SENIOR STATESMEN
OF VIRGINIA

The Death and Life
of Great Virginia Localities

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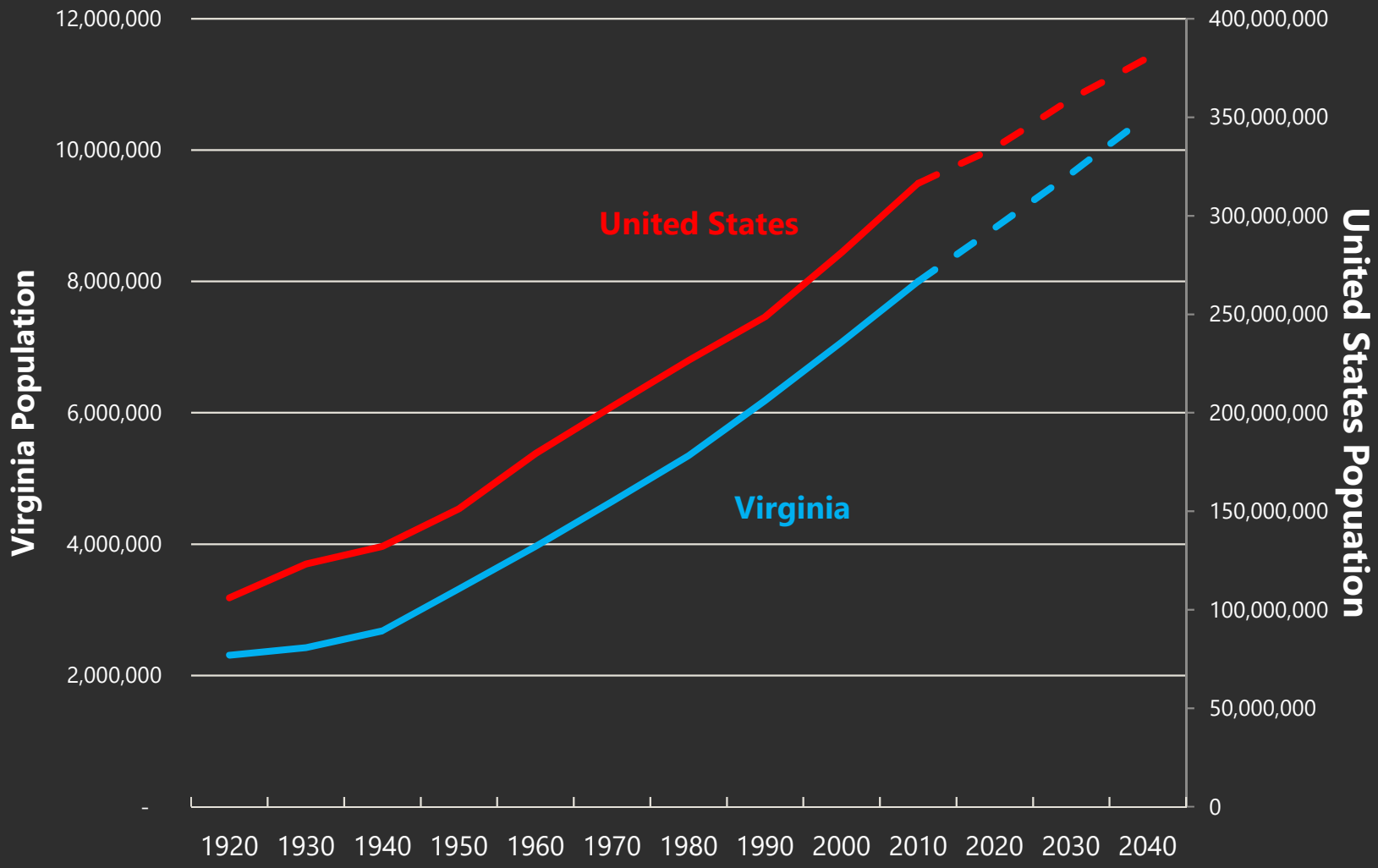
Prepared for:
Demographics Research Group
Weldon Cooper Center for Public Service
University of Virginia

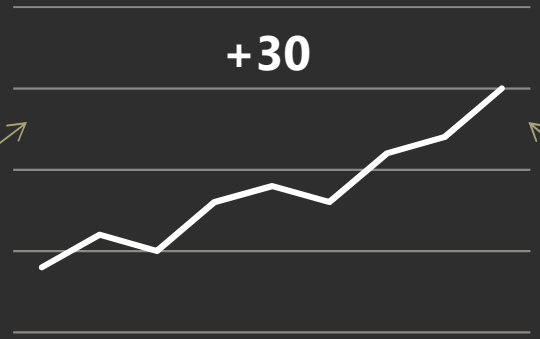
Population growth in the 20th century



“When the tide goes out, you find out who’s been swimming naked.”

