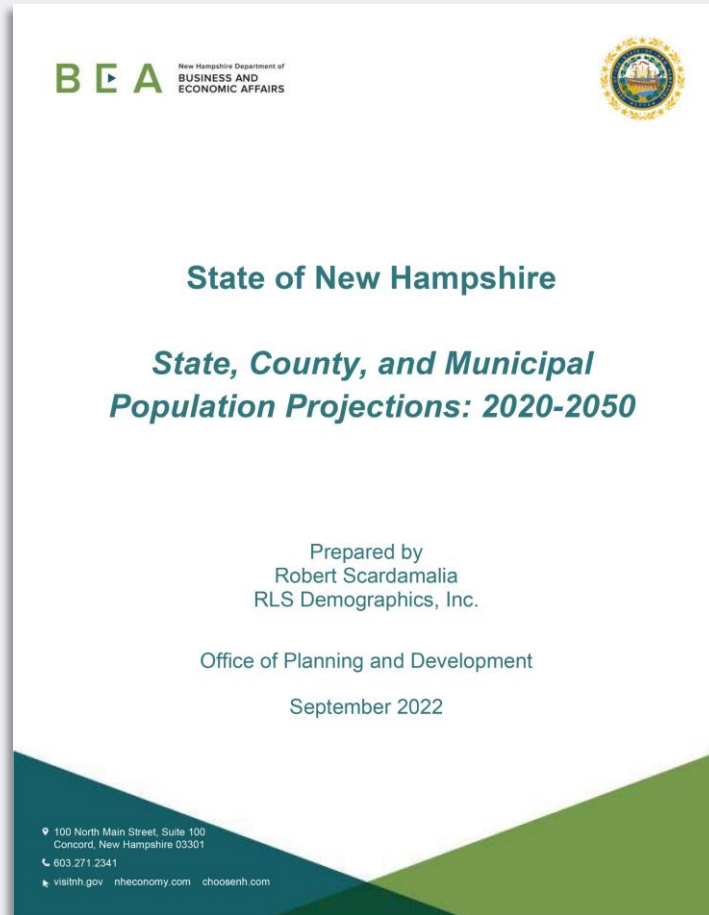


New Hampshire County & Municipal Population Projections: 2020 to 2050

Zachary Swick
Senior GIS Analyst

SNHPC Metropolitan Planning Organization
September 27, 2022

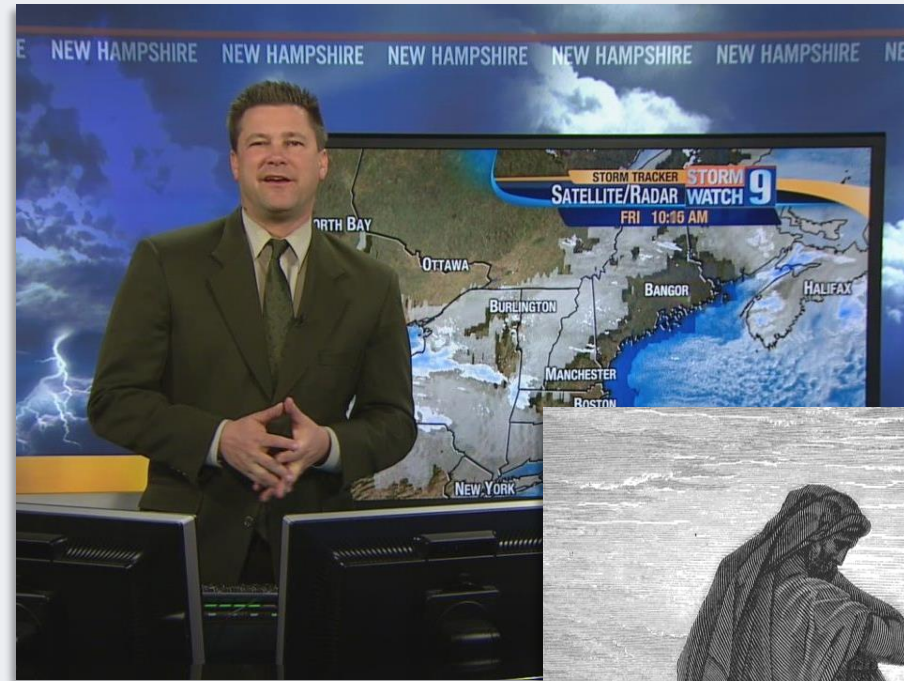


- NH Office of Planning & Development
 - Population projections since 1964
 - Last updated in 2016
- RLS Demographics, Inc.
 - Did the previous set of projections
- Small working group
 - Staff from Central NH Regional Planning Commission, Strafford Regional Planning Commission, & Southern NH Planning Commission

What is a projection?

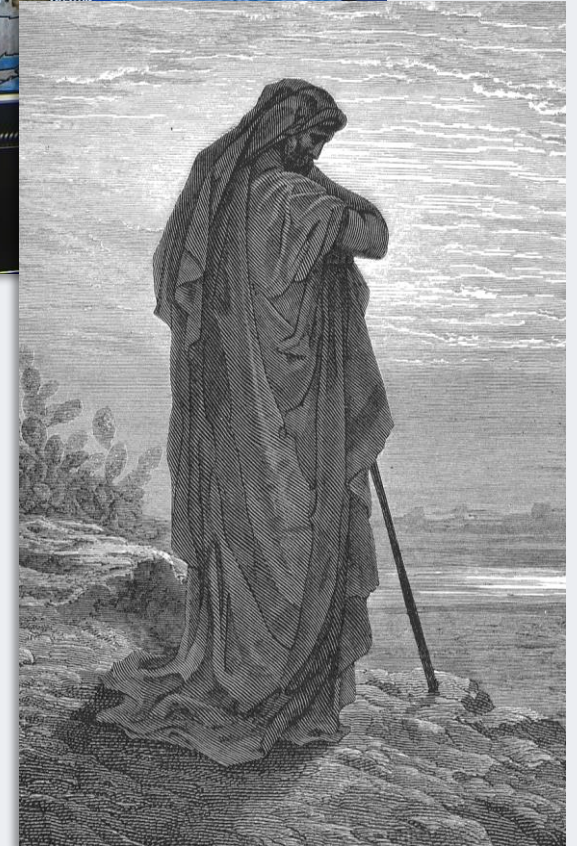
- “A *proof* about the future is in any case impossible, and it has been sagely remarked that all predictions are unreliable, particularly those about the future”

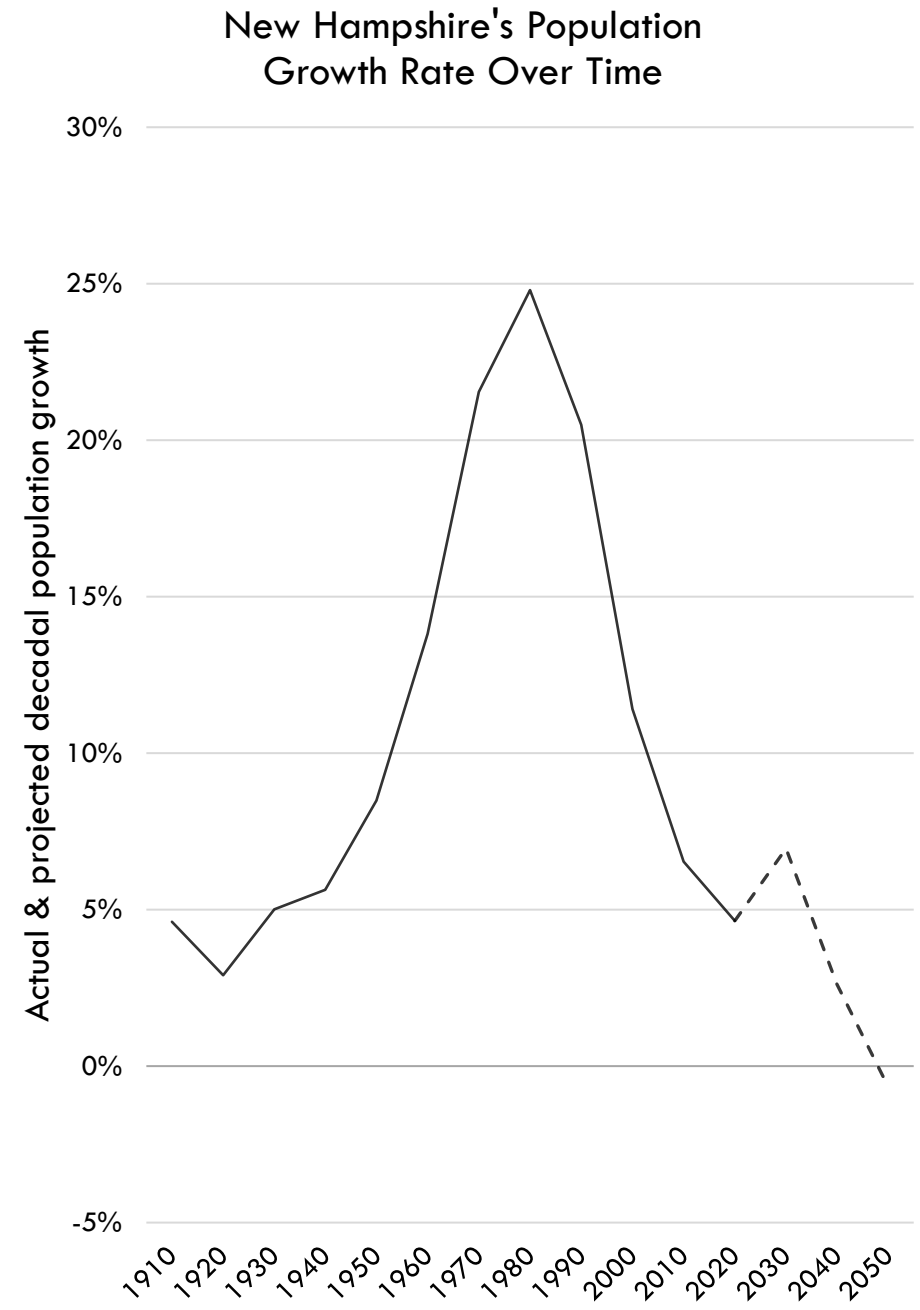
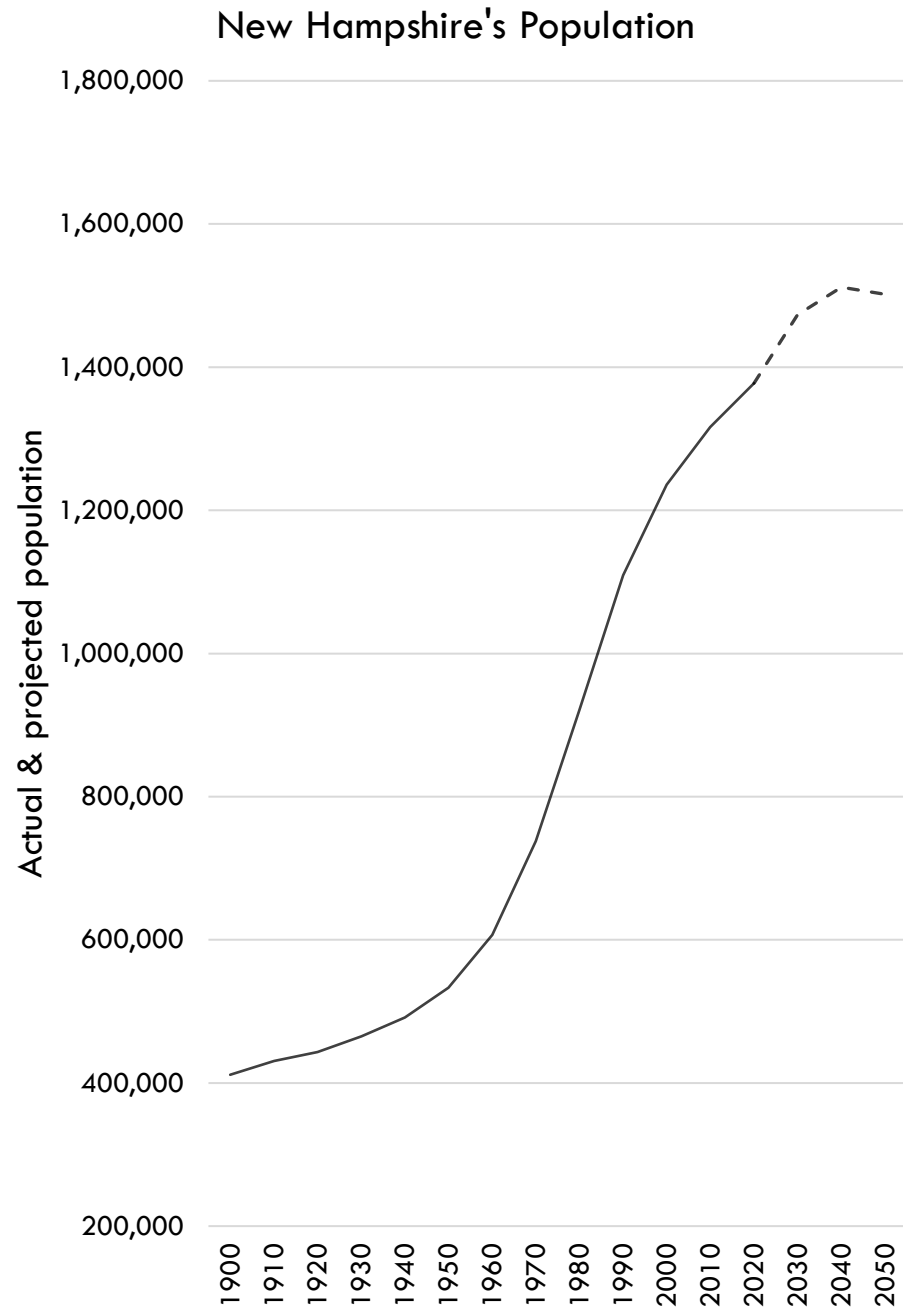
- -E.F. Schumacher
British economist



not a
prediction
about the
future,

a prediction
about the
future *if...*





Projection Inputs

- State and County Model Inputs

- Population by age and sex
- Age specific birth rate
- Age specific death rate
- Age specific net migration rate
- Special populations (colleges, prisons, nursing homes, etc.).

