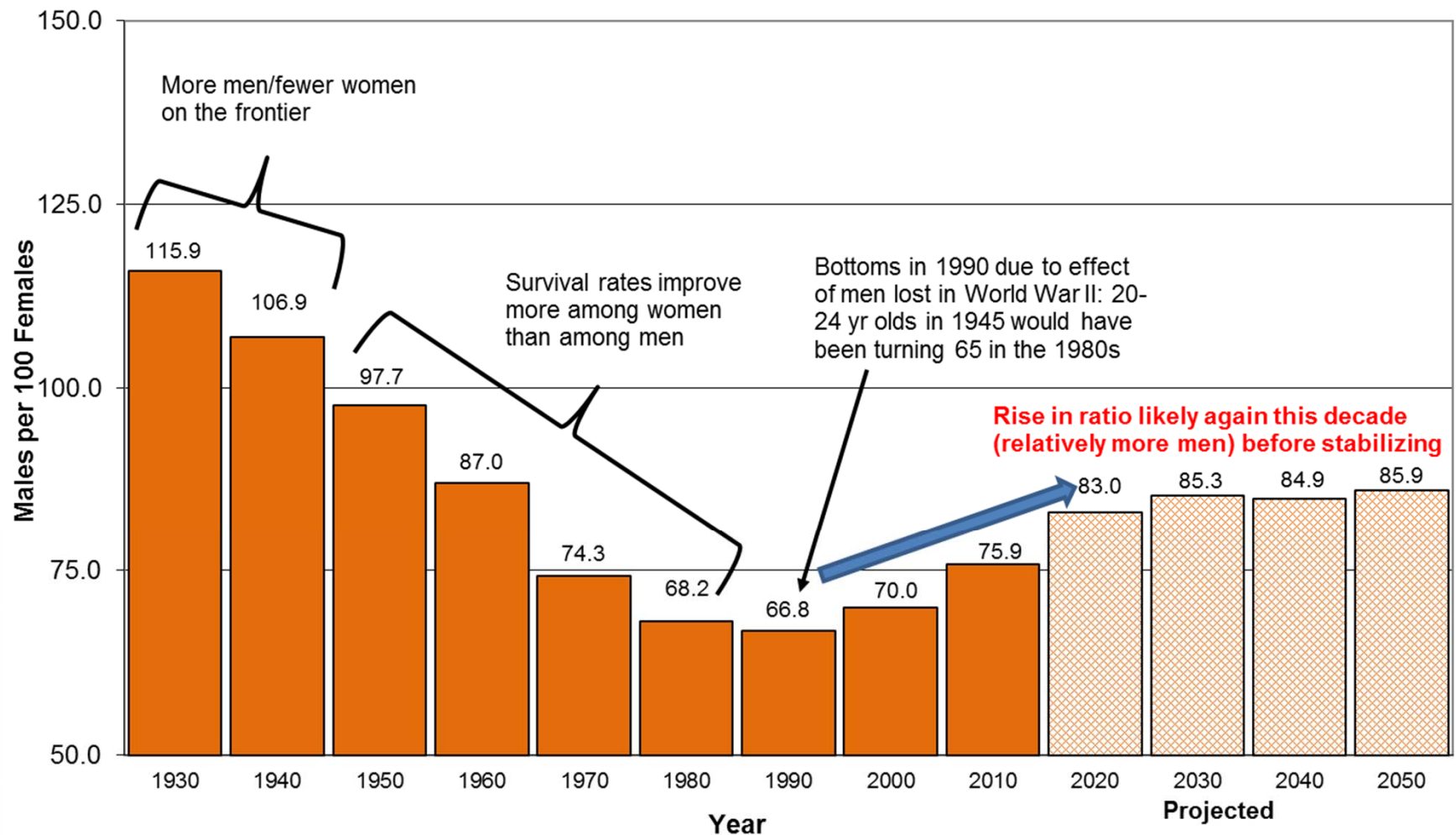
Sources: Decennial Censuses, U.S. Census Bureau

Prepared by: Center for Public Affairs Research, UNO

Older Men Projected to Grow Faster again in 2010s (ratio up)