~ Warren Buffett

Components of Population Change



Natural Increase

+40

Births

Deaths

100

60

Net Migration

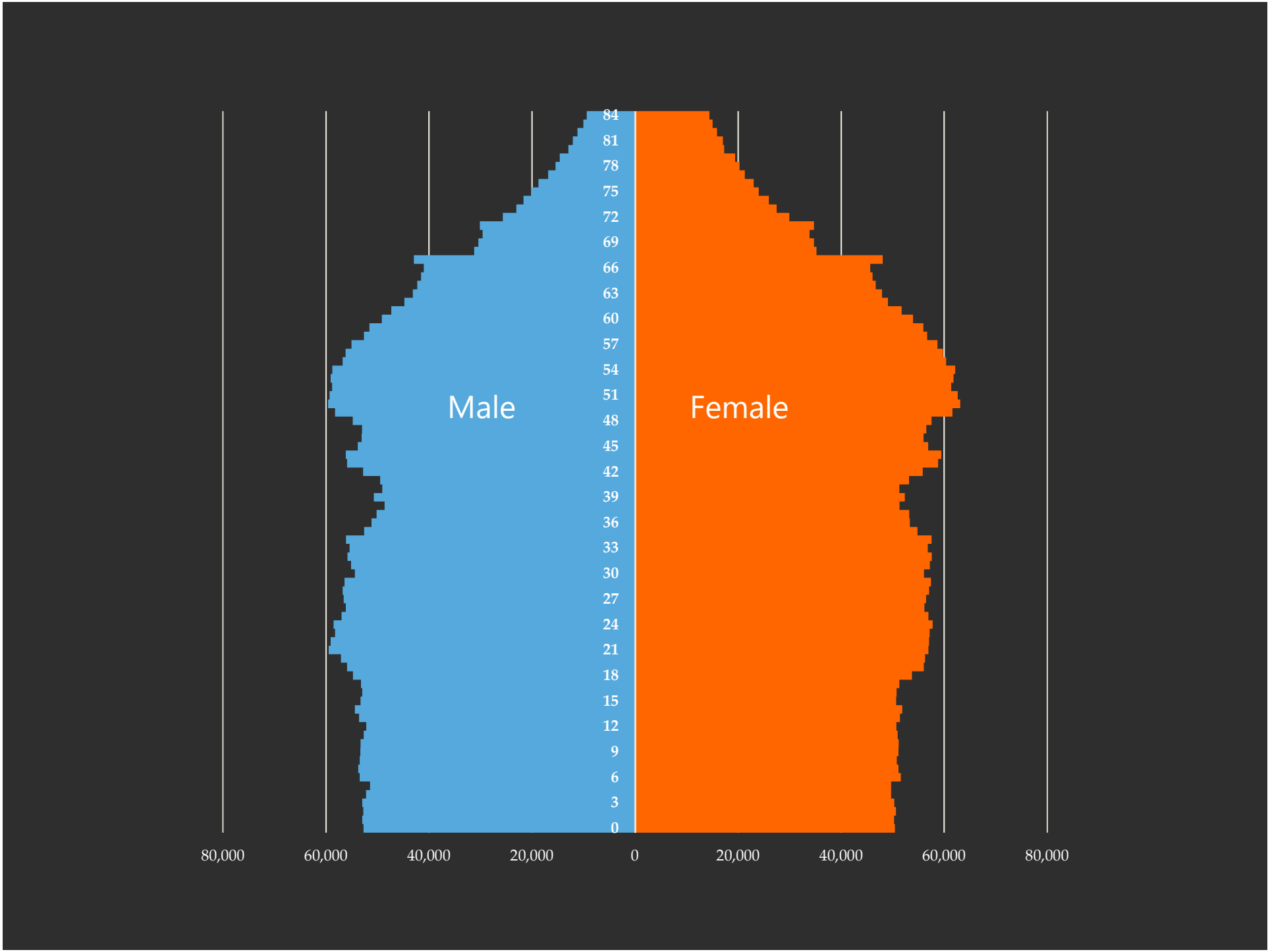
-10

In-migration

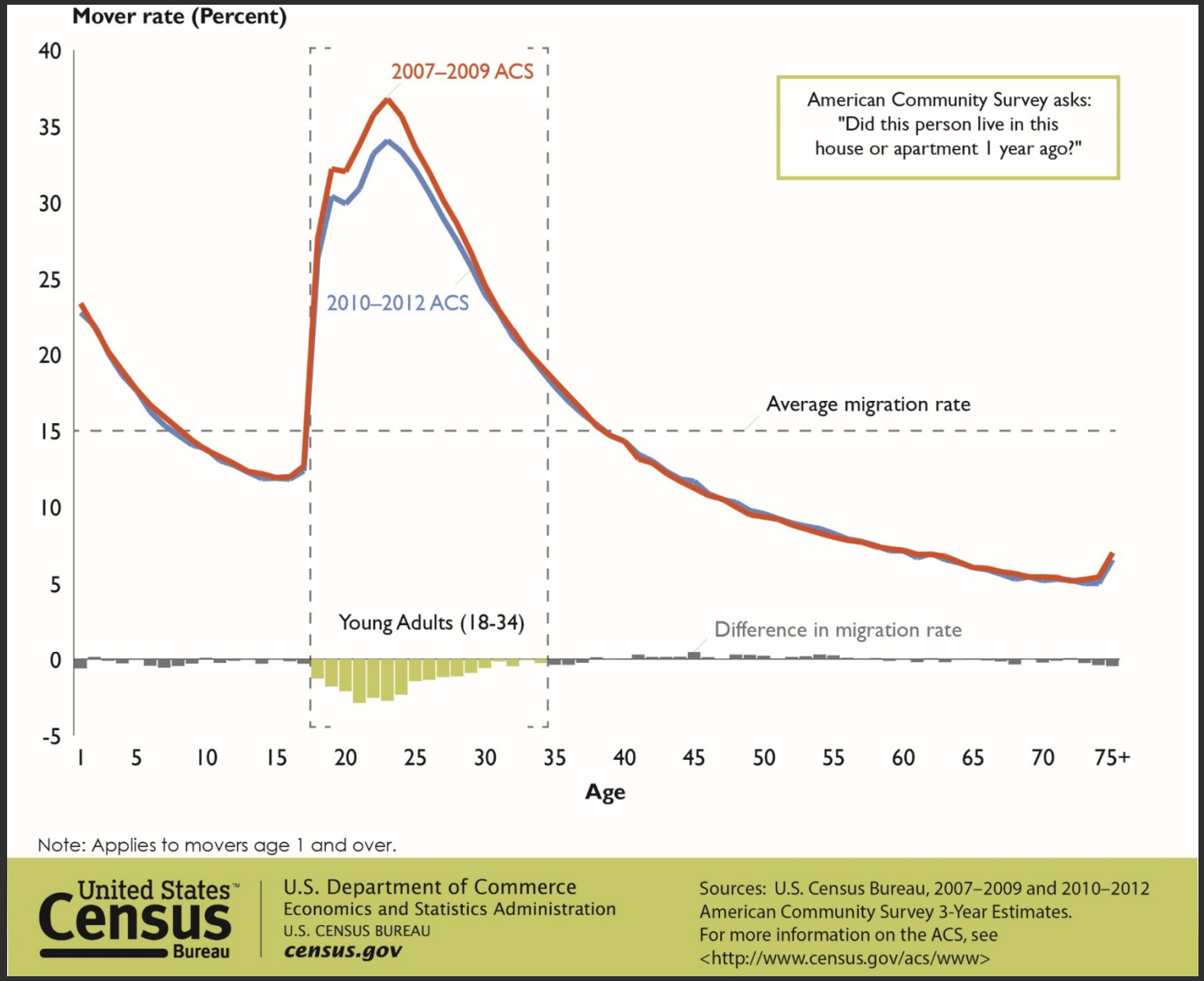
Out-migration

80

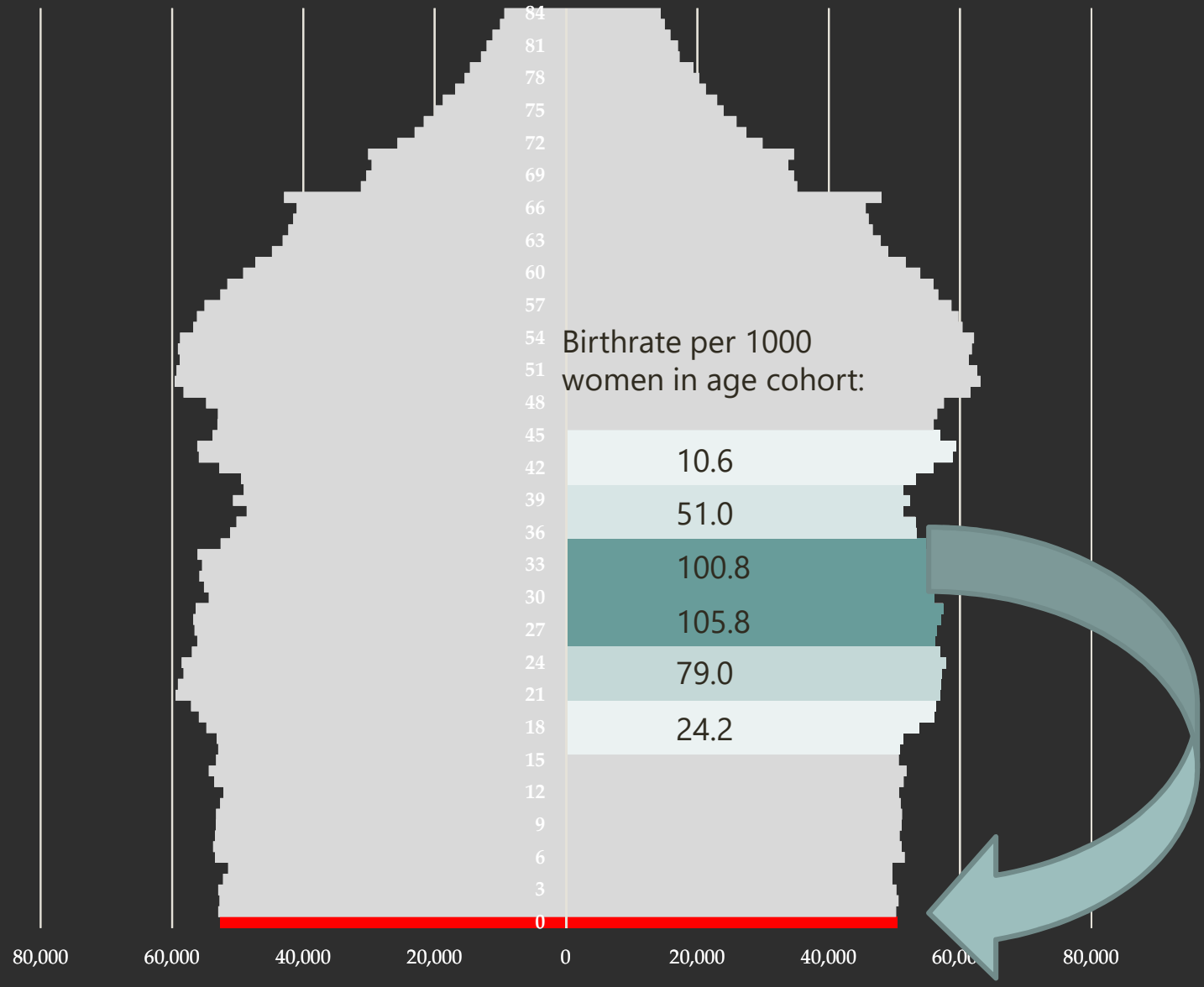
90


Male
Female
84
81
78
75
72
69
66
63
60
57
54
51
48
45
42
39
36
33
30
27
24
21
18
15
12
9
6
3
0
80,000
60,000
40,000
20,000
0
20,000
40,000
60,000
80,000

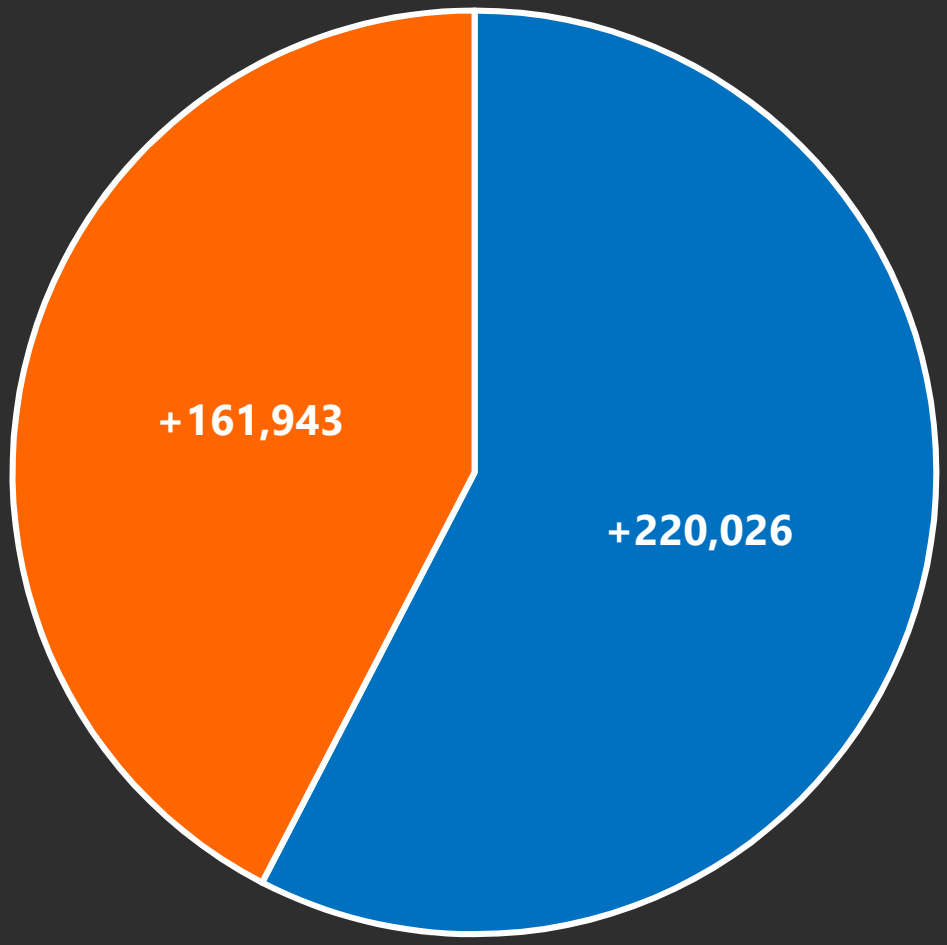
Ability to attract young people matters…



