



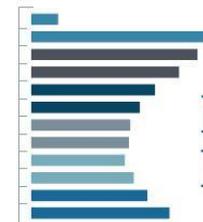
Demographic trends and data resources



Lou Kaluza's Social Demographics Class

**Michael Peterson,
Research Analyst**

June 2014

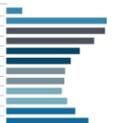


Minnesota State
Demographic Center



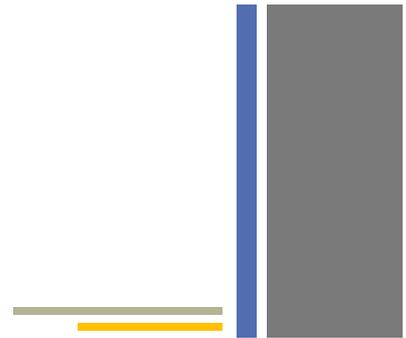
What is the role of the MN State Demographic Center?

- Serve as a liaison to the Census Bureau and assist with the decennial census counts
- Create MN population estimates and projections
- Analyze, interpret and distribute data from the state, U.S. Census Bureau and other sources
- Offer data and technical assistance to legislators, all levels of government, organizations and citizens across the state
- Monitor trends and help MN to make data-informed decisions

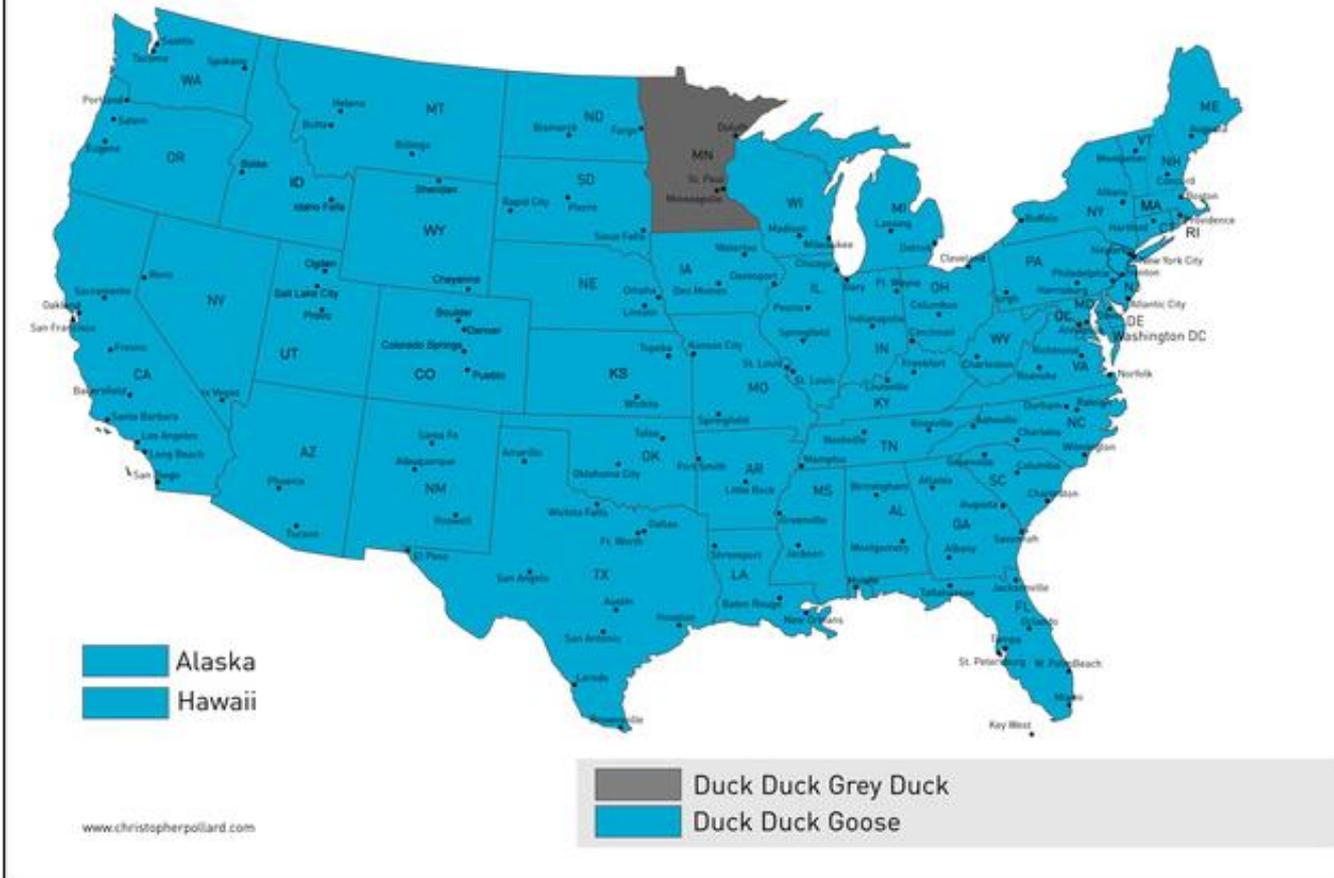




We love graphs and maps

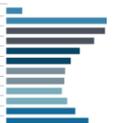


Duck Duck Grey Duck vs. Duck Duck Goose - State By State - 2013



christopherpollard.com

Source: <http://www.buzzfeed.com/katieheaney/youve-been-playing-duck-duck-goose-wrong-your-whole-life>



+ 3 { Aging & Implications
Population Shifts
Who lives here?

Major trends for Minnesota
plus questions & insights from you



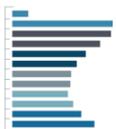
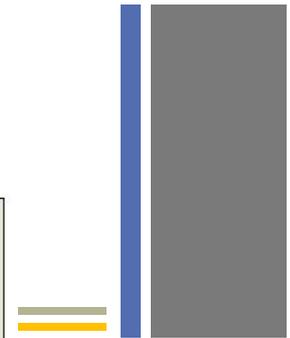
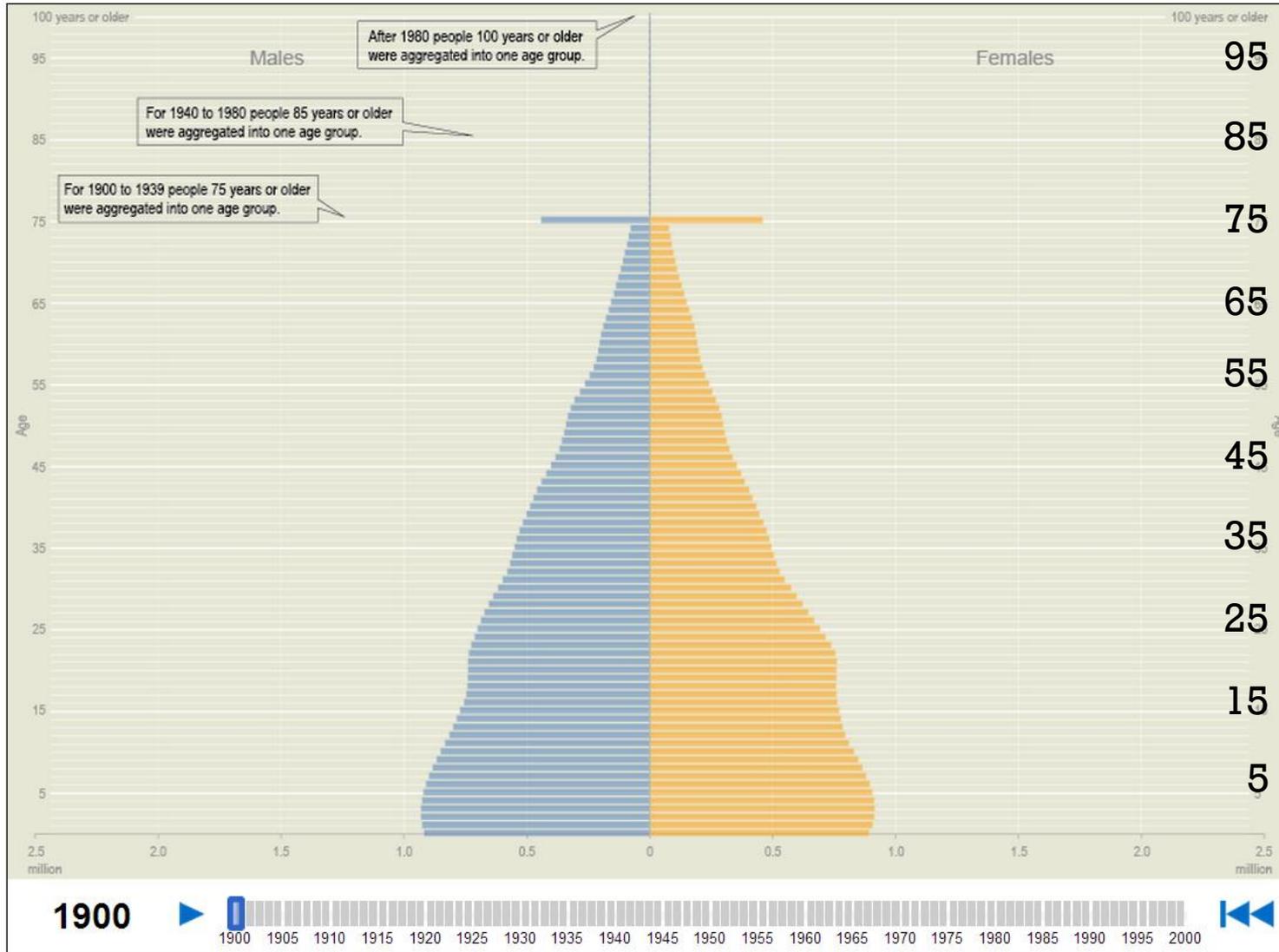


Aging

And implications
for housing and beyond

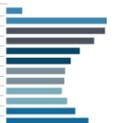
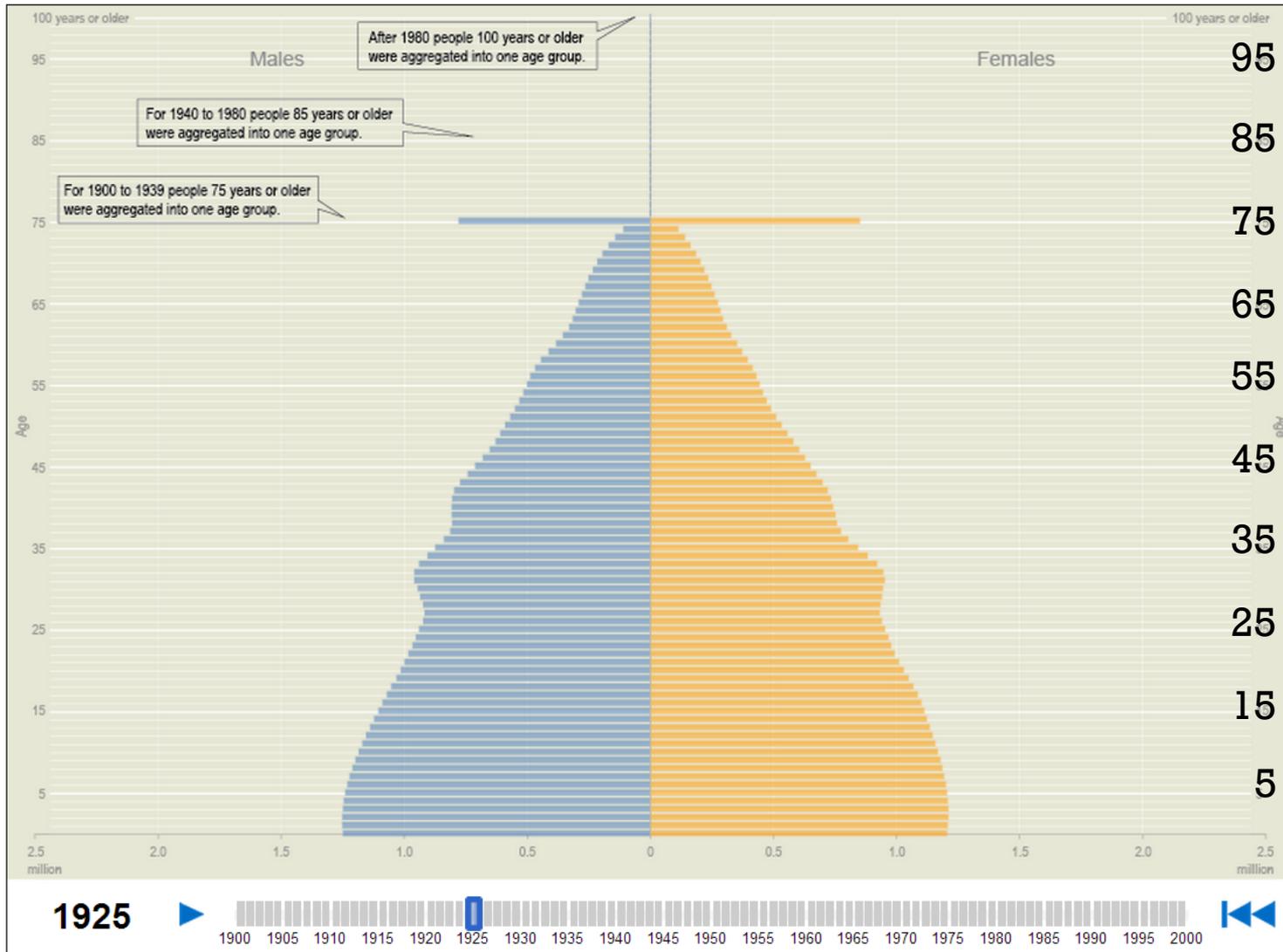


The nation in 1900



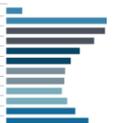
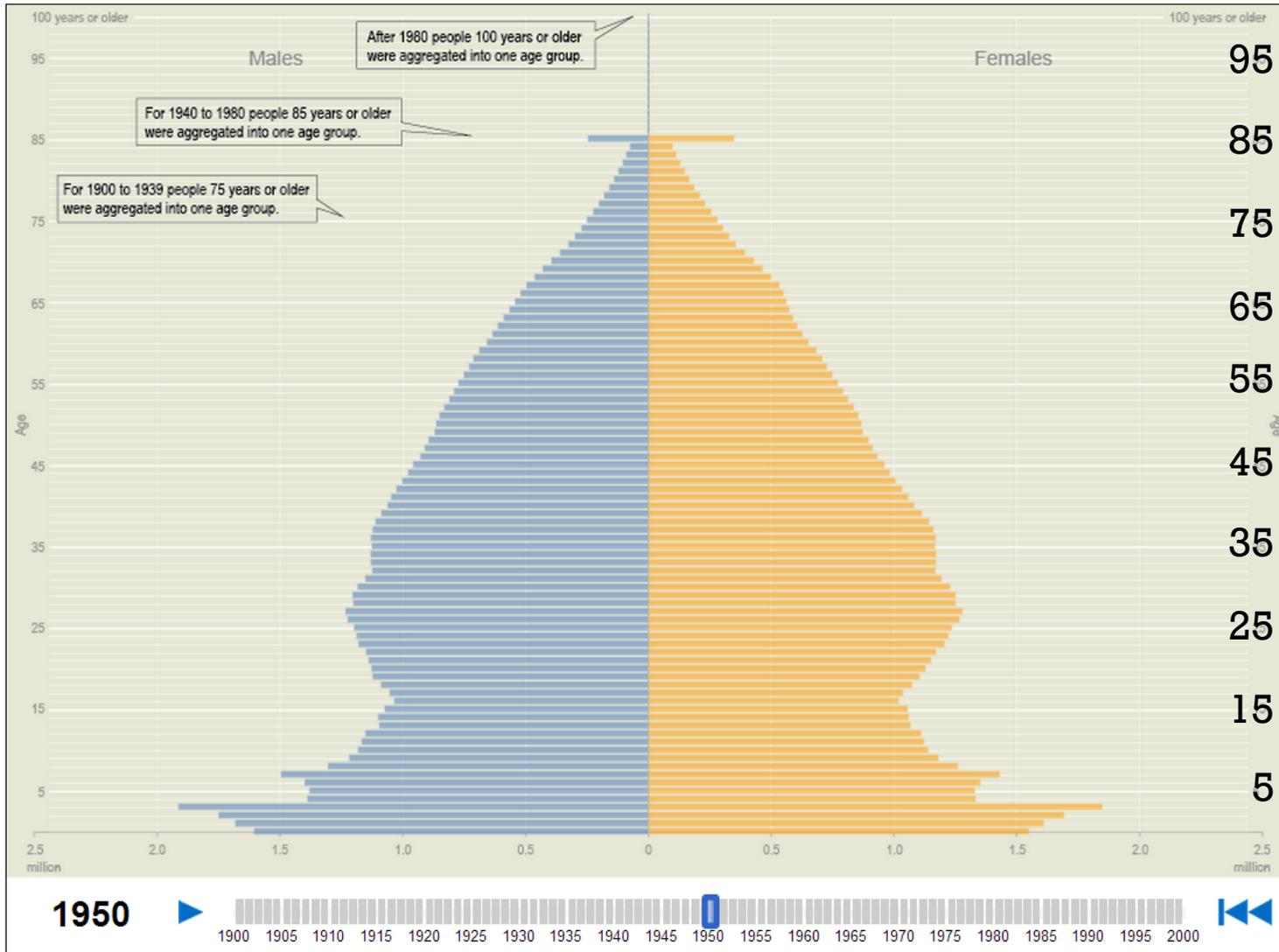


The nation in 1925



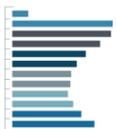
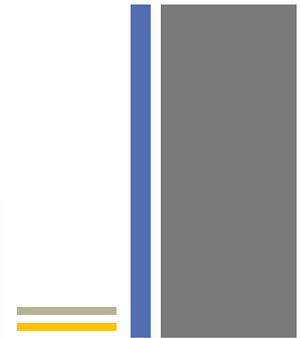
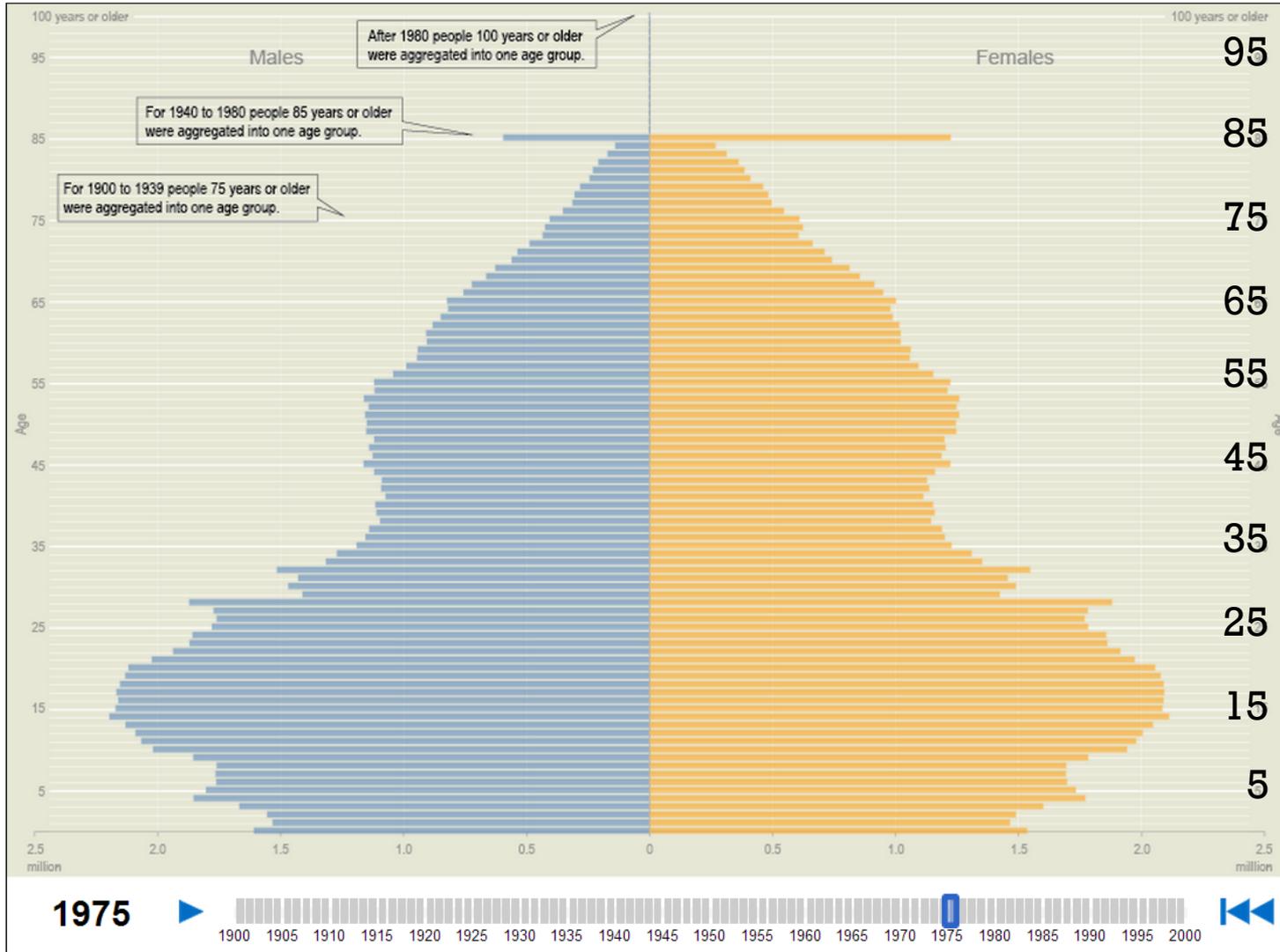