Age 65+ Ratio of Males per 100 Females in Nebraska: 1900 to 2010



Sources: Decennial Censuses, U.S. Census Bureau

Prepared by: Center for Public Affairs Research, UNO



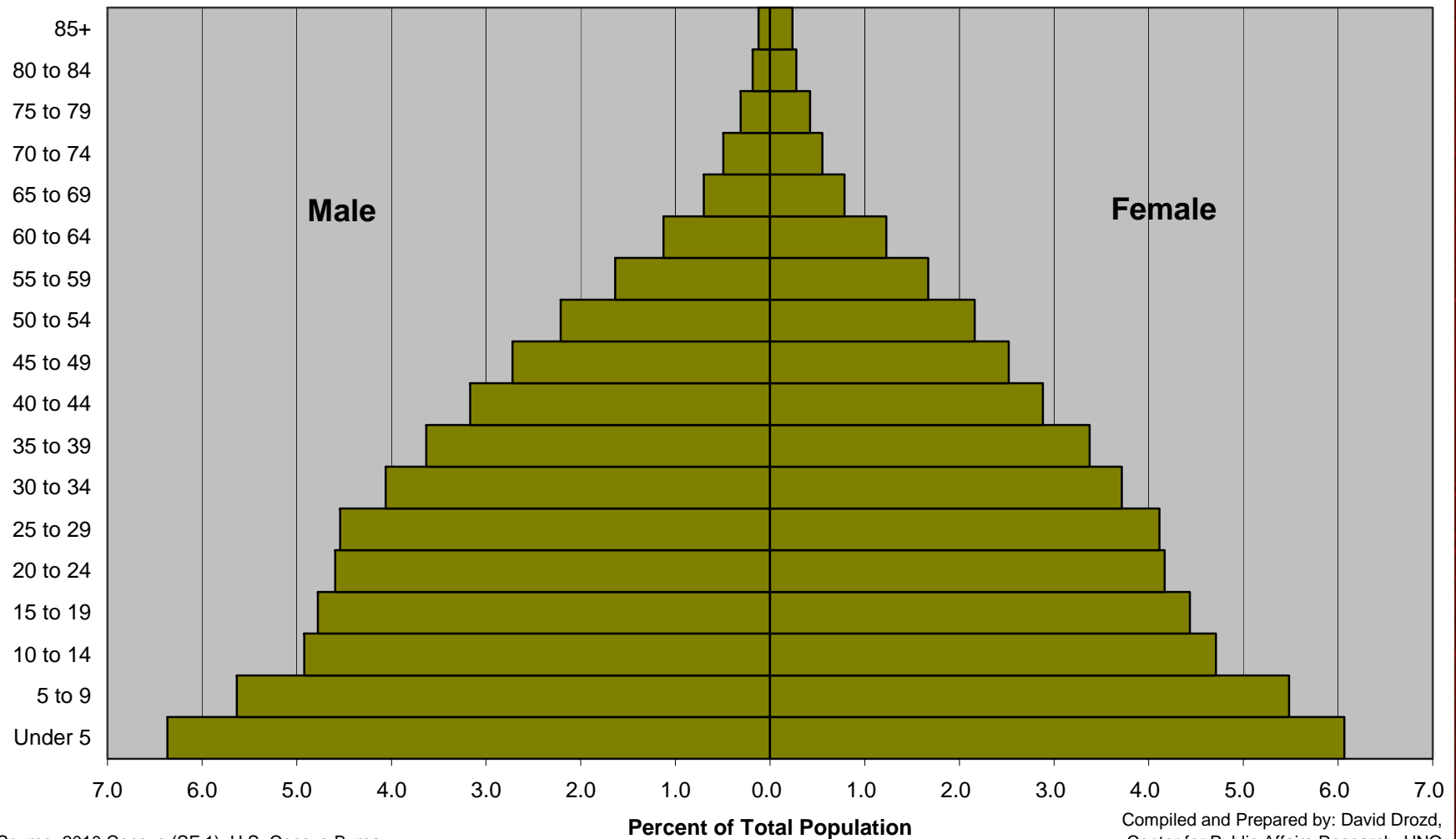
RACE/ETHNICITY TRENDS

Nebraska Minority Population has a “Pyramid” Structure



**2010 Nebraska Population by Sex and Five-Year Age Group:
Non-White or Hispanic/Latino (Minority Population)**

Age Group



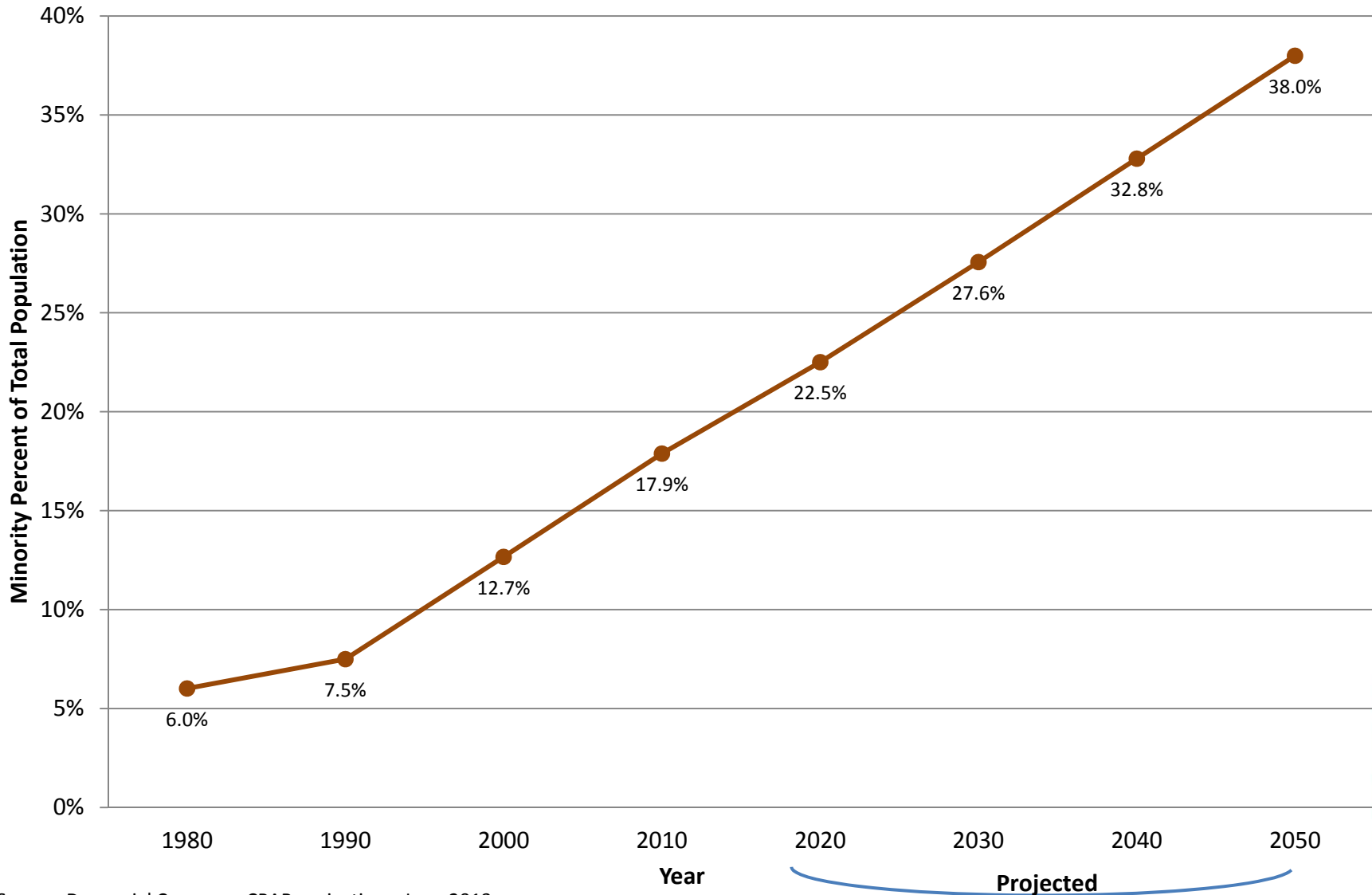
Source: 2010 Census (SF 1), U.S. Census Bureau

Compiled and Prepared by: David Drozd,
Center for Public Affairs Research, UNO



Minority % will continue increasing (quite linearly)

Minority (non White or Hispanic) Percentage of Nebraska Population: 1980 to 2010 with 2020 to 2050 Projection

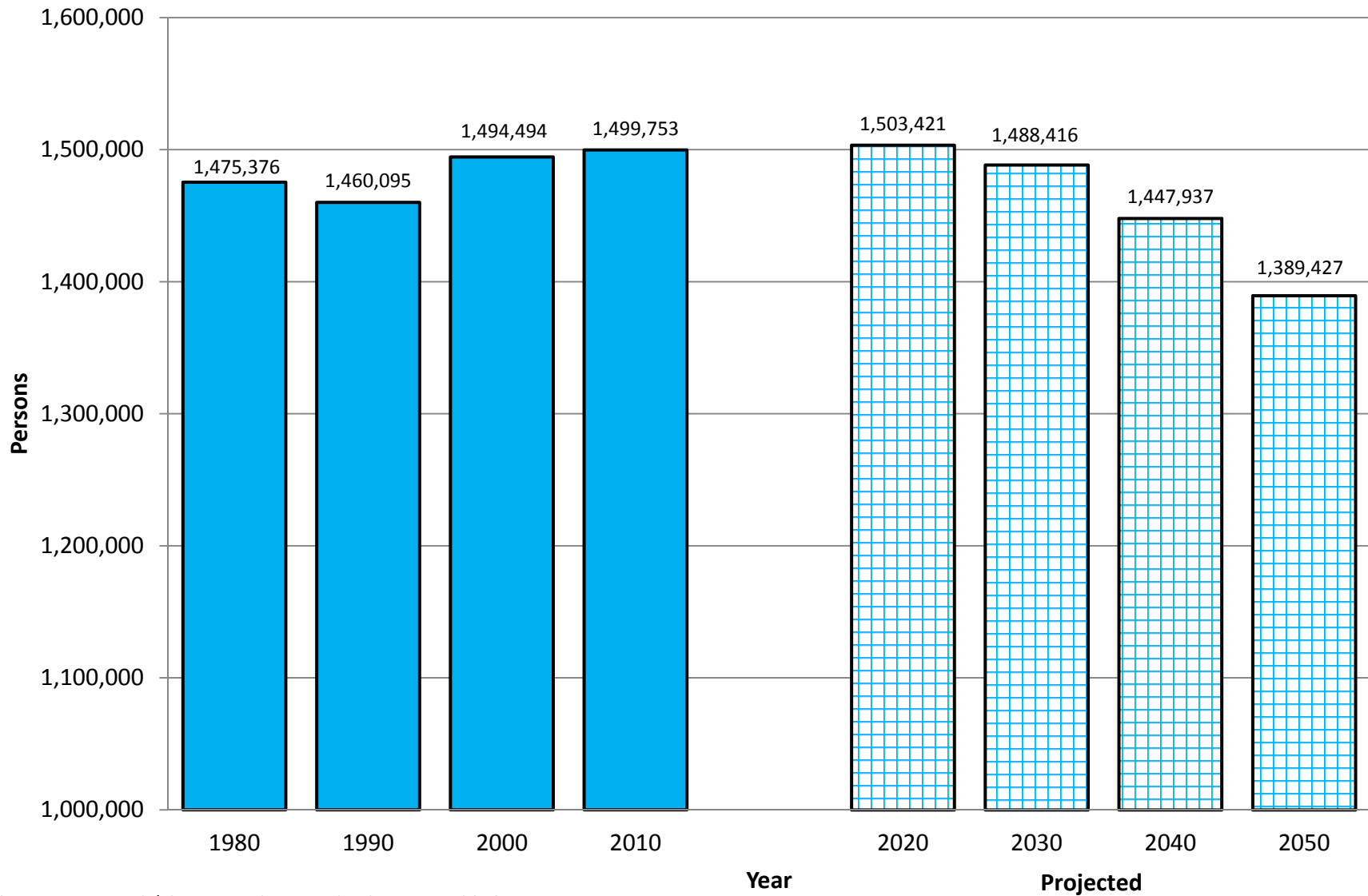


Source: Decennial Censuses; CPAR projections, June 2013



Whites Likely to Have Population Decline

Nebraska White non Hispanic Population: 1980 to 2010 with 2020 to 2050 Projection