- County figures are combined to calculate state numbers

- Municipal Model Inputs

- Current total population
- Net population growth over the previous decade as a percentage of net county growth
- Known, imminent large housing developments
- **The county's model inputs**

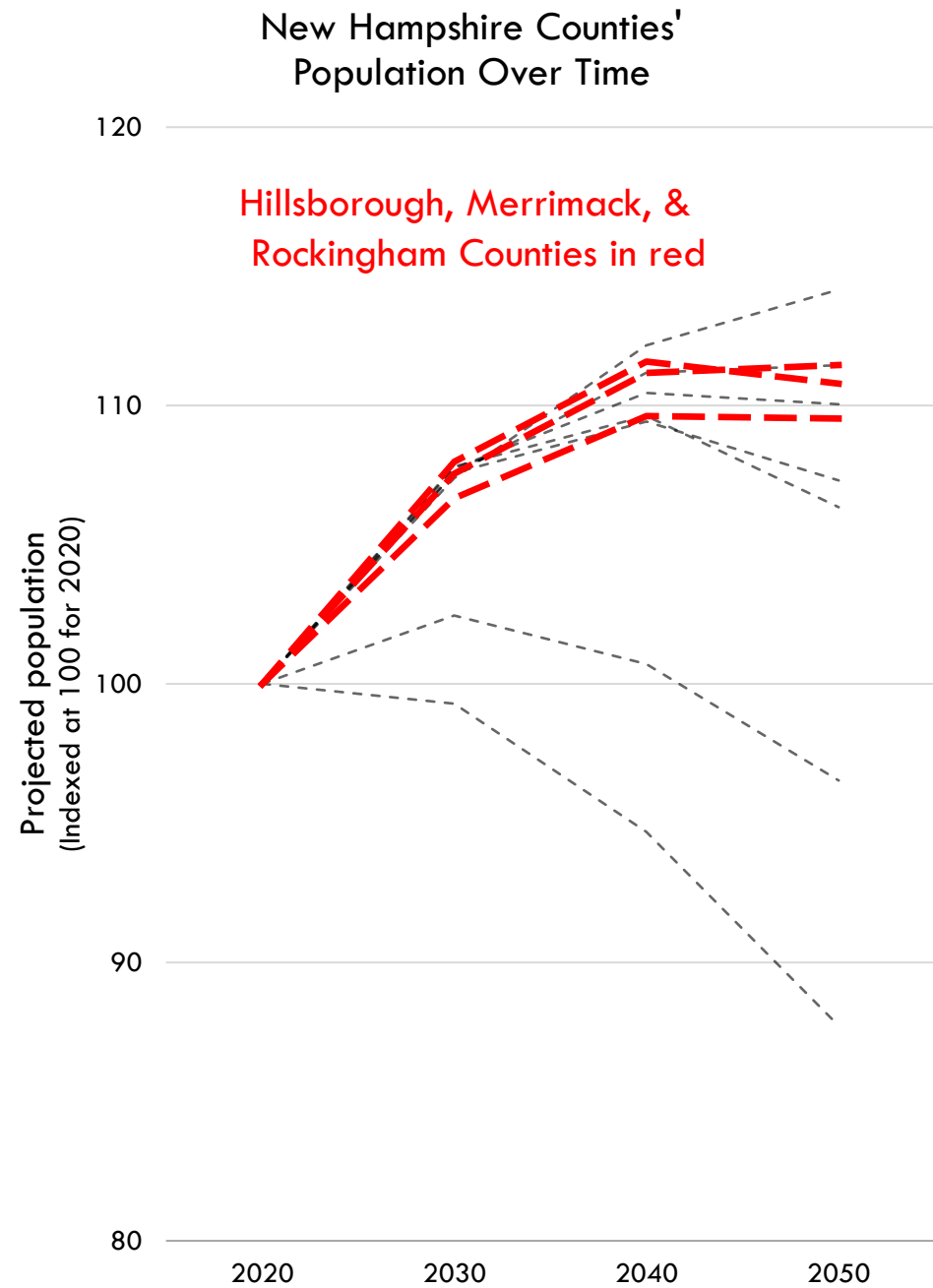
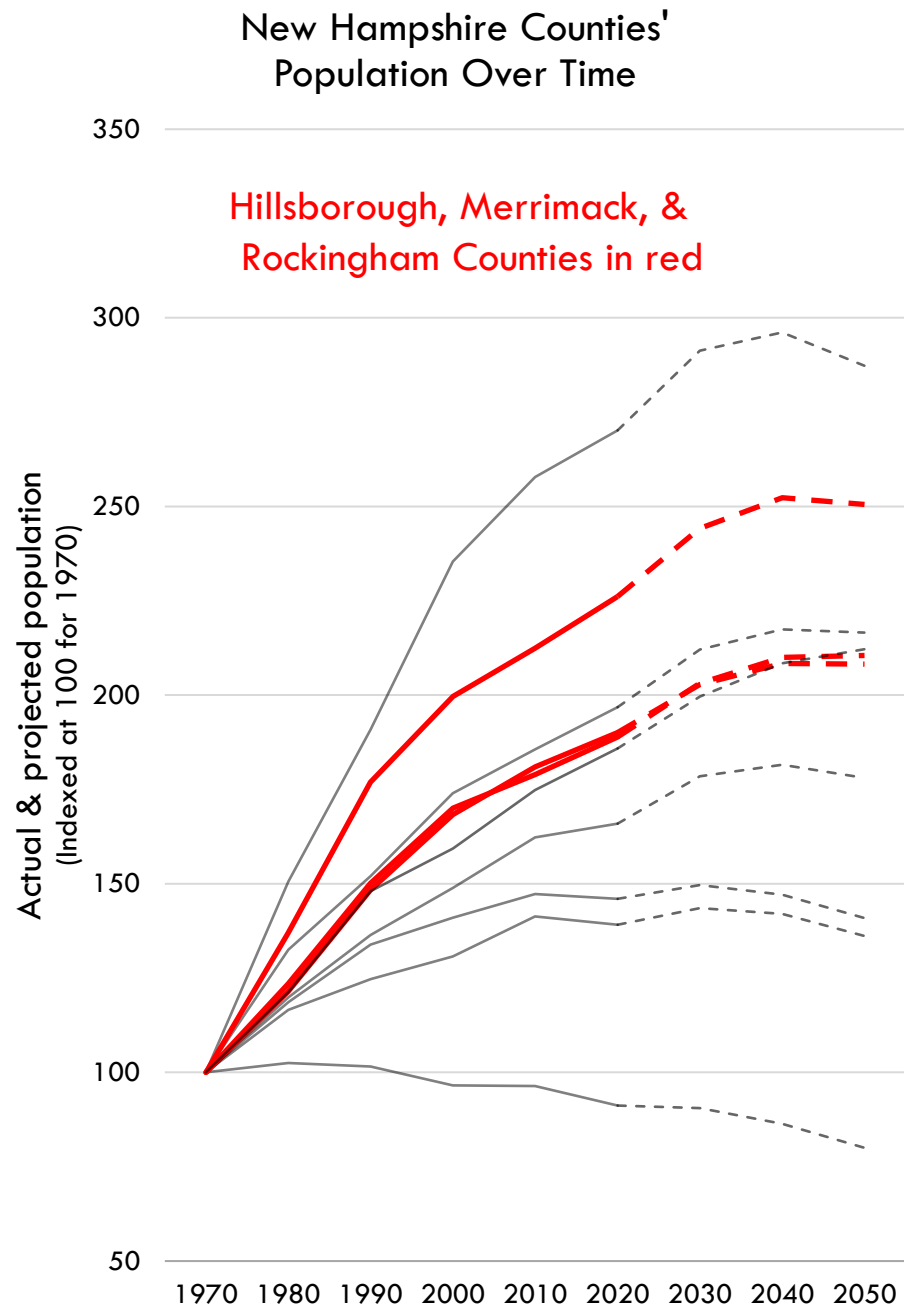
∴ A municipality's projections are largely dependent on the county's

Projection Outputs

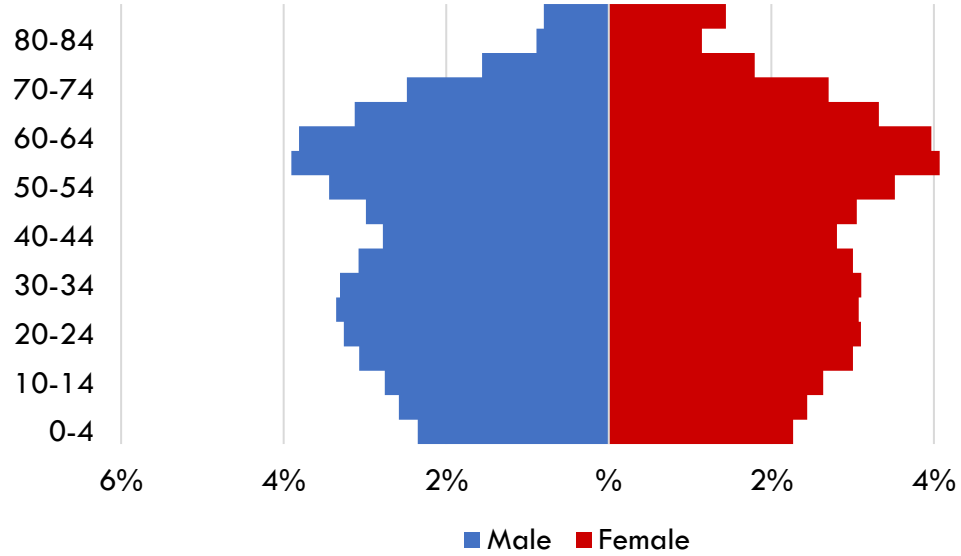
- State and County Model Outputs
 - Population estimates by age, sex, & race for every 5 years from 2020 to 2050
- Municipal Model Outputs
 - Population estimates for every 5 years from 2020 to 2050
- Excel tool for scenario planning

	Projected Population							% of NH Total	
	2020	2025	2030	2035	2040	2045	2050	2020	2050
Belknap	63,700	66,400	68,600	69,900	70,400	70,300	70,100	4.6%	4.7%
Carroll	50,100	52,300	54,000	54,900	54,900	54,300	53,300	3.6%	3.5%
Cheshire	76,500	77,700	78,300	78,100	77,000	75,500	73,800	5.6%	4.9%
Coos	31,300	31,300	31,000	30,500	29,600	28,500	27,400	2.3%	1.8%
Grafton	91,100	95,000	98,000	99,500	99,700	99,000	97,800	6.6%	6.5%
Hillsborough	422,900	440,900	454,900	464,900	470,200	471,800	471,400	30.7%	31.4%
Merrimack	153,800	159,400	164,100	167,200	168,600	168,800	168,500	11.2%	11.2%
Rockingham	314,200	327,600	339,200	347,400	350,600	350,300	348,100	22.8%	23.2%
Strafford	130,900	136,200	140,600	144,200	146,800	148,400	149,400	9.5%	9.9%
Sullivan	43,100	43,900	44,400	44,400	44,000	43,100	42,100	3.1%	2.8%
Metro NH	868,000	904,600	934,700	956,600	967,600	970,500	968,900	63.0%	64.5%
Non-Metro NH	509,500	526,000	538,600	544,500	544,200	539,500	533,000	37.0%	35.5%

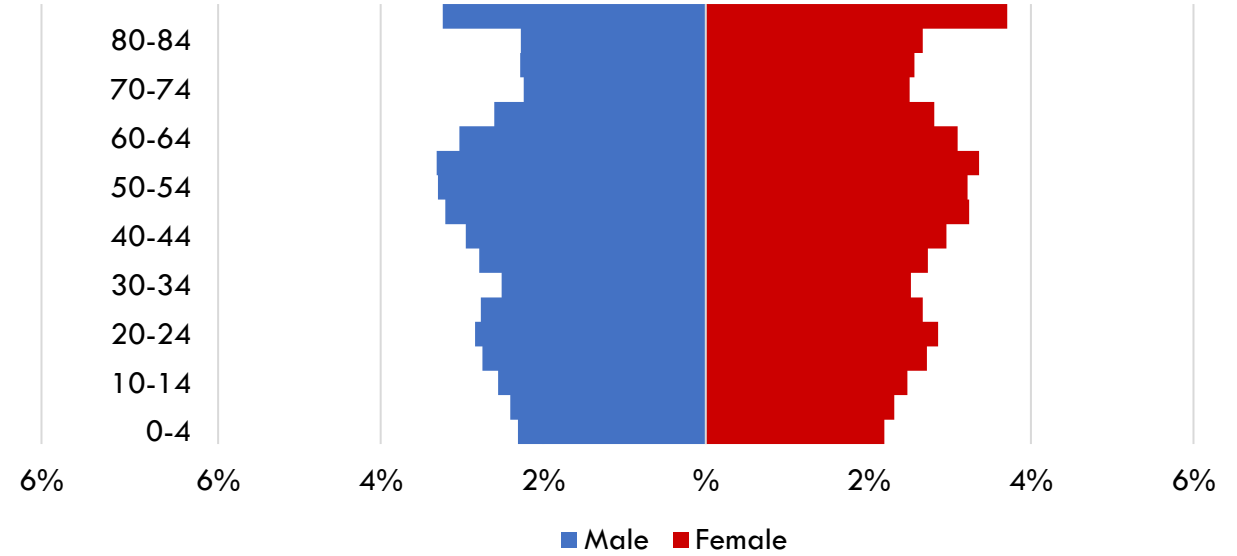
61% of SNHPC's residents live in **Hillsborough** County, **34%** in **Rockingham**, and **5%** in **Merrimack**



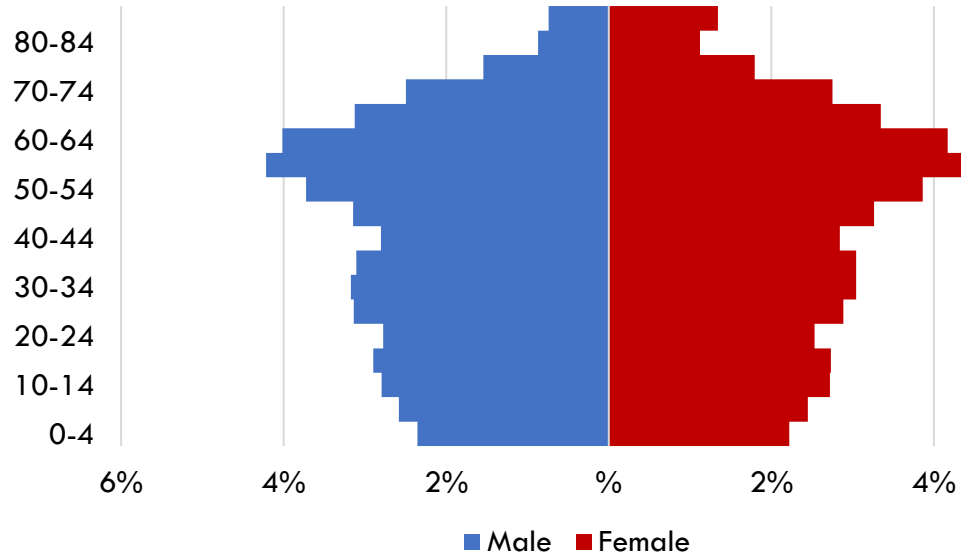
New Hampshire (2020)