The nation in 1950



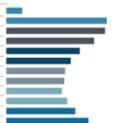
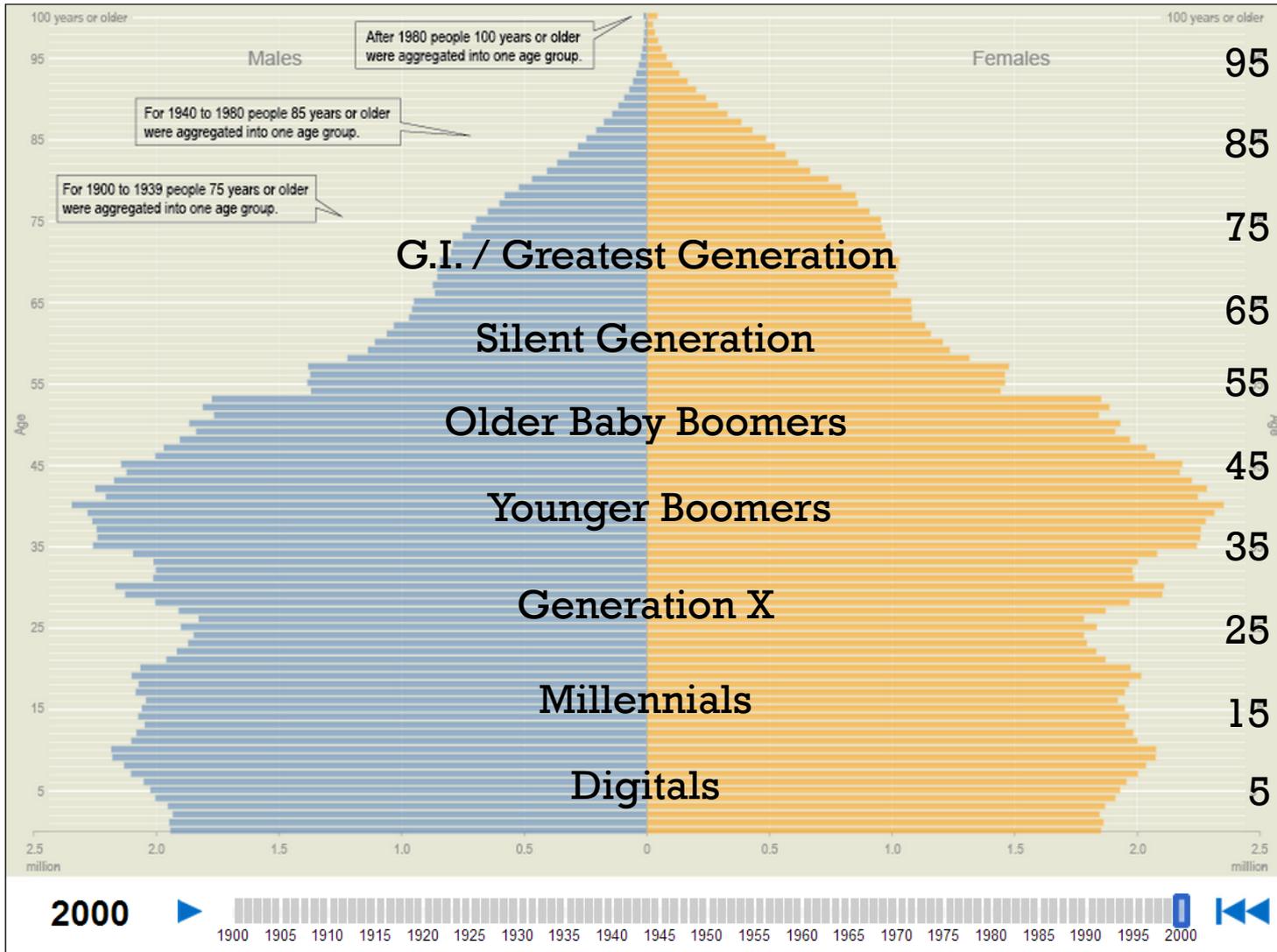


The nation in 1975



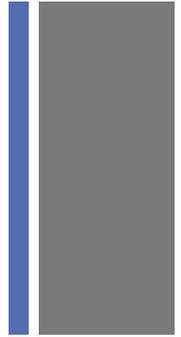


The nation in 2000

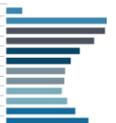
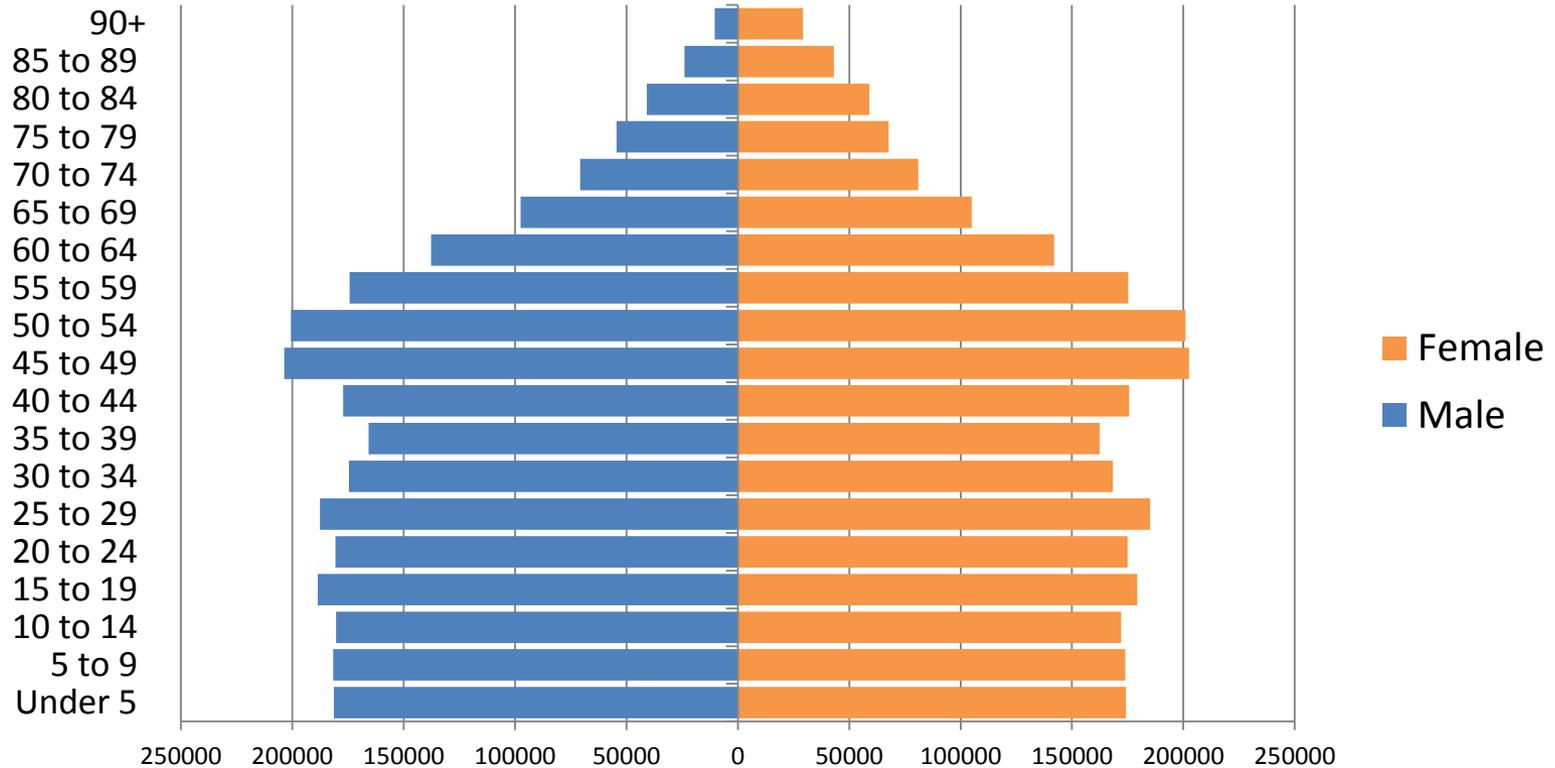




Minnesota total population, 2010 decennial census

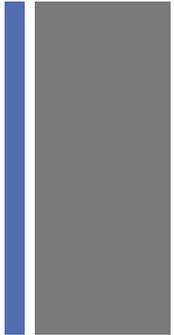


Population by age and sex
Minnesota, 2010

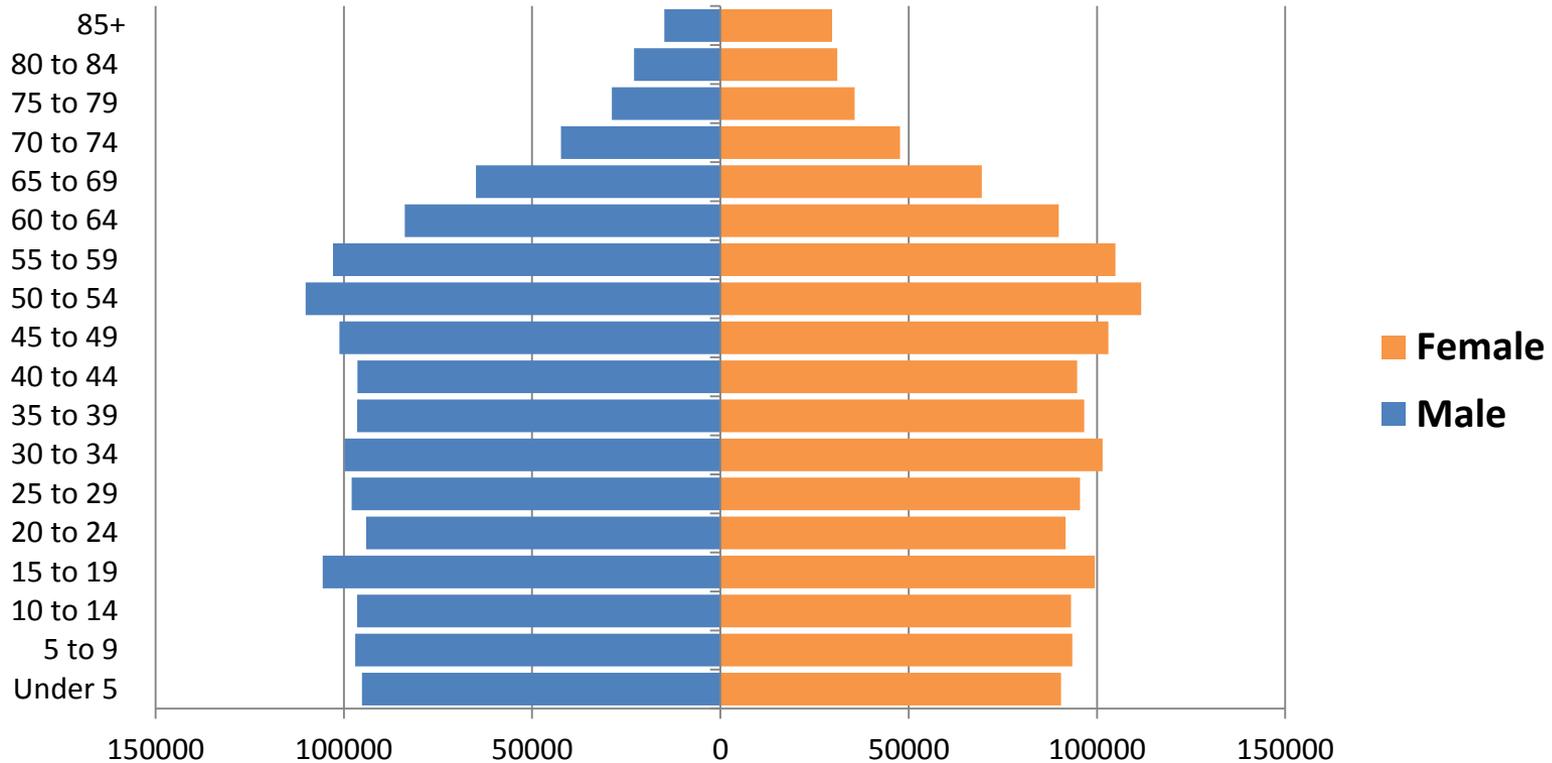




What the Twin Cities 7-county metro will look like... next year



Population by age and sex
7-county Twin Cities metro, 2015

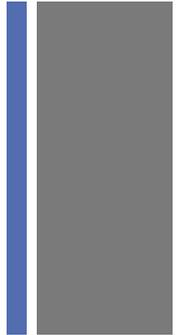


Source: Minnesota State Demographic Center

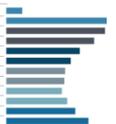
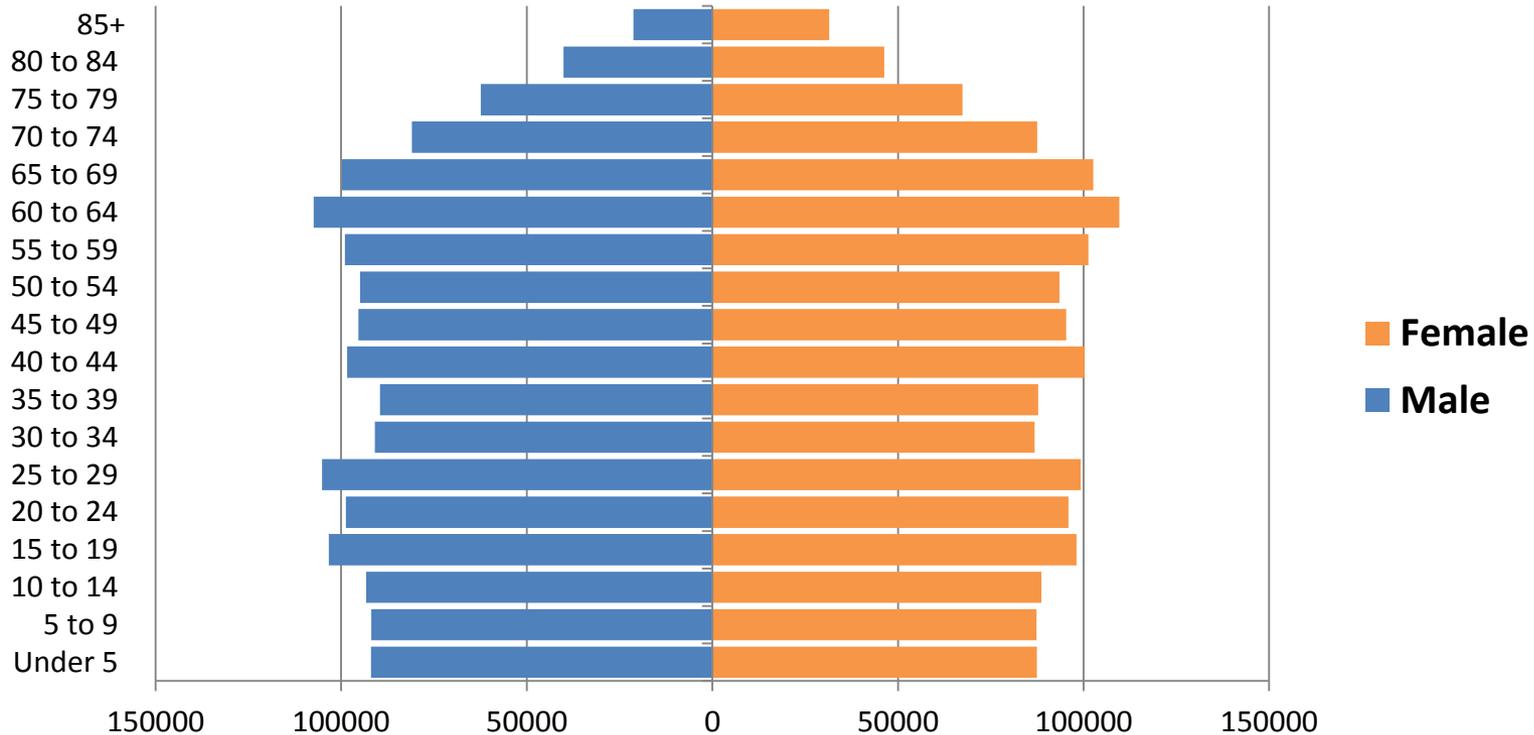




What the Twin Cities 7-county metro will look like... in 11 years

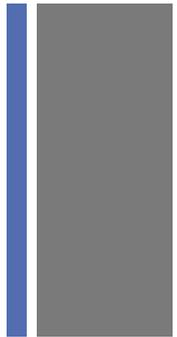


Population by age and sex
7-county Twin Cities metro, 2025

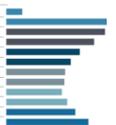
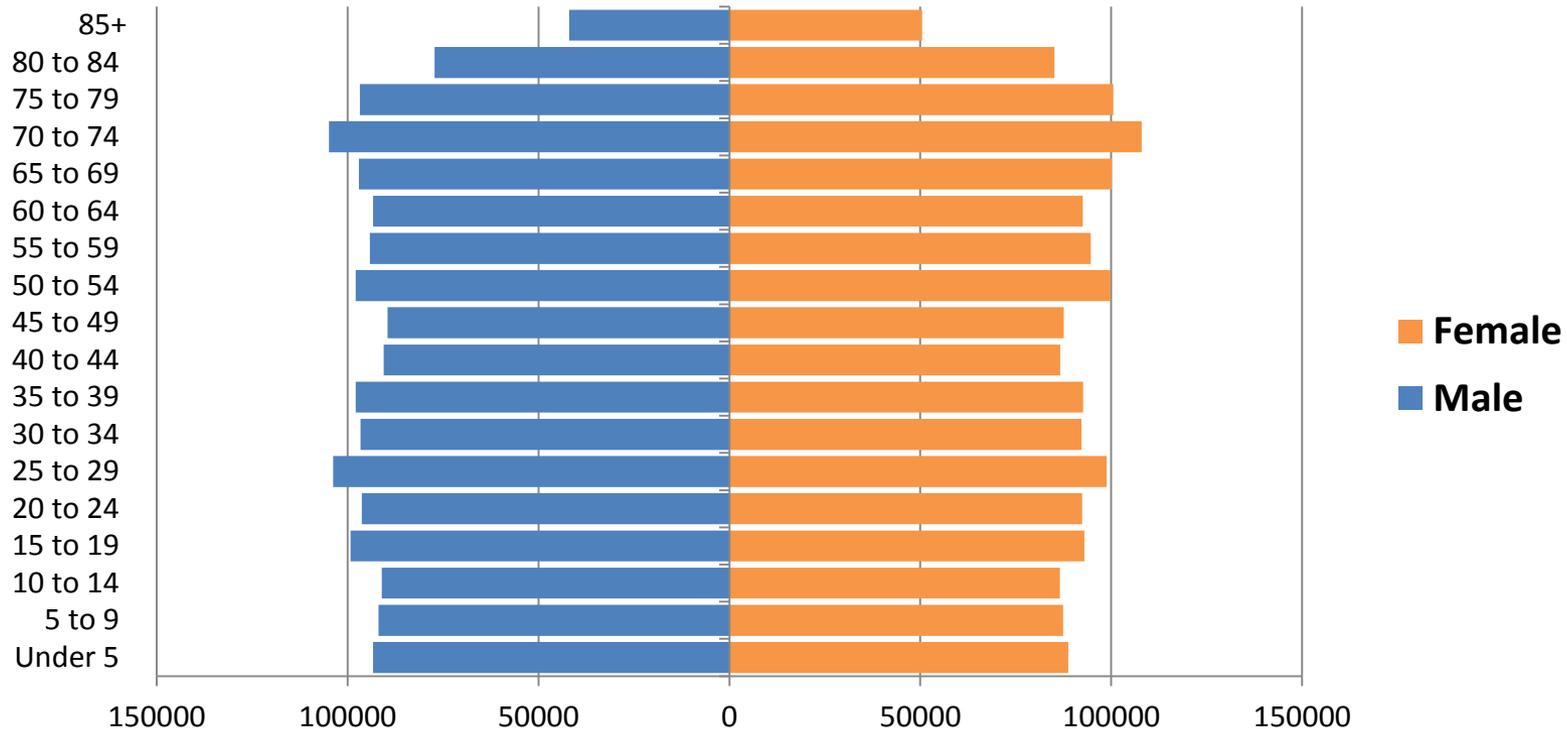