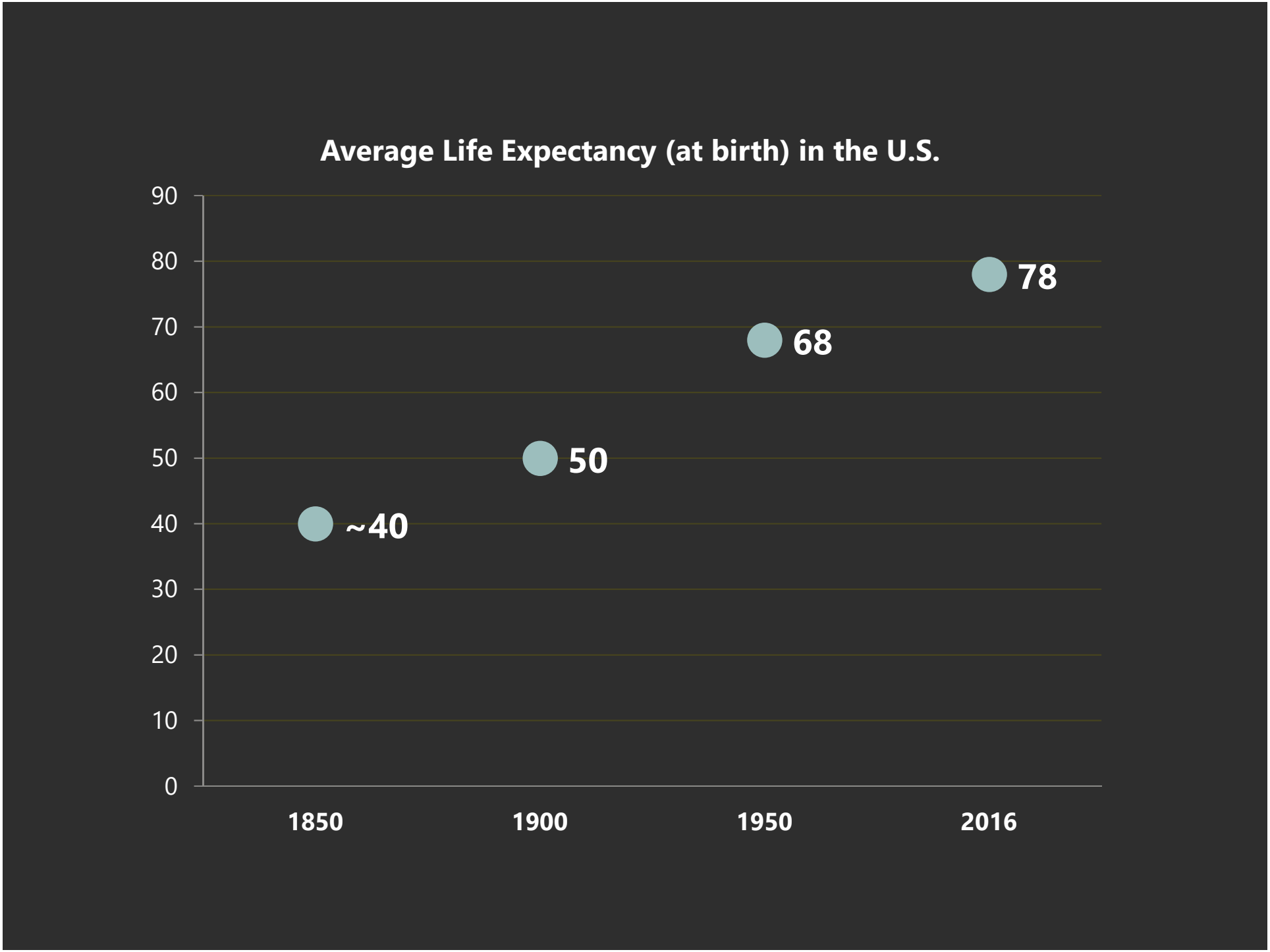
Young adults and births:

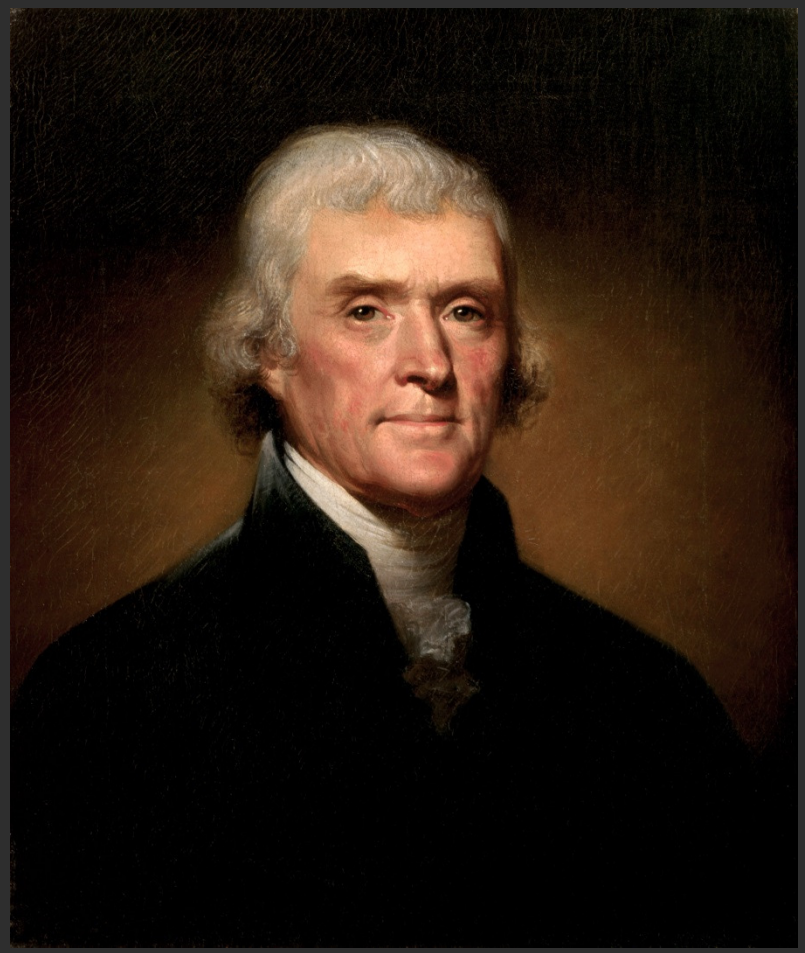


Virginia Population Change: 2010 to 2015

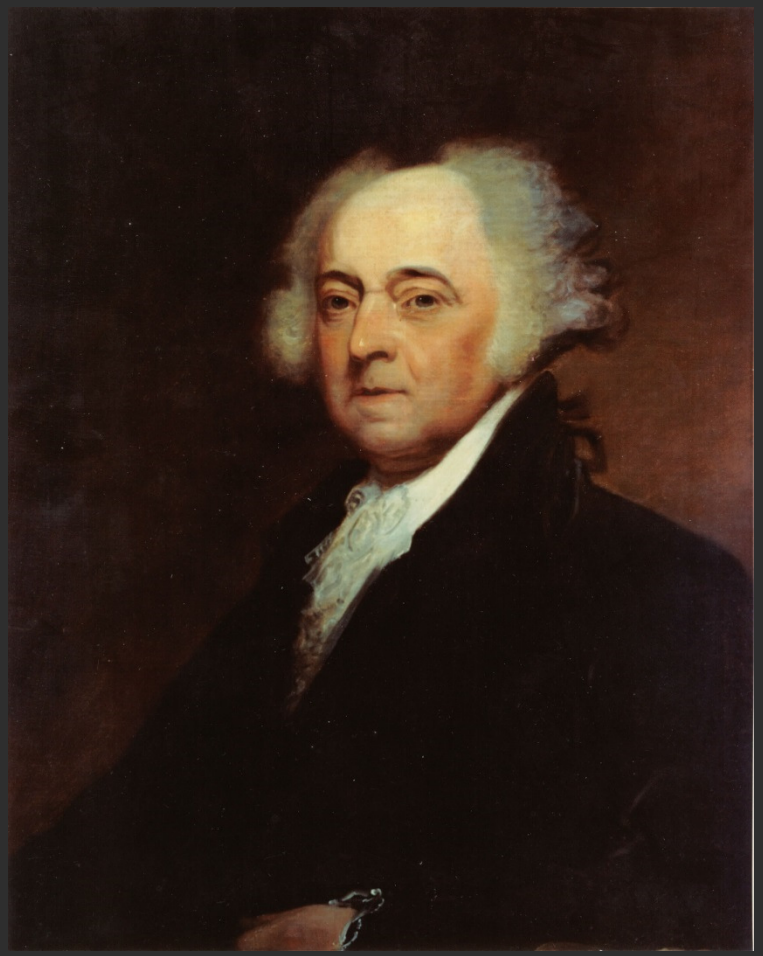


Aging

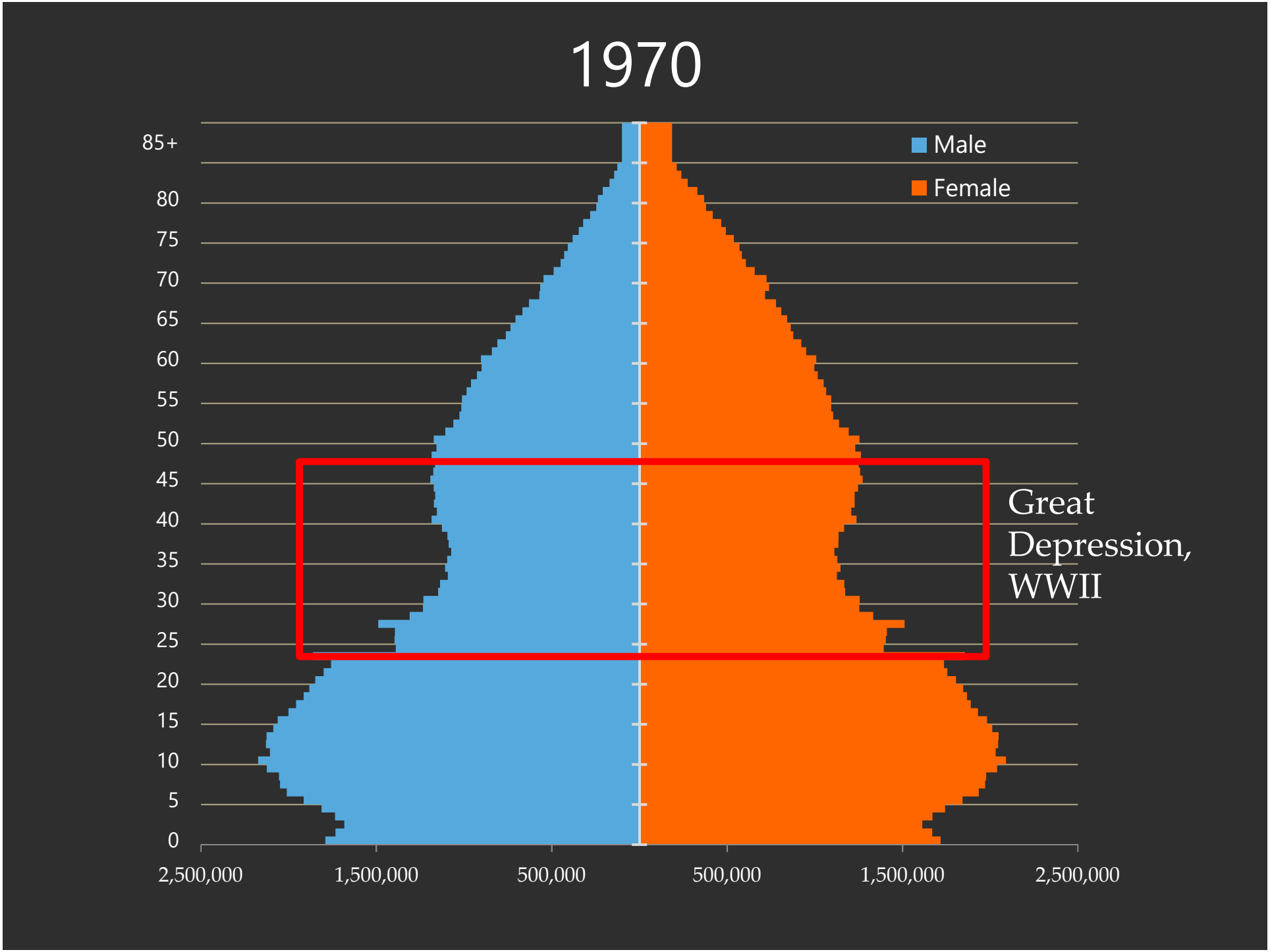

Average Life Expectancy (at birth) in the U.S.
90
80
70
60
50
40
30
20
10
0
~40
50
68
78
1850
1900
1950
2016