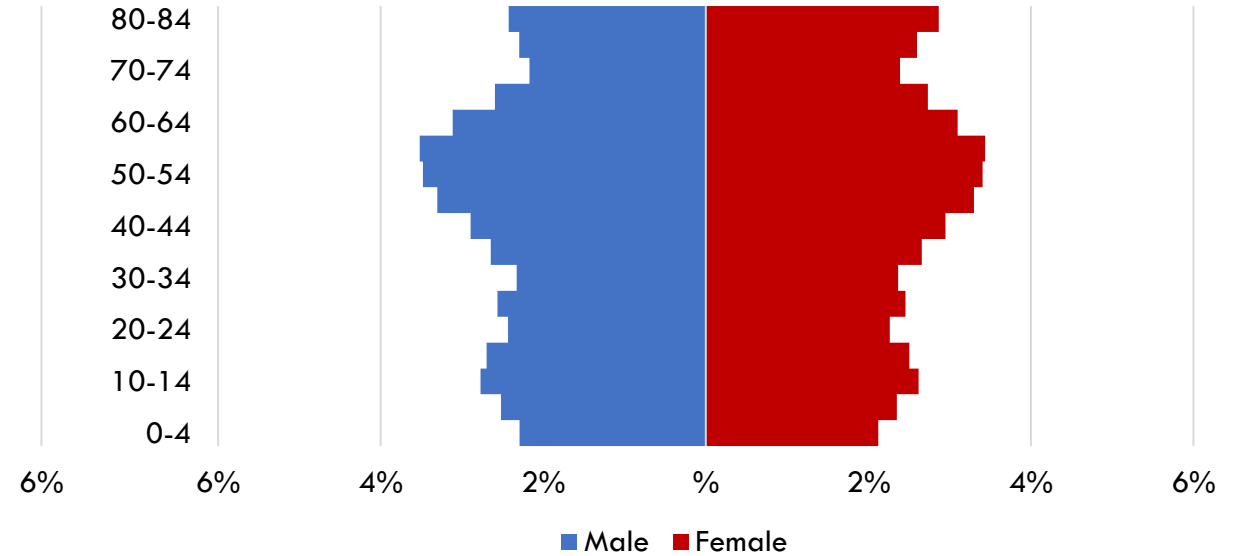
New Hampshire (2050)



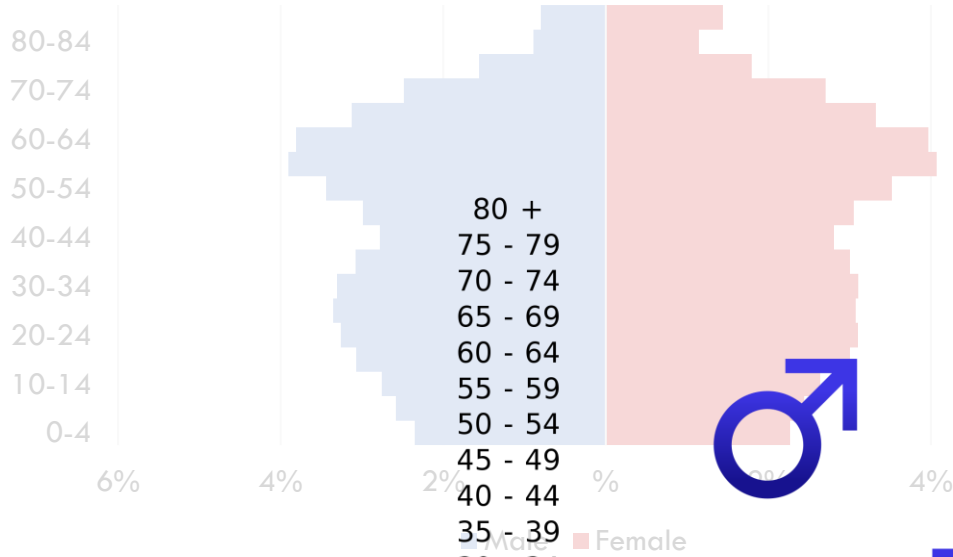
Hillsborough, Merrimack, & Rockingham Co. (2020)



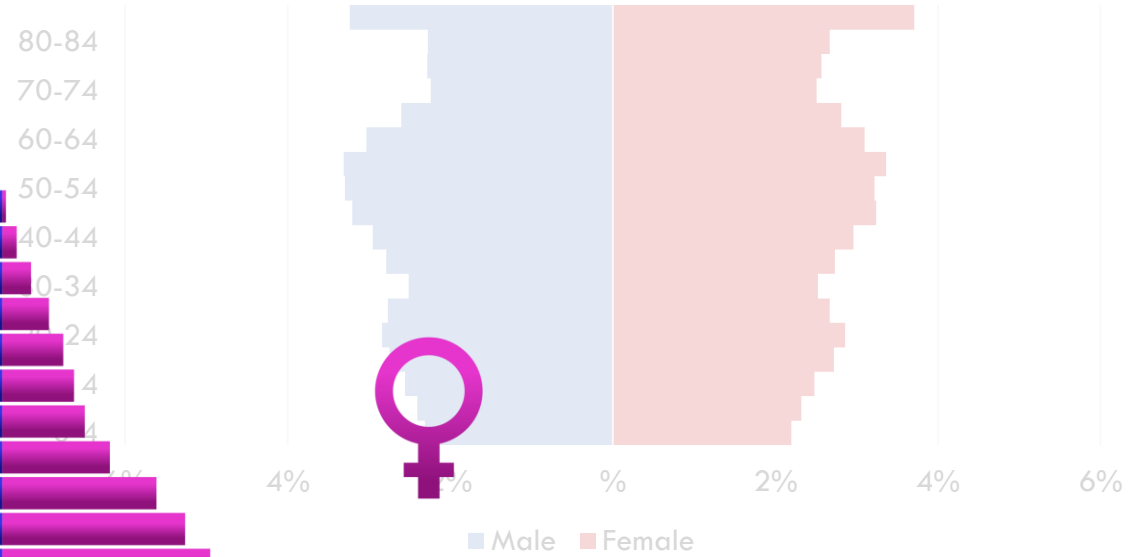
Hillsborough, Merrimack, & Rockingham Co. (2050)



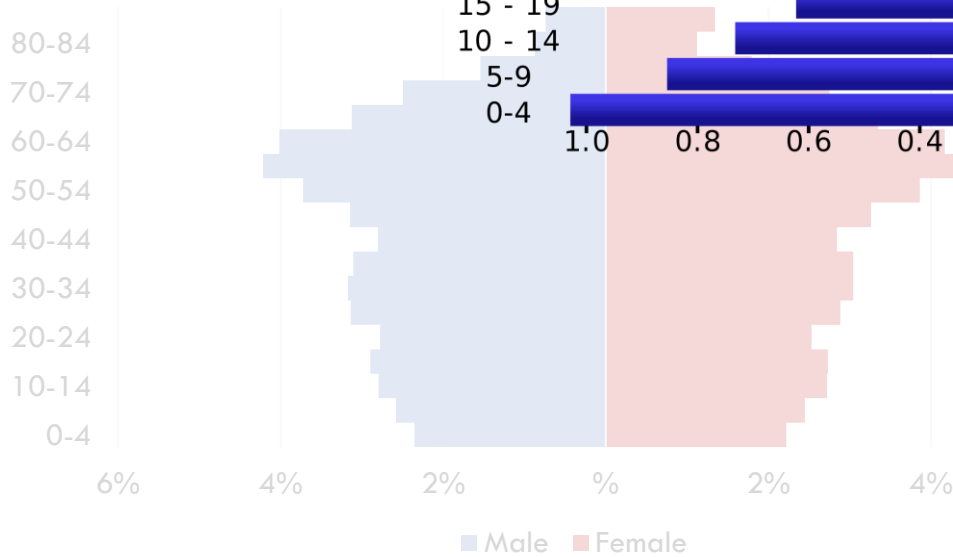
New Hampshire (2020)



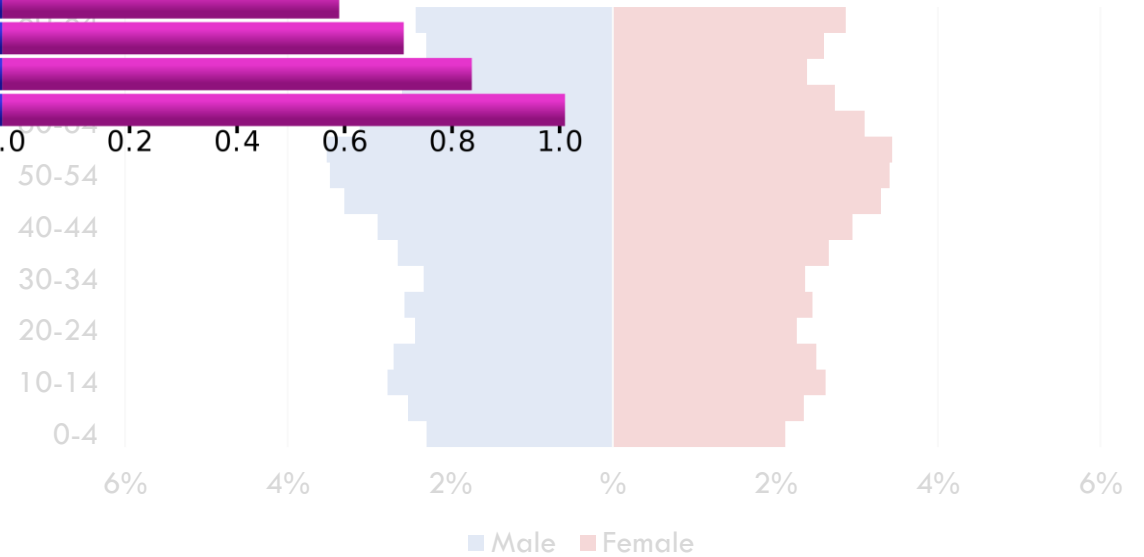
New Hampshire (2050)



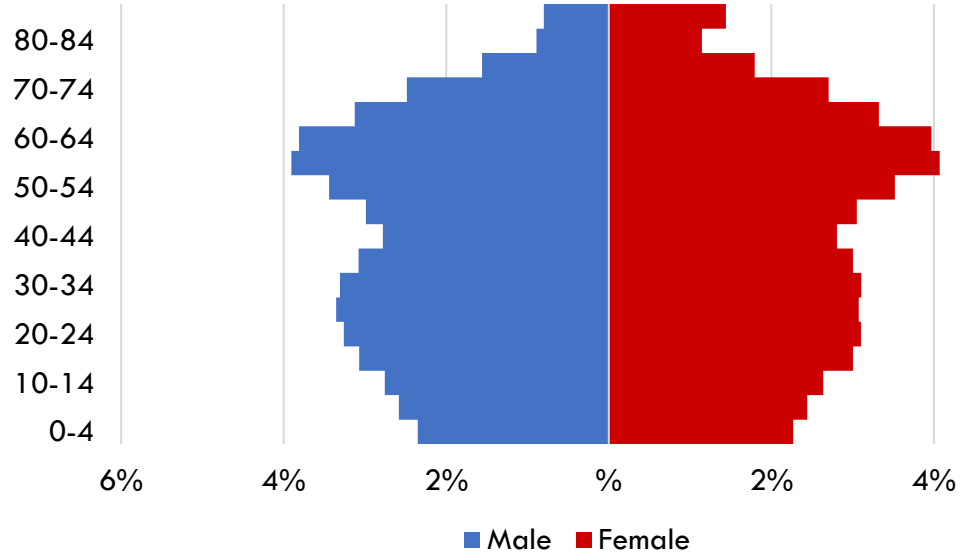
Hillsborough, Merrimack & Rockingham Co. (2020)



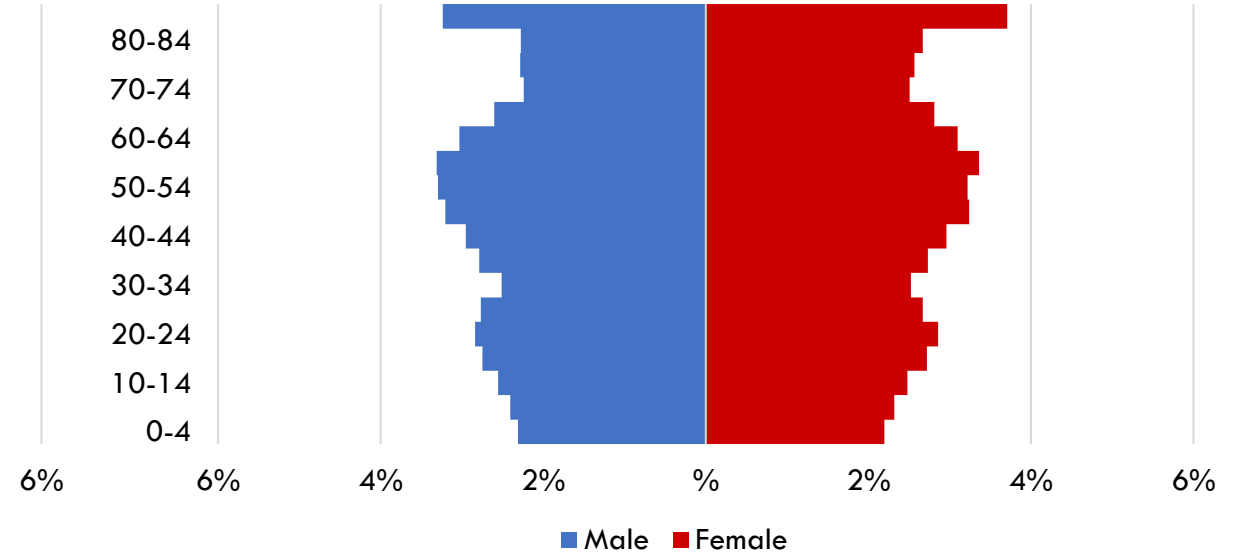
Hillsborough, Merrimack & Rockingham Co. (2050)



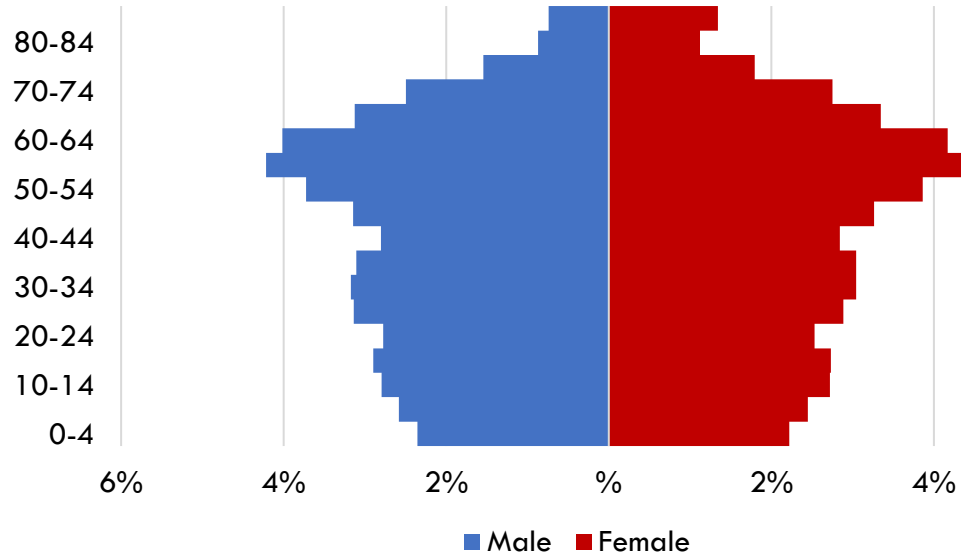
New Hampshire (2020)