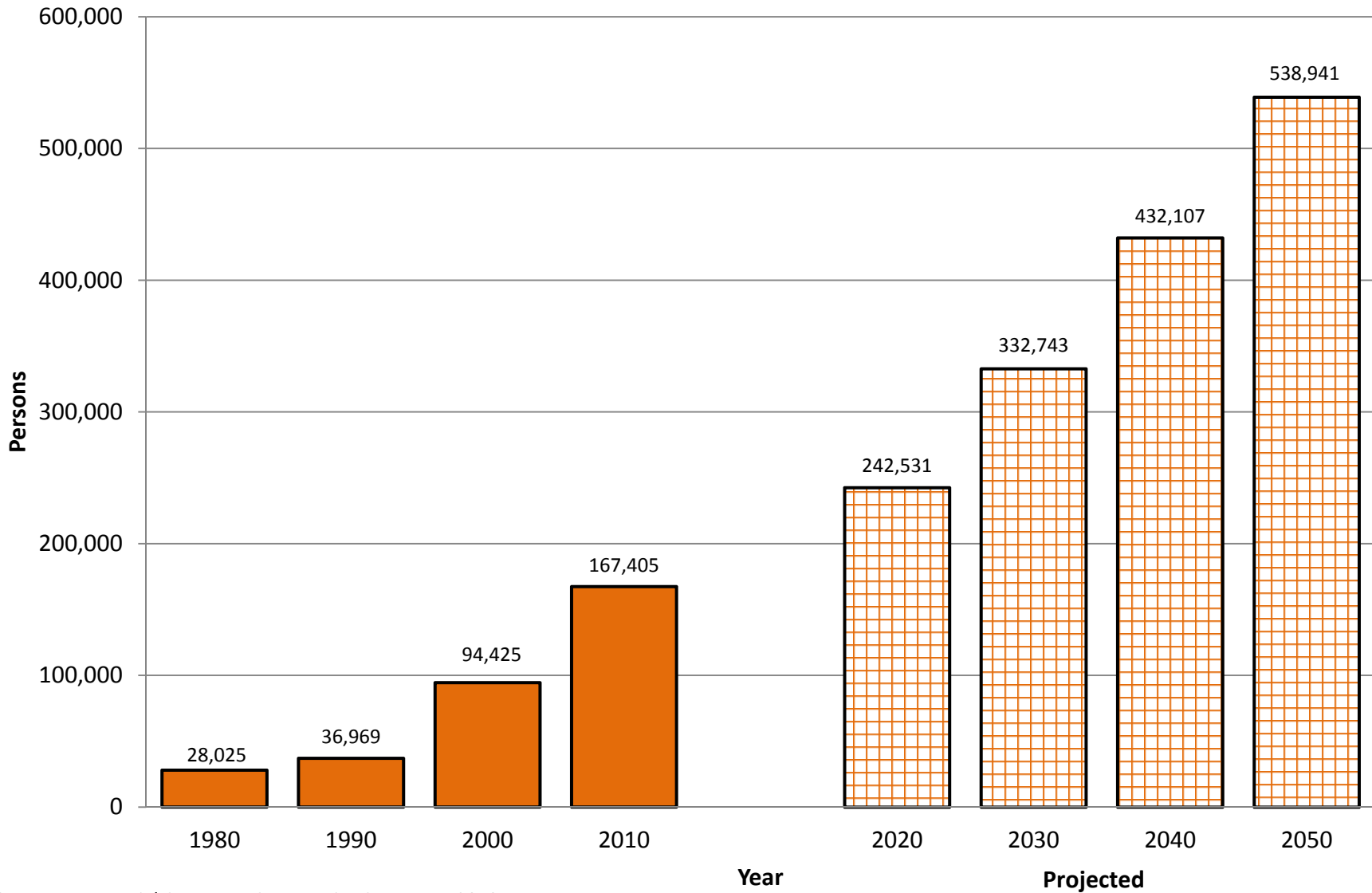


Sources: Decennial Censuses; CPAR projections, June 2013

Hispanic Population will Increase (regardless of migration)



Nebraska Hispanic Population: 1980 to 2010 with 2020 to 2050 Projection

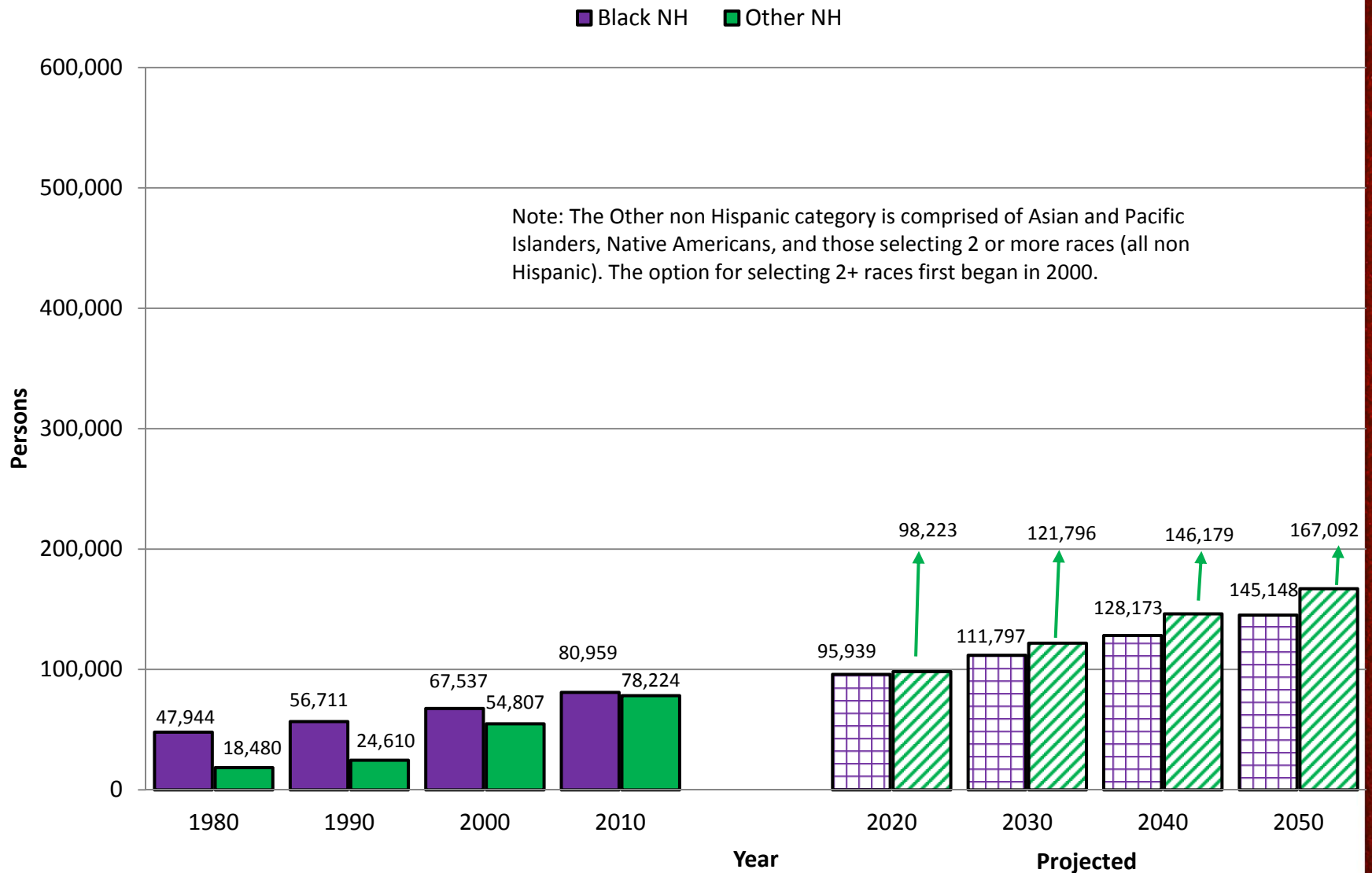


Sources: Decennial Censuses; CPAR projections, June 2013

Other NH will become larger than Black NH this decade



Nebraska Black non Hispanic and "Other" non Hispanic Populations: 1980 to 2010 with 2020 to 2050 Projection



Sources: Decennial Censuses; CPAR projections, June 2013



Summary of Nebraska Population Change by Component and Race/Ethnicity

	<u>1990s</u>	<u>2000s</u>	<u>Projected 2010s</u>
Nebraska Population Change	132,878	115,078	113,773
From Natural Change	84,611	109,478	112,654
White non-Hispanic	55,201	55,414	48,316
Black non-Hispanic	8,177	10,663	11,874
Other non-Hispanic	6,265	9,029	10,716
Hispanic	14,968	34,372	41,748
From Net Migration	48,267	5,600	1,399
White non-Hispanic	-20,802	-50,155	-44,677
Black non-Hispanic	2,649	2,759	3,259
Other non-Hispanic*	23,932	14,388	9,359
Hispanic	42,488	38,608	33,458

* Some of the 1990s changes for Other NH stem from the addition of the 2+ race option on 2000 Census forms.



SPECIAL TOPICS



Some Income Figures to Put Nebraska's Changes in the Recession/Recovery in Perspective

- In 2011 dollar terms, Nebraska's median household income went from \$51,074 in 2007 to \$50,296 in 2011
 - This decline of -1.5% ranked as the 6th best change among the states and District of Columbia
- In the last year real MHI increased from \$49,770 in 2010
 - This was a 1.1% increase and ranked 9th best
- Overall, the level of median household income in Nebraska ranked 33rd highest in 2007, and improved by 10 spots to 23rd highest in 2011.
 - Ranking from 2000 (32nd best) was similar to the 33rd in 2007
 - That doesn't account for cost of living differences; using a cost of living index from top50states.com Nebraska's income in 2011 would rank 8th highest nationally!!
 - That figure should be promoted more than it is

2011 Income Data



Ranking of 2011 Median Household Income Data with Cost of Living Adjustment

Sources: R1901, 2011 American Community Survey U.S. Census Bureau;