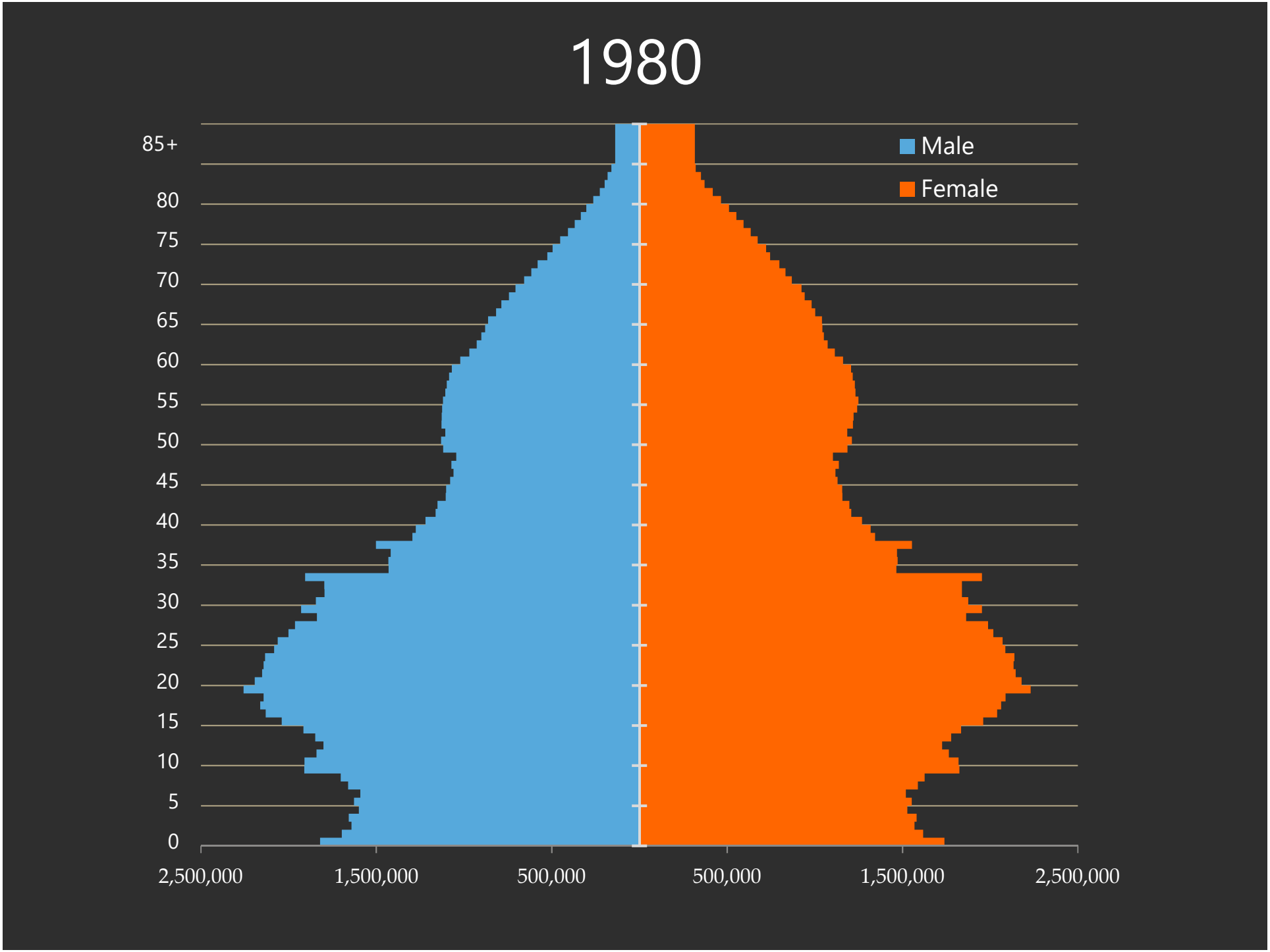


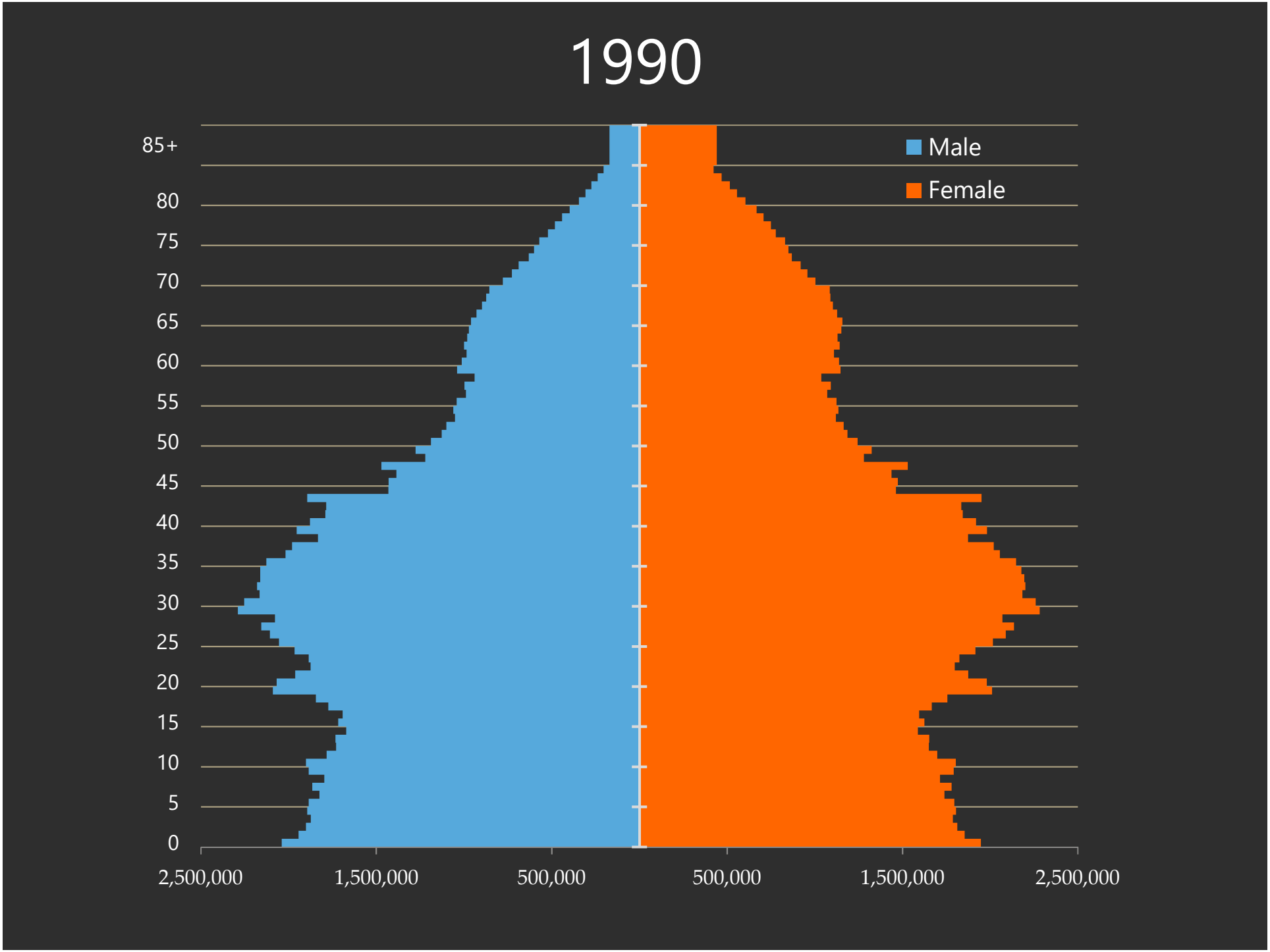
Died at age 83

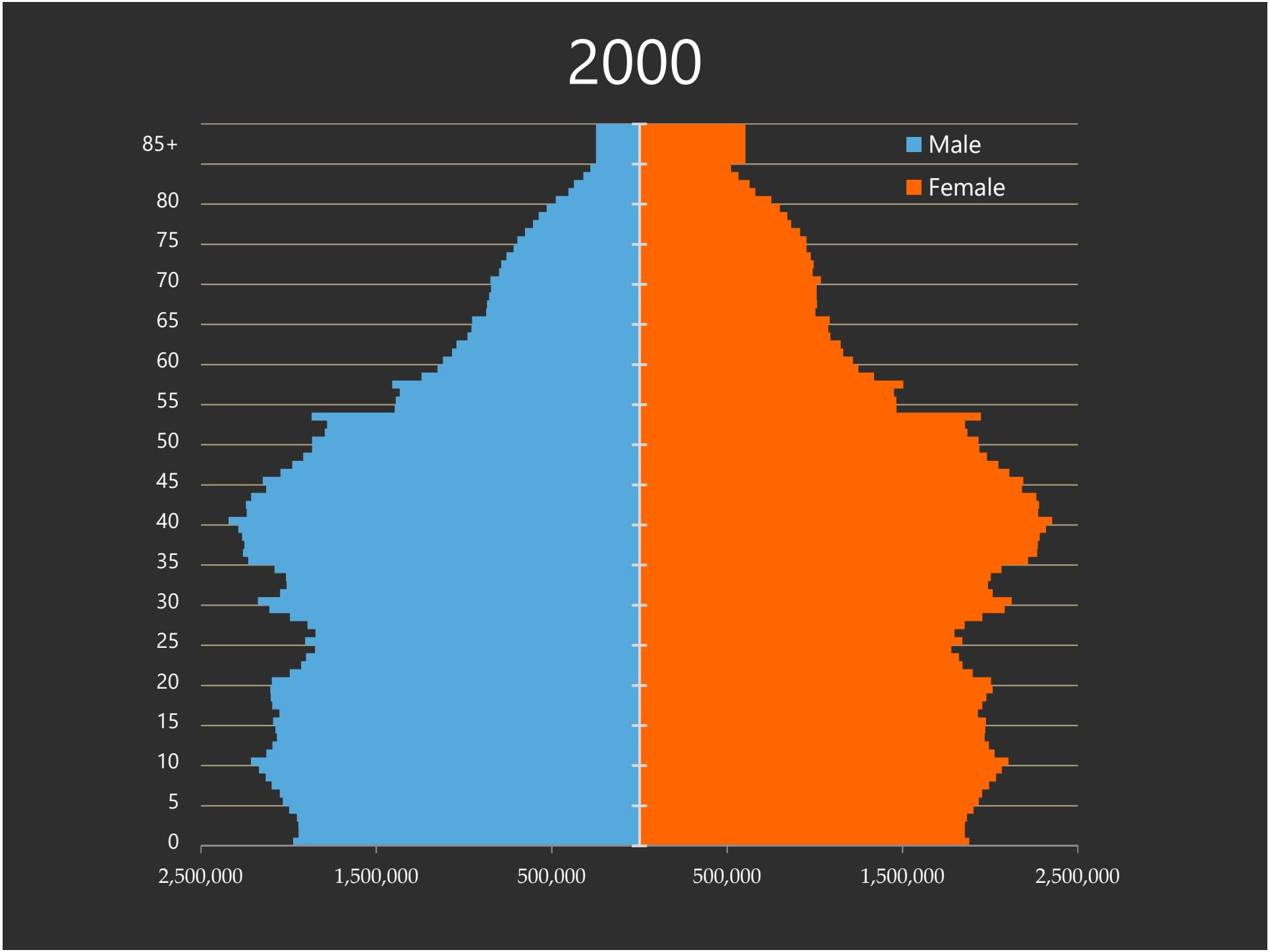


Died at age 90


1970
Male
Female
85+
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
2,500,000
1,500,000
500,000
500,000
1,500,000
2,500,000
Great Depression, WWII


1980
Male
Female
85+
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
2,500,000
1,500,000
500,000
500,000
1,500,000
2,500,000


1990
Male
Female
85+
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