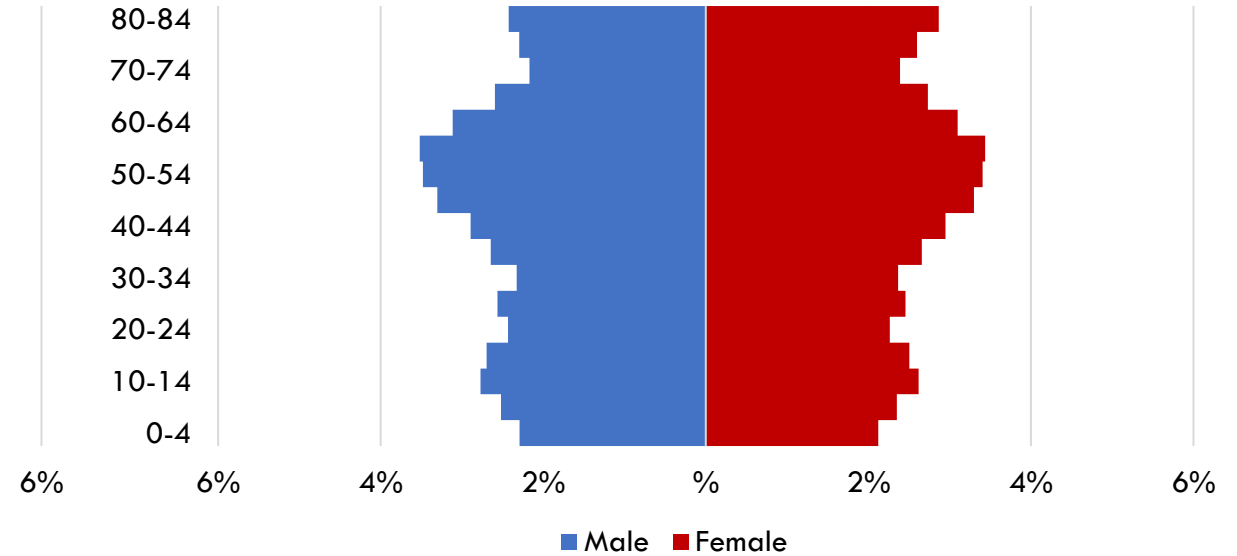
New Hampshire (2050)



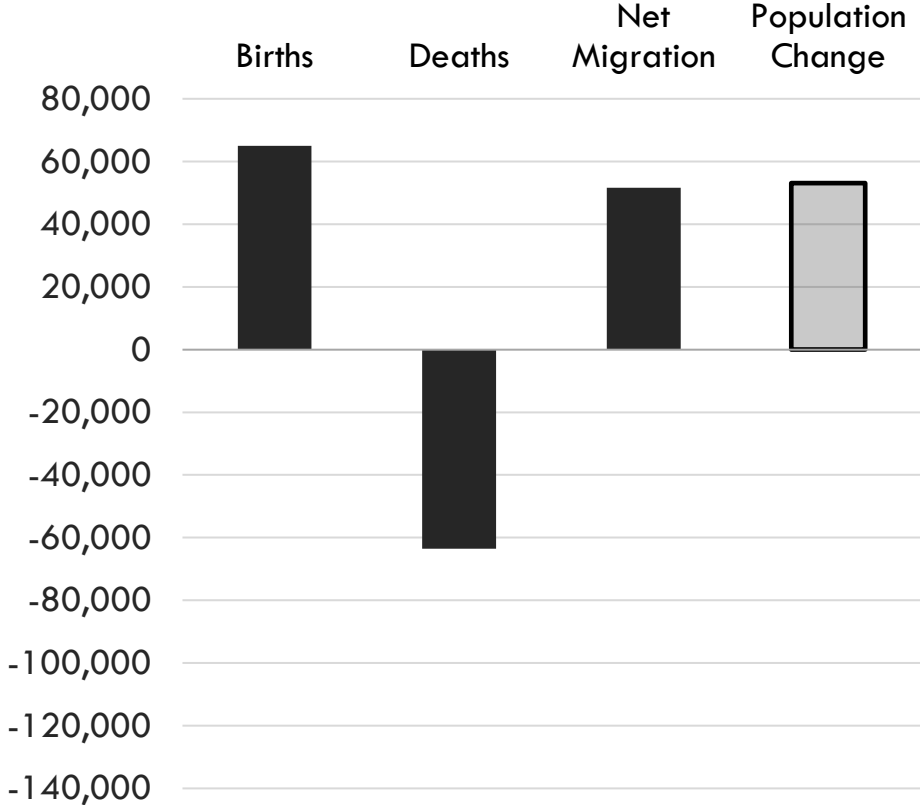
Hillsborough, Merrimack, & Rockingham Co. (2020)



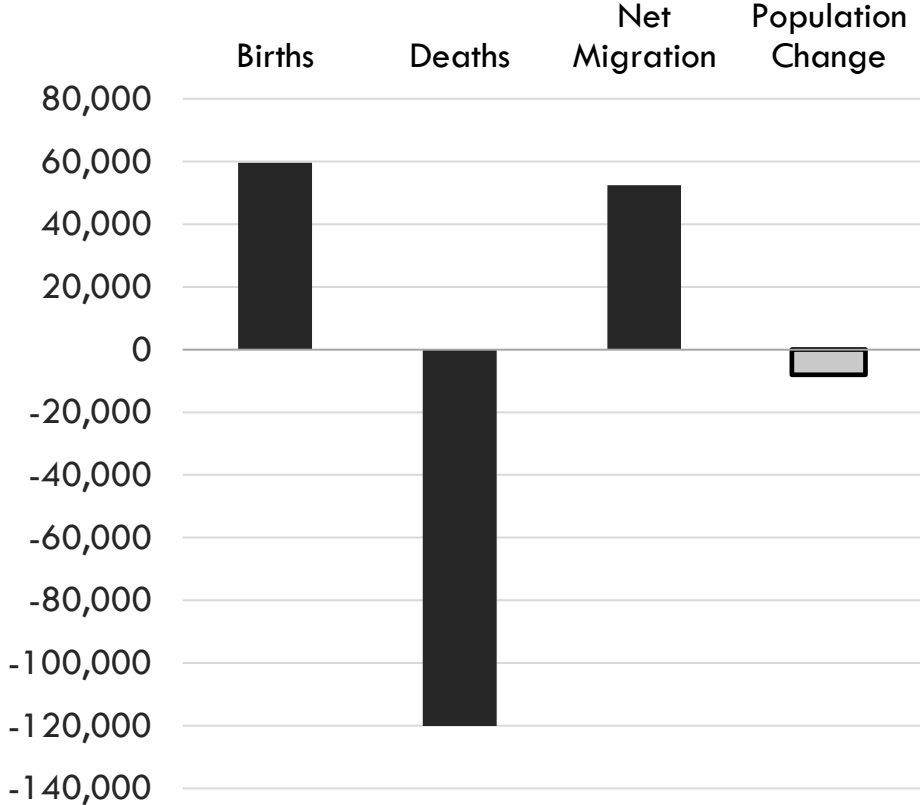
Hillsborough, Merrimack, & Rockingham Co. (2050)



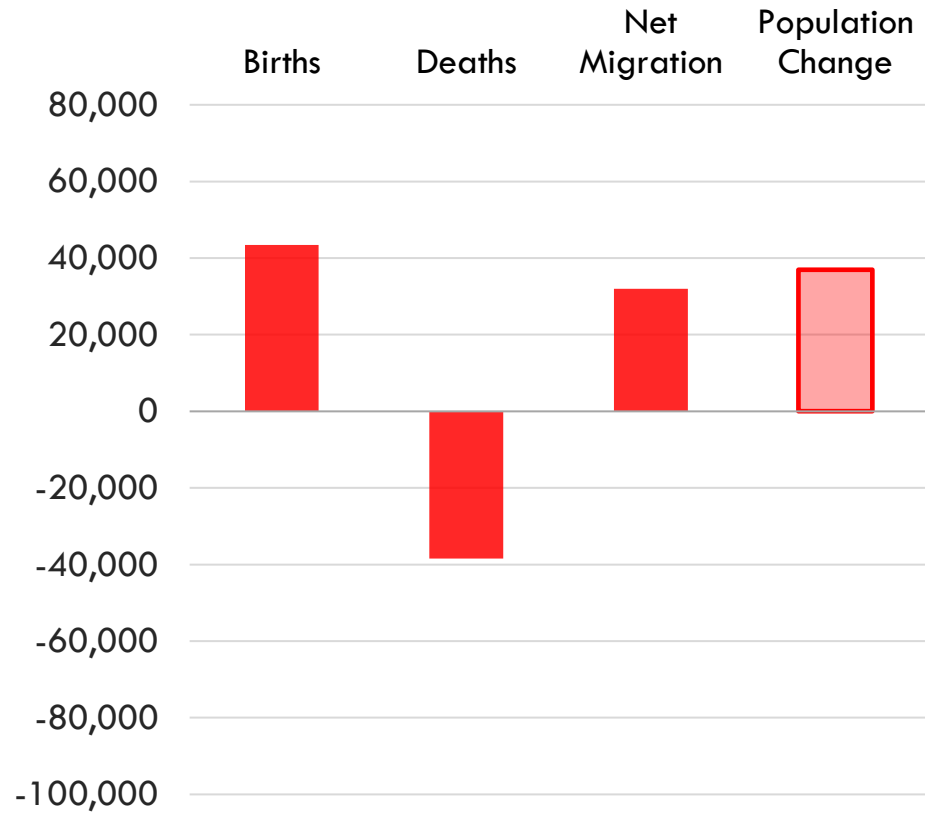
New Hampshire
(2020-2025)



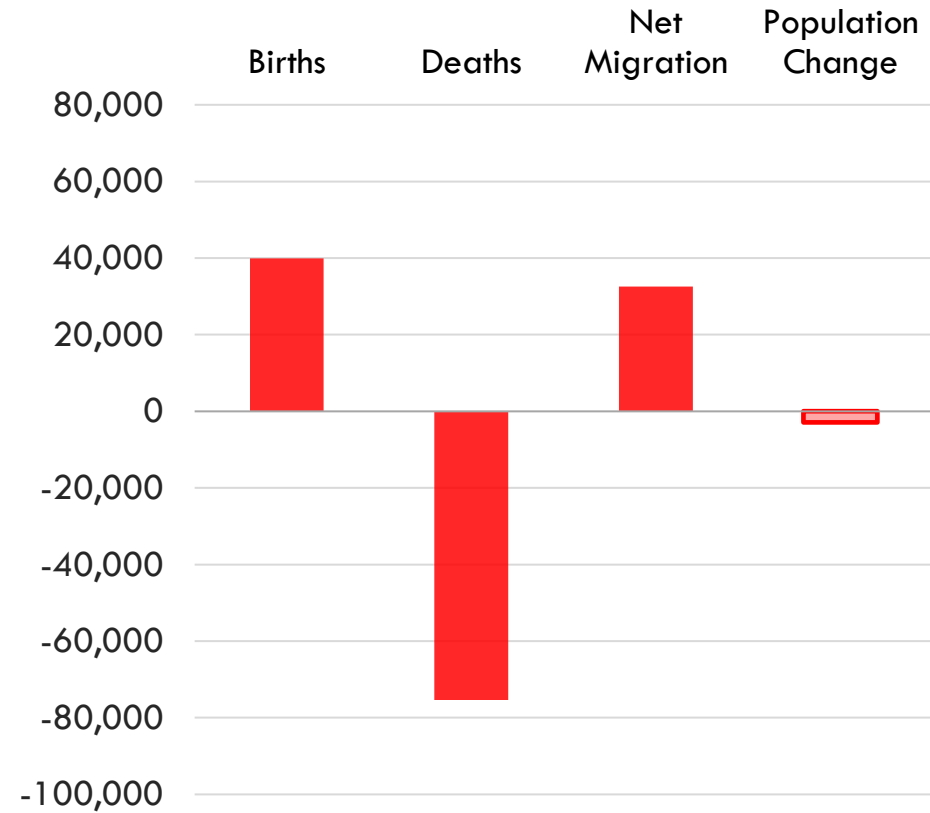
New Hampshire
(2045-2050)



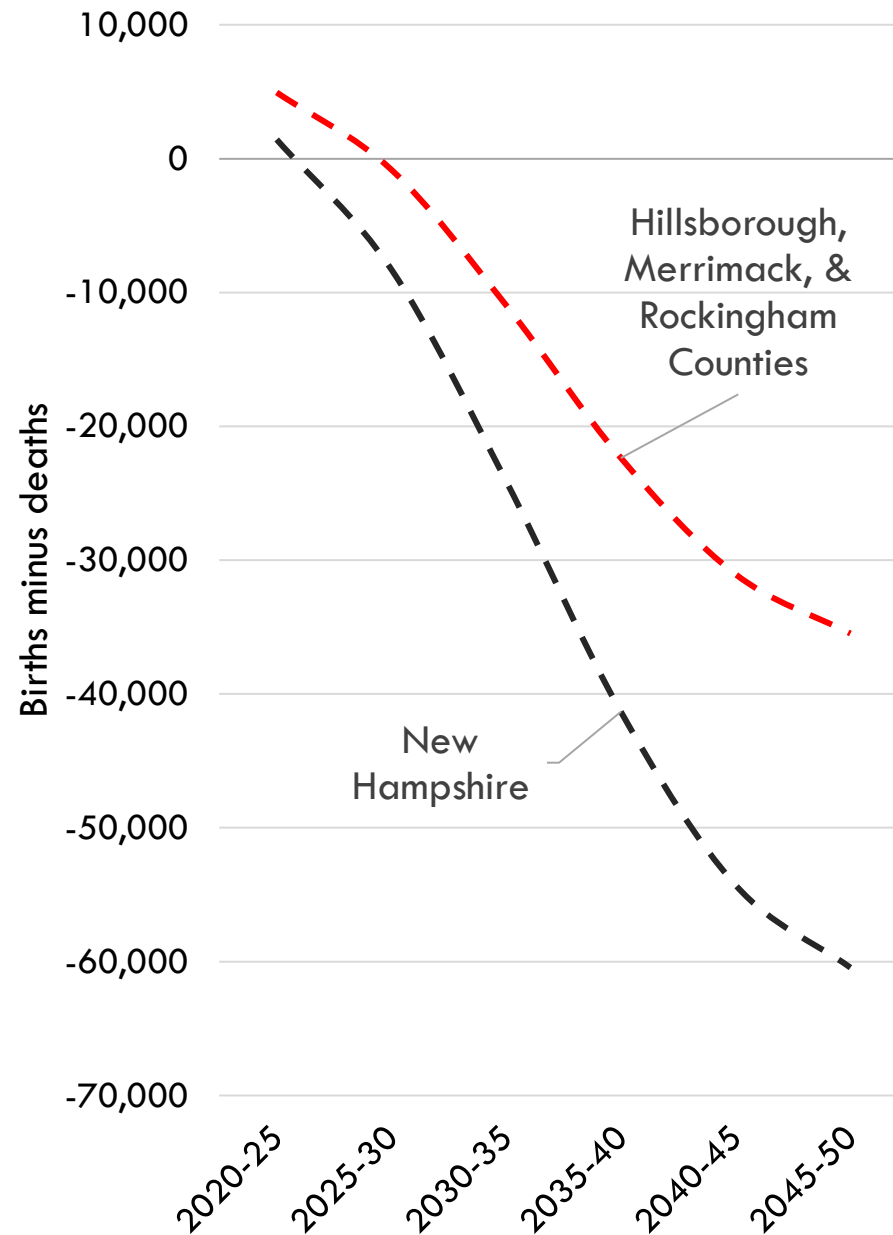
Hillsboro, Merrimack, & Rockingham
(2020-2025)