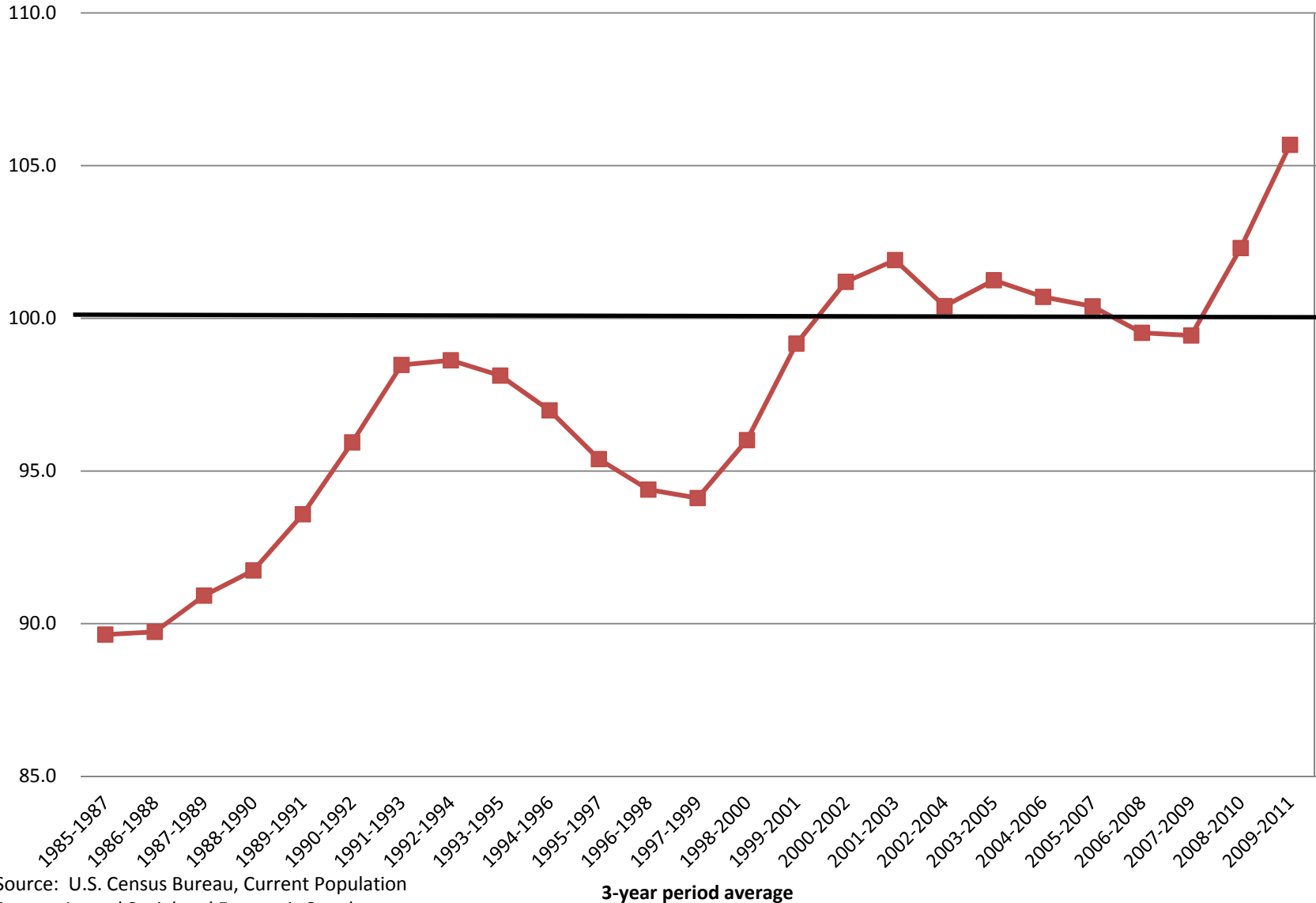
COLA index, www.top50states.com

Area	2011 MHI	Rank	COLA index	Adjusted Inc.	Rank
United States	50,502	n/a	1.000	50,502	n/a
Virginia	61,882	8	0.993	62,318	1
Utah	55,869	15	0.963	58,016	2
Delaware	58,814	10	1.014	58,002	3
Wyoming	56,322	14	1.004	56,098	4
Maryland	70,004	1	1.258	55,647	5
Minnesota	56,954	12	1.028	55,403	6
Illinois	53,234	19	0.962	55,337	7
Nebraska	50,296	23	0.909	55,331	8
Texas	49,392	26	0.905	54,577	9
Washington	56,835	13	1.045	54,388	10
North Dakota	51,704	21	0.951	54,368	11
Colorado	55,387	16	1.028	53,878	12
Alaska	67,825	2	1.264	53,659	13
Kansas	48,964	27	0.917	53,396	14
New Hampshire	62,647	7	1.174	53,362	15
New Jersey	67,458	3	1.265	53,326	16
South Dakota	48,321	29	0.913	52,926	17
Iowa	49,427	25	0.935	52,863	18
Wisconsin	50,395	22	0.957	52,659	19
Connecticut	65,753	4	1.253	52,476	20



People should be moving to NE, not moving away

Nebraska Percent of U.S. Real Median Household Income Over Time

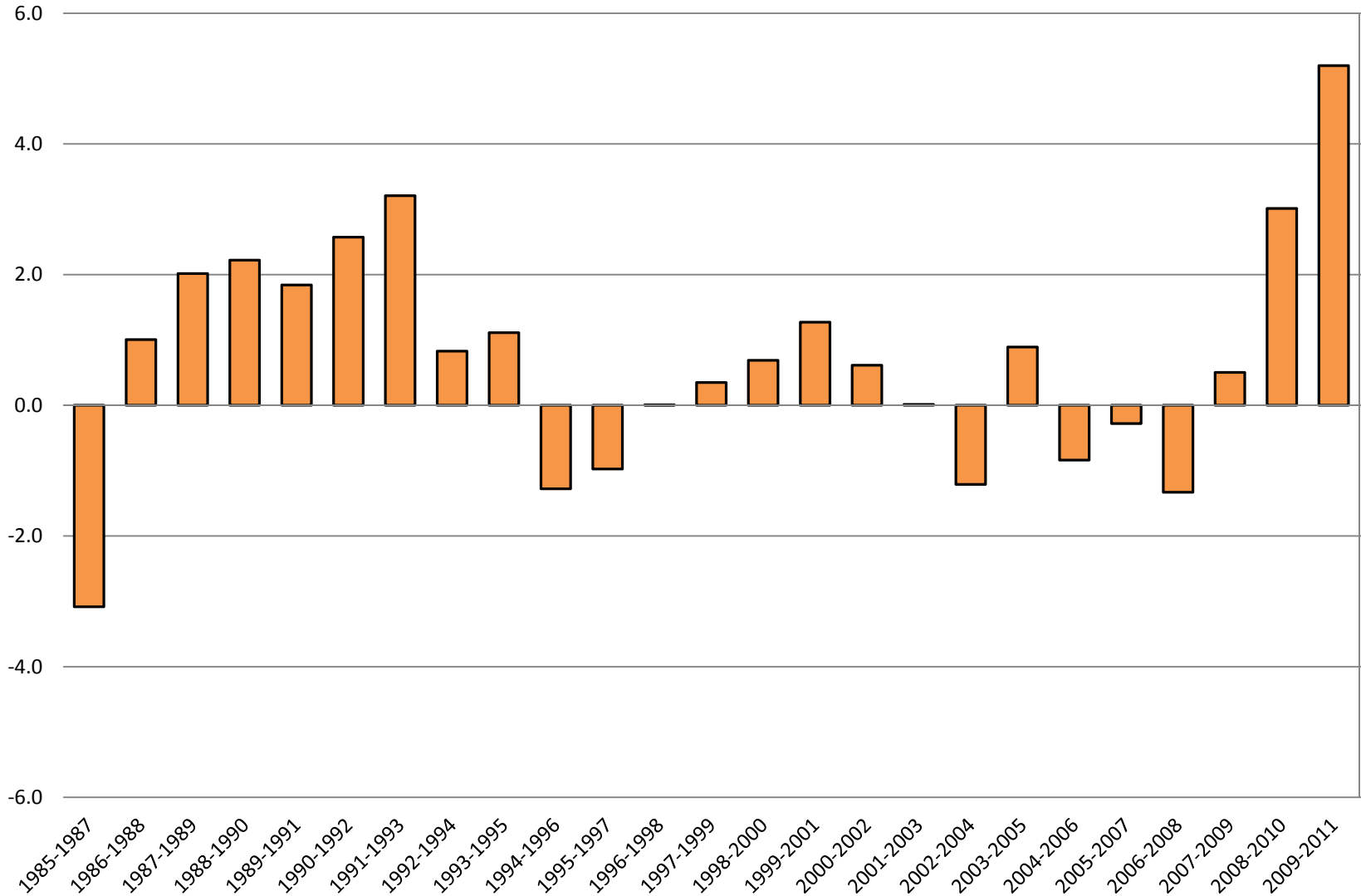


Source: U.S. Census Bureau, Current Population Survey, Annual Social and Economic Supplements



Real Income Growth Gap between NE and CA best ever

Difference in Annual Percent Change in Real Median Household Income: Nebraska vs. California based on 3-year averages



Source: U.S. Census Bureau, Current Population Survey, Annual Social and Economic Supplements