What the Twin Cities 7-county metro will look like... in 21 years

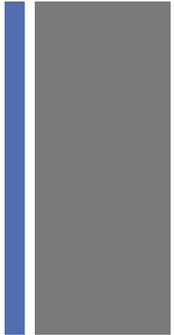


Population by age and sex
7-county Twin Cities metro, 2035

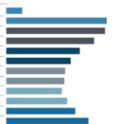
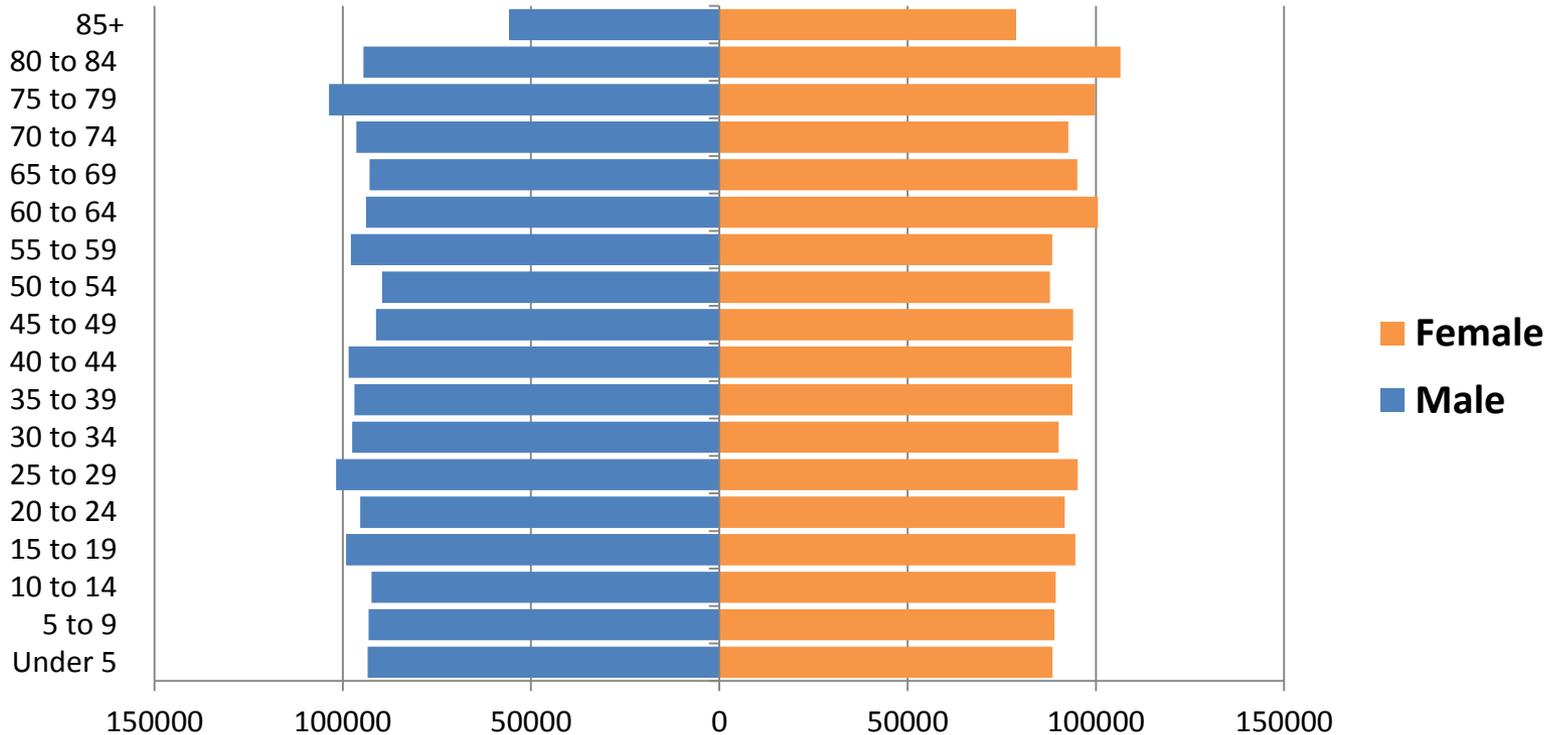




What the Twin Cities 7-county metro will look like... in 31 years

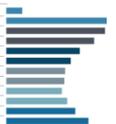
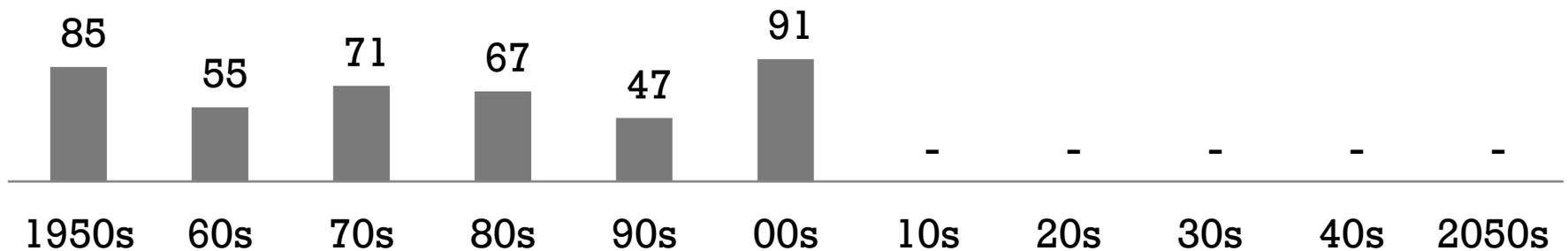


Population by age and sex
7-county Twin Cities metro, 2045



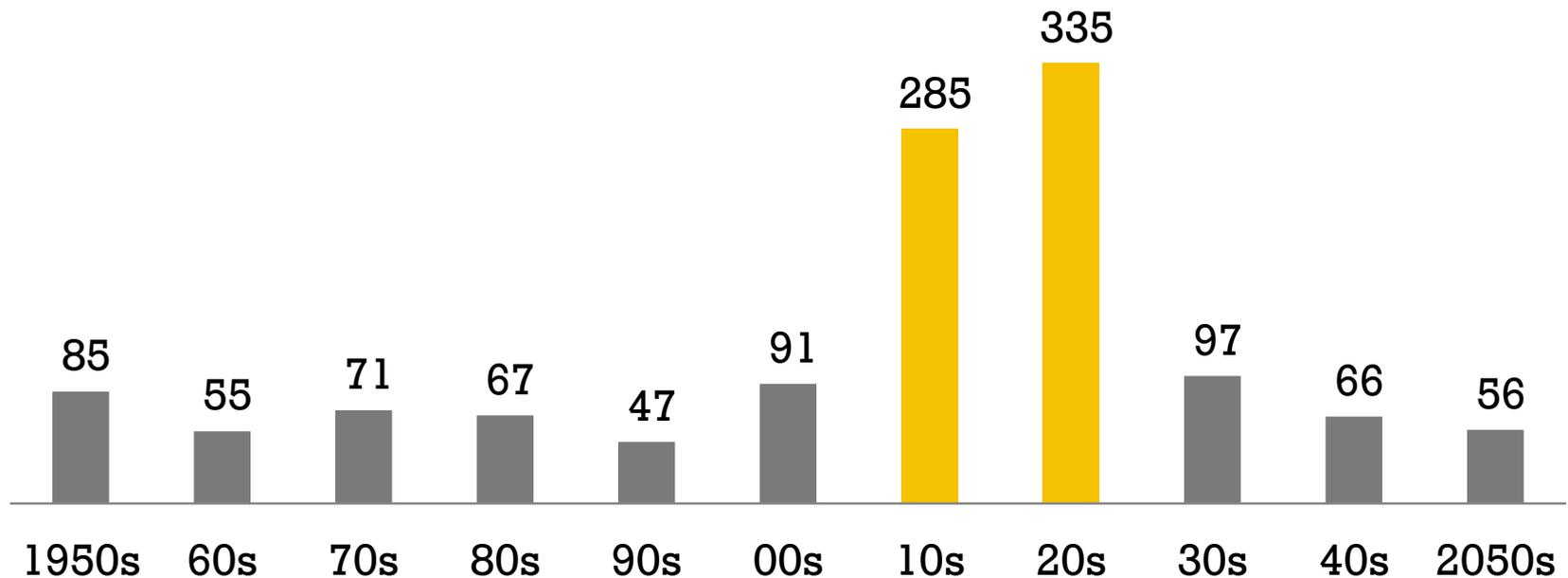
+ How many additional “older adults” will we gain during this decade?

Change in older adults, age 65+ (Thousands)



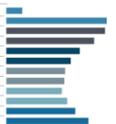
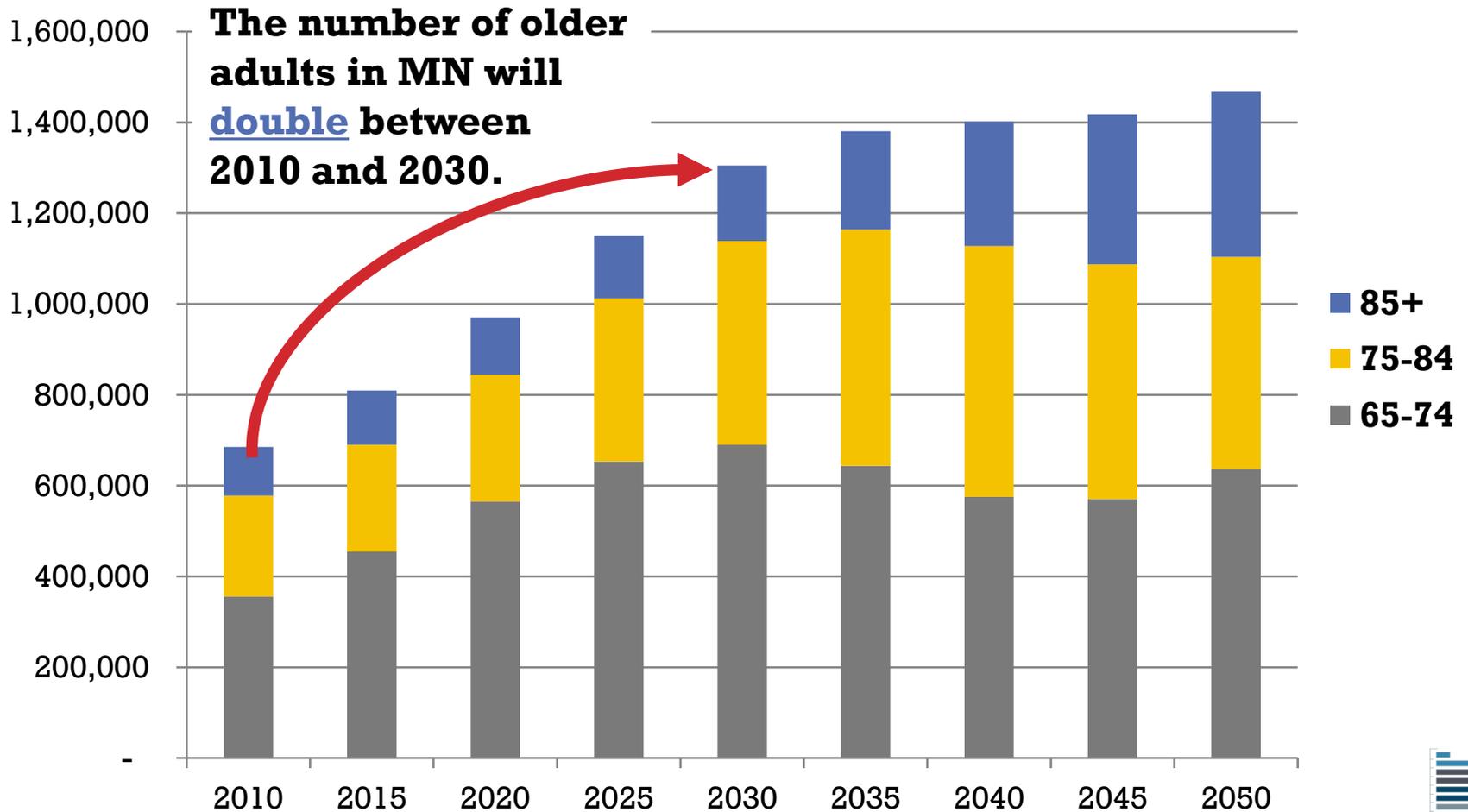
+ This decade and next: *Unprecedented* increases in MN's 65+ population

Change in older adults, age 65+ (in thousands)



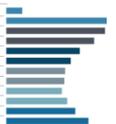
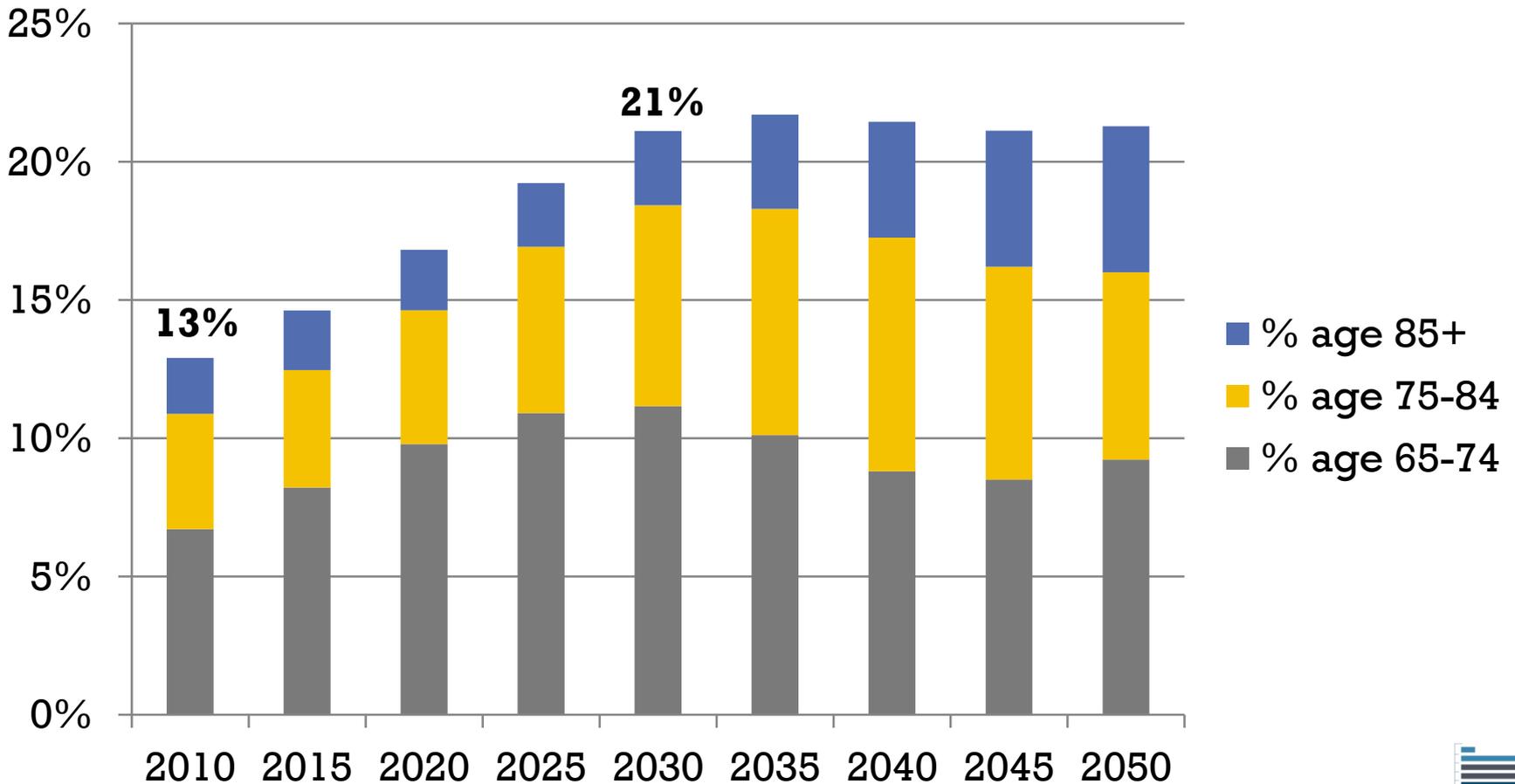


Older adults in Minnesota by age cohort, 2010-2050





By 2030, more than 1 in 5 Minnesotans will be 65+, including all Baby Boomers

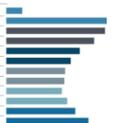


+ Aging is (unfortunately) gender lopsided

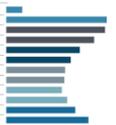
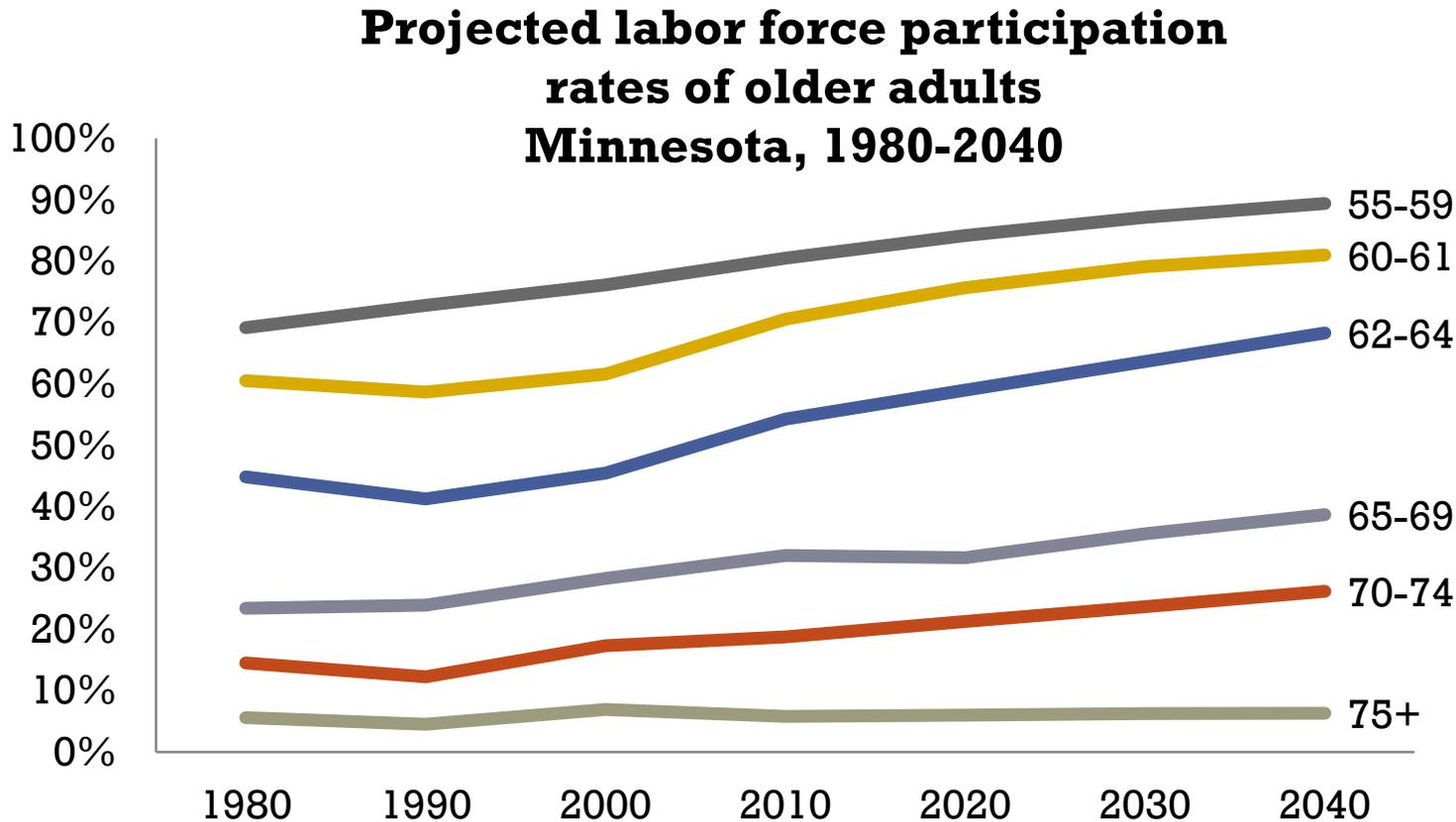


■ Among Minnesotans in their:

- early 60s, there are 97 men for every 100 women
- late 60s, there are 93 men for every 100 women
- early 70s, there are 87 men for every 100 women
- late 70s, there are 81 men for every 100 women
- early 80s, there are 69 men for every 100 women
- late 80s, there are 56 men for every 100 women
- 90s plus, there are 35 men for every 100 women



+ Higher labor force participation among older adults won't be enough to meet our labor needs





Population Shifts

Growth, decline, births, deaths & migration

+ QUIZ QUESTION

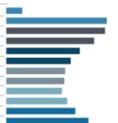
During the 2000s decade, how many of Minnesota's 87 counties gained population?

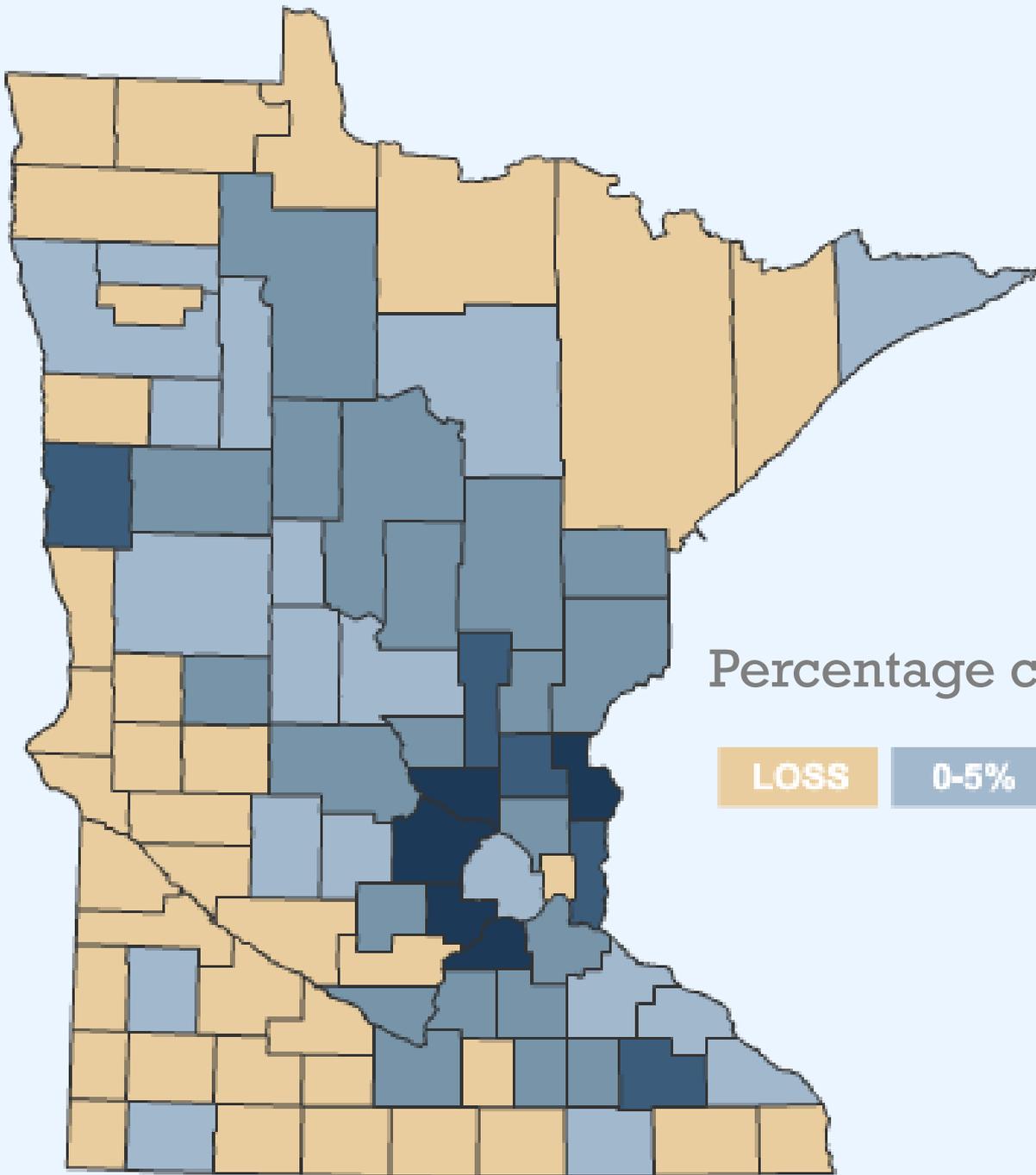
A. 20

B. 30

C. 40

D. 50

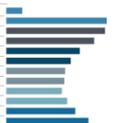




Percentage change 2000-2010

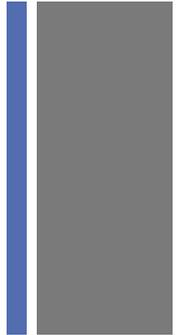


Source: U.S. Census Bureau, decennial census.