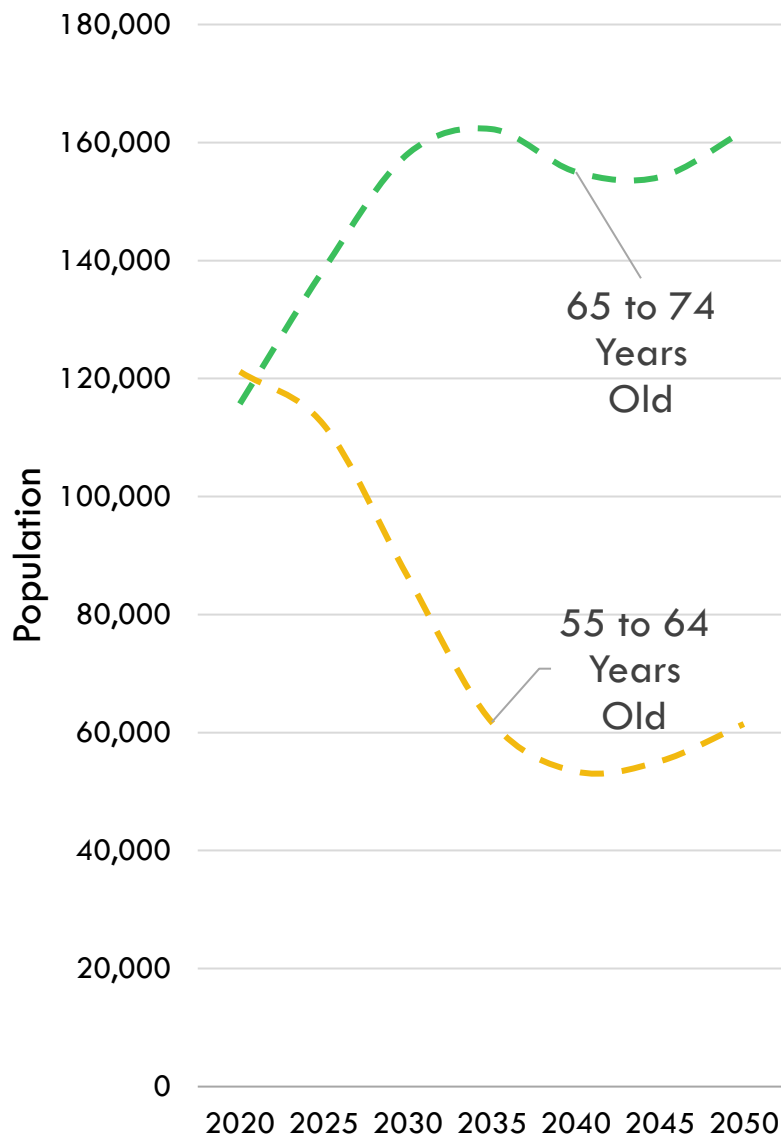
Hillsboro, Merrimack, & Rockingham
(2045-2050)



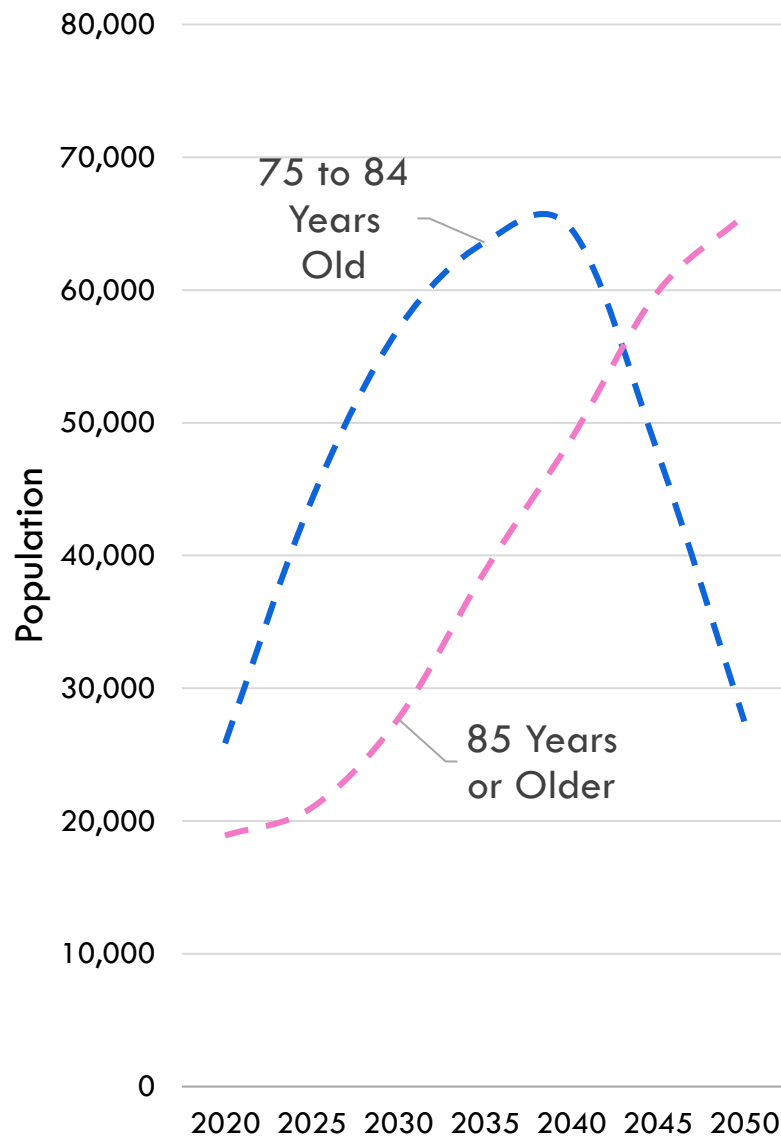
Projected Natural Population Increase



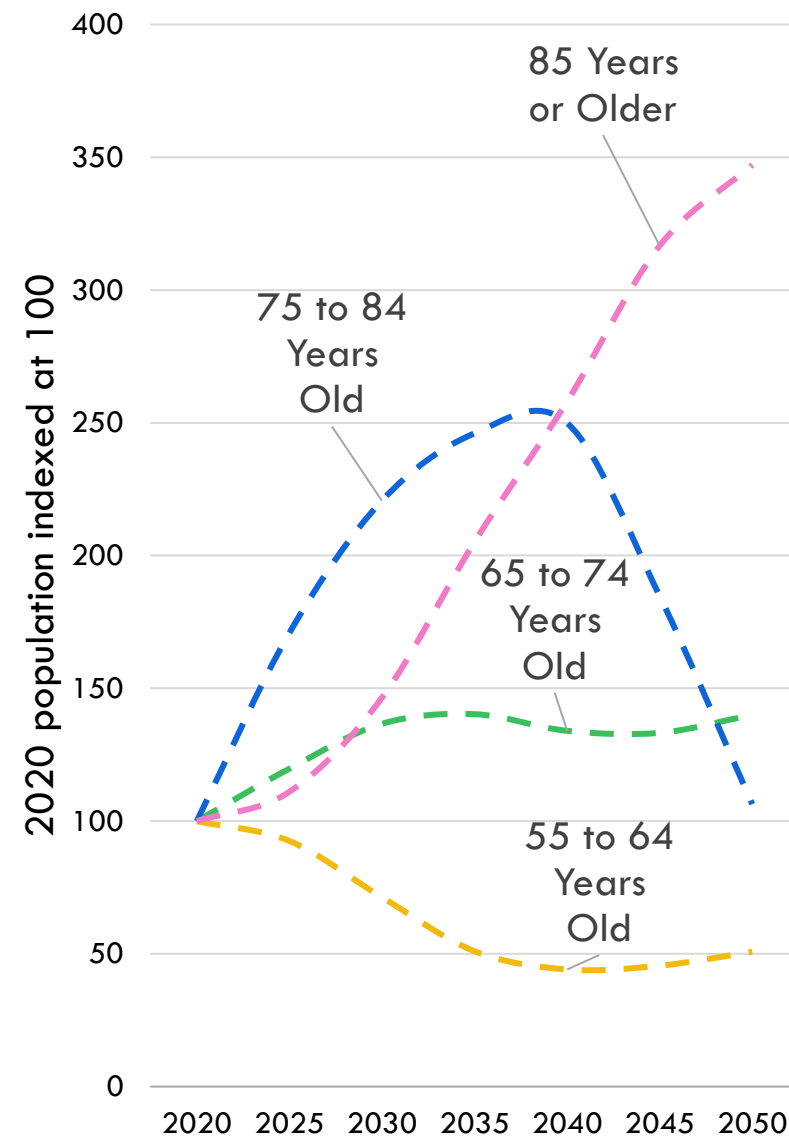
Selected Ages in Hillsborough,
Merrimack, & Rockingham
Counties



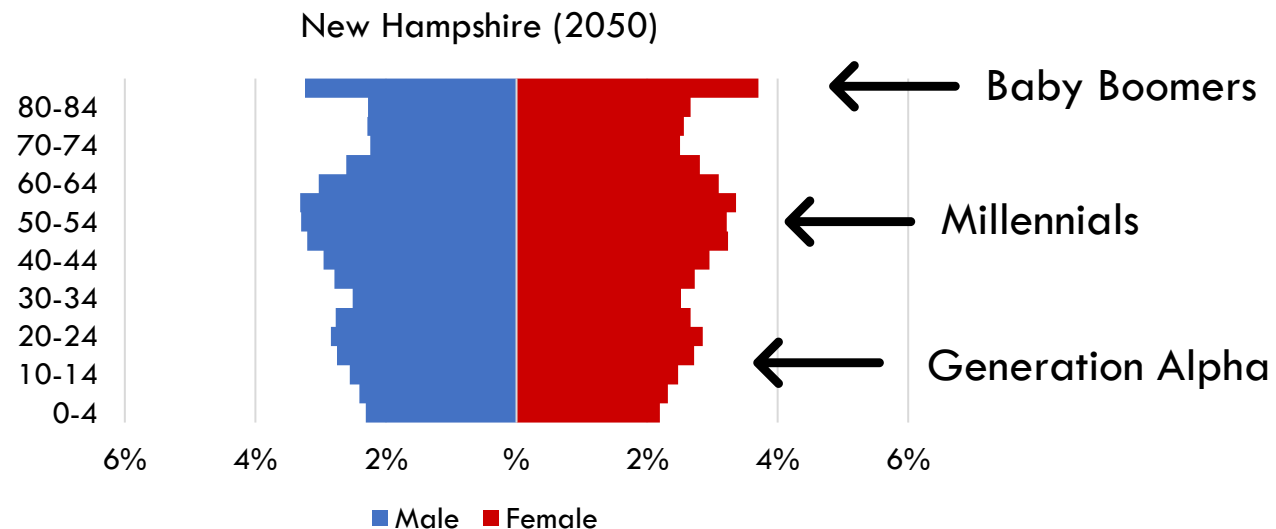
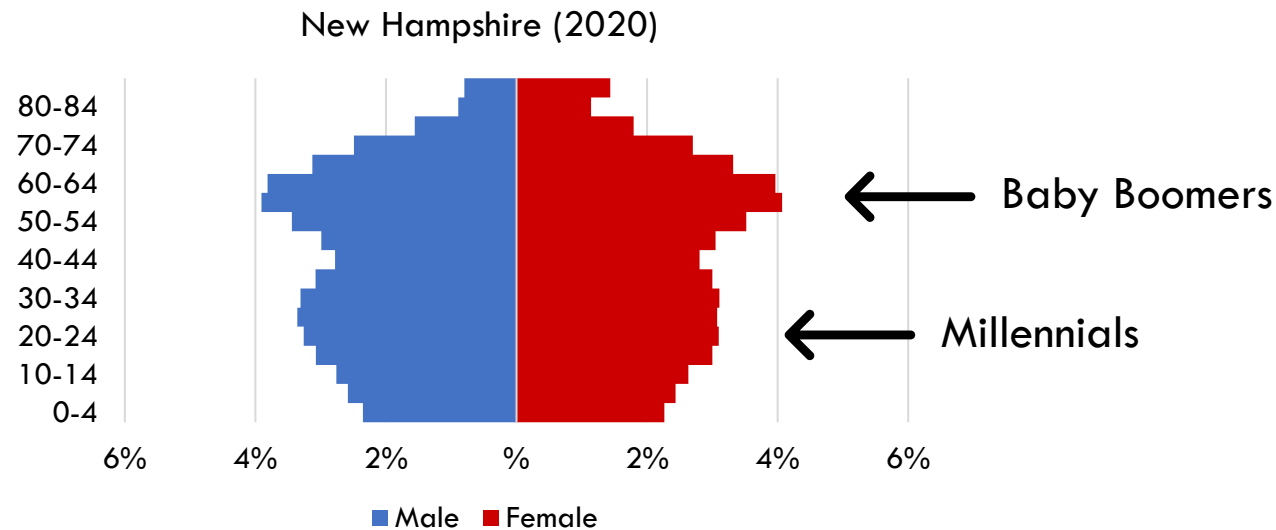
Selected Ages in Hillsborough,
Merrimack, & Rockingham
Counties



Selected Ages in Hillsborough,
Merrimack, & Rockingham
Counties



The “silver tsunami” is followed by...

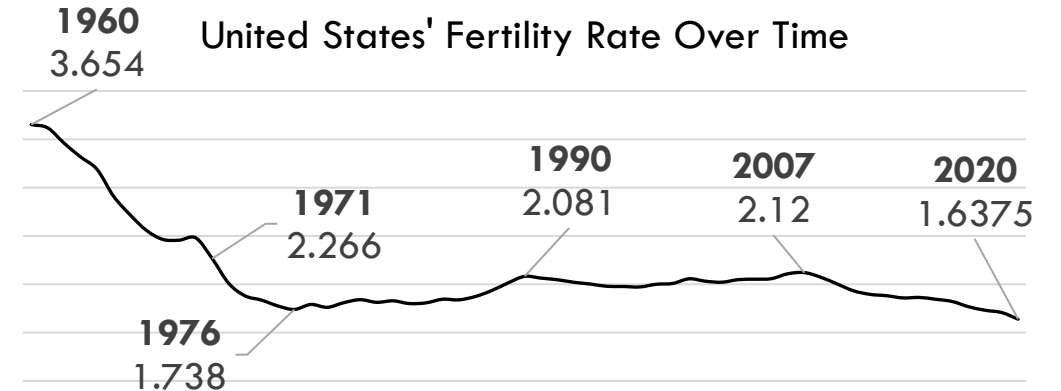


Total Fertility Rate (TFR)

A statistical abstraction representing the average number children a woman will have over her lifetime. A typical replacement rate (births equal deaths) for developed countries is 2.1.