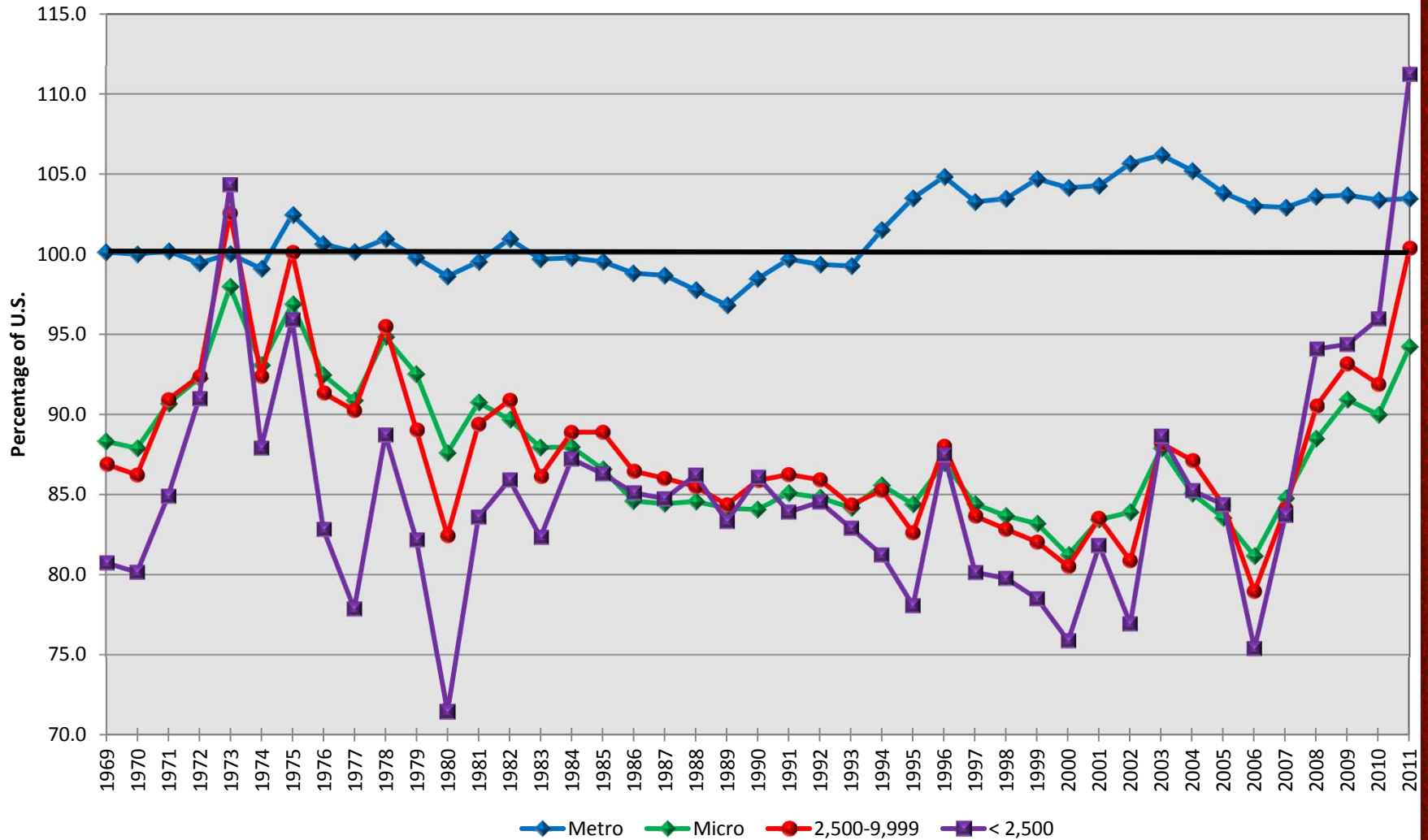
■ Difference between NE & CA

Note: this shows the gap in income growth--the 5.1% difference with CA in 2009-11 stems from NE growing 1.6% while CA declined 3.5%

Nonmetro incomes much improved vs. 2006



Per Capita Personal Income of Nebraska Counties As a Percentage of the U.S. By Metropolitan and Micropolitan Status (2003 Definitions) and Size of Largest City (2,500-9,999 and Under 2,500): 1969-2011



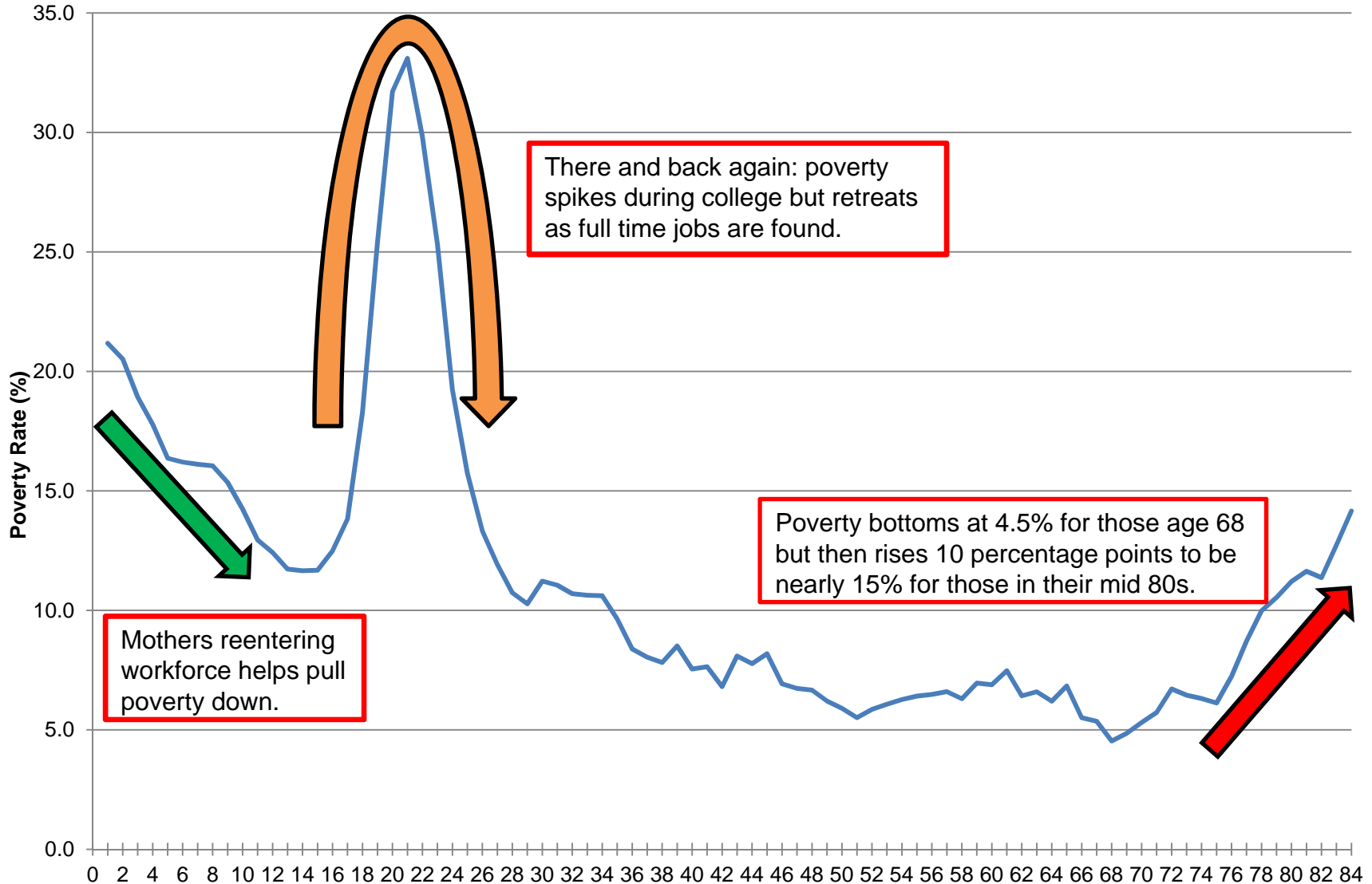
Source: US Bureau of Economic Analysis, Regional Economic Information System, released November 26, 2012