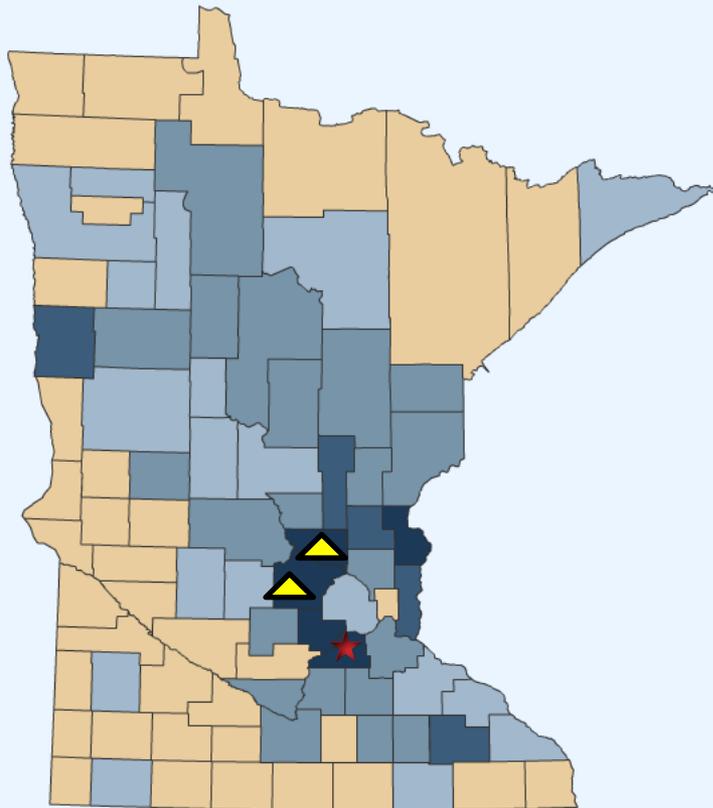


Population shifts during last decade (2000s)



POPULATION CHANGE BY COUNTY: 2000-2010

LOSS 0-5% 5-15% 15-25% 25% +



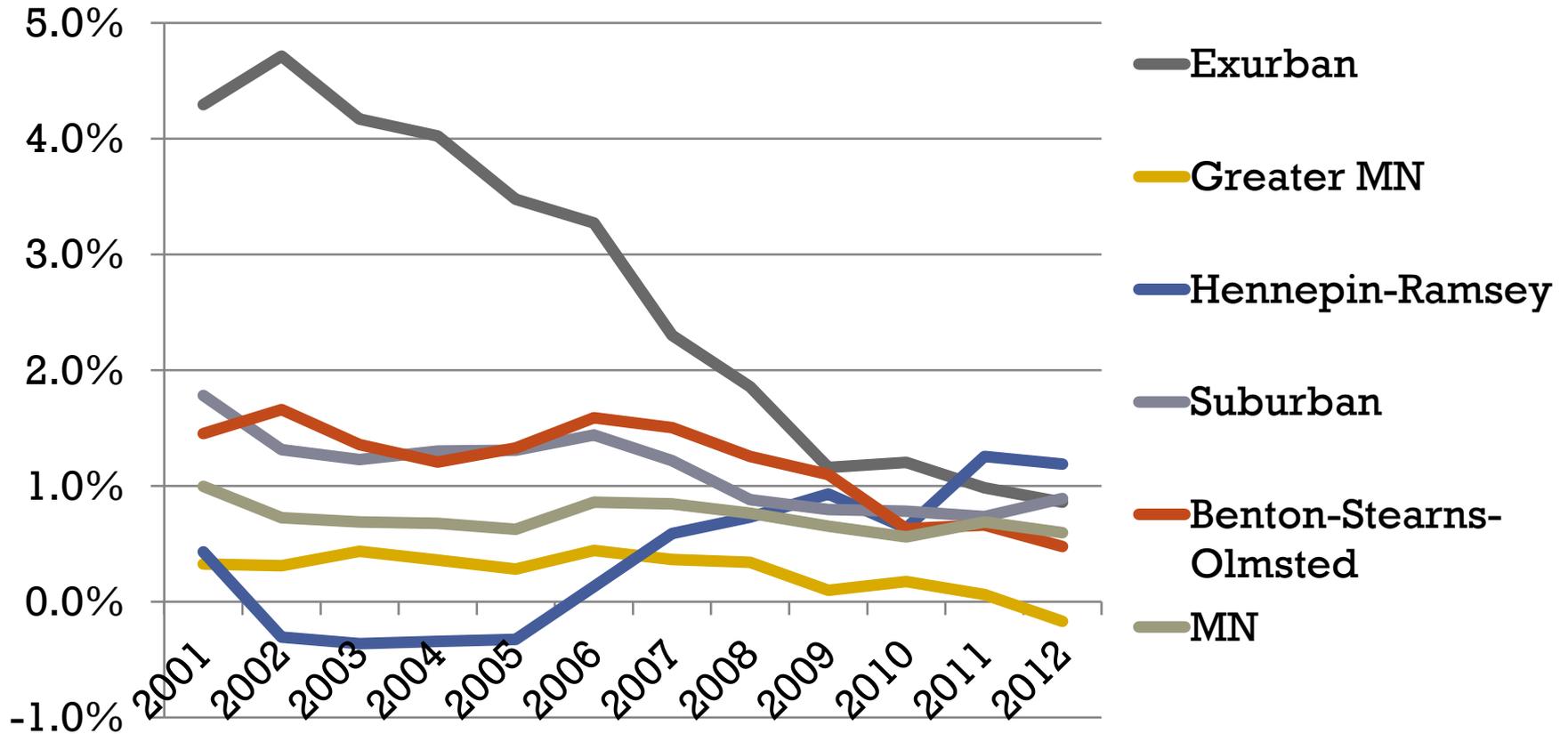
■ Greatest growth in was in counties that ring the TC metro, as well as growth in a diagonal pattern across the state

- Scott=45% growth! ★
- Sherburne (37%) and Wright (39%) ▲

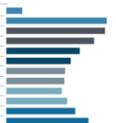




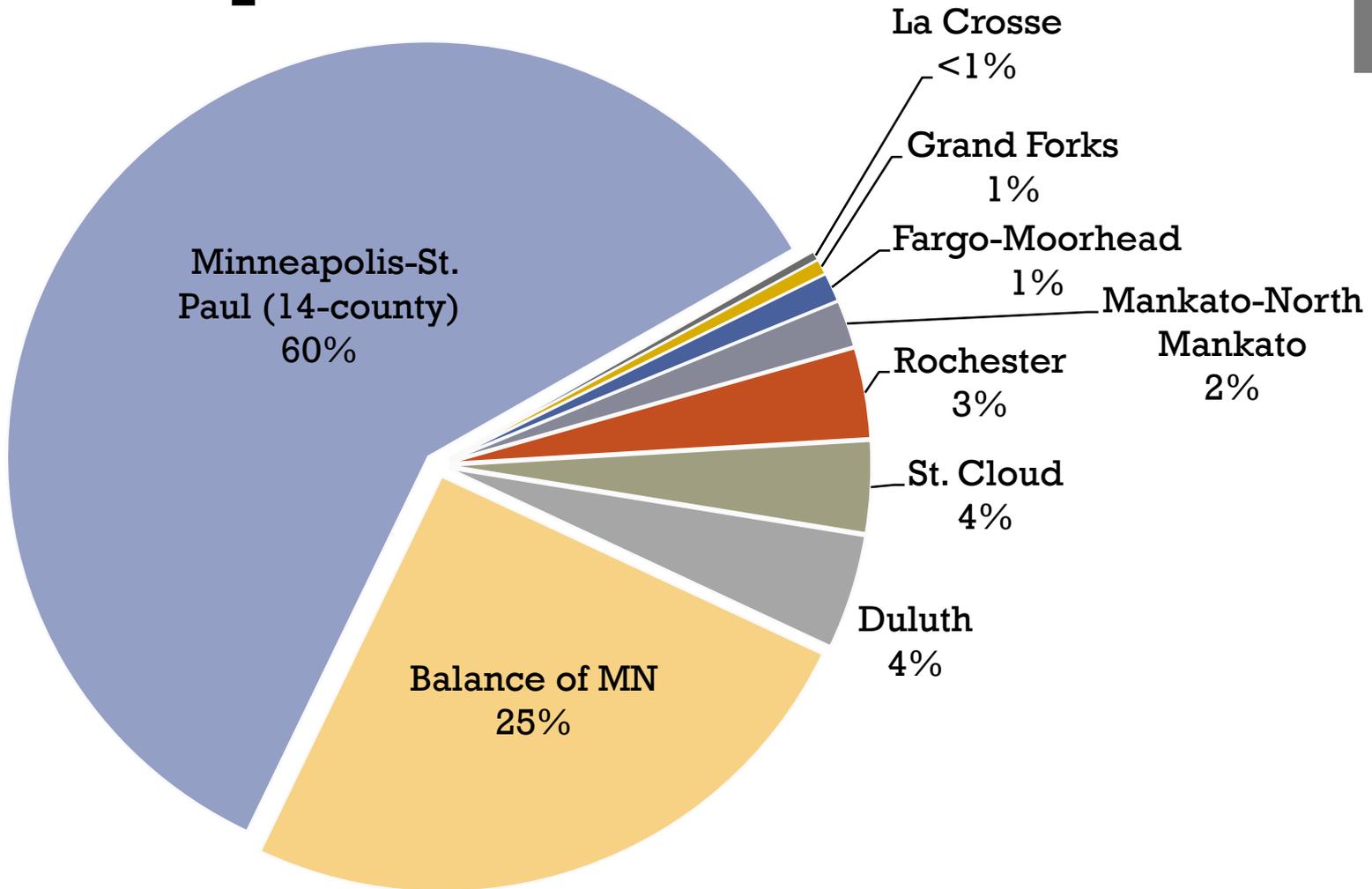
Population growth rates have converged over the last decade



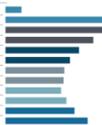
Source: U.S. Census Bureau



+ Three quarters of the state lives in a metropolitan area, 2008-2012

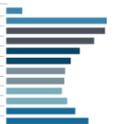
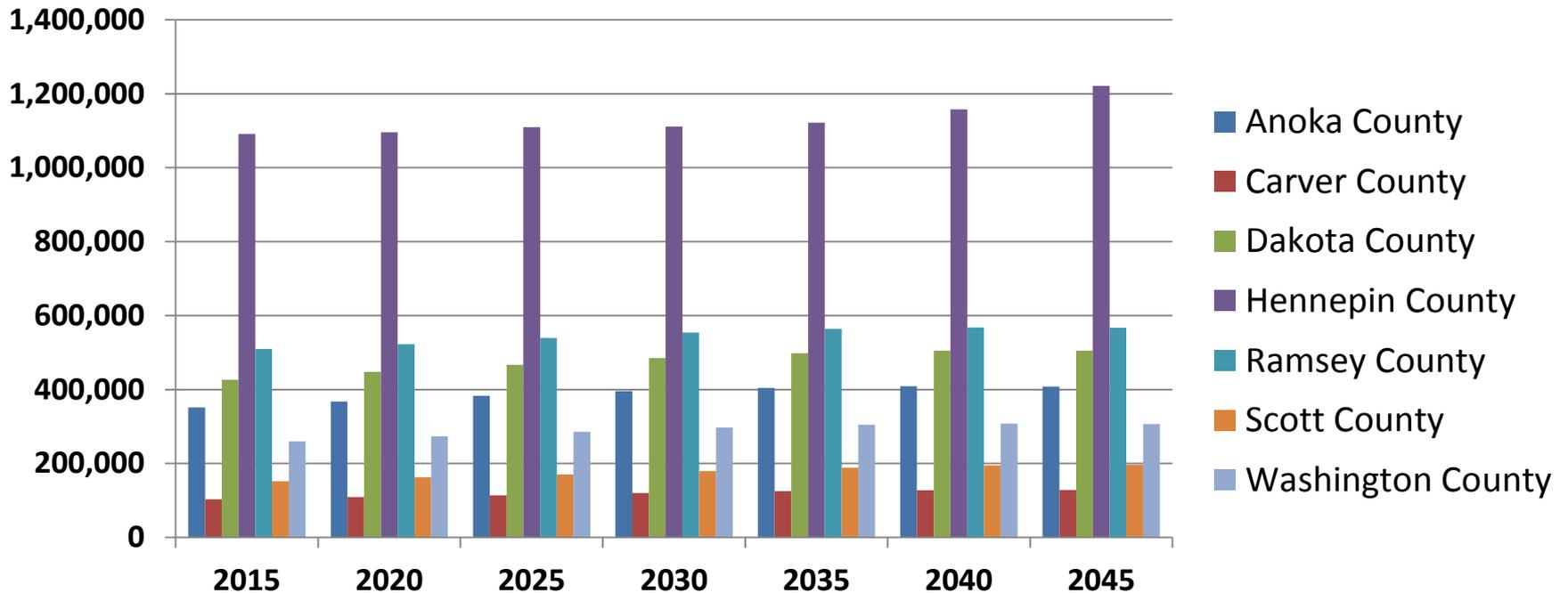
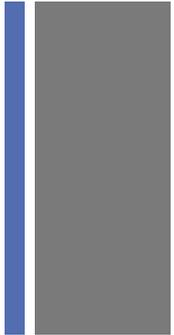


Source: U.S. Census Bureau. 2013 MSA definitions



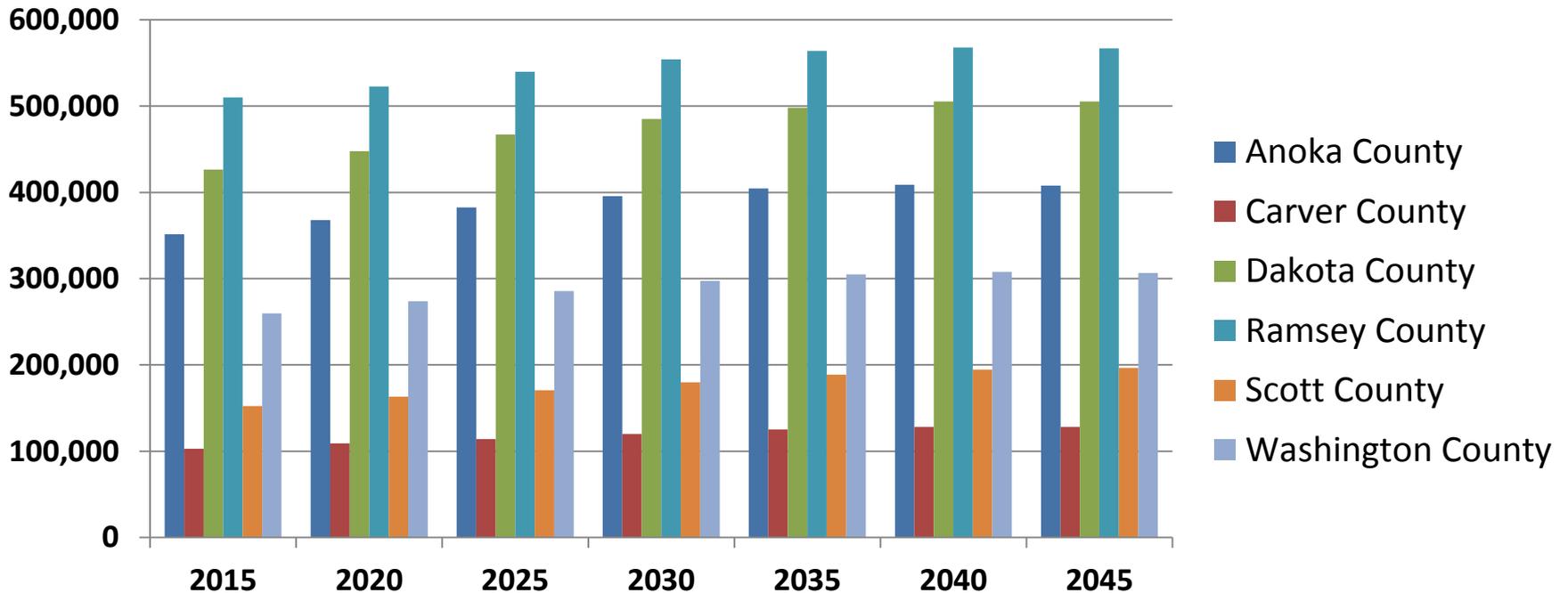
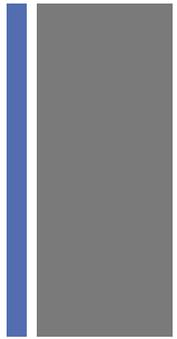


All metro counties projected to continue growing through 2045



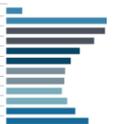


All metro counties projected to continue growing through 2045



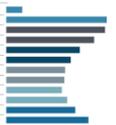
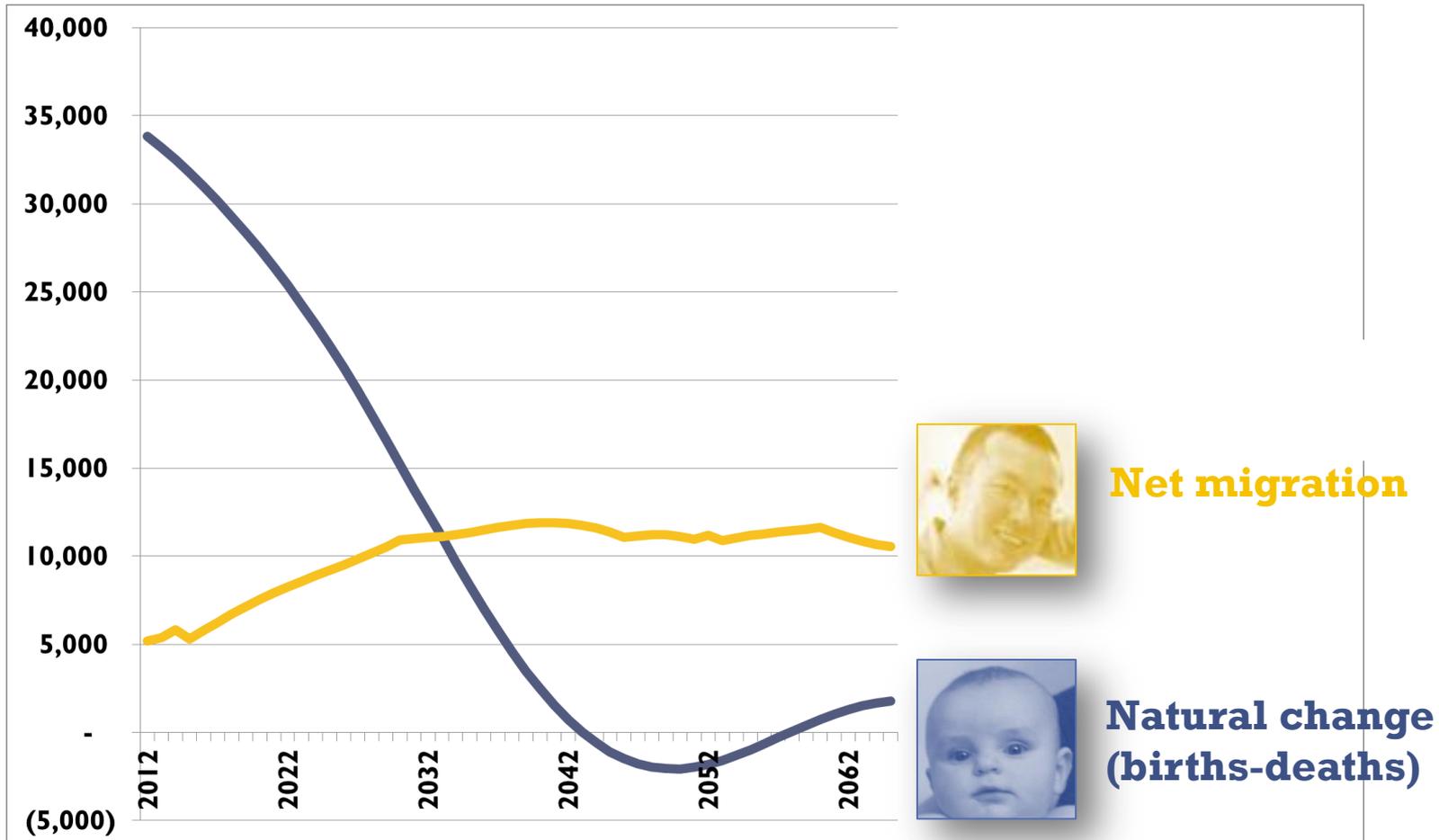
Dakota County closes in on Ramsey County population in coming decades (Note: Hennepin removed from graph)

Source: Minnesota State Demographic Center projections





Net migration will become the primary driver of MN growth





QUIZ QUESTION:



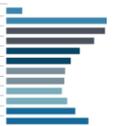
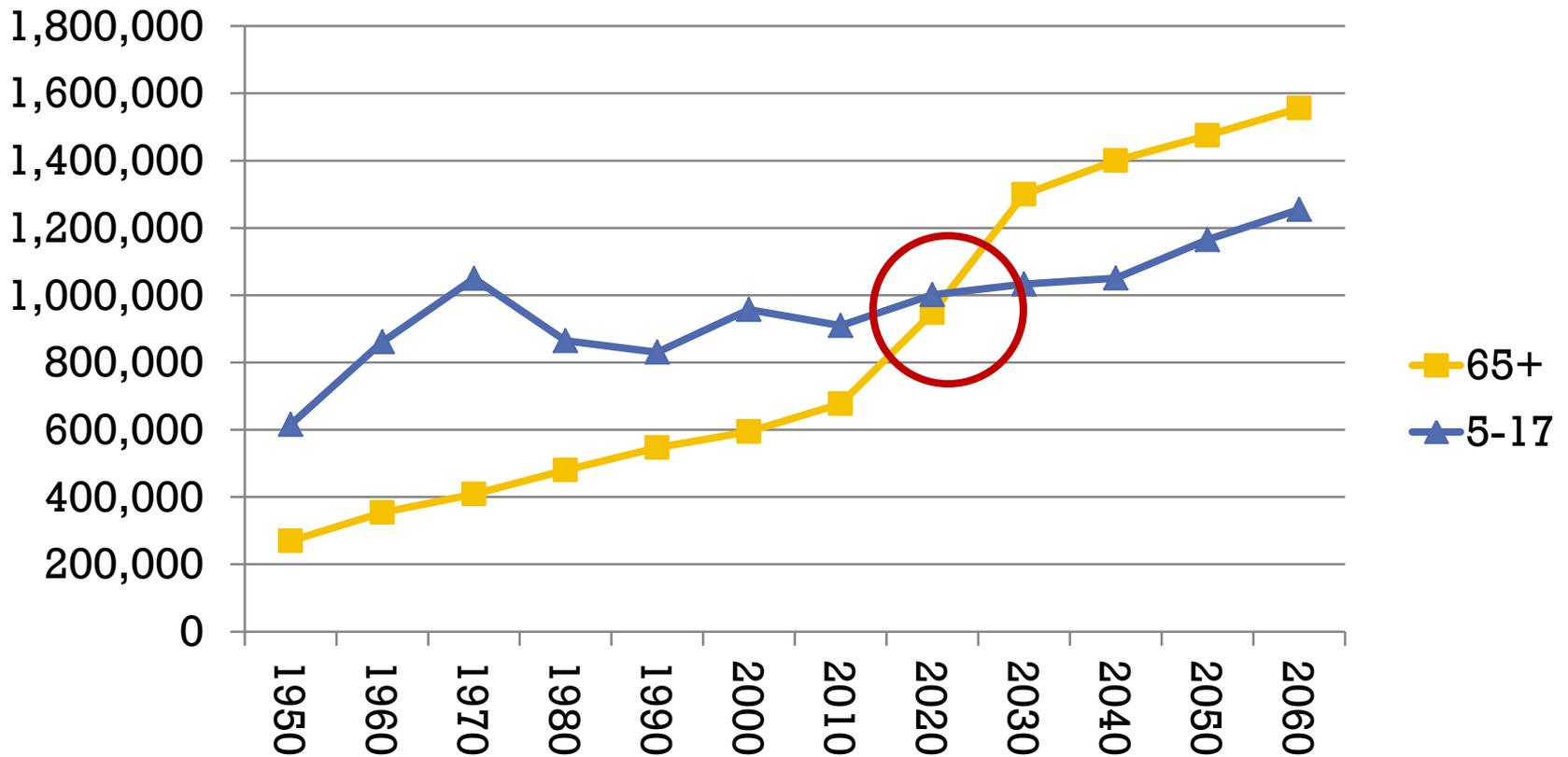
What event is predicted to happen in 2020 that has never before happened in the history of our state?

- A. The Vikings will win the Super Bowl
- B. MN will have more immigrants than U.S.-born residents
- C. MN will have more 65+ residents than school-age children, 5-17





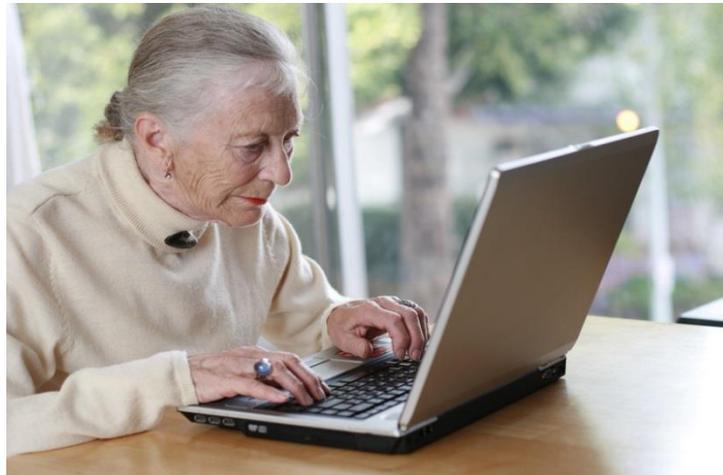
For the first time in MN history: More 65+ than school-age by 2020





Aging: not what it used to be!

- Minnesota's older adults are healthier, living longer, and working longer than prior generations
 - Life expectancy for Minnesotans age 65 now is nearly 20 more years

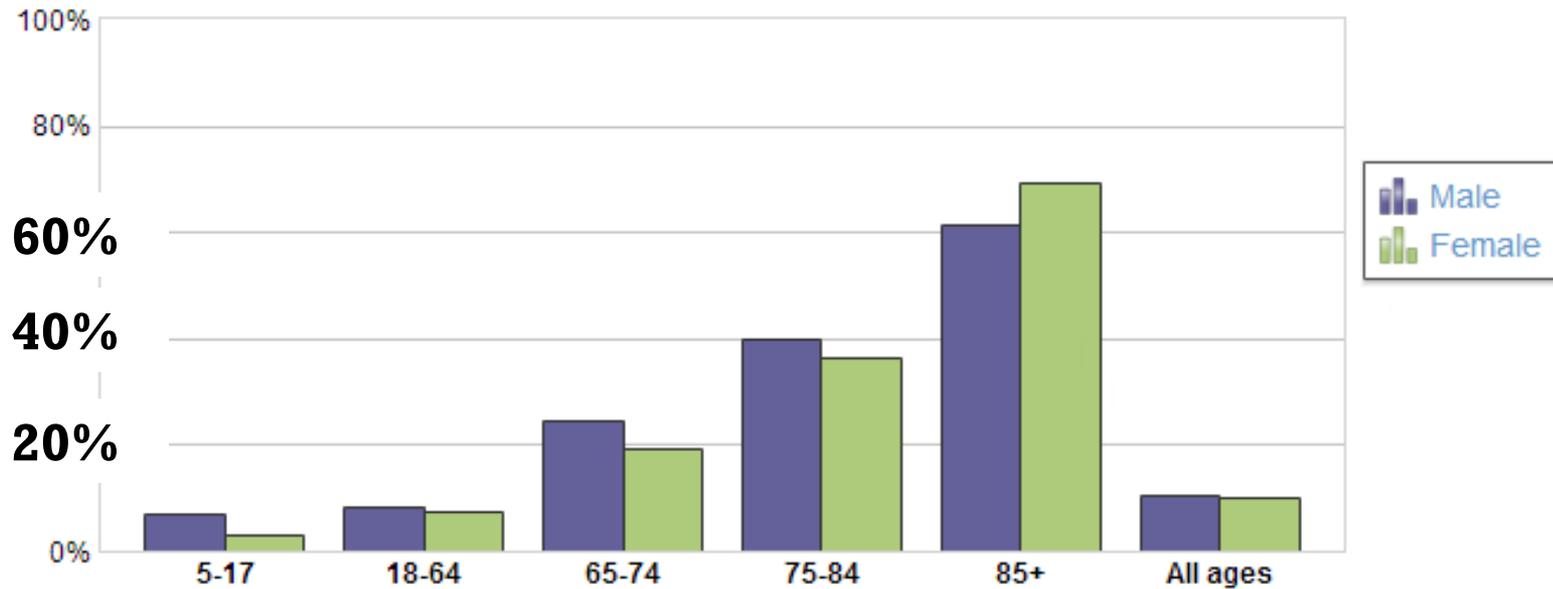




Aging brings rising rates of disability among those living in the community

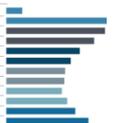


Percent with a disability by gender and age
Minnesota, 2011



Sources: U.S. Census Bureau, American Community Survey, via MNCompass.org.

Note: Relates only to the civilian, non-institutionalized population with a serious difficulty in one or more of four basic areas of functioning: vision, hearing, ambulation, and cognition.

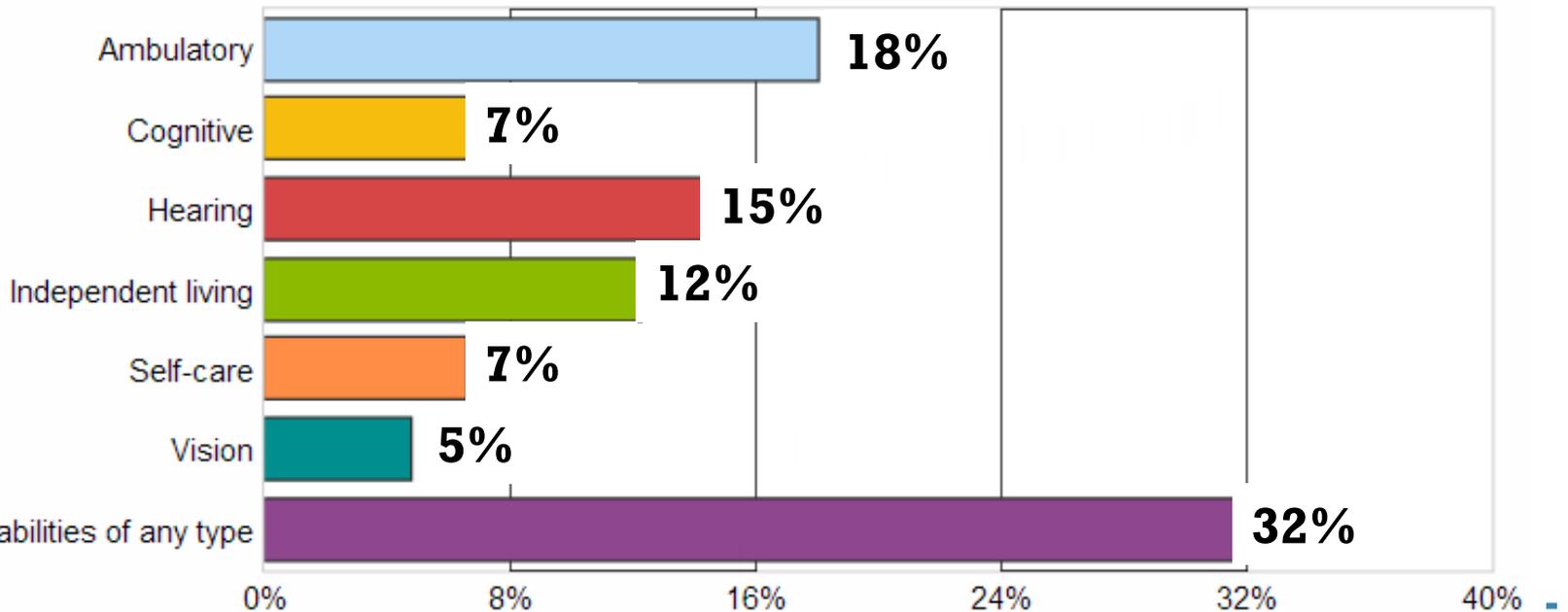




Types of disabilities among older adults *living in the community*



**Individuals with a disability by type,
ages 65 and older**
Minnesota, 2012



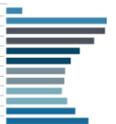
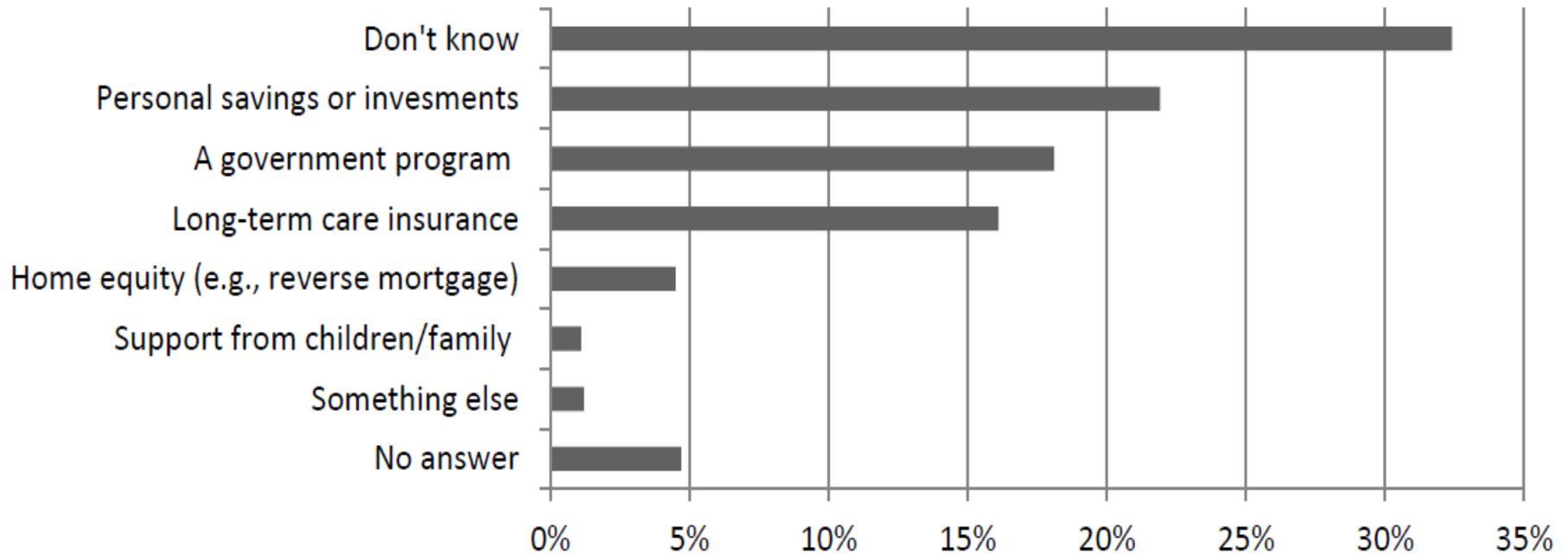
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Note: Relates only to the civilian, non-institutionalized population with a serious difficulty in one or more of four basic areas of functioning: vision, hearing, ambulation, and cognition.



Compiled by
Compass

+ Plans to Cover the Cost of Long Term Care: Baby Boomers in MN, 2010



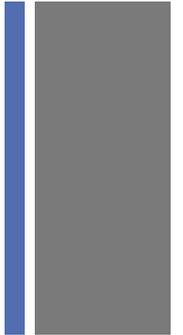
+ Positive implications of an aging state

- Babysitting
- Reduced crime
- Mentoring
- Volunteerism
 - 2nd only to Iowa in percent of those 65+ volunteering

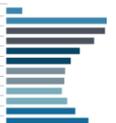




Challenges related to our aging population



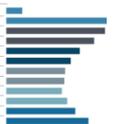
- Will we have or create sufficient **infrastructure** for more transportation, caregiving, health care, and social support needs, as **health challenges and disabilities increase**, especially when children live far away?
- Will we be able to **finance needed services**, especially long-term care?
- Will we have enough workers to form a strong, skilled, highly **productive labor force** as the Boomers retire — for economic growth, tax revenues, and a high quality of life in MN

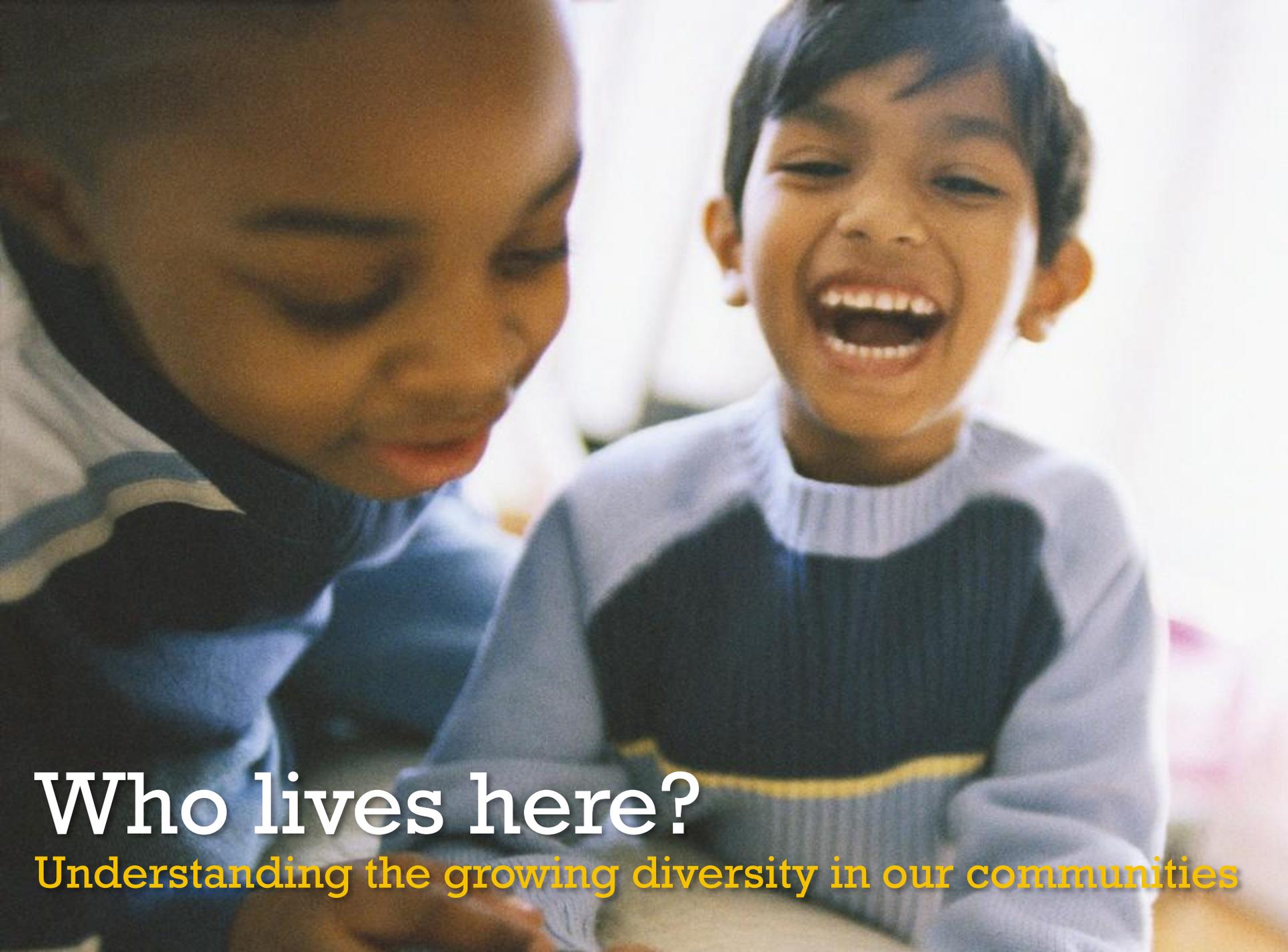




Some thoughts on Millennials

- Median age at marriage and child-bearing rising
 - Delayed “household formation”
- Many saddled with high educational and other debt
- Many struggling to get economic foothold
- All of this affects housing choices





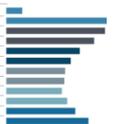
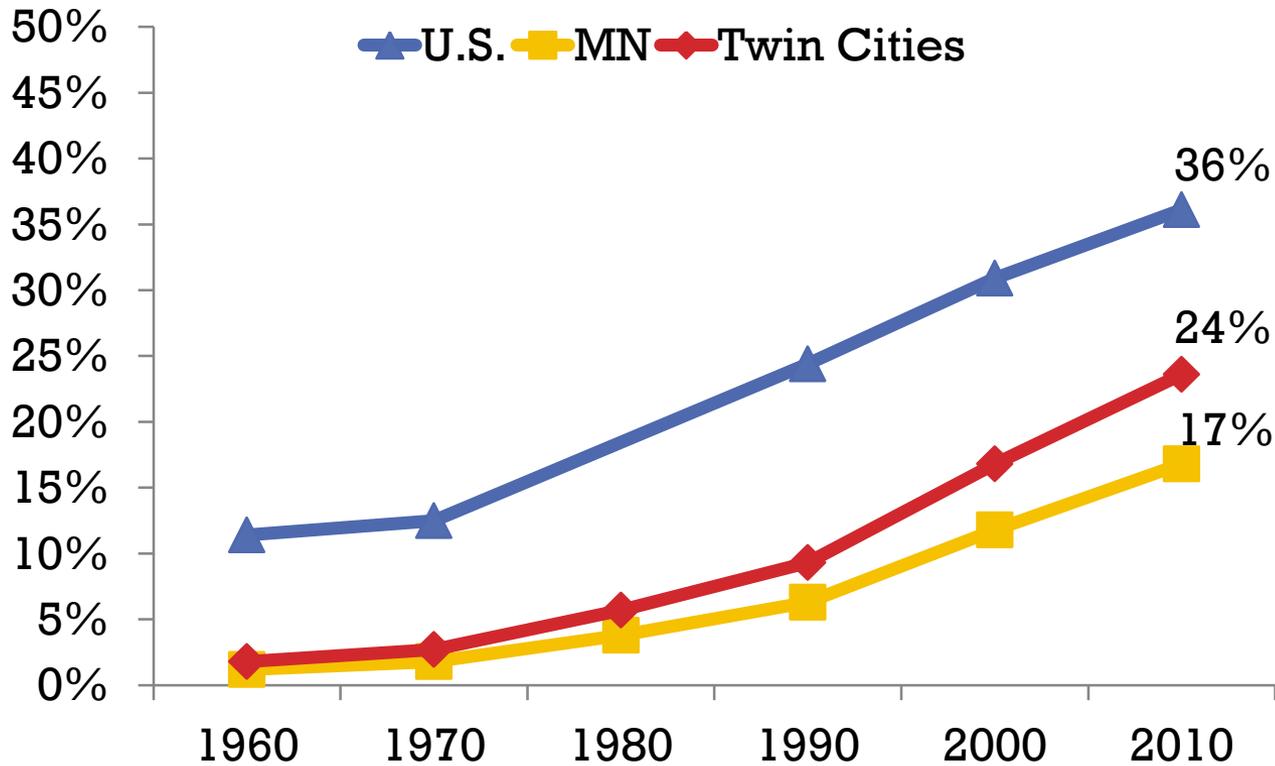
Who lives here?