Projected TFR by County

Belknap	1.68
Carroll	1.60
Cheshire	1.54
Coos	1.75
Grafton	1.75
Hillsborough	1.69
Merrimack	1.96
Rockingham	1.32
Strafford	1.70
Sullivan	1.73

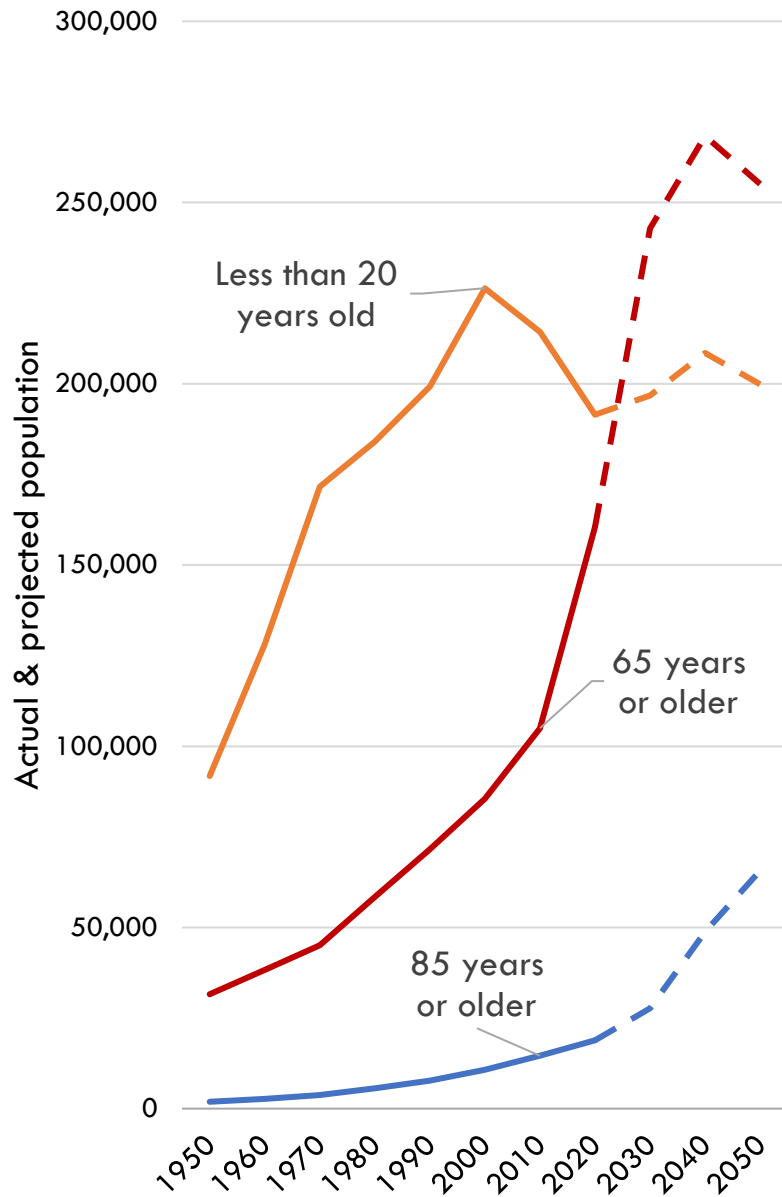


[St. Louis FED, 2022](#)

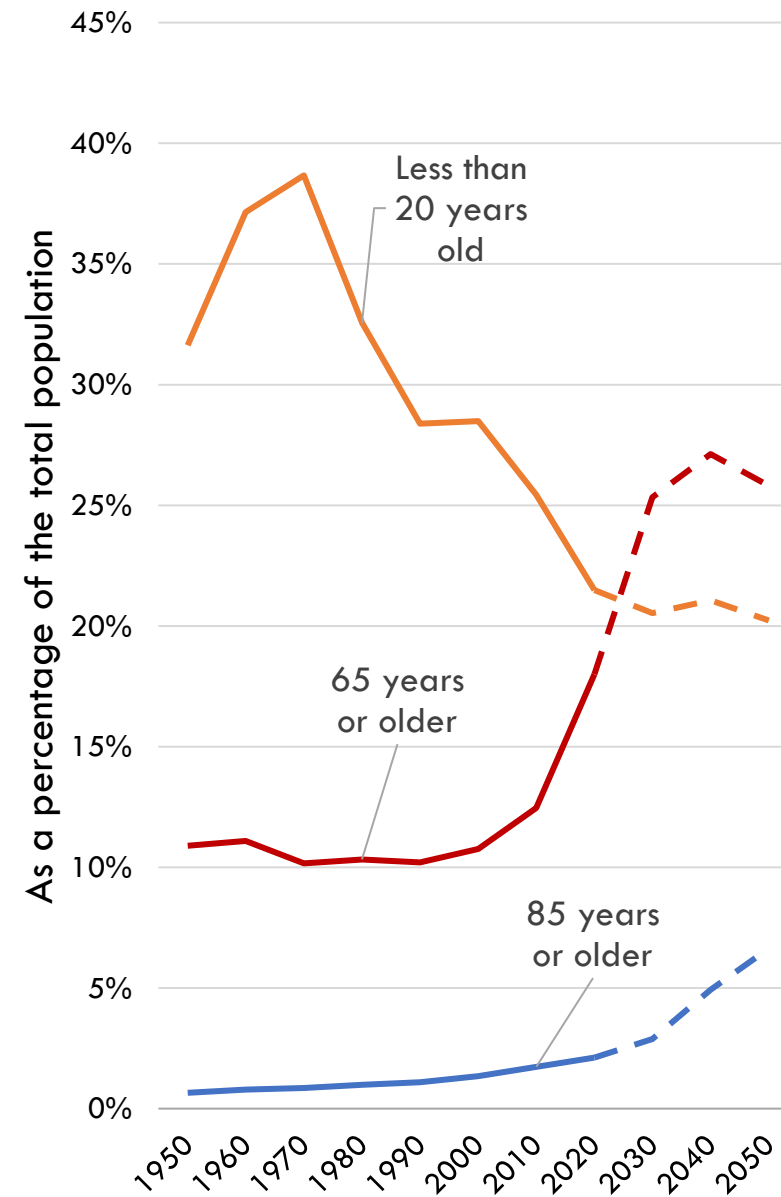
D.R. Congo	6.2	Turkey	1.9
Nigeria	5.2	France	1.8
Ethiopia	4.1	Australia	1.6
Pakistan	3.7	United Kingdom	1.6
Yemen	3.6	United States	1.6
Israel	2.9	Canada	1.5
Egypt	2.7	Germany	1.5
Philippines	2.5	Russia	1.5
South Africa	2.3	China	1.3
India	2.2	Japan	1.3
Indonesia	2.1	Italy	1.2
Mexico	2.1	South Korea	0.8

[Population Reference Bureau, 2022](#)

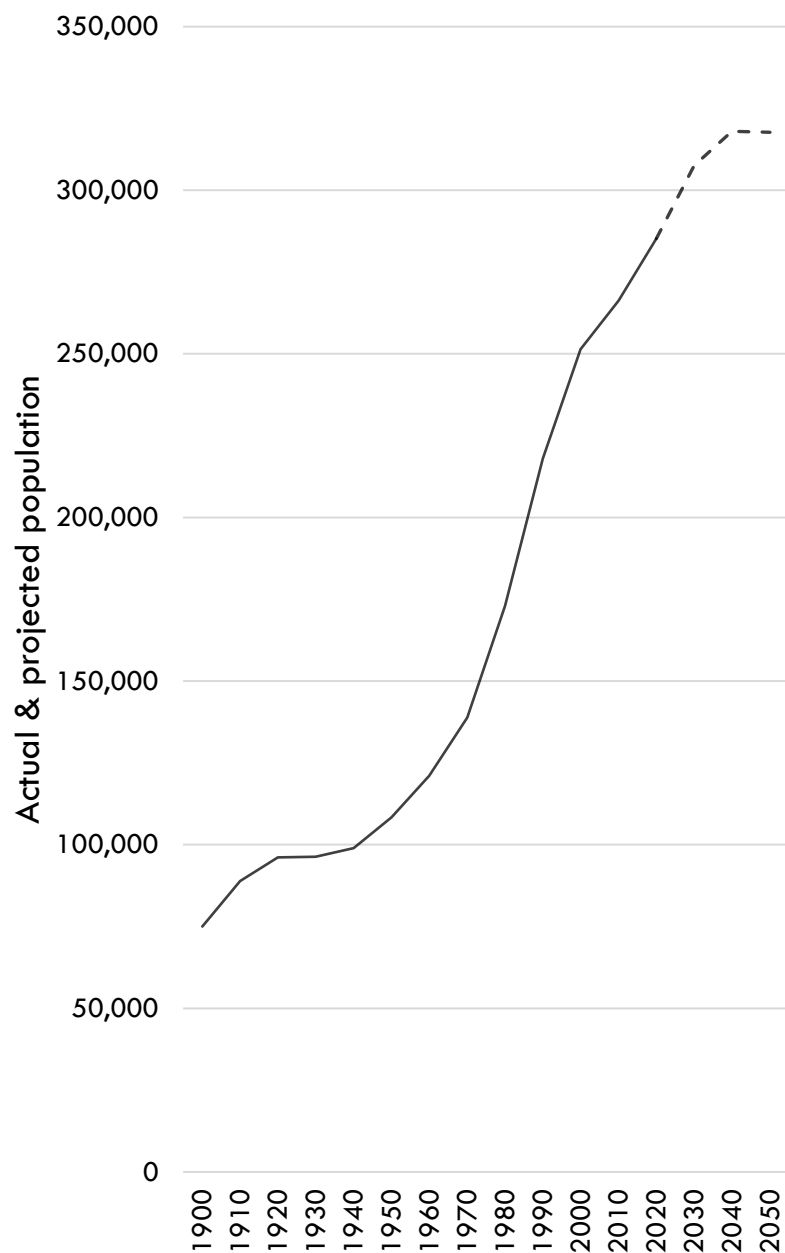
Selected Ages in Hillsborough,
Merrimack, & Rockingham Counties



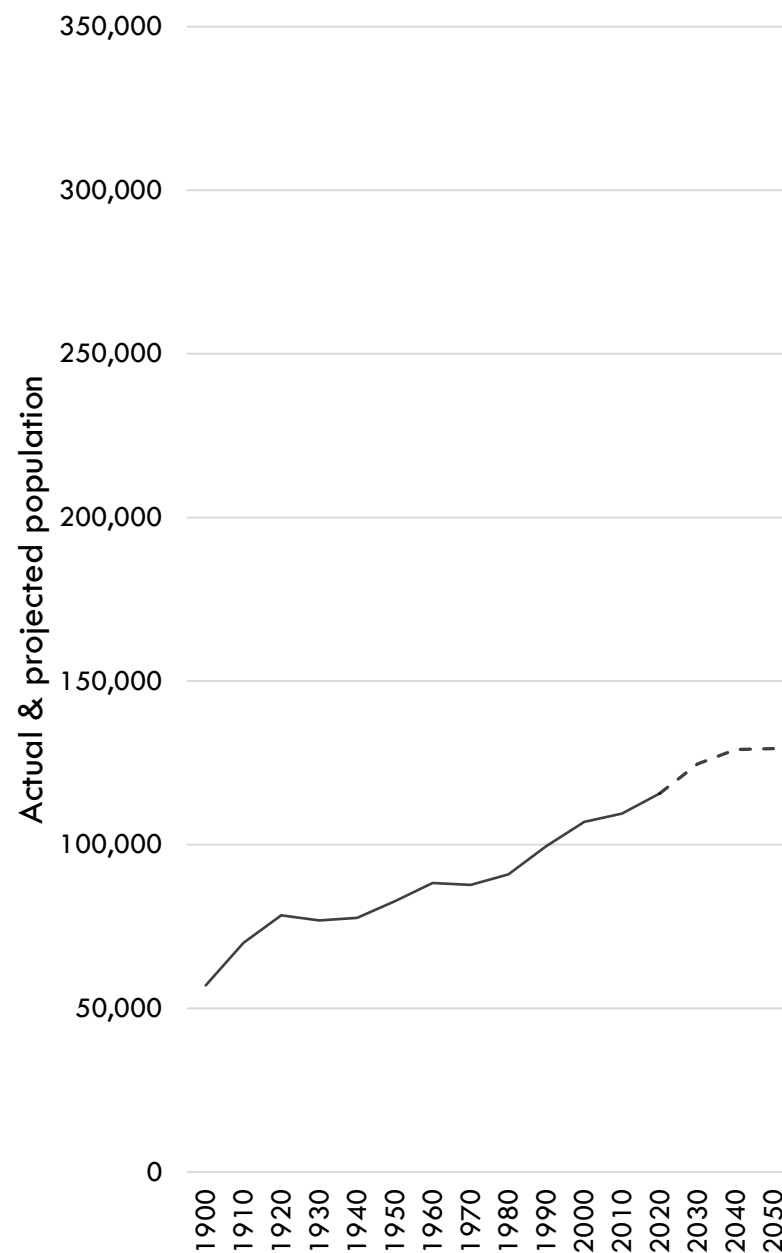
Selected Ages in Hillsborough,
Merrimack, & Rockingham Counties