Prepared by: Center for Public Affairs Research, UNO, June 2013



Custom Analysis: How Poverty Changes by Age

Nebraska Poverty Rate by Single Year of Age: 2006-2010 Timeframe



Source: 2006-10 American Community Survey PUMS file, U.S. Census Bureau

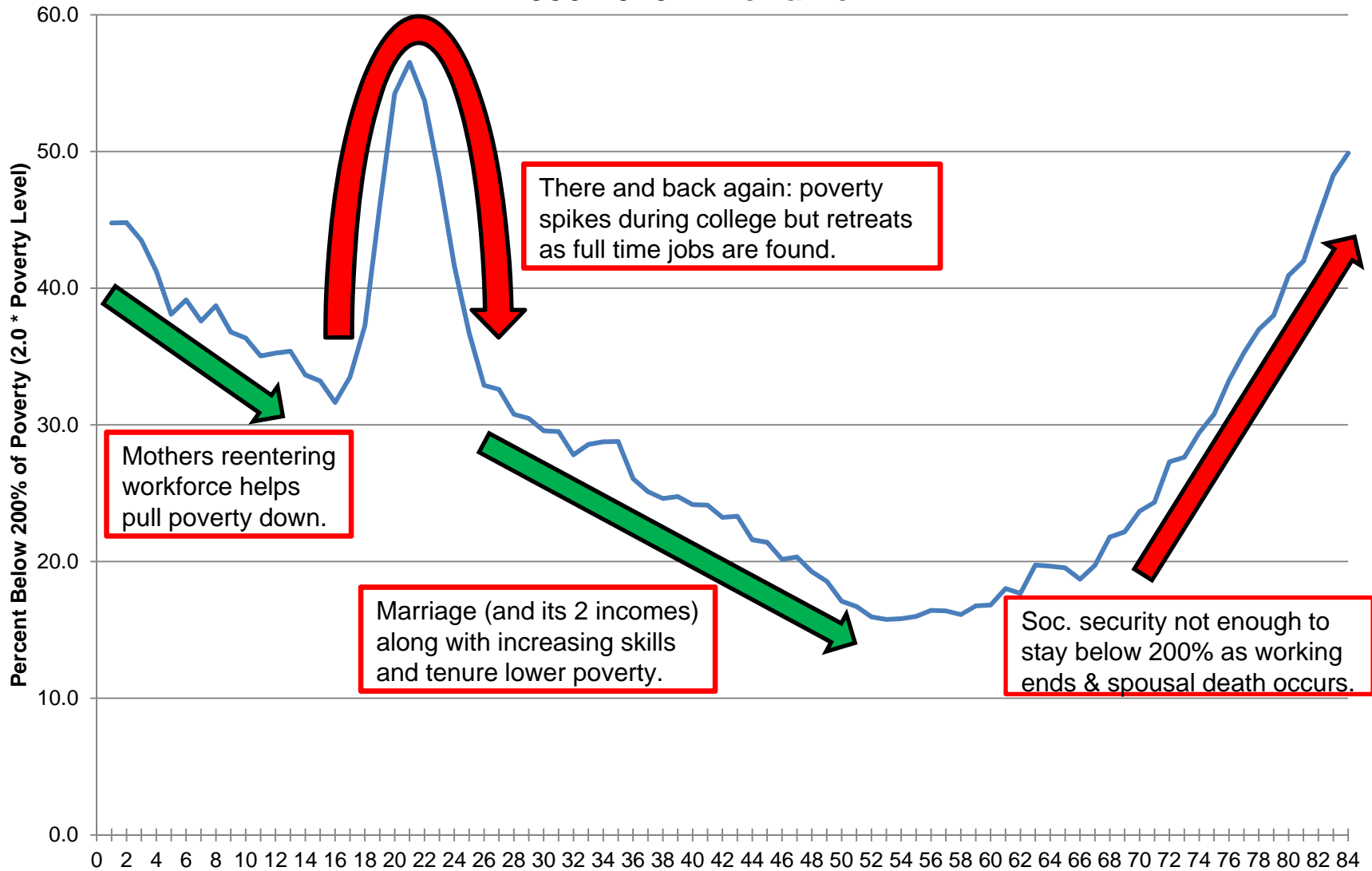
Single Year of Age
(Smoothed by 3-year average)

Custom Calculation Prepared by: David Drozd,
UNO Center for Public Affairs Research

2X Poverty: Elders must barely be above poverty line



Nebraska Percent Below 200% of Poverty by Single Year of Age: 2006-2010 Timeframe



Source: 2006-10 American Community Survey PUMS file, U.S. Census Bureau

Single Year of Age
(Smoothed by 3-year average)

Custom Calculation Prepared by: David Drozd,
UNO Center for Public Affairs Research



Census recently released a look at poverty if college students excluded

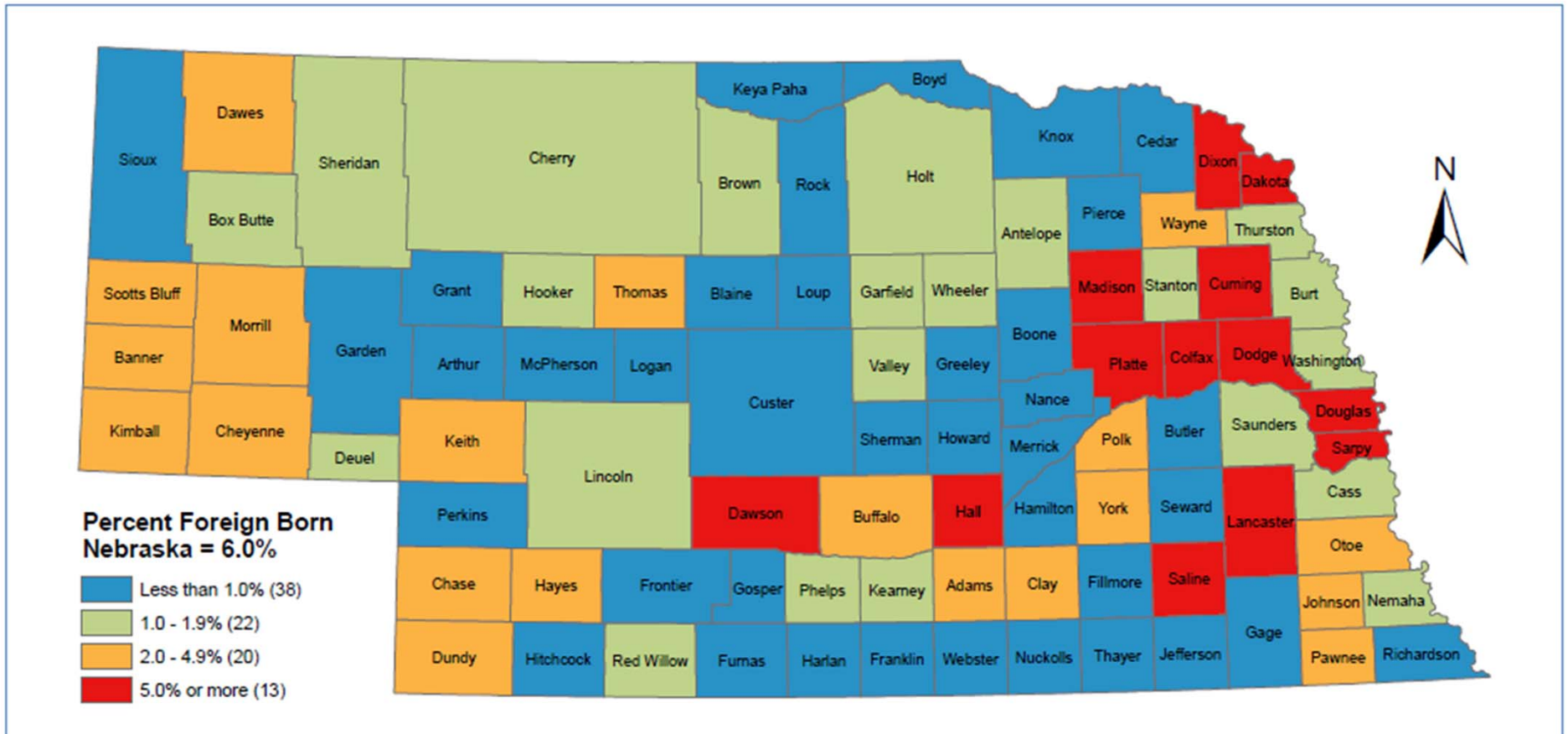
- Students living in dorms are excluded from the poverty calculation (as are residents of nursing homes and prisons – limited earnings potential)
 - The new census study took off-campus students enrolled in college out of the poverty calculation as well
 - Found that the poverty rate for off-campus students was a whopping 55% in Nebraska (above U.S. average of 52%)
 - Once removed, Nebraska's poverty rate dropped 1.1 points from 12.7 to 11.6% (more than U.S. drop of 0.7 points; only 6 states had a bigger drop)
 - Kearney -5.4 points; Lincoln -3.5; Omaha -1.2; Norfolk -0.9
 - The higher the proportion of college students, the bigger the impact; Ames, IA -16.8; Manhattan, KS -16.0
 - Allows for a more apples-to-apples comparison of locations when one has a major college student population
 - With college students: Lincoln poverty (16.9%) > Omaha (16.3%)
 - Without college students: Lincoln poverty (13.5% < Omaha (15.1%)



Specifics on the Nebraska Increase in Foreign Born

Foreign Born Including Born in Mexico and Percentages: Various Censuses and ACS - Nebraska							
Prepared by: David Drozd, CPAR @ UNO for 2013 Nebraska Data Users Conference							
Sources: 1960 Census (Table 99 Detailed Characteristics), 1970 Census (Table 49), 1980 Census (table 195), 1990 Census (table 33), 2000 Census (table PCT 19), 2006-2008 and 2009-2011 American Community Surveys (table B05006)							
Category	1960	1970	1980	1990	2000	2006-08 ACS	2009-11 ACS
Total Population (TP)	1,411,308	1,482,412	1,569,825	1,578,385	1,711,263	1,770,896	1,828,488
Native Born	1,371,070	1,453,616	1,538,824	1,550,187	1,636,625	1,672,257	1,714,188
Foreign Born (FB)	40,238	28,796	31,001	28,198	74,638	98,639	114,300
Born in Mexico	1,521	1,123	2,618	4,421	30,462	42,576	47,630
Mexico Born % of FB	3.8	3.9	8.4	15.7	40.8	43.2	41.7
Mexico Born % of TP	0.1	0.1	0.2	0.3	1.8	2.4	2.6
Foreign Born % of TP	2.9	1.9	2.0	1.8	4.4	5.6	6.3