2,500,000
1,500,000
500,000
500,000
1,500,000
2,500,000


2000
Male
Female
85+
80
75
70
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60
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50
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5
0
2,500,000
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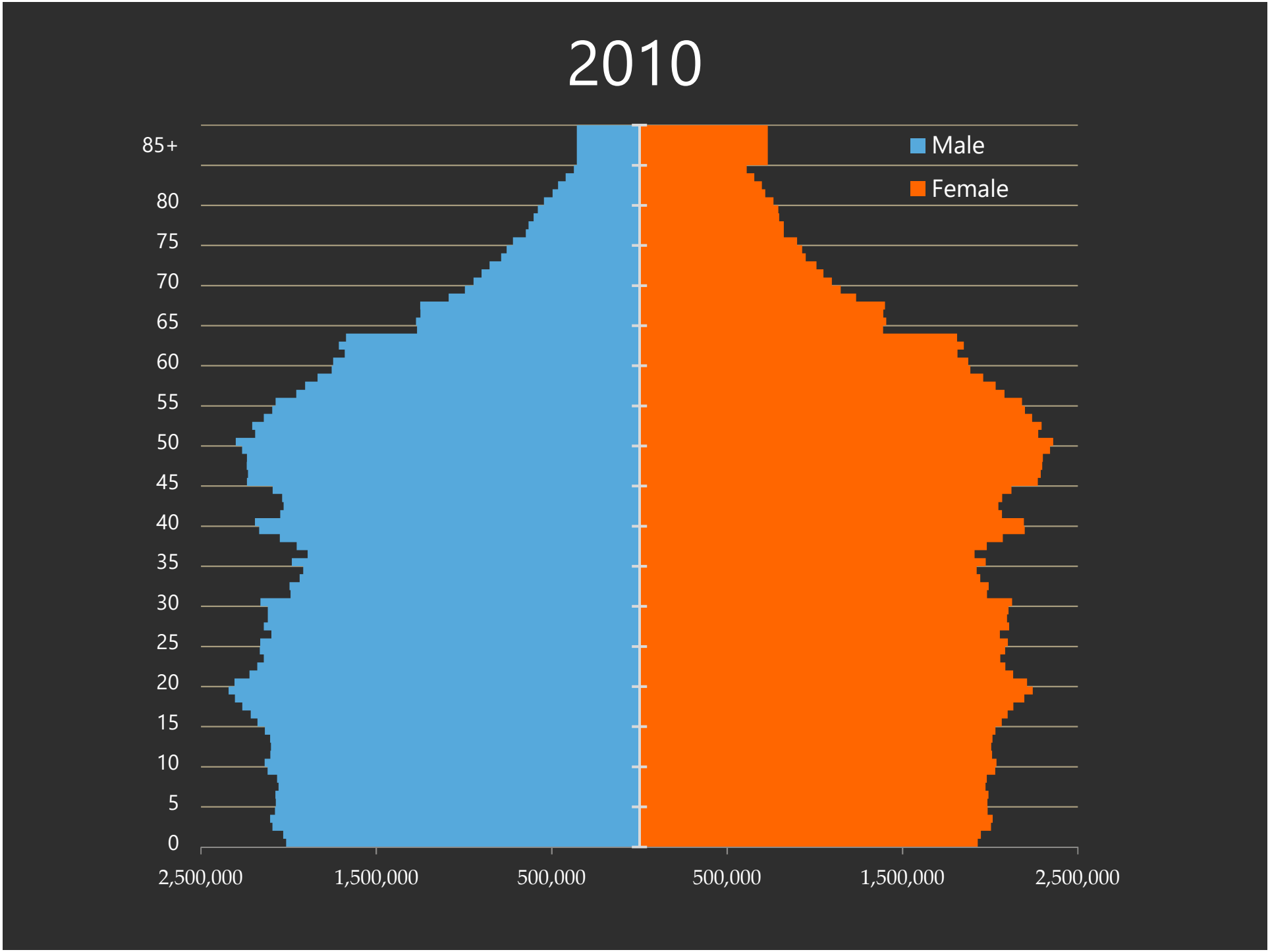
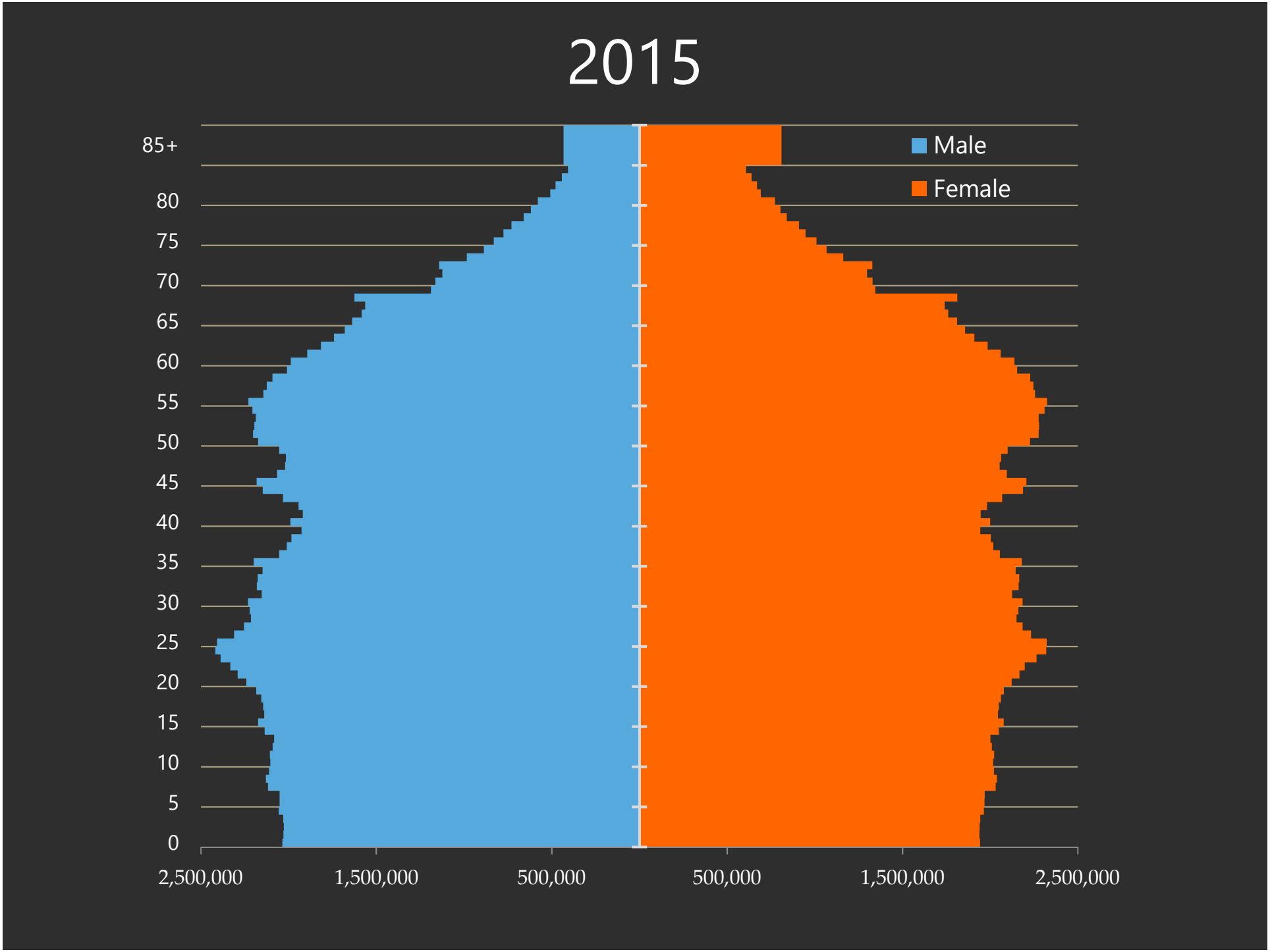
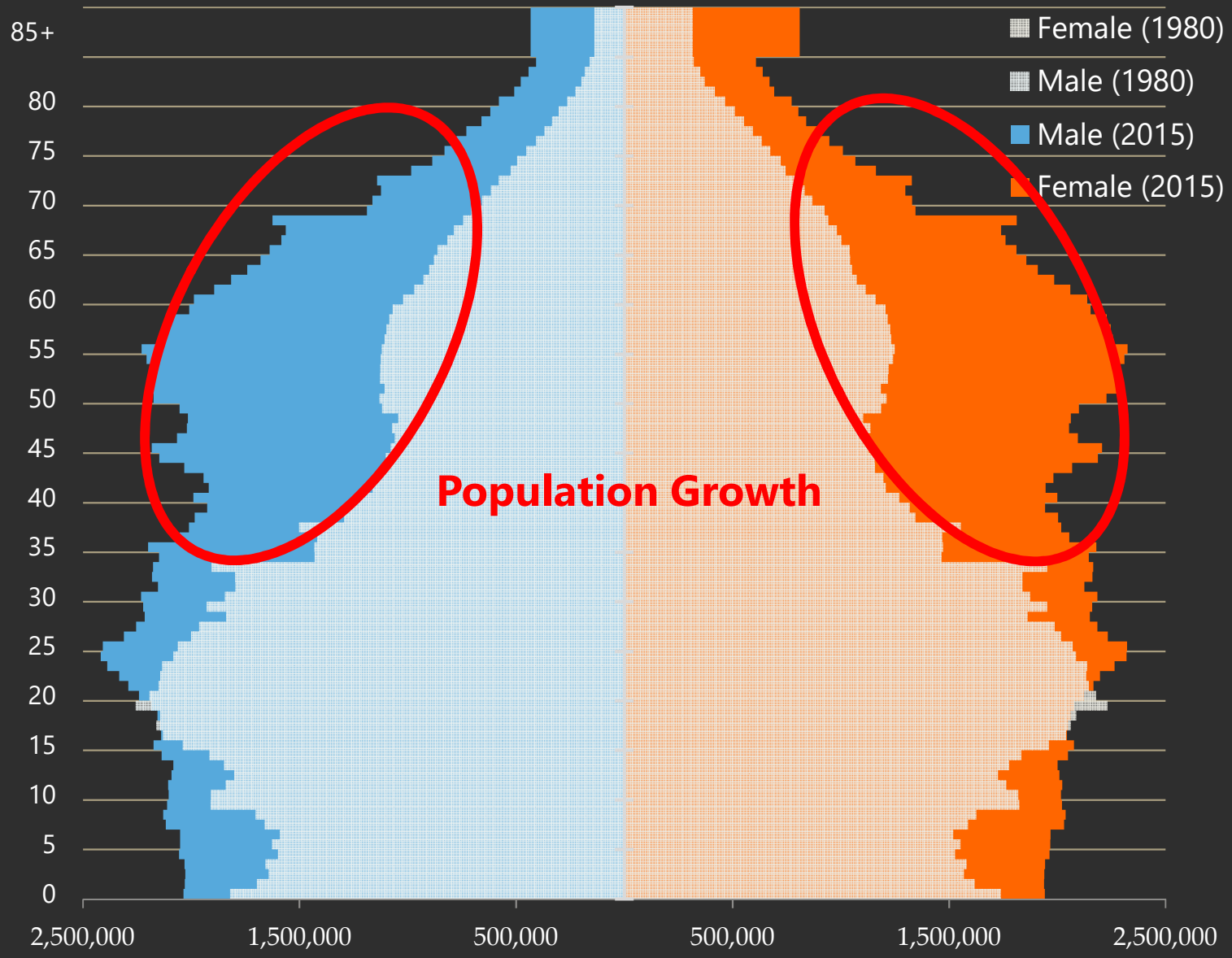
500,000
500,000
1,500,000
2,500,000