Understanding the growing diversity in our communities



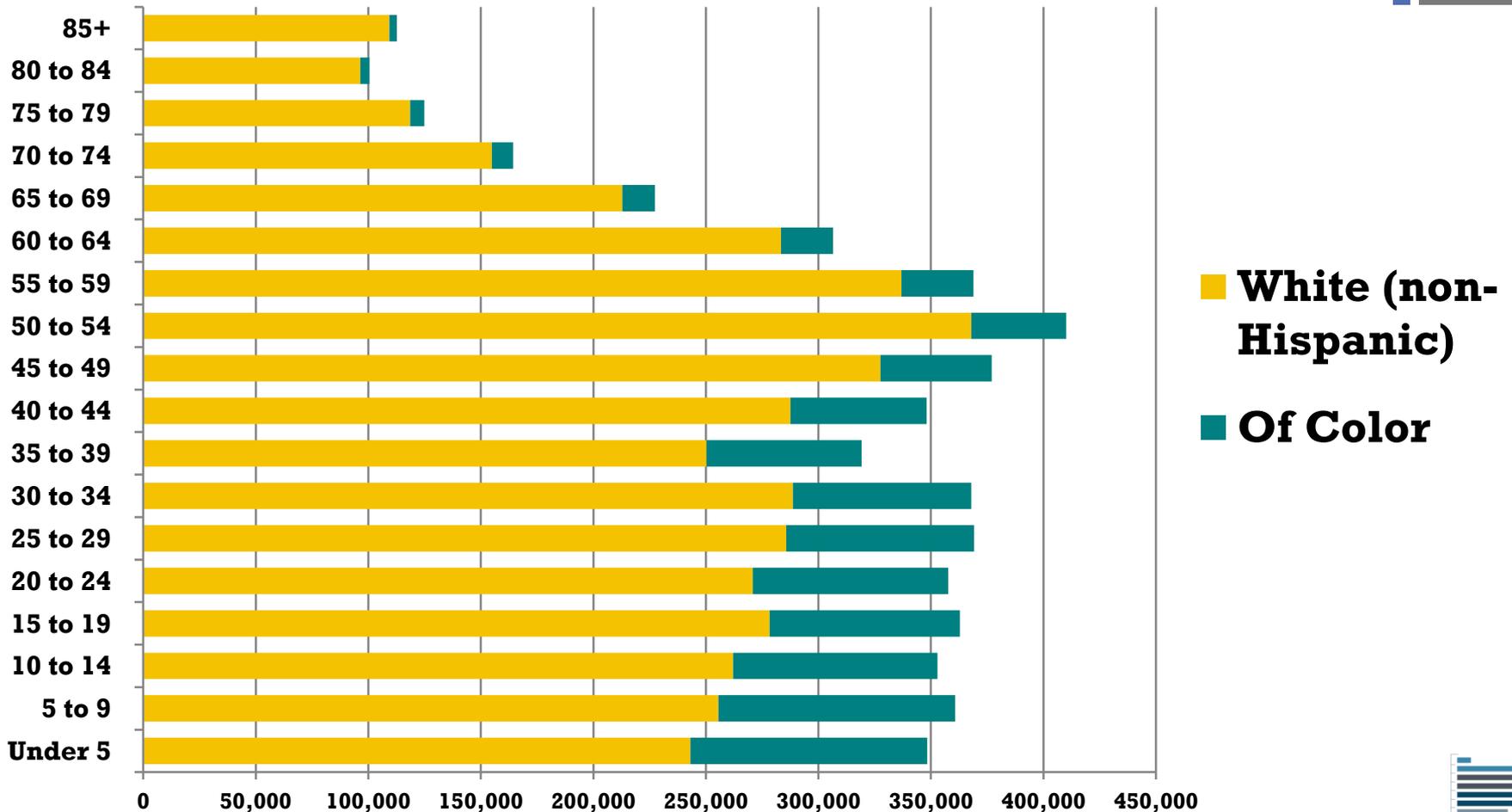
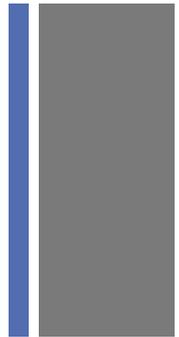
50 years of growing diversity in our metro, state and nation

Percent Of Color, 1960-2010

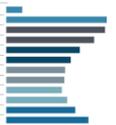




Minnesota's population by age groups, 2012

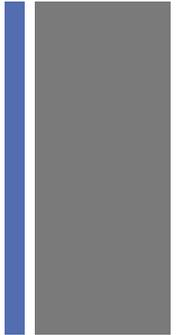


Sources: U.S. Census Bureau, 2012 population estimates



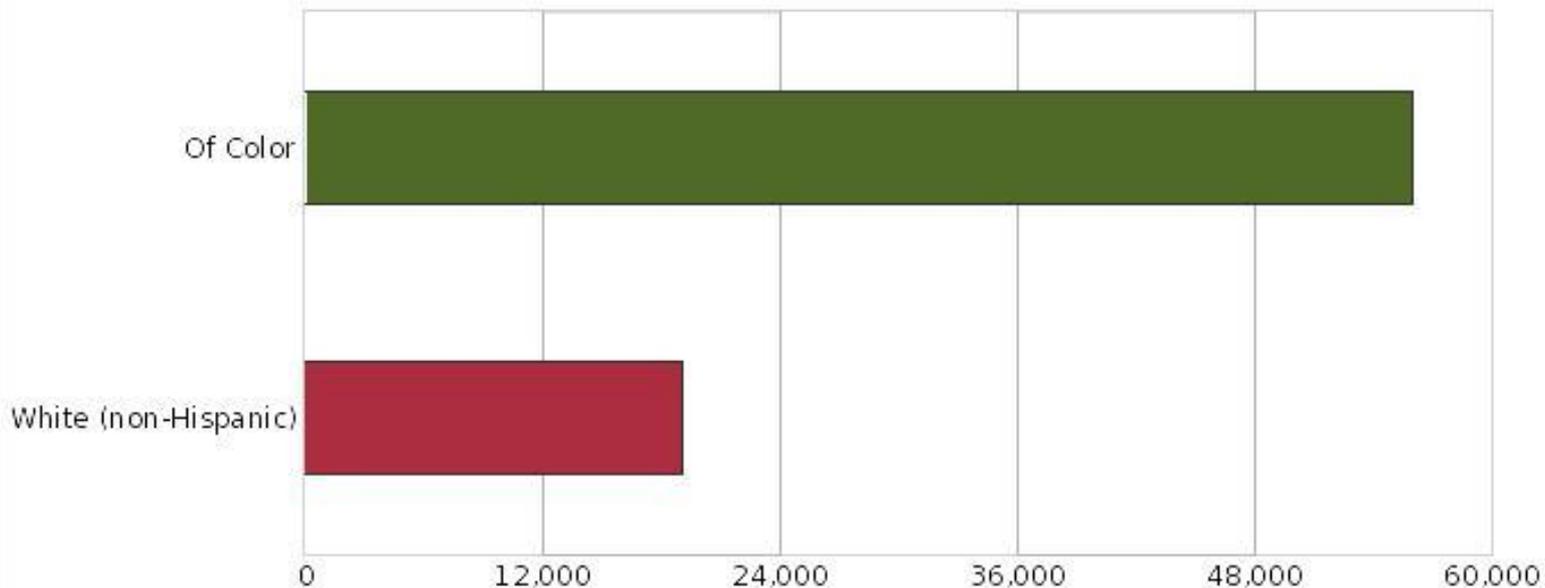


MN's Populations of Color are fastest growing

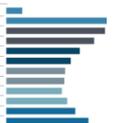


Population change by race

Minnesota, 2010-2012

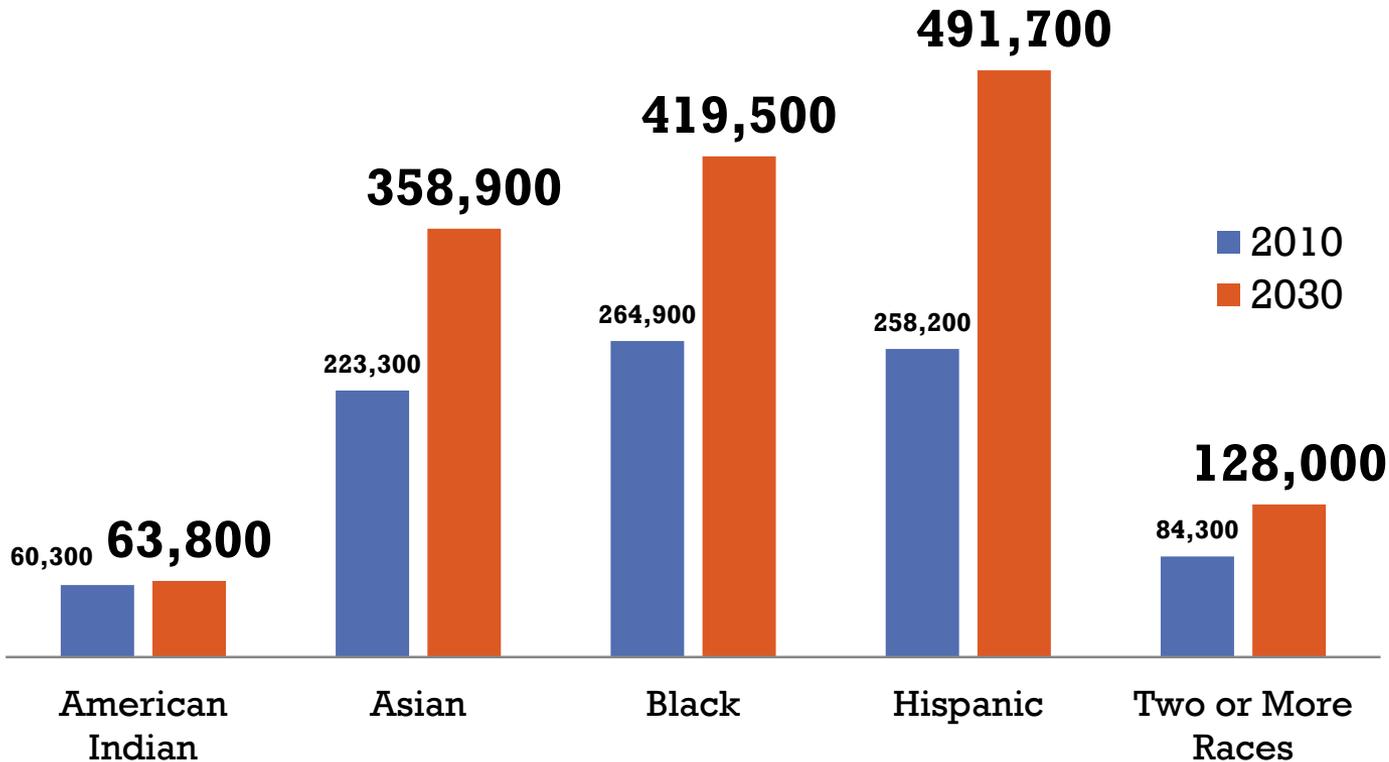


Source: mncompass.org.

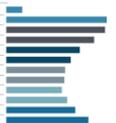




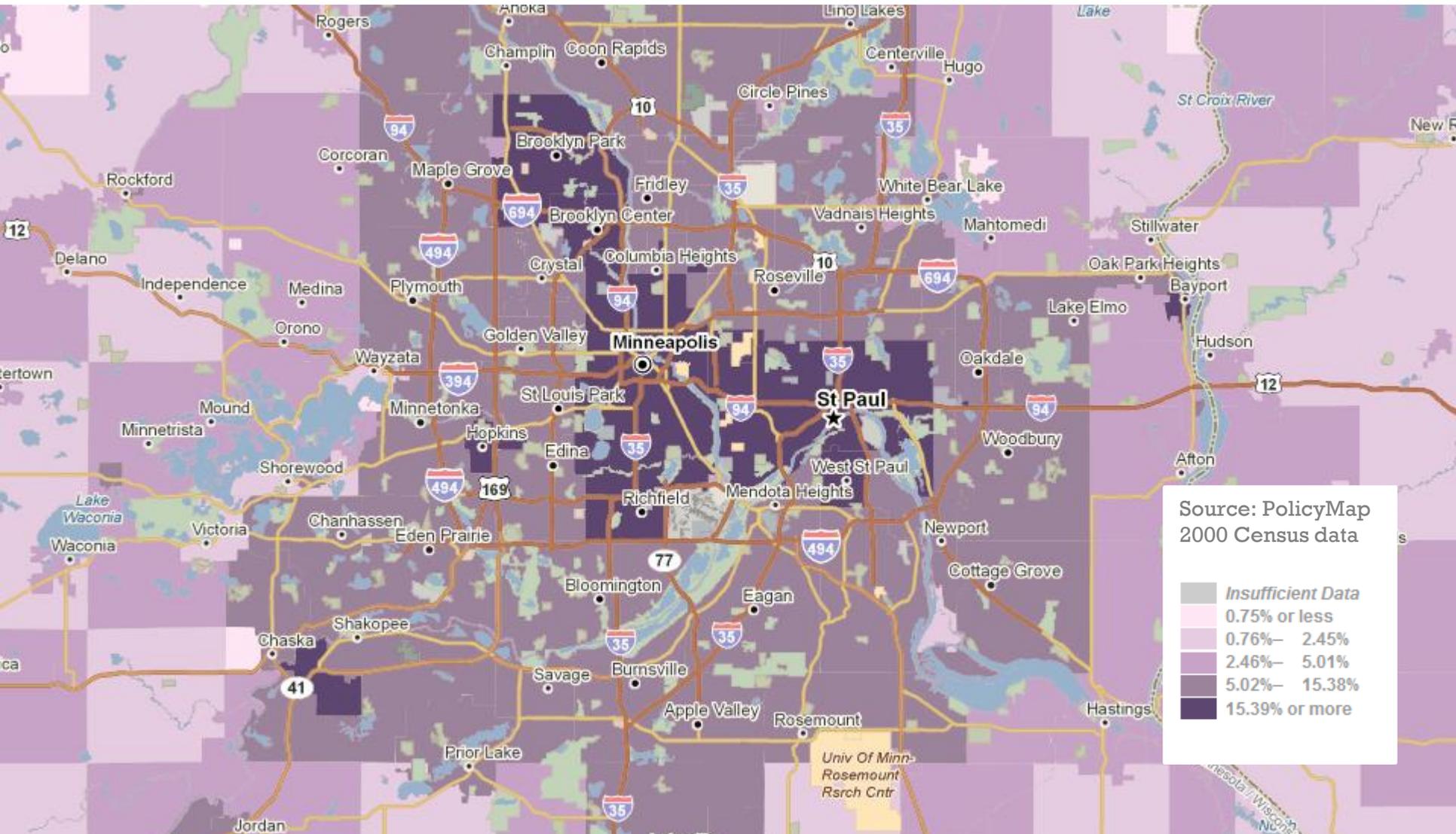
MN: Largest growth among Asian, Black and Hispanic groups by 2030



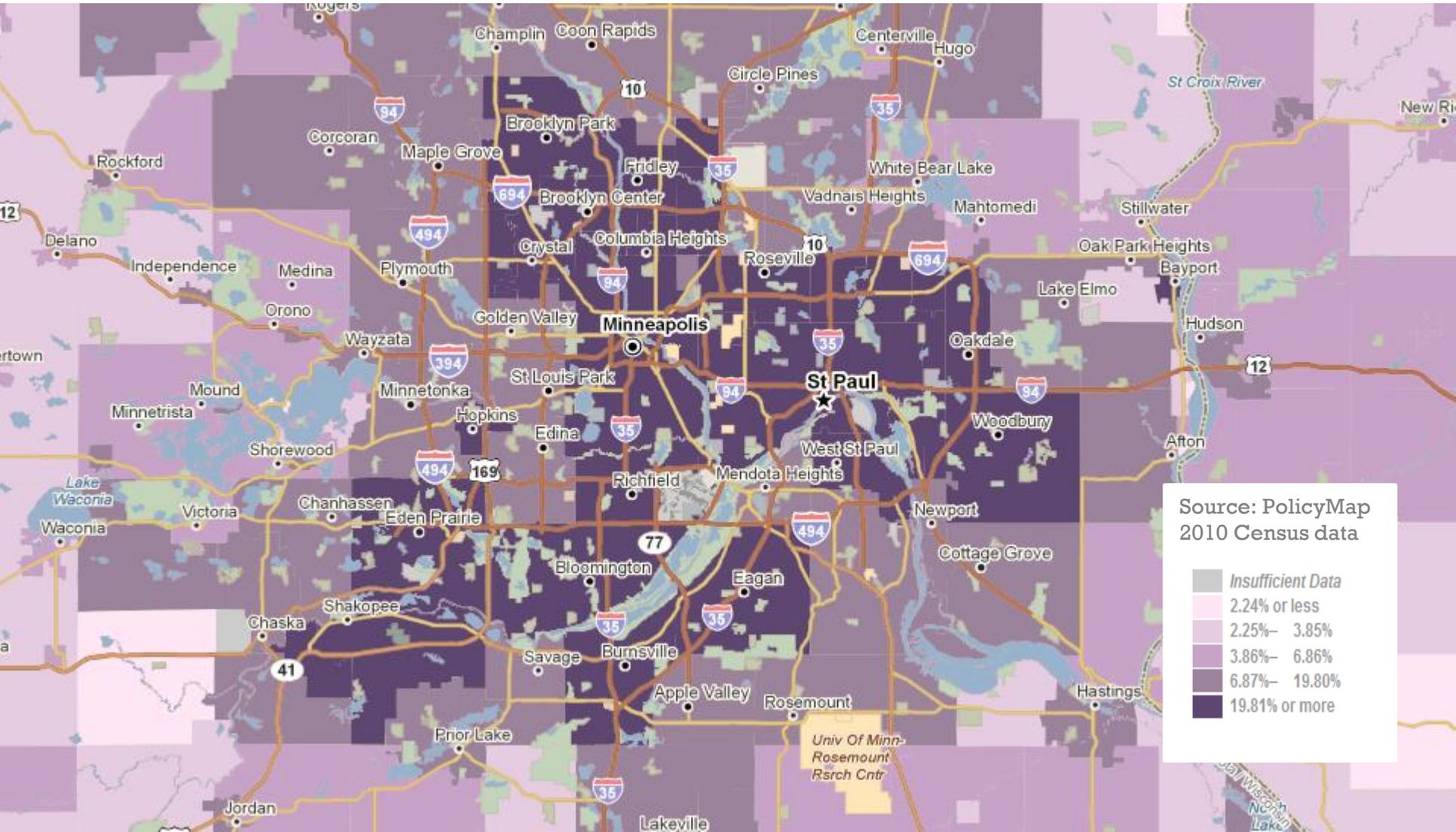
Source: Minnesota State Demographic Center projections.