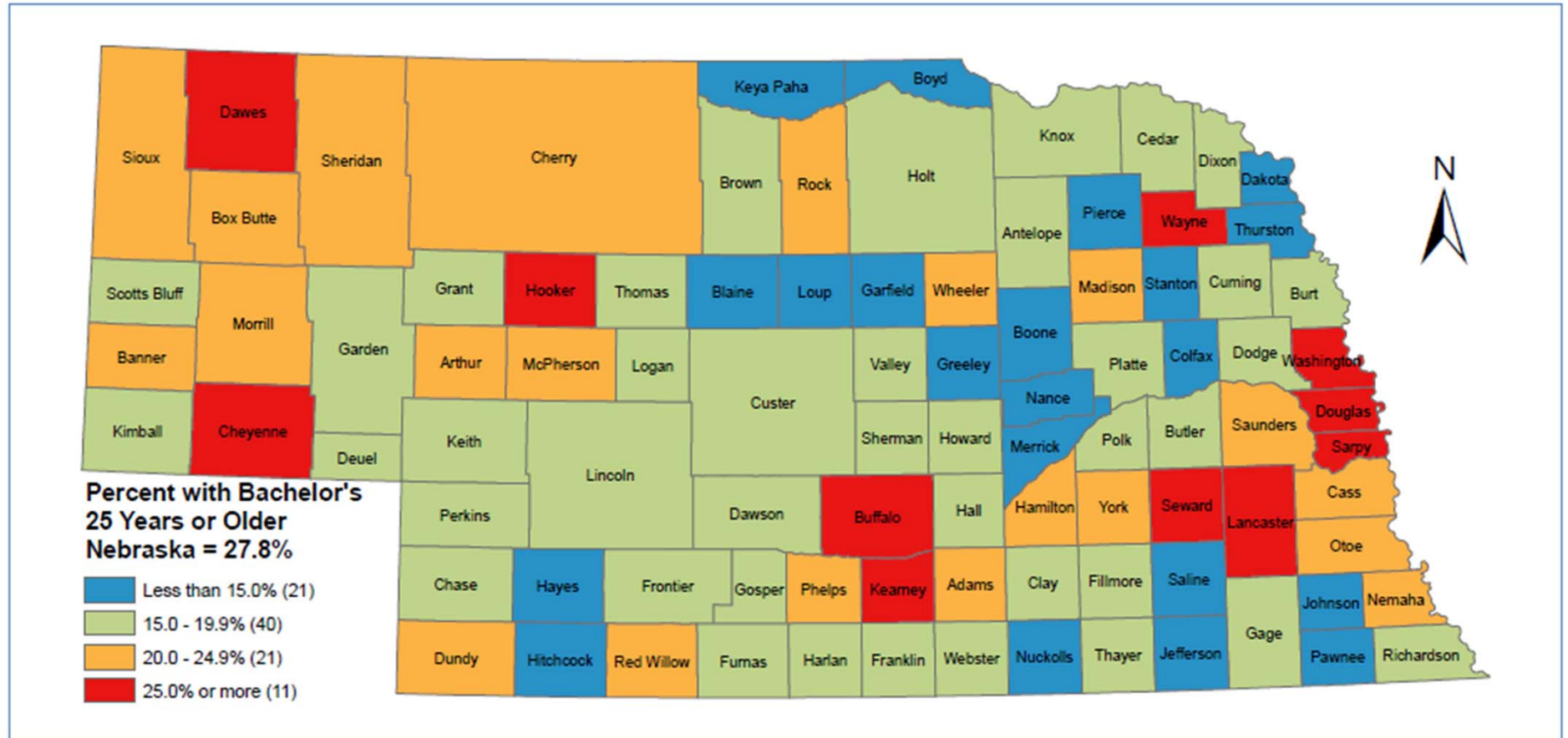
Map 4. Foreign Born Population as a Percentage of Total Population for Nebraska Counties: 2007-2011



Source: U.S. Census Bureau, 2007-2011 American Community Survey

Prepared by: Center for Public Affairs Research, University of Nebraska at Omaha, December 2012

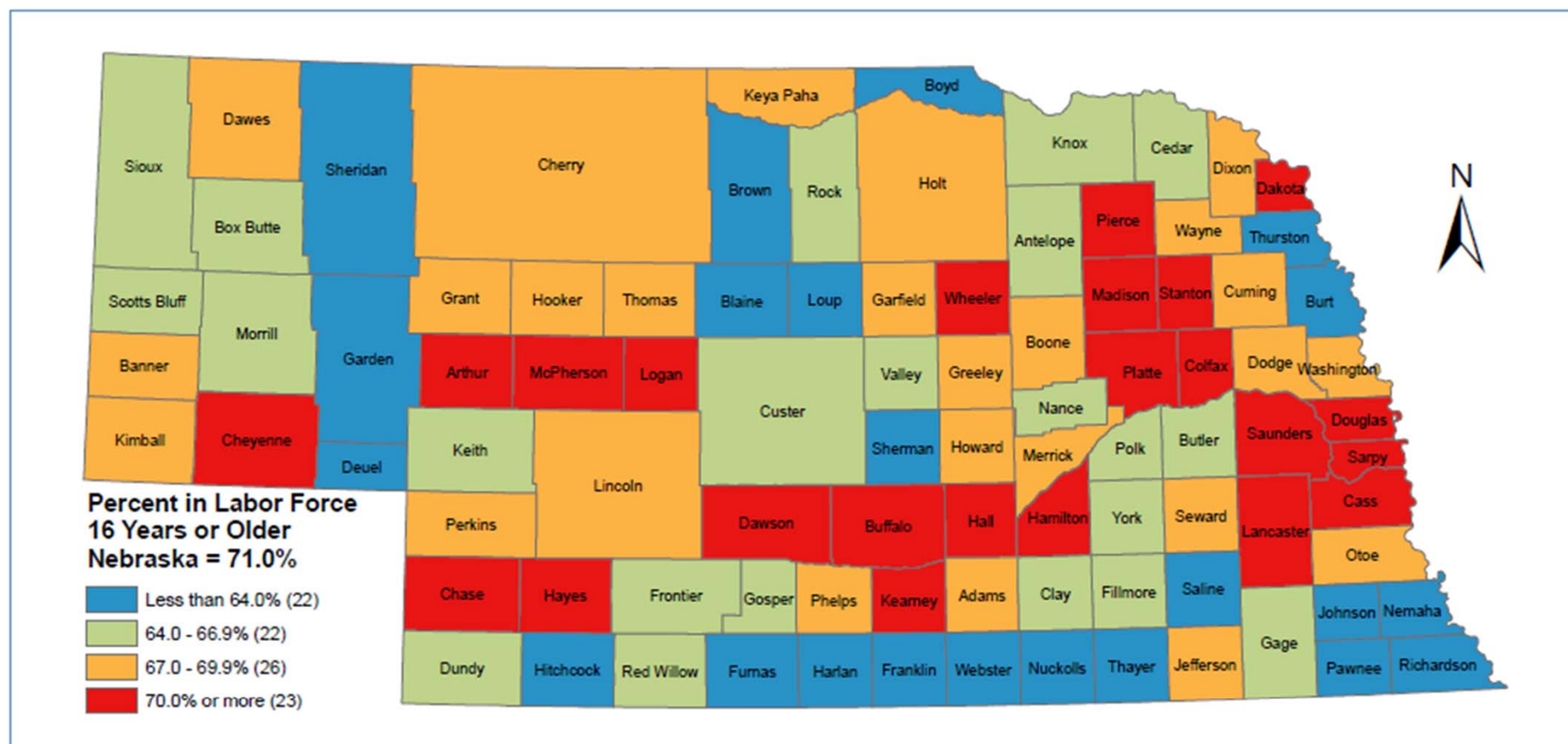
Map 6. Persons with at least a Bachelor's Degree as a Percentage of the Population Aged 25 Years or Older for Nebraska Counties: 2007-2011



Source: U.S. Census Bureau, 2007-2011 American Community Survey

Prepared by: Center for Public Affairs Research, University of Nebraska at Omaha, December 2012