2010
Male
Female
85+
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
2,500,000
1,500,000
500,000
500,000
1,500,000
2,500,000


2015
Male
Female
85+
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
2,500,000
1,500,000
500,000
500,000
1,500,000
2,500,000

1980 vs. 2015


85+
80
75
70
65
60
55
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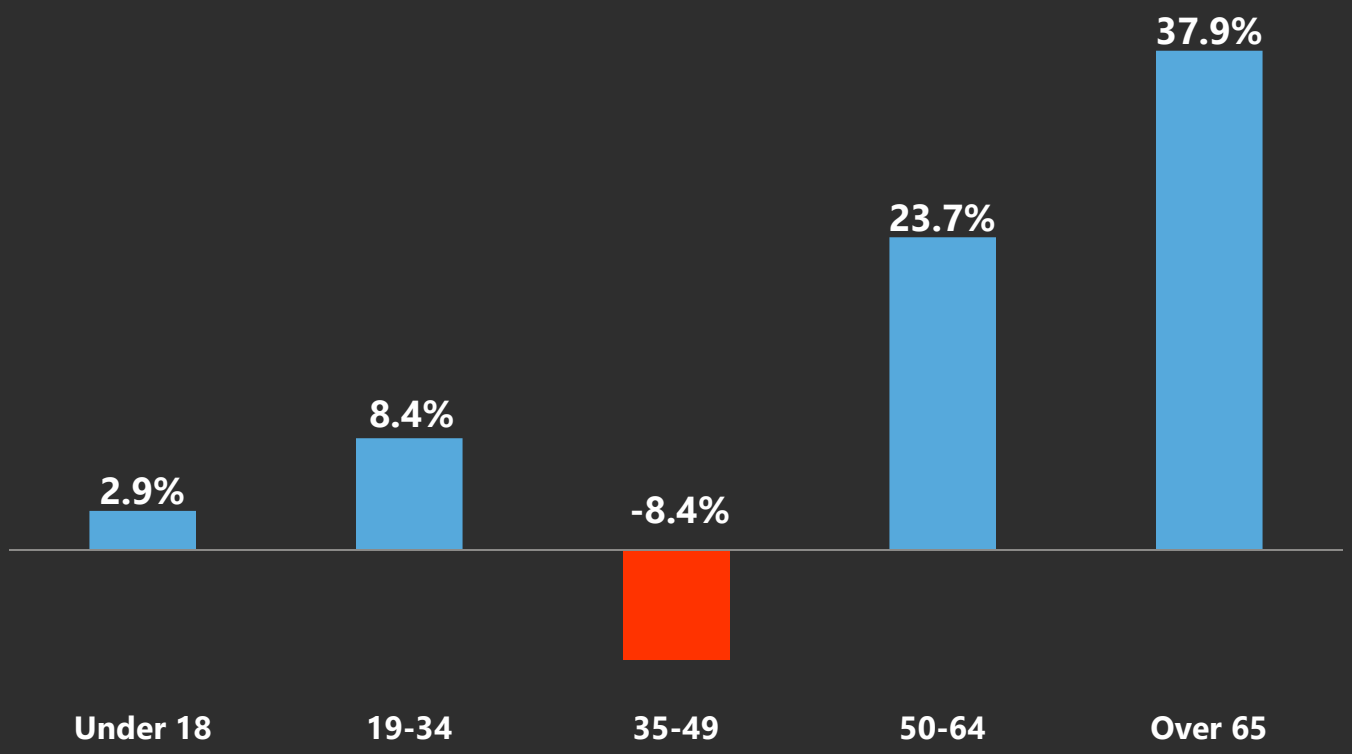
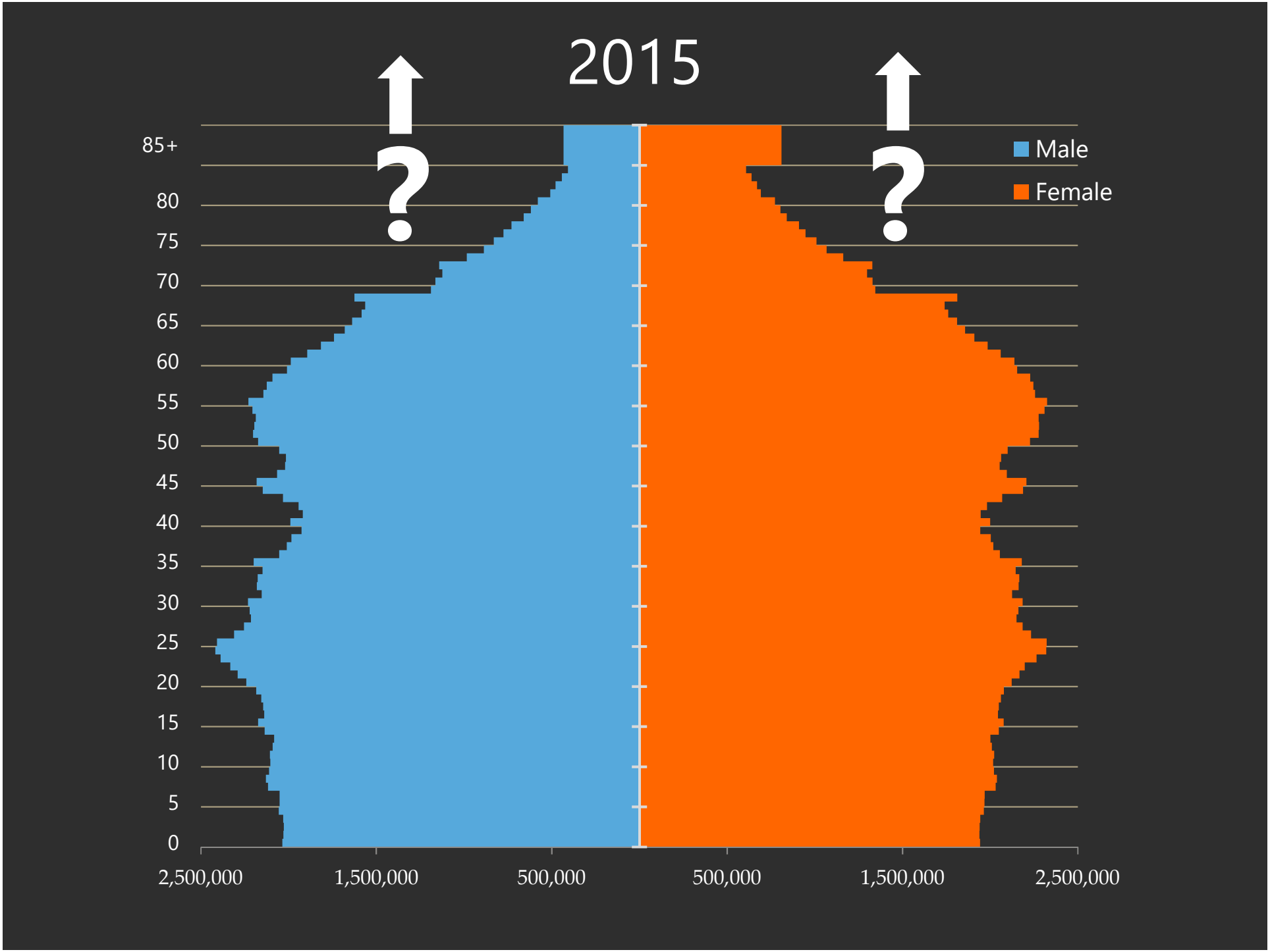
45
40
35
30
25
20
15
10
5
0
2,500,000
1,500,000
500,000
500,000
1,500,000
2,500,000
Female (1980)
Male (1980)
Male (2015)
Female (2015)
Population Growth