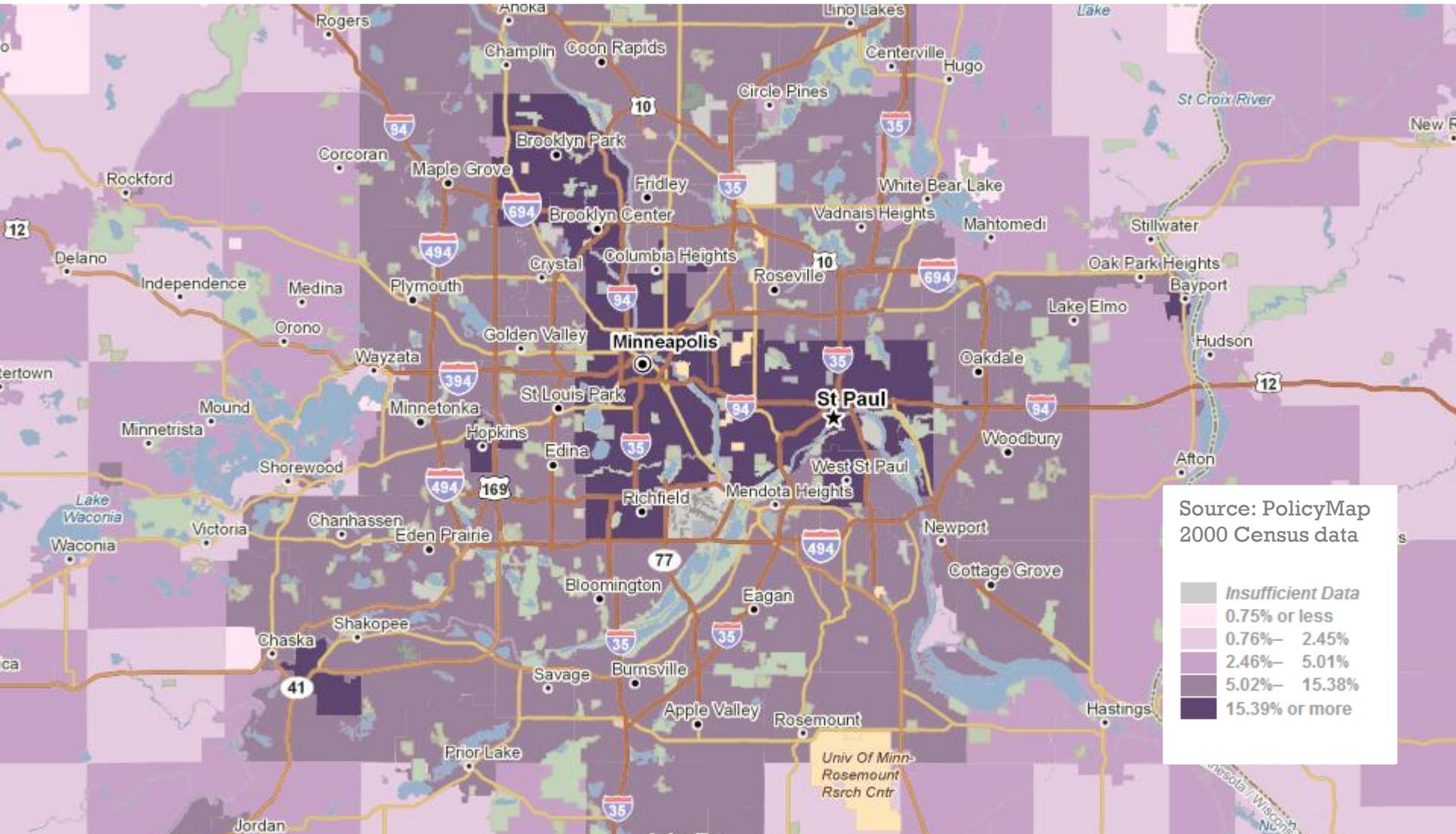
2000: Few cities had populations of color > 15%



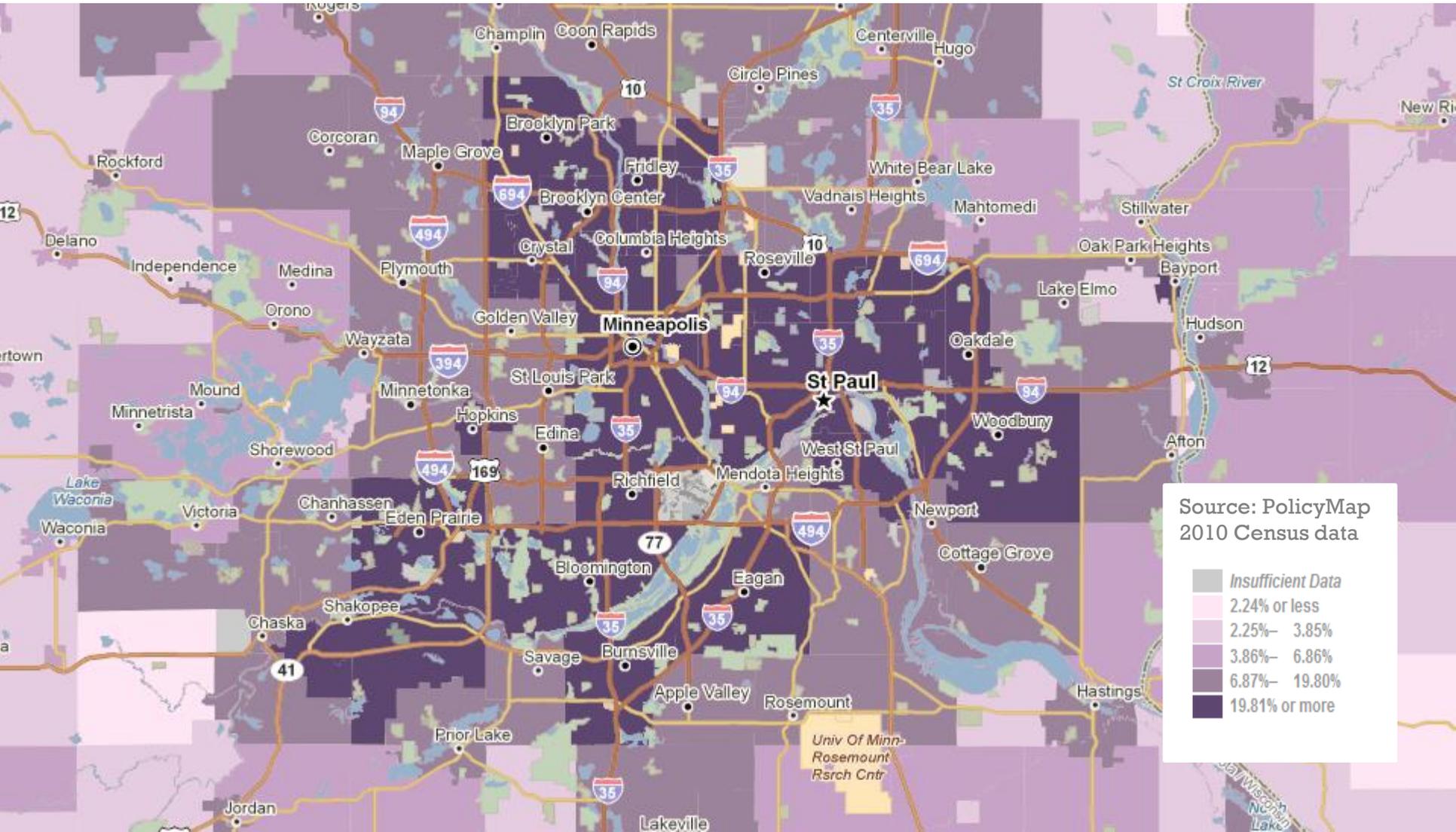
2010: Many cities had populations of color > 20%



2000: Few cities had populations of color > 15%



2010: Many cities had populations of color > 20%

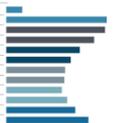


+ QUIZ QUESTION:

True or False: Immigrants are more common in MN today than they were in 1920.

A. True

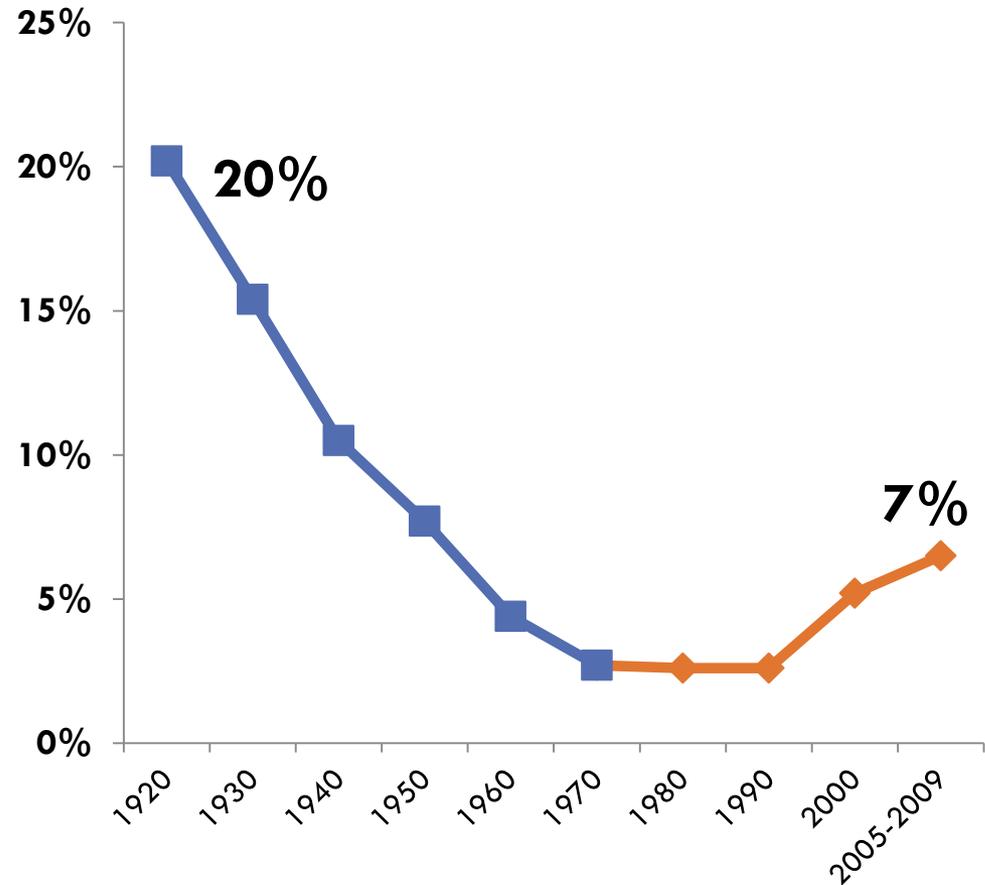
B. False





Immigration is not a new phenomenon in MN

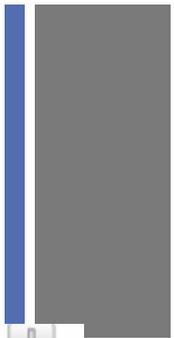
Percent Foreign Born
Minnesota 1970-2009



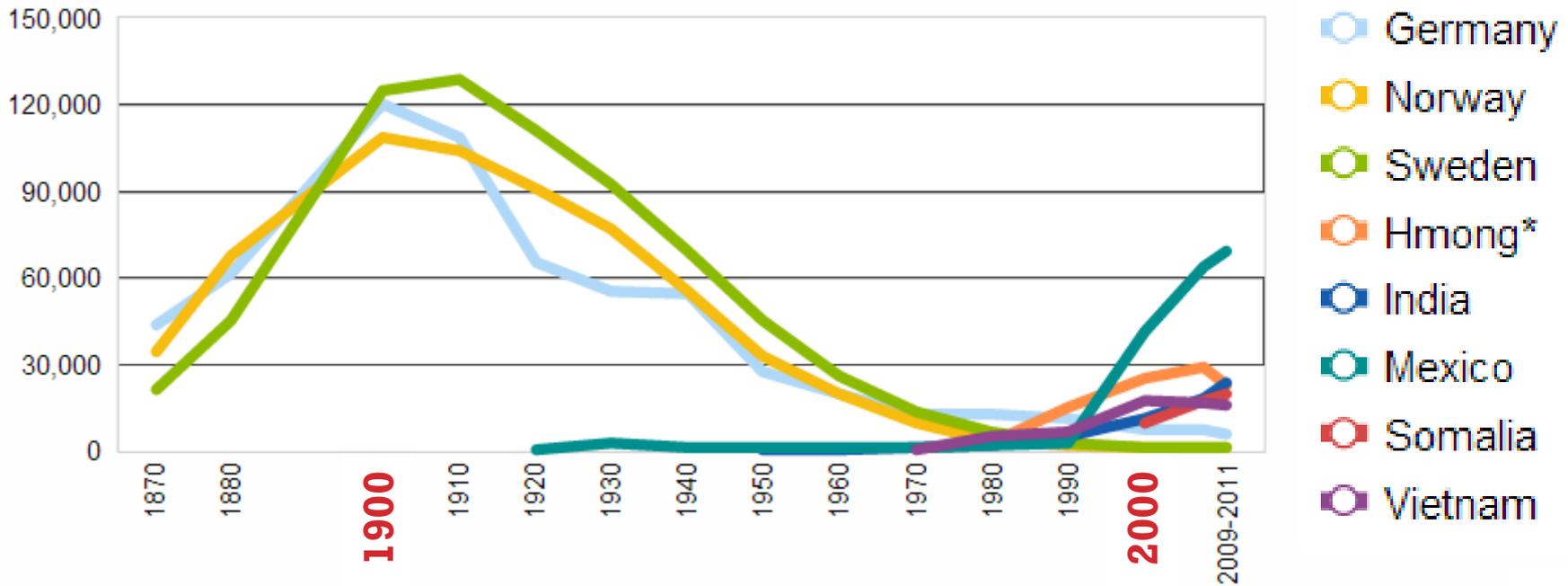
Source: U.S. Census Bureau



Much of our state's character is from immigration in late 1800s

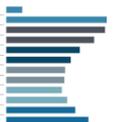


Foreign born population by birthplace
Minnesota, 1870-2011



Compiled by
Compass

Source: MNCompass tabulations of IPUMS version of U.S. Census Bureau decennial censuses and 2009-2011 American Community Survey

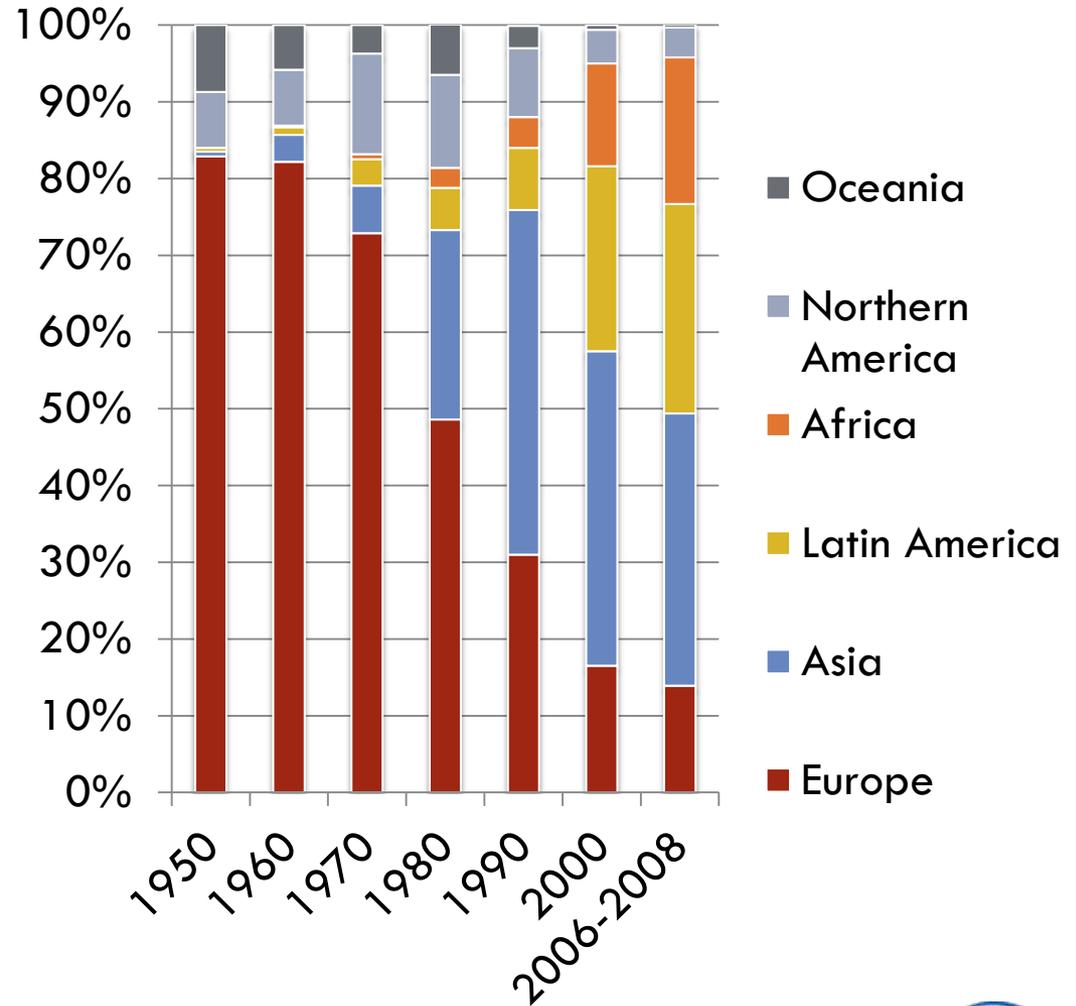




Our foreign-born population is becoming increasingly diverse

Foreign Born by World Region of Birth

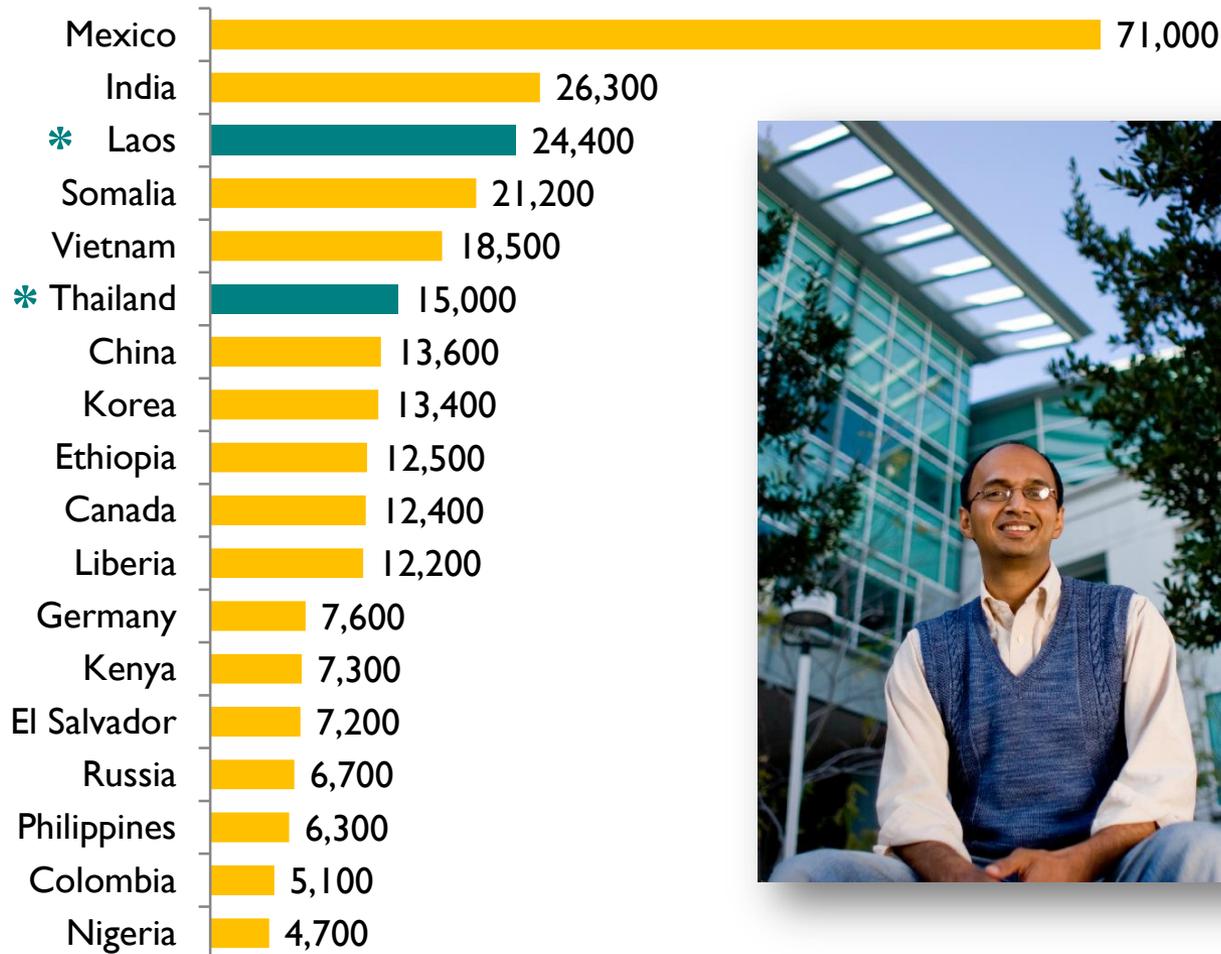
Minnesota 1950-2008



Source: mncompass.org



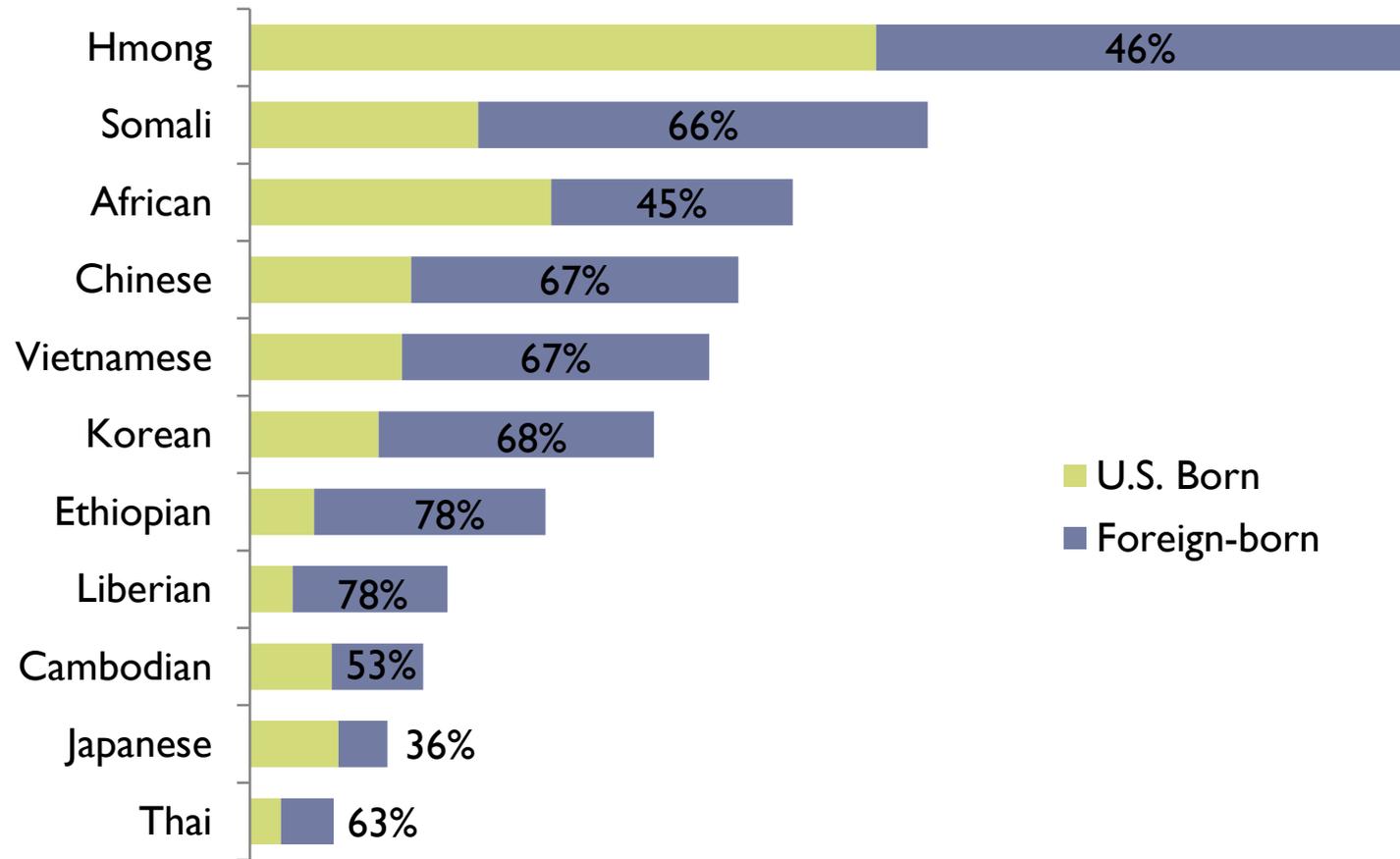
MN foreign-born population: Largest groups by country of birth, 2010-2012