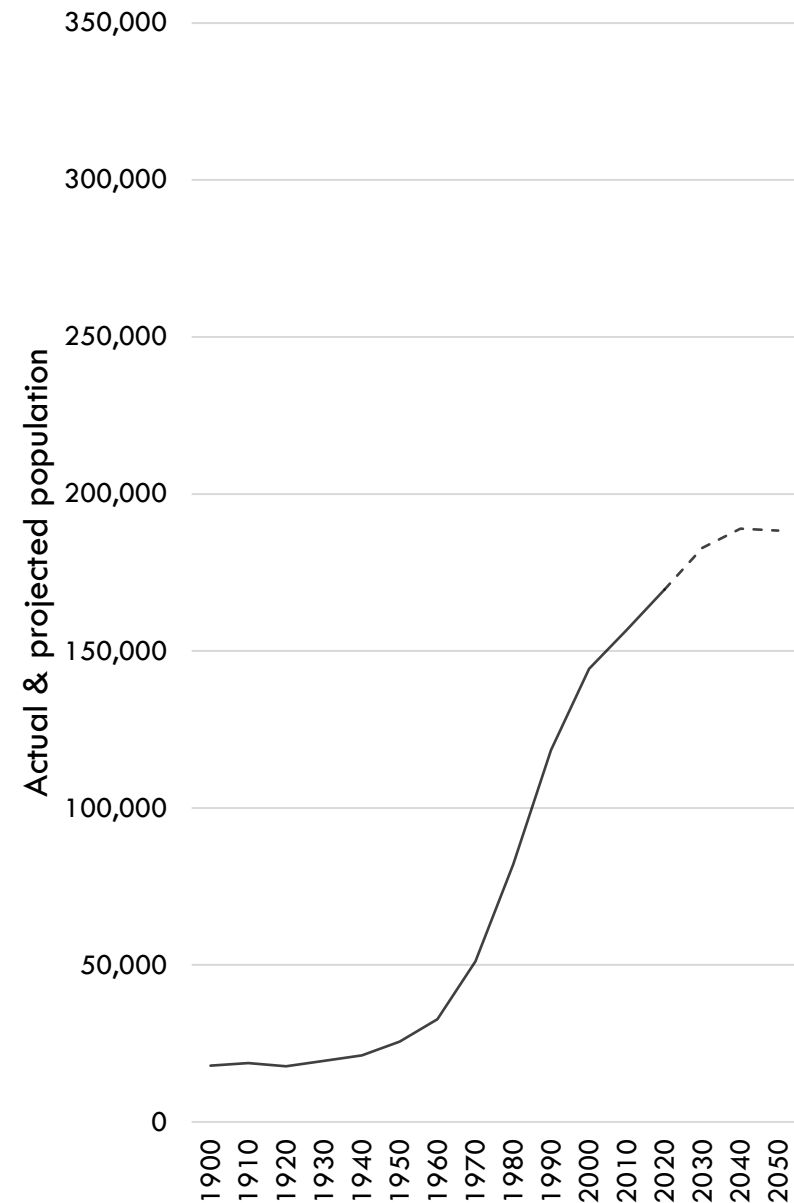
SNHPC's Population



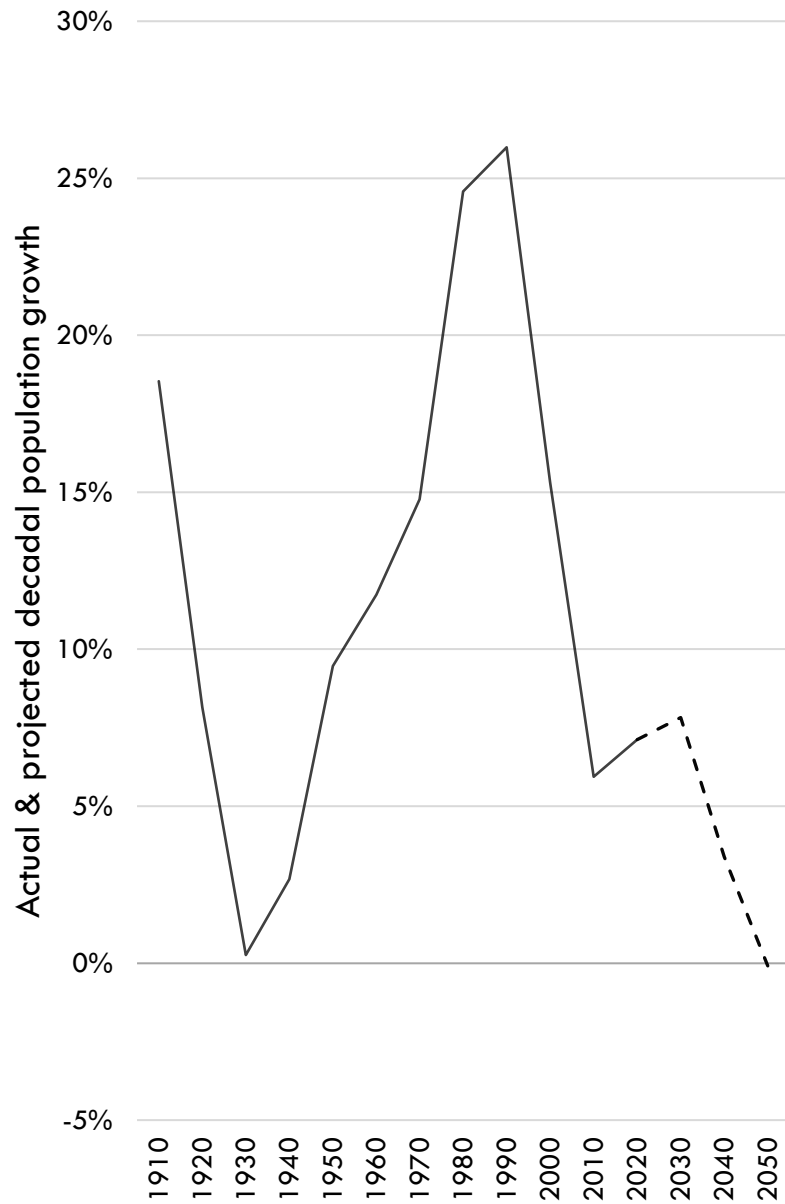
Manchester's Population



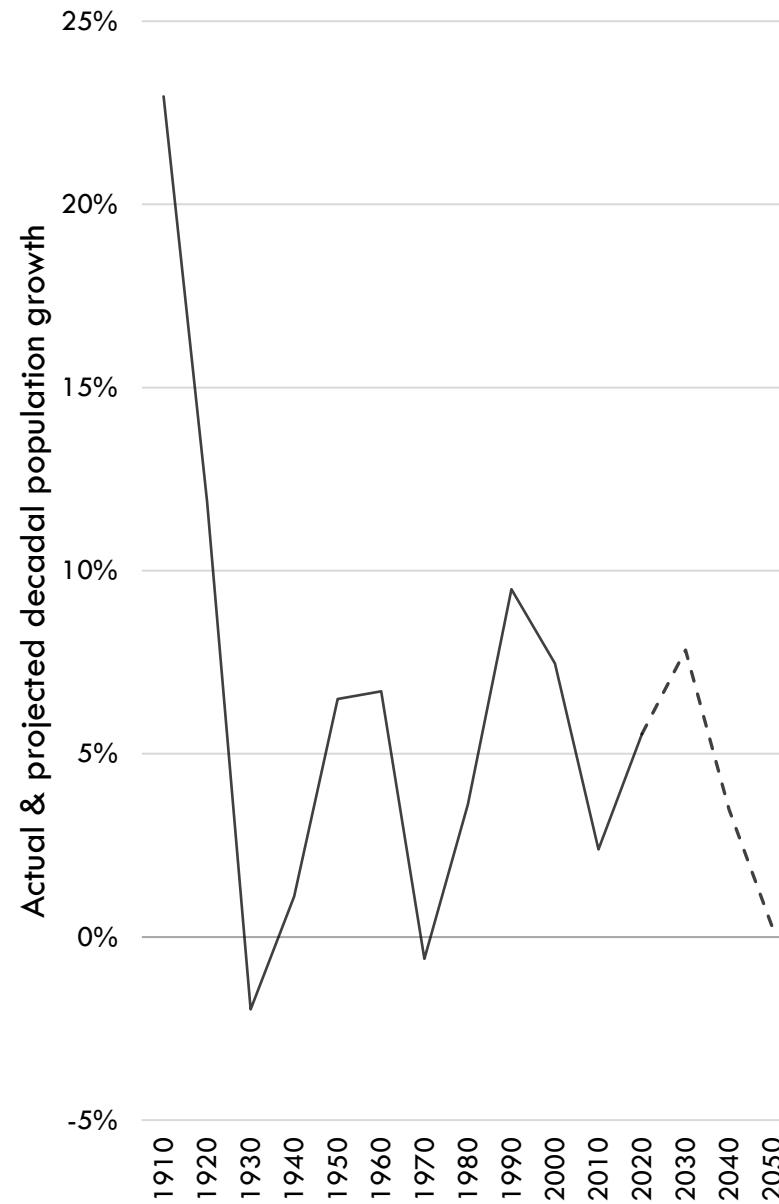
SNHPC excluding Manchester's Population



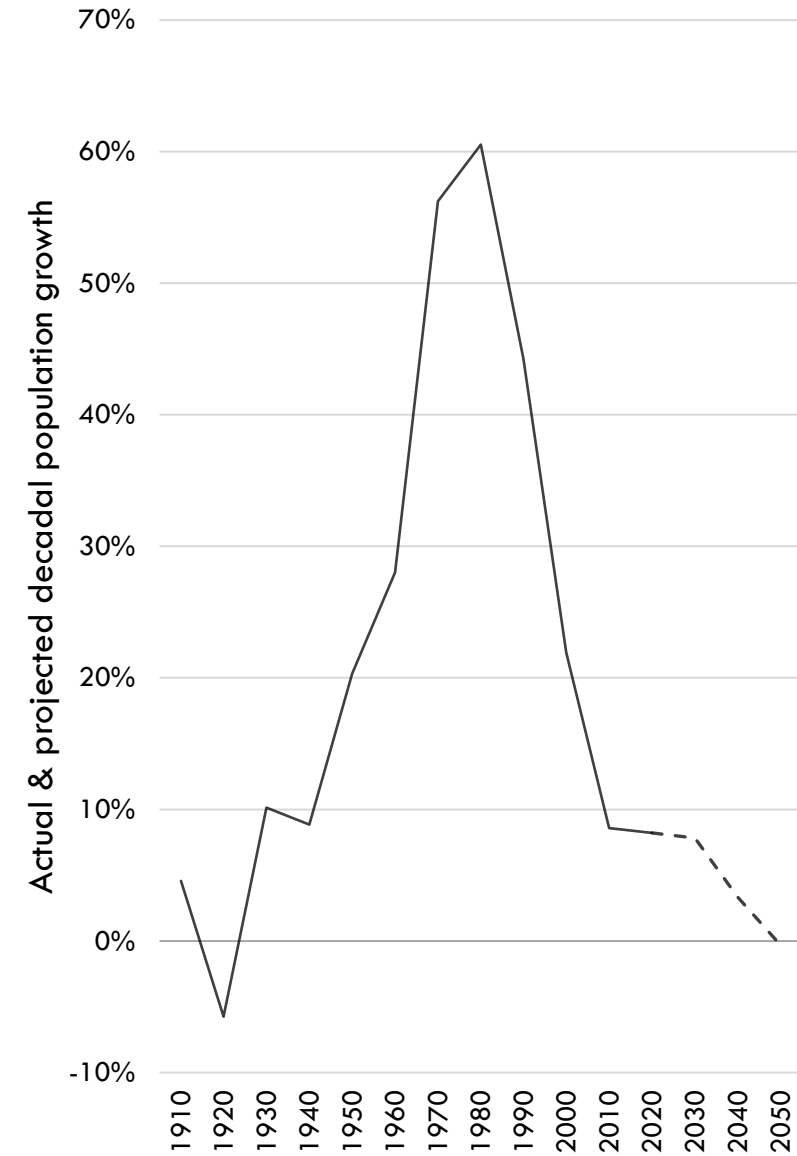
SNHPC's Population
Growth Rate Over Time



Manchester's Population
Growth Rate Over Time



SNHPC Excluding Manchester's
Population
Growth Rate Over Time

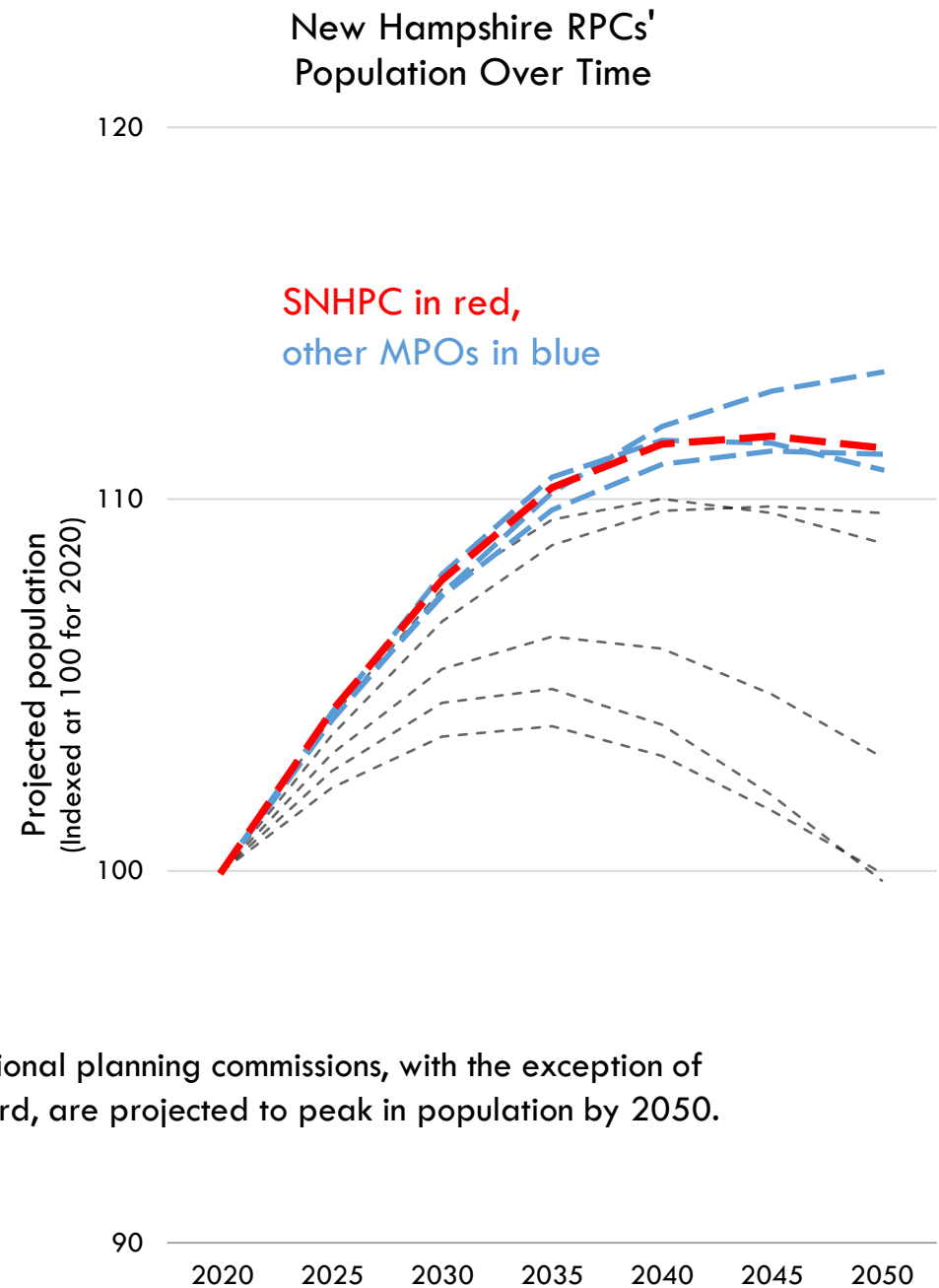
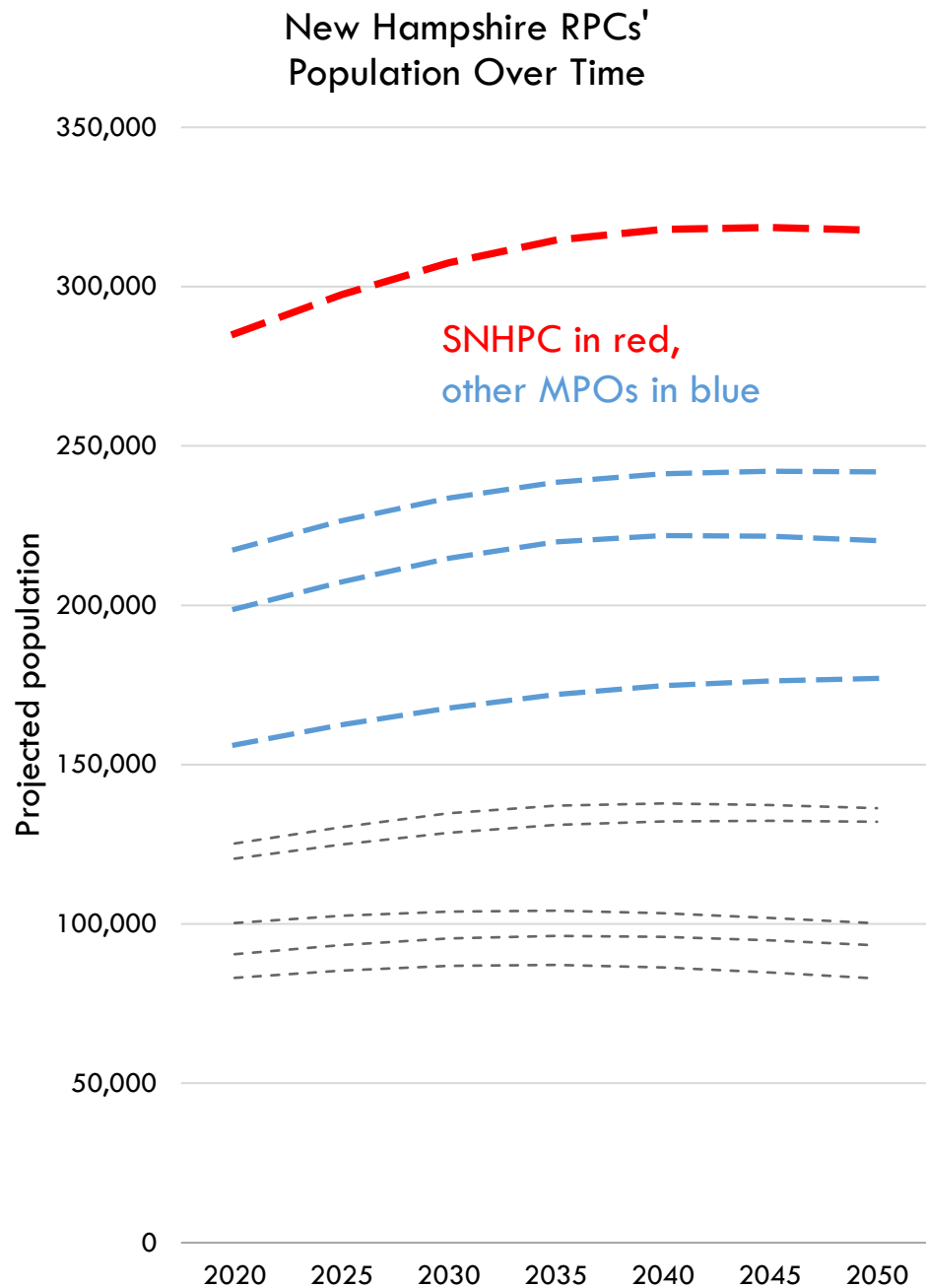