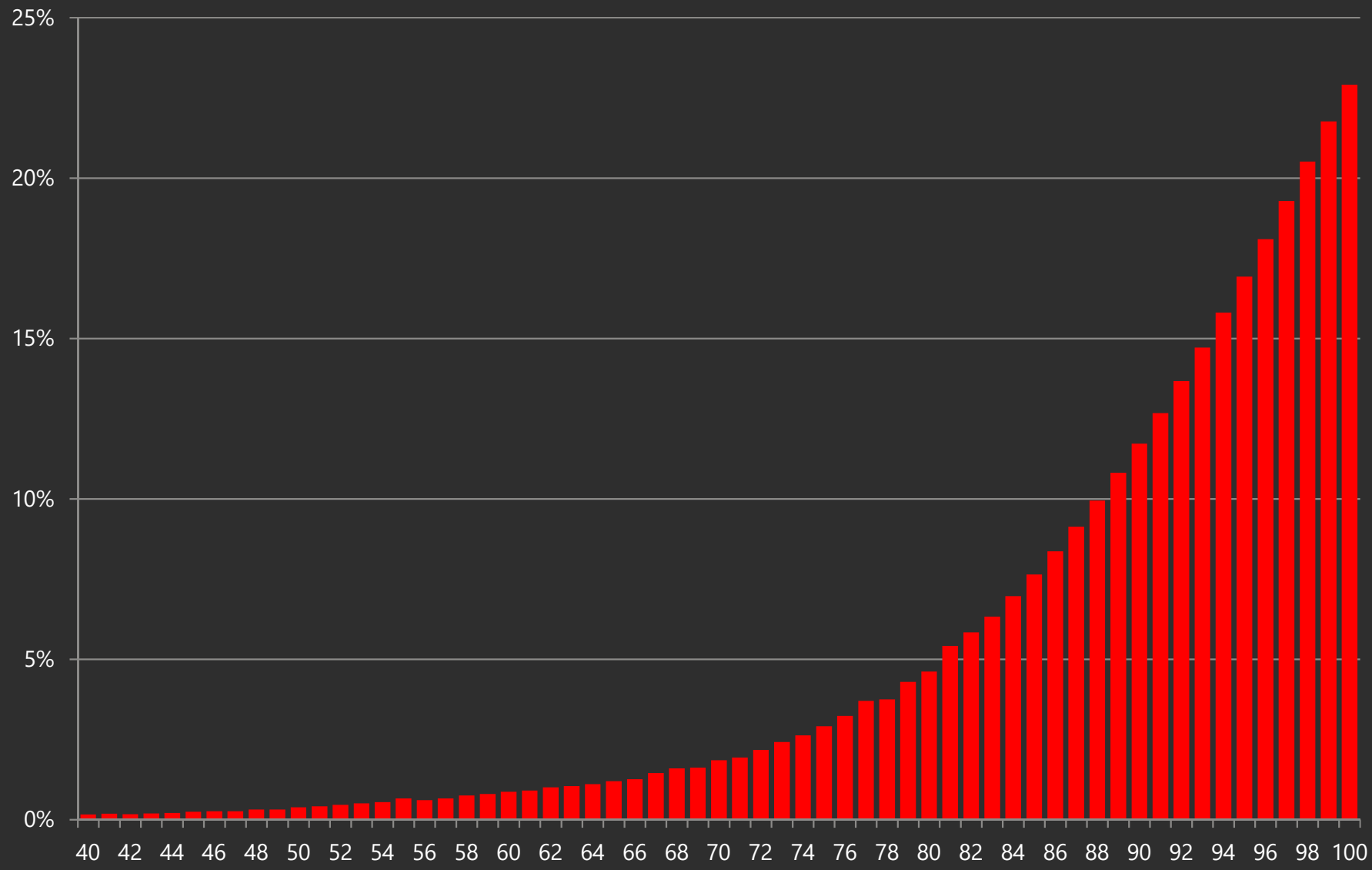
Today in America, there are
more 60 year-olds than 6 year-olds

Statewide Growth in Population by Age Group
2005-2015

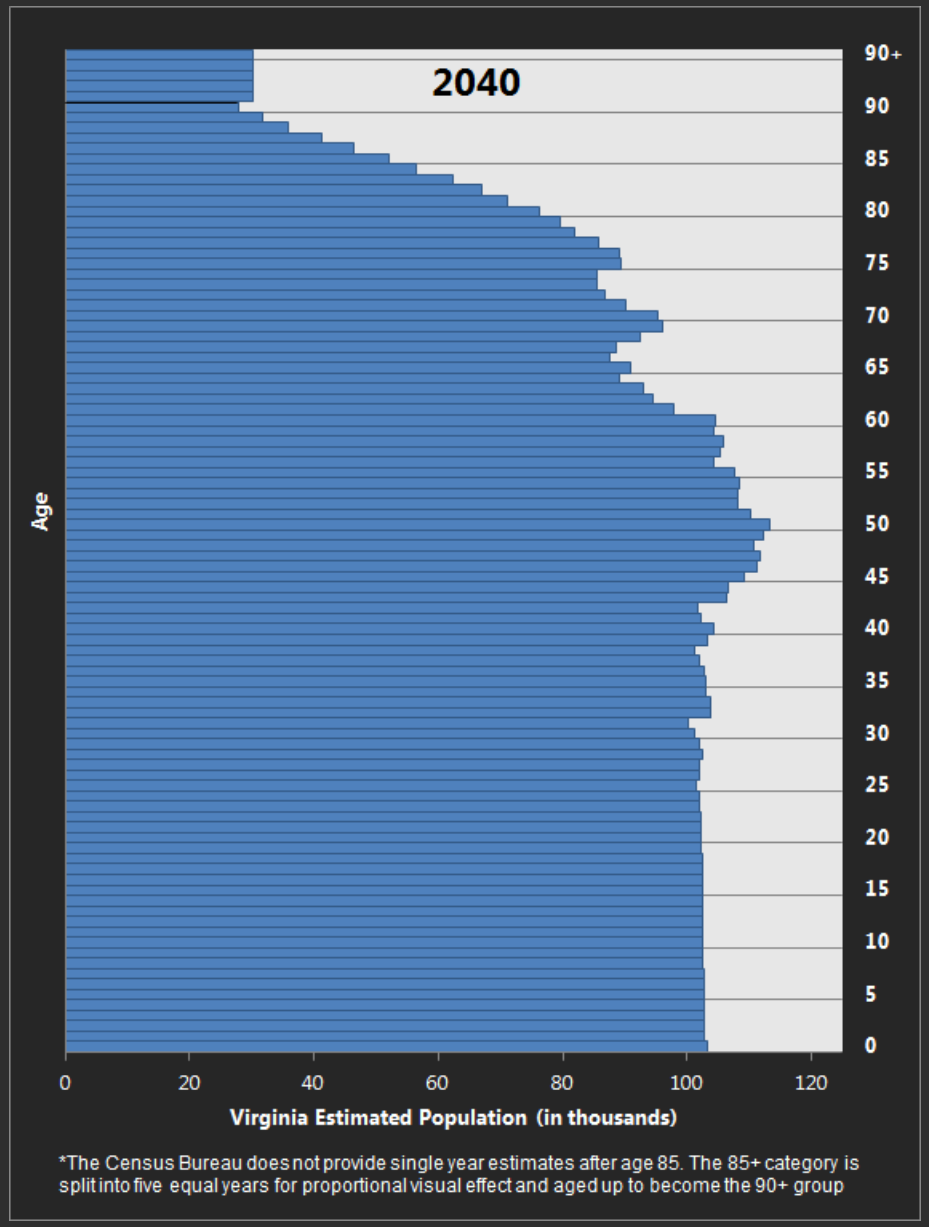



2015
?
?
85+
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
Male
Female
2,500,000
1,500,000
500,000
500,000
1,500,000
2,500,000