* Hmong represented

Source: MN Compass

+ Second generations of newer immigrant groups are growing



Source: Tabulated by the Minnesota State Demographic Center from the Integrated Public Use Microdata Series (2007-2011)



Which MN kids are leaving high school in 4 years with a diploma? (2013 data)

- 79% of all high school students (2009: 74%) + 5 pts
- 49% of American Indian students (2009: 41%) + 8 pts
- 78% of Asian students (2009: 68%) + 10 pts
- 58% of Hispanic students (2009: 43%) + 15 pts
- 57% of Black students (2009: 43%) + 14 pts
- 85% of White students (2009: 82%) + 3 pts
- 77% of boys (2009: 72%) + 5 pts
- 82% of girls (2009: 77%) + 5 pts

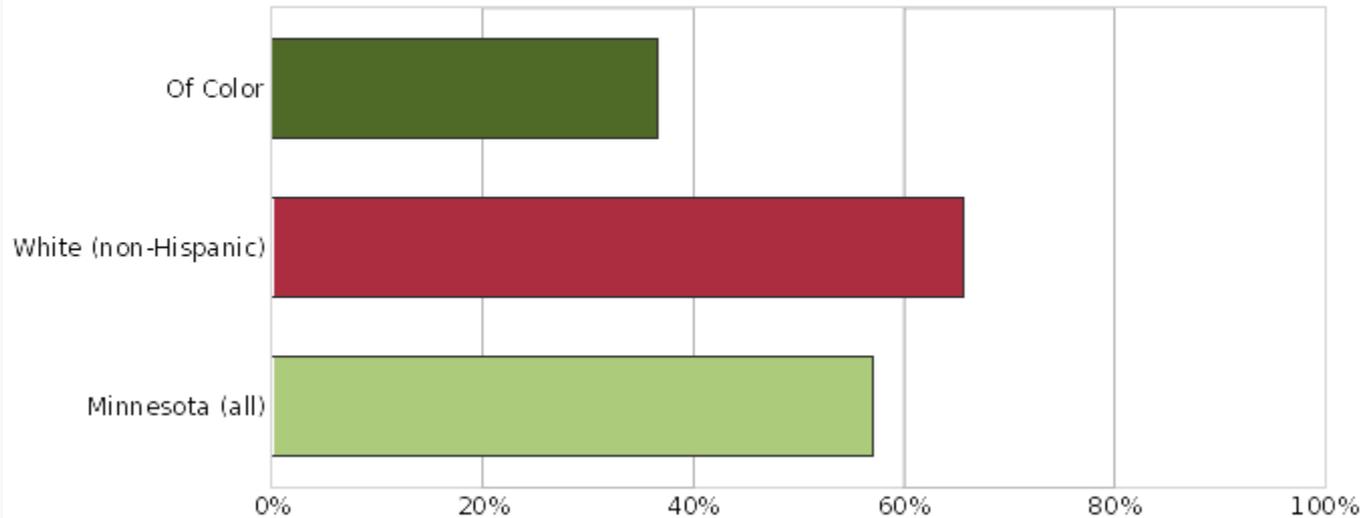
Two fastest growing demographic groups in MN





White students outpacing students of color in reading in MN

3rd grade students achieving reading standards by race
Minnesota, 2013



Source: Minnesota Compass.



Gaps in proportions of adults (16-64) working, 2010-2012 (with US rank)

- White - Asian = 10.7% (48th)
- White - Southeast Asian* = 15.9% (49th)
- White - Black = 10.7% (43rd)
- White - Foreign-born Black 12.5% (45th)
- White - American Indian 26.0% (49th)

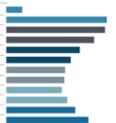
* “Southeast Asian” = those indicating ancestry as Burmese, Cambodian, Filipino, Hmong, Indonesian, Laotian, Malaysian, Thai, Taiwanese, or Vietnamese.



The future
will look
very
different
from today.

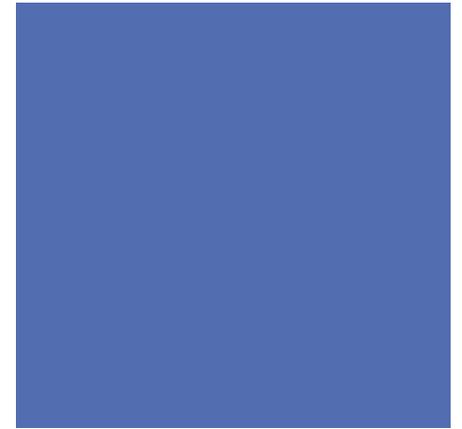
+ Take-away thoughts for all Minnesotans

- All areas of the state will feel effects of an aging population, **some places much more acutely**
- The **aging of our state** will create fierce debates about where to spend scarce public dollars
- Fewer workers relative to older adults puts a premium on **developing, retaining, and attracting skilled workers** — to fuel continued economic growth and to pay for needed public services
- **Poor educational, health and economic outcomes** for our fast-growing populations of color jeopardize our economic competitiveness and quality of life for all





Stay in touch with the State Demographic Center





State Demographic Center resources to help you in your work

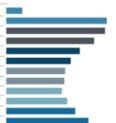
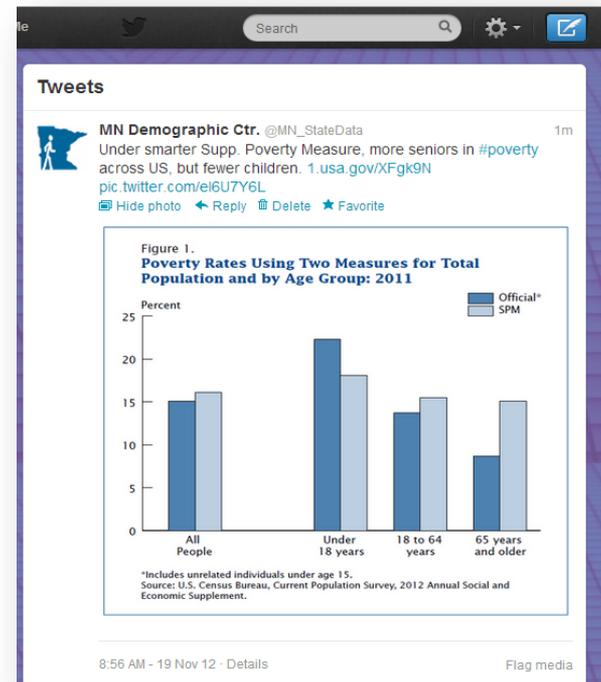
■ Homepage:

www.demography.state.mn.us

 Follow @twitter

■ Follow us on Twitter:

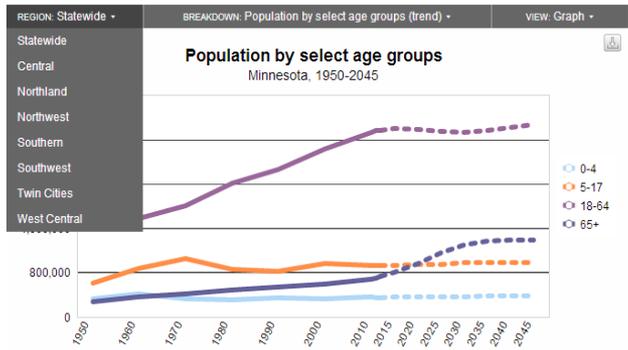
[@MN_StateData](https://twitter.com/MN_StateData)



DEMOGRAPHICS

You are here: MN Compass > Demographics

AGE



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FOLLOW MNCOMPASS

Coverage Type, Total

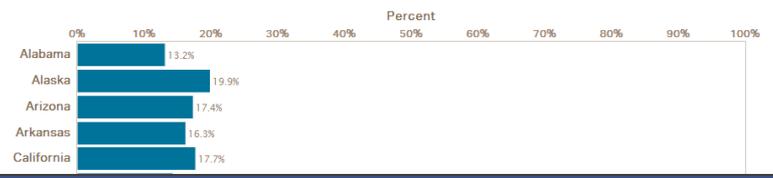
Coverage Type: Uninsured
Single Year: 2012; Data Type: Percent

Rank | Trend | Map | Bar

Edit this Chart (years, etc) | Change the Indicator | Start Over

Coverage Type: Uninsured

SORT BY: Location | Lowest Value | Highest Value



Where are the data?

National and Local Data Resources

MAIN | COMMUNITY FACTS | GUIDED SEARCH | **ADVANCED SEARCH** | DOWNLOAD CENTER

Search - Use the options on the left (topics, geographies, ...) to narrow your search results

Your Selections: Search using... State: Minnesota

Select Topics: People, Housing, Business and Industry, Governments, Year, Product Type, Program, Dataset

Search Results: 1-25 of 37,864 tables and other products match "Your Selections"

Dataset	About
2010 Population Estimates	
2013 Population Estimates	
2013 Population Estimates	
2013 Annual Survey of State Government Tax Collections	
2013 Population Estimates	
2012 ACS 1-year estimates	
2012 ACS 3-year estimates	
2012 ACS 5-year estimates	
2012 ACS 1-year estimates	
2012 ACS 3-year estimates	
2012 ACS 5-year estimates	
2012 ACS 1-year estimates	
2012 ACS 3-year estimates	
2012 ACS 5-year estimates	
2012 ACS 1-year estimates	
2012 ACS 3-year estimates	
2012 ACS 5-year estimates	
2012 ACS 1-year estimates	
2012 ACS 3-year estimates	
2012 ACS 5-year estimates	
2012 ACS 1-year estimates	
2012 ACS 3-year estimates	
2012 ACS 5-year estimates	

1990 Census | 2000 Census | **2012 ACS 2011 CBP**

Select a Measure: **Bachelor's degree or more**

American Community Survey 2012 5-year

- Total population
- 65 and over
- Foreign born
- High school graduate or more
- Bachelor's degree or more**
- Master's degree or more
- In labor force
- Professional, Scientific and Technical Industry Workers
- Owner occupied
- Median Household Income
- Household Income Over \$150,000

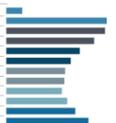
County Business Patterns 2011

- Total wage employees (excludes contractors, self-employed)
- Tech wage employees
- Average yearly employee wage
- Average yearly tech employee wage
- Total establishments
- Tech establishments

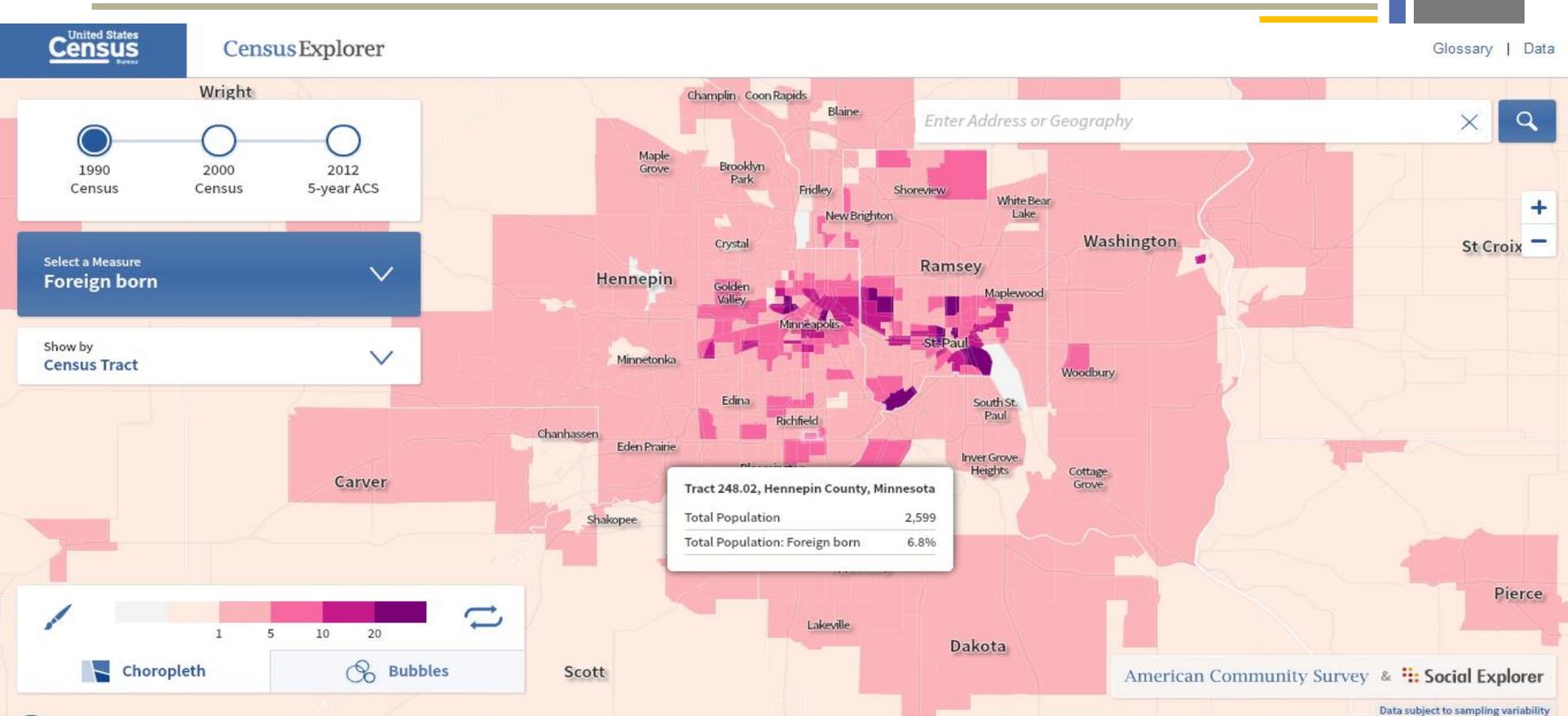
Enter address or geography

+ New “Census Explorer”

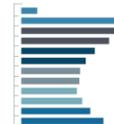
- Eight topics presently:
 - Total population
 - 65 and older %
 - Foreign-born population %
 - Population with a high school degree or higher %
 - Population with a bachelor’s degree or higher %
 - Labor force participation %
 - Home ownership %
 - Median household income
- Includes ACS 2008-2012, 2000 and 1990 decennial data down to census tract level
 - Shifting geographic boundaries by dataset
 - Address/geography search feature
- Shortcomings: not directly downloadable, no error margins given



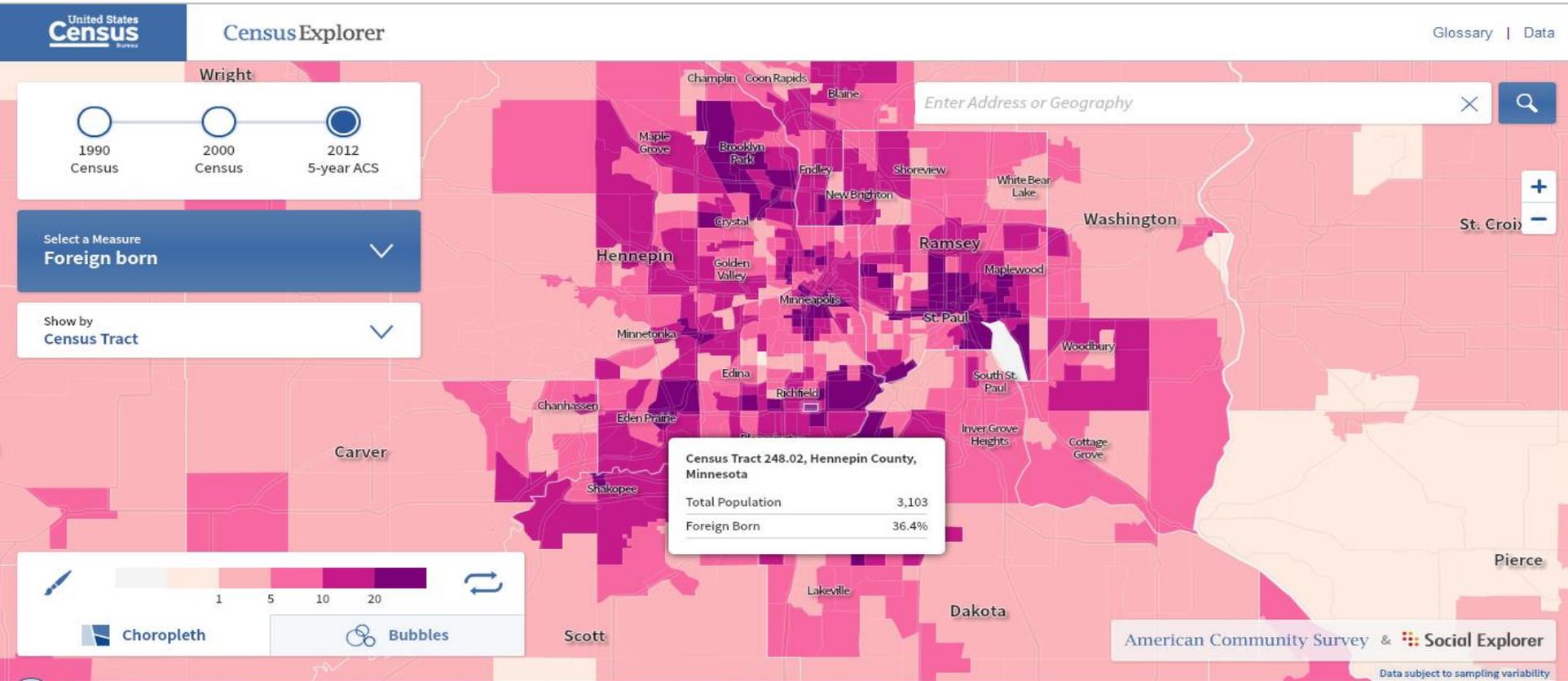
+ New Census Explorer: % foreign-born, 1990



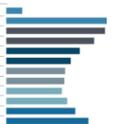
<http://www.census.gov/censusexplorer/>



+ New Census Explorer: % foreign-born, 2008-2012



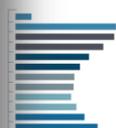
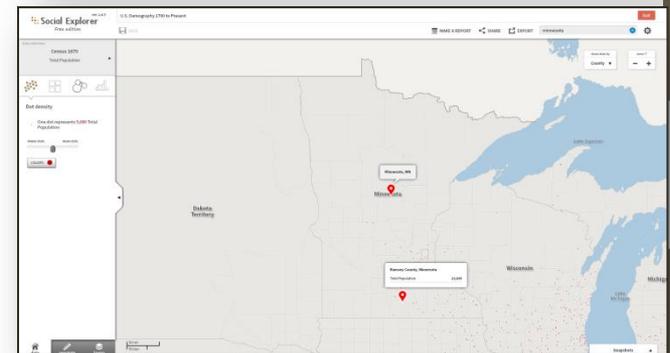
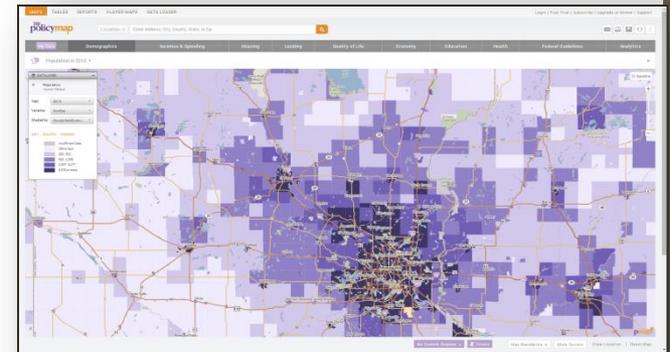
<http://www.census.gov/censusexplorer/>



Census data, beyond the Bureau

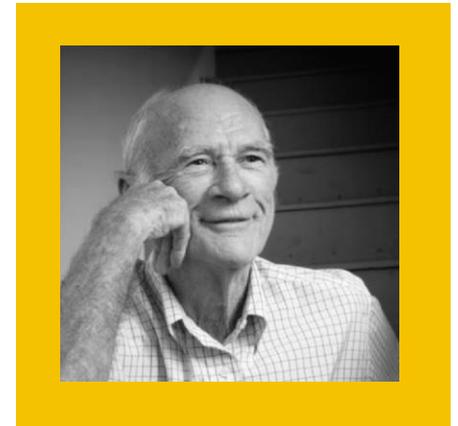
A few of our favorite, free data friends:

- **MNCompass.org**: Thousands of maps, graphs and tables for MN, counties, and larger cities. Downloadable into Excel. A project of Wilder Research in St. Paul.
- **Polycymap.com/maps**: Fully interactive thematic maps with preloaded Census data. Requires a free subscription to see some content. Tip: Use “Map Boundaries” button at bottom of any map to toggle on geographic boundary layers such as Census tracts.
- **www.socialexplorer.com/explore/maps**: Use the free edition of Social Explorer for mapping various decennial and ACS topics and especially for locating historical census data.
 - E.g., the population of Ramsey County in 1870 was 23,085!



+ Questions?
Comments?

Thank you!



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