	Population								
	1910	1960	1980	2000	2010	2020	2030	2040	2050
Auburn	640	1,290	2,880	4,680	4,950	5,950	6,400	6,610	6,560
Bedford	1,110	3,640	9,480	18,270	21,200	23,320	25,150	26,030	26,100
Candia	990	1,490	2,990	3,910	3,910	4,010	4,330	4,480	4,450
Chester	820	1,050	2,010	3,790	4,770	5,230	5,620	5,800	5,760
Deerfield	920	710	1,980	3,680	4,280	4,860	5,230	5,400	5,360
Derry	5,120	6,990	18,880	34,020	33,110	34,320	37,230	38,550	38,260
Francestown	600	500	830	1,480	1,560	1,610	1,730	1,790	1,790
Goffstown	2,580	7,230	11,320	16,930	17,650	18,580	20,060	20,760	20,820
Hooksett	1,530	3,710	7,300	11,720	13,450	14,870	15,900	16,350	16,340
Londonderry	1,530	2,460	13,600	23,240	24,130	25,830	27,940	28,890	28,680
Manchester	70,060	88,280	90,940	107,010	109,570	115,640	124,700	129,040	129,370
New Boston	980	930	1,930	4,140	5,320	6,110	6,540	6,740	6,760
Weare	1,330	1,420	3,230	7,780	8,790	9,090	9,750	10,060	10,080
Windham	660	1,320	5,660	10,710	13,590	15,820	16,950	17,470	17,350
SNHPC	88,870	121,010	173,020	251,350	266,280	285,230	307,540	317,980	317,690
SNHPC excluding Manchester	18,800	32,730	82,080	144,350	156,710	169,590	182,840	188,930	188,320

	Decade of Fastest Growth in 20th Century	
Auburn	1960s	58%
Bedford	1950s	67%
Candia	1970s	50%
Chester	1970s	45%
Deerfield	1970s	68%
Derry	1960s	68%
Franeestown	1970s	58%
Goffstown	1920s	61%
Hooksett	1960s	50%
Londonderry	1970s	154%
Manchester	1900s	23%
New Boston	1980s	67%
Weare	1980s	92%
Windham	1960s	128%
SNHPC	1980s	26%
SNHPC excluding Manchester	1970s	61%

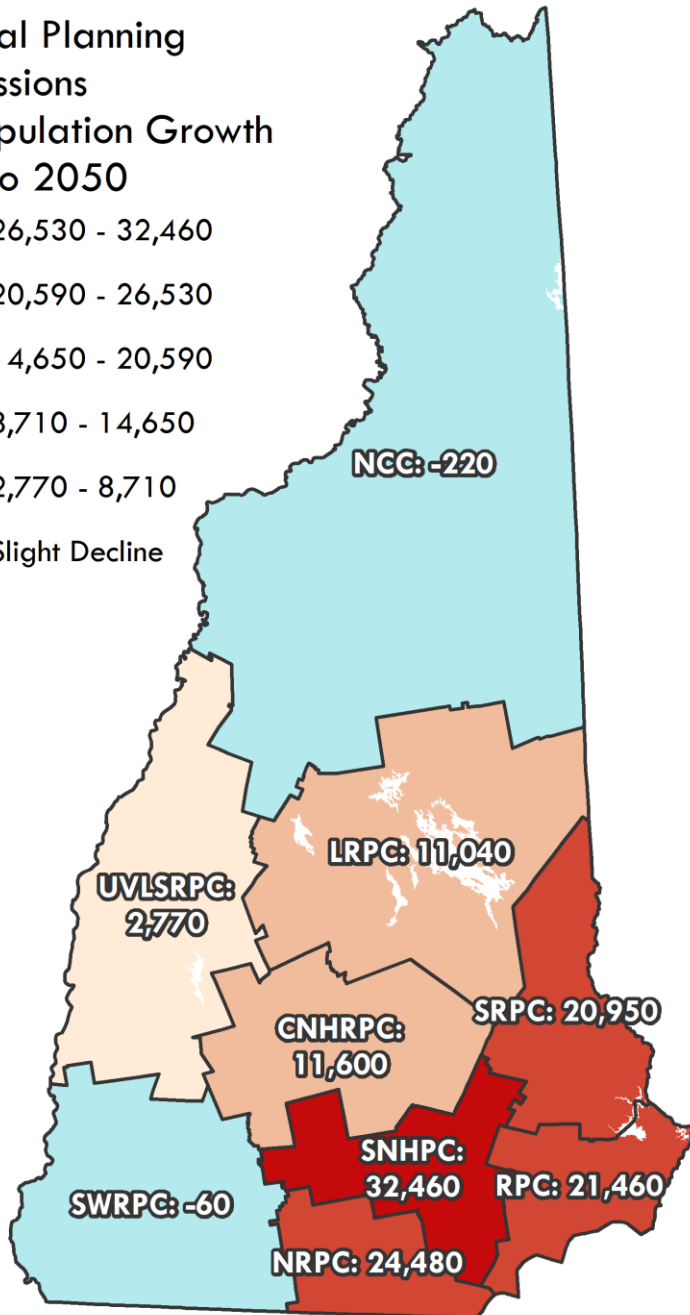
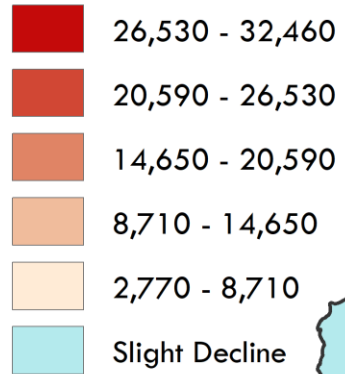
	Population					
	2000	2010	2020	2030	2040	2050
Auburn	4,680	4,950	5,950	6,400	6,610	6,560
Bedford	18,270	21,200	23,320	25,150	26,030	26,100
Candia	3,910	3,910	4,010	4,330	4,480	4,450
Chester	3,790	4,770	5,230	5,620	5,800	5,760
Deerfield	3,680	4,280	4,860	5,230	5,400	5,360
Derry	34,020	33,110	34,320	37,230	38,550	38,260
Francestown	1,480	1,560	1,610	1,730	1,790	1,790
Goffstown	16,930	17,650	18,580	20,060	20,760	20,820
Hooksett	11,720	13,450	14,870	15,900	16,350	16,340
Londonderry	23,240	24,130	25,830	27,940	28,890	28,680
Manchester	107,010	109,570	115,640	124,700	129,040	129,370
New Boston	4,140	5,320	6,110	6,540	6,740	6,760
Weare	7,780	8,790	9,090	9,750	10,060	10,080
Windham	10,710	13,590	15,820	16,950	17,470	17,350
SNHPC	251,350	266,280	285,230	307,540	317,980	317,690
SNHPC excluding Manchester	144,350	156,710	169,590	182,840	188,930	188,320

	Population Growth					
	1990-00	2000-10	2010-20	2020-30	2030-40	2040-50
Auburn	15%	6%	20%	8%	3%	-1%
Bedford	45%	16%	10%	8%	3%	0%
Candia	10%	0%	3%	8%	3%	-1%
Chester	41%	26%	10%	8%	3%	-1%
Deerfield	18%	16%	13%	8%	3%	-1%
Derry	15%	-3%	4%	8%	4%	-1%
Francestown	22%	6%	3%	8%	3%	0%
Goffstown	16%	4%	5%	8%	4%	0%
Hooksett	34%	15%	11%	7%	3%	0%
Londonderry	17%	4%	7%	8%	3%	-1%
Manchester	7%	2%	6%	8%	3%	0%
New Boston	29%	29%	15%	7%	3%	0%
Weare	26%	13%	3%	7%	3%	0%
Windham	19%	27%	16%	7%	3%	-1%
SNHPC	15%	6%	7%	8%	3%	0%
SNHPC excluding Manchester	22%	9%	8%	8%	3%	0%

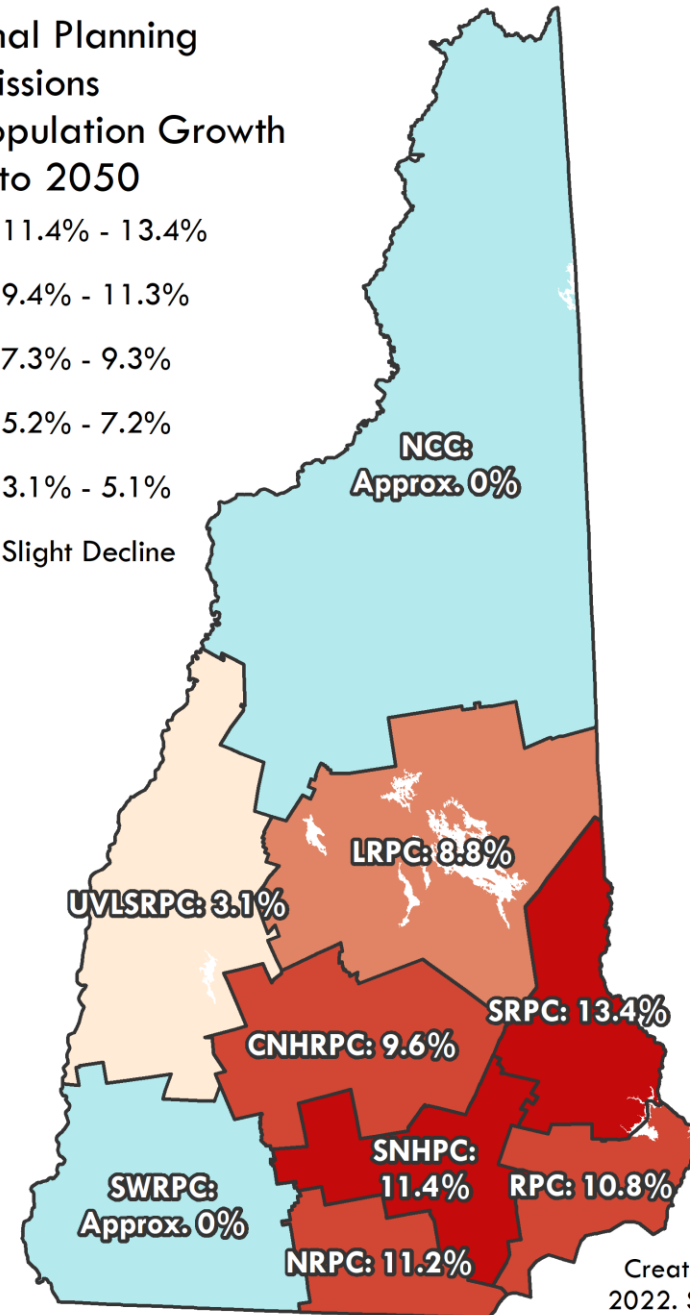
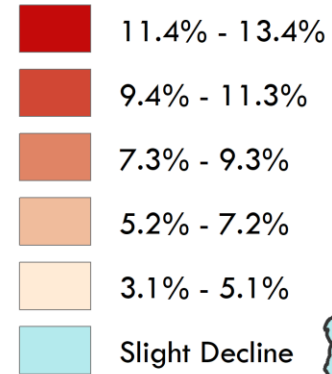


All regional planning commissions, with the exception of Strafford, are projected to peak in population by 2050.

Regional Planning
Commissions
Net Population Growth
2020 to 2050



Regional Planning
Commissions
Net Population Growth
2020 to 2050



Questions?

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603-669-4664



SNHPC