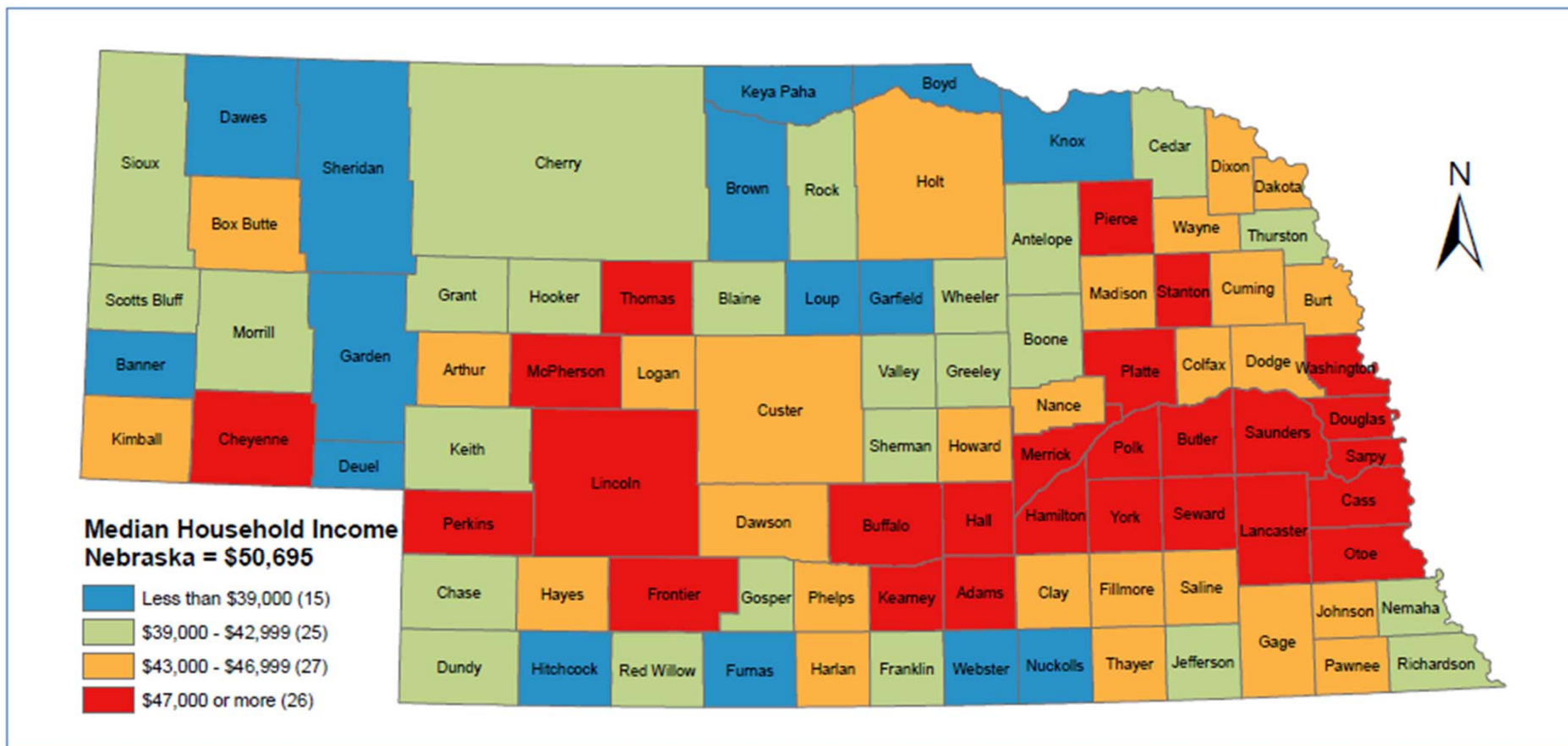
Map 10. Labor Force Participation for the Population 16 Years or Older for Nebraska Counties: 2007-2011



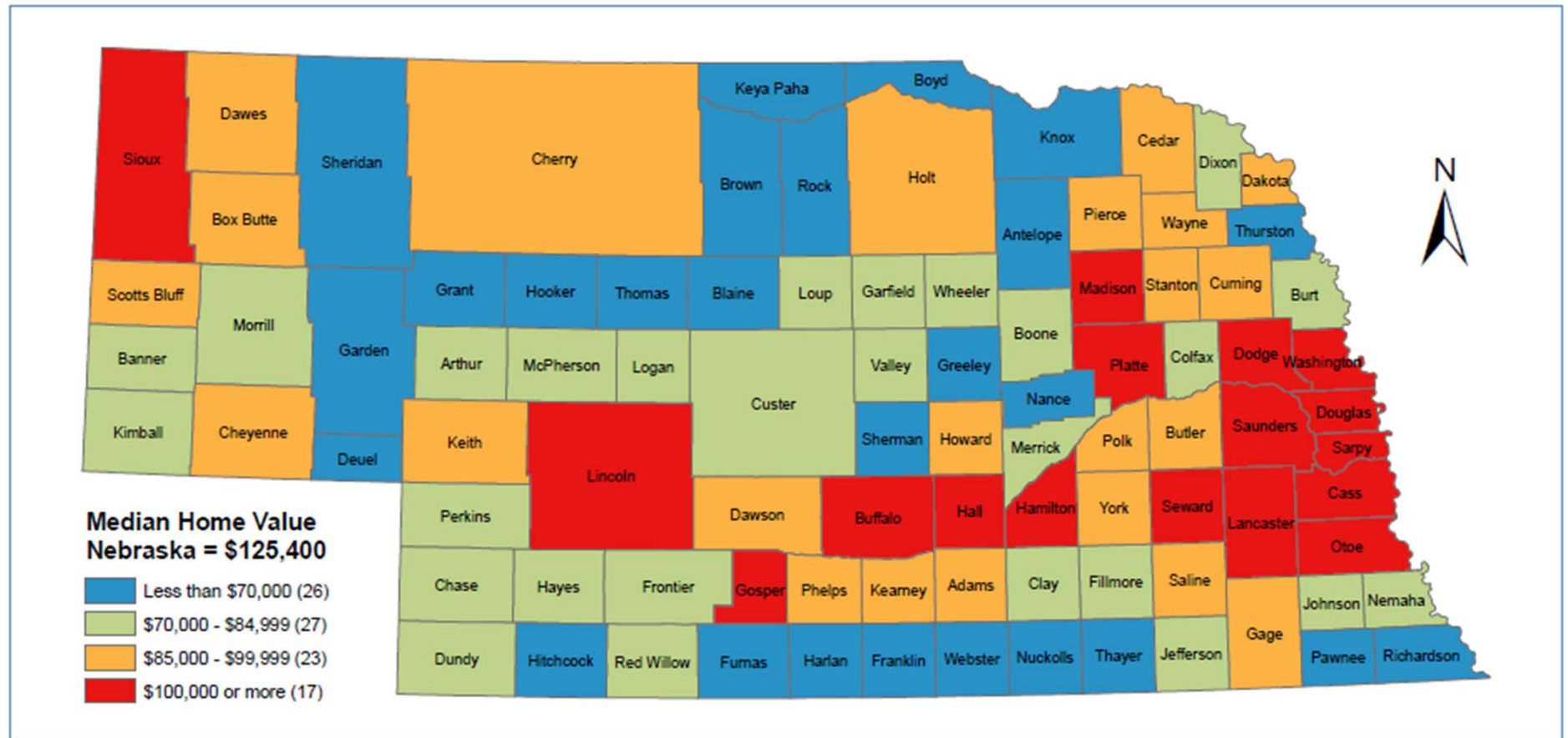
Source: U.S. Census Bureau, 2007-2011 American Community Survey

Prepared by: Center for Public Affairs Research, University of Nebraska at Omaha, December 2012

Map 9. Median Household Income (2011 Dollars) for Nebraska Counties: 2007-2011



Map 14. Median Value (2011 Dollars) of Owner Occupied Housing Units for Nebraska Counties: 2007-2011



Source: U.S. Census Bureau, 2007-2011 American Community Survey

Prepared by: Center for Public Affairs Research, University of Nebraska at Omaha, December 2012



Sampling of Interesting things we've posted to Facebook: Like our site here: www.facebook.com/unocpar

- June 25 – NE right behind North Dakota and Texas for affordable housing prices relative to income
- June 24 – A history of Hispanic Births in NE
- June 14 – Recession continues to narrow gap between NE Hispanic and White annual pop growth
- May 31 – Census releases neat, useful files showing commuting and daytime population changes
- May 7 – What % of married couples reach their 25th, 50th, and 70th anniversary
- April 10 – Average child care costs up 70% since 1985, Nebraskans know it well given high labor force participation and daycare usage
- April 2 – Nebraska remains in top 10 for the % of kids under 18 living with 2 married parents, down from 2000 level
- March 26 – NE births to unmarried mothers has declined 2 straight years – that hasn't happened any other time since 1960
- March 18 – Play population bracketology: <http://tinyurl.com/cpoqktv>
- March 6 – How educated are Omaha and Lincoln residents – you might be surprised!
- March 4 – CPAR adds data to “work from home” debate



Summary

- Nebraska's population has changed over time and will continue to do so
 - Having these figures can hopefully provide some information on what has happened and some guidance on what is likely to occur in the future
- Migration is a wildcard and can change quickly
 - Will baby boomers move out after retirement?
 - Will Nebraska's relatively good migration continue or revert to past trends? Incentives for young to stay here?
- Are we ready for the increase in aging, especially older men?
 - Did you know about the growth in older men before today?
- When in doubt, check things out.
 - Appropriate data use, sources, accuracy vs. timeliness tradeoff
 - On our facebook page – that's where we'll post items of interest and findings: Like www.facebook.com/unocpar
 - Contact us on questions; when you need something compiled or need assistance on American FactFinder; we're a resource!

The End

Questions??