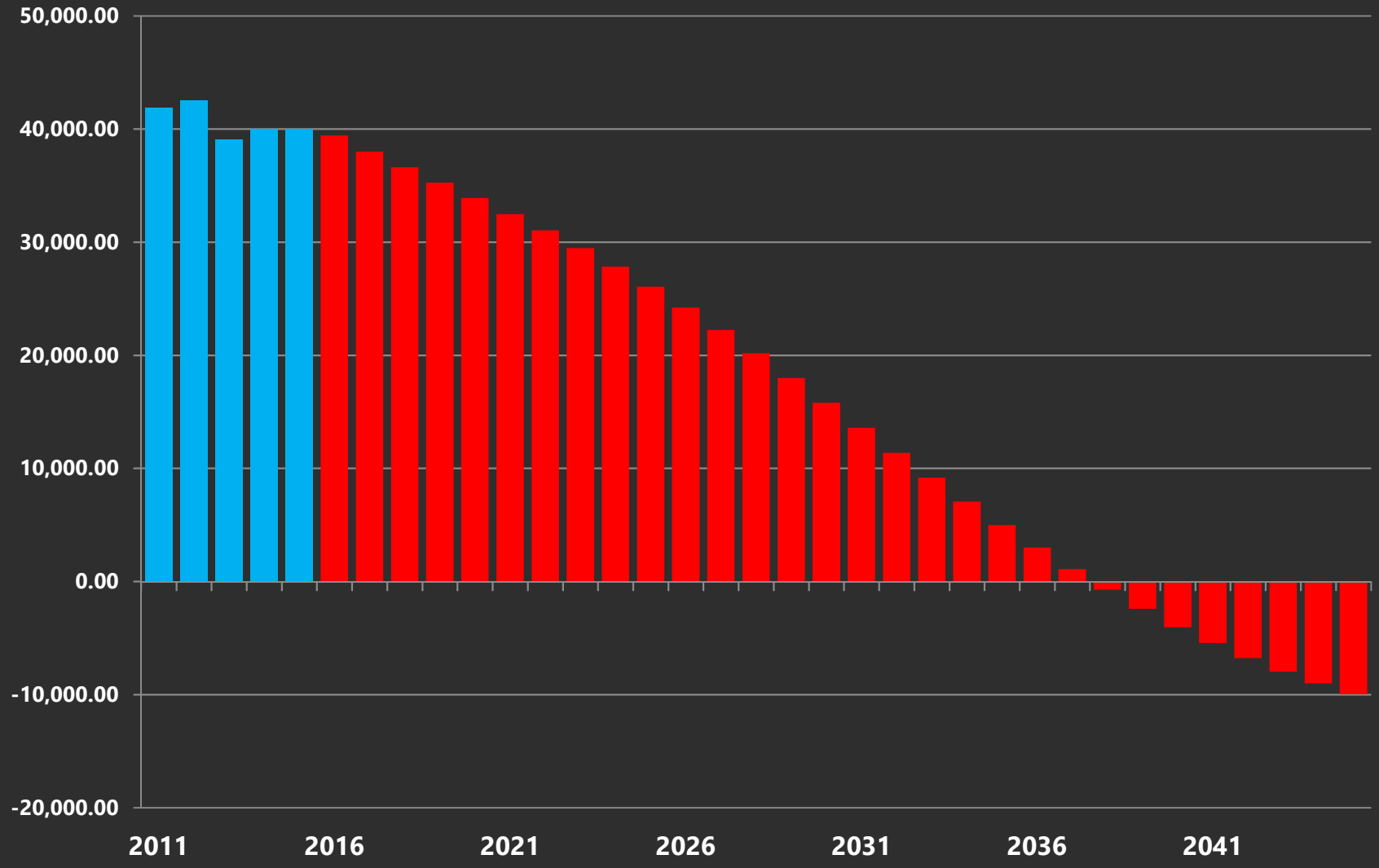
Probability of death in a given year by age



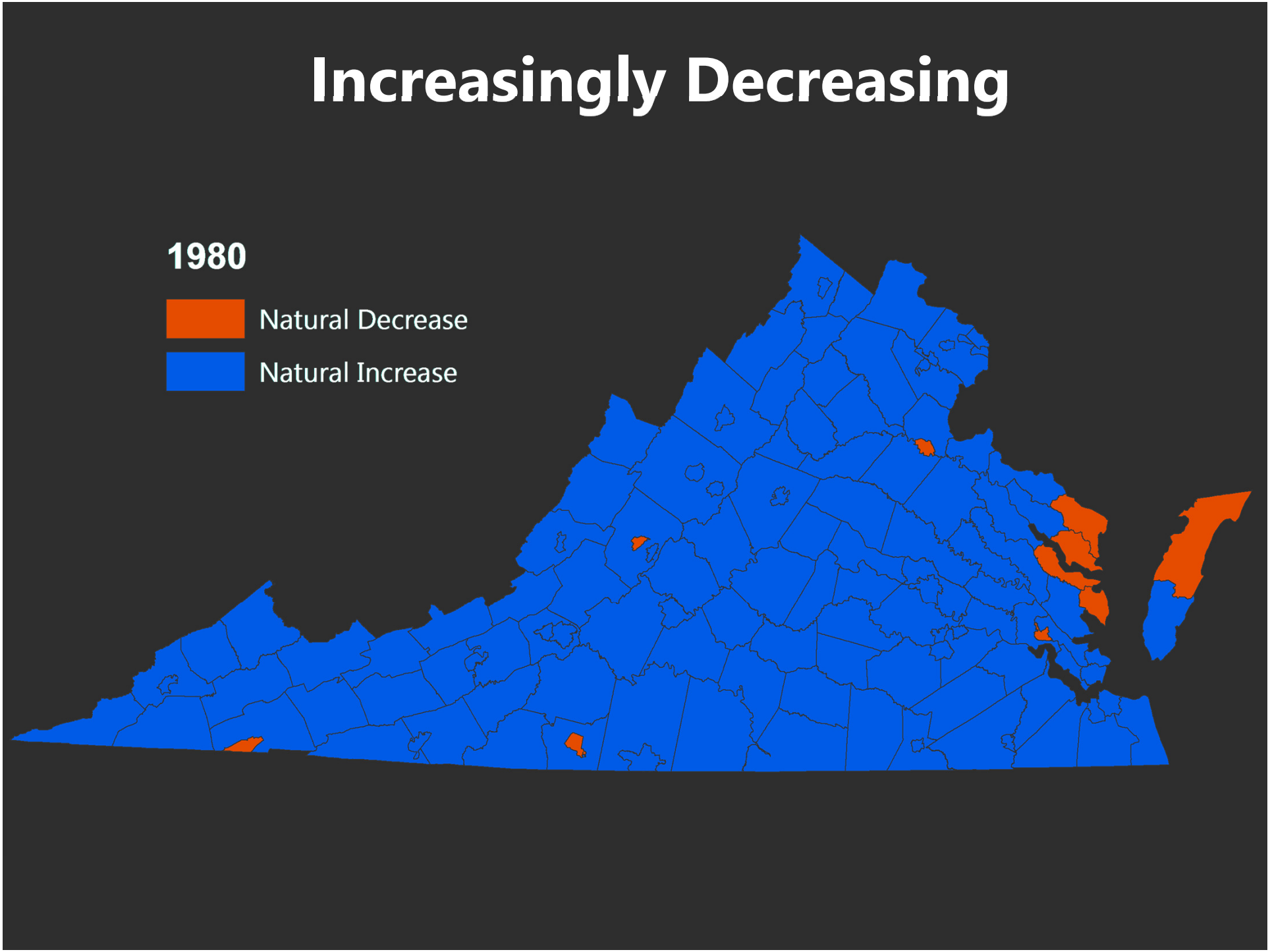
Natural Increase and Aging



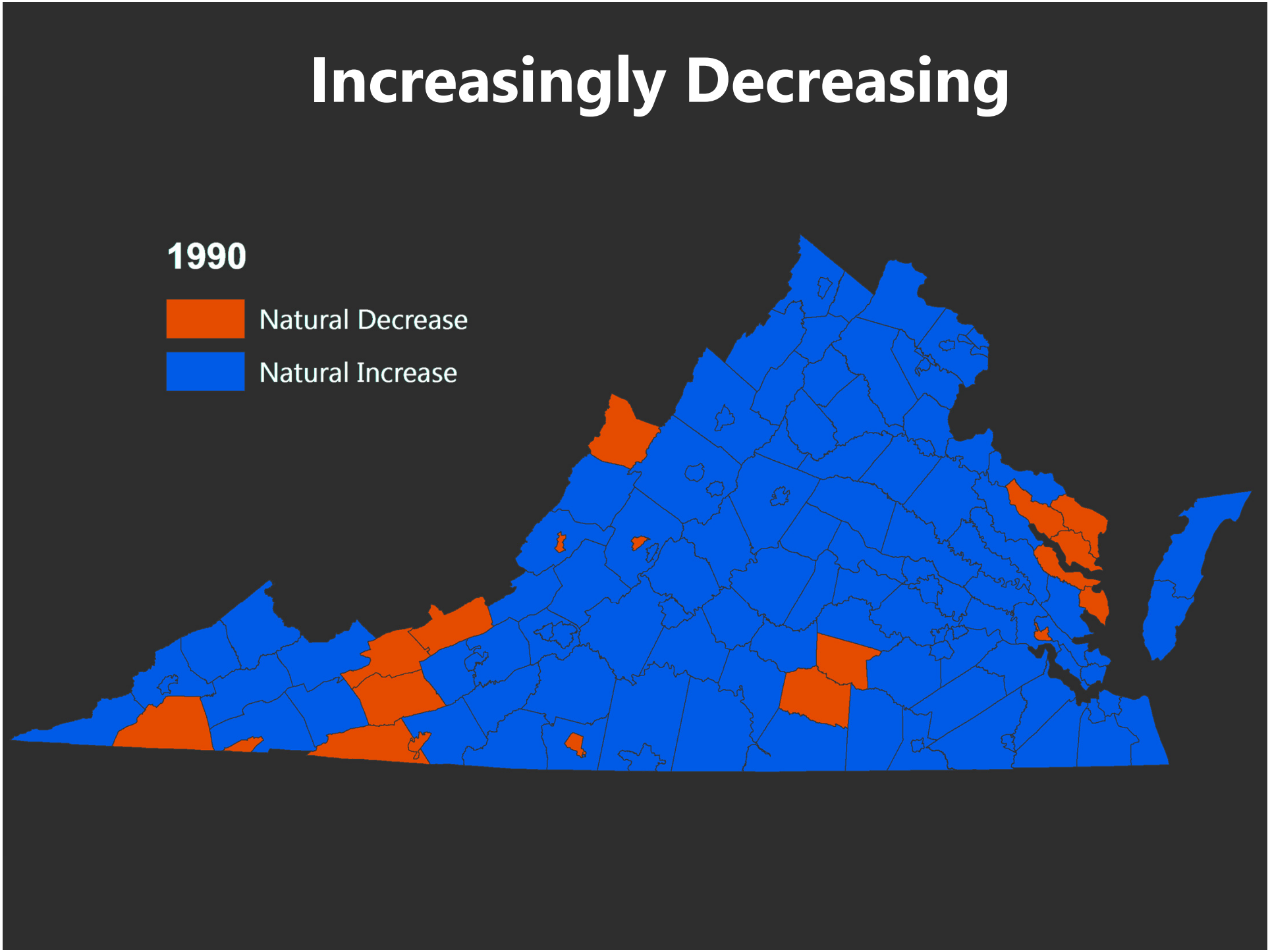
Estimated and projected natural increase (without migration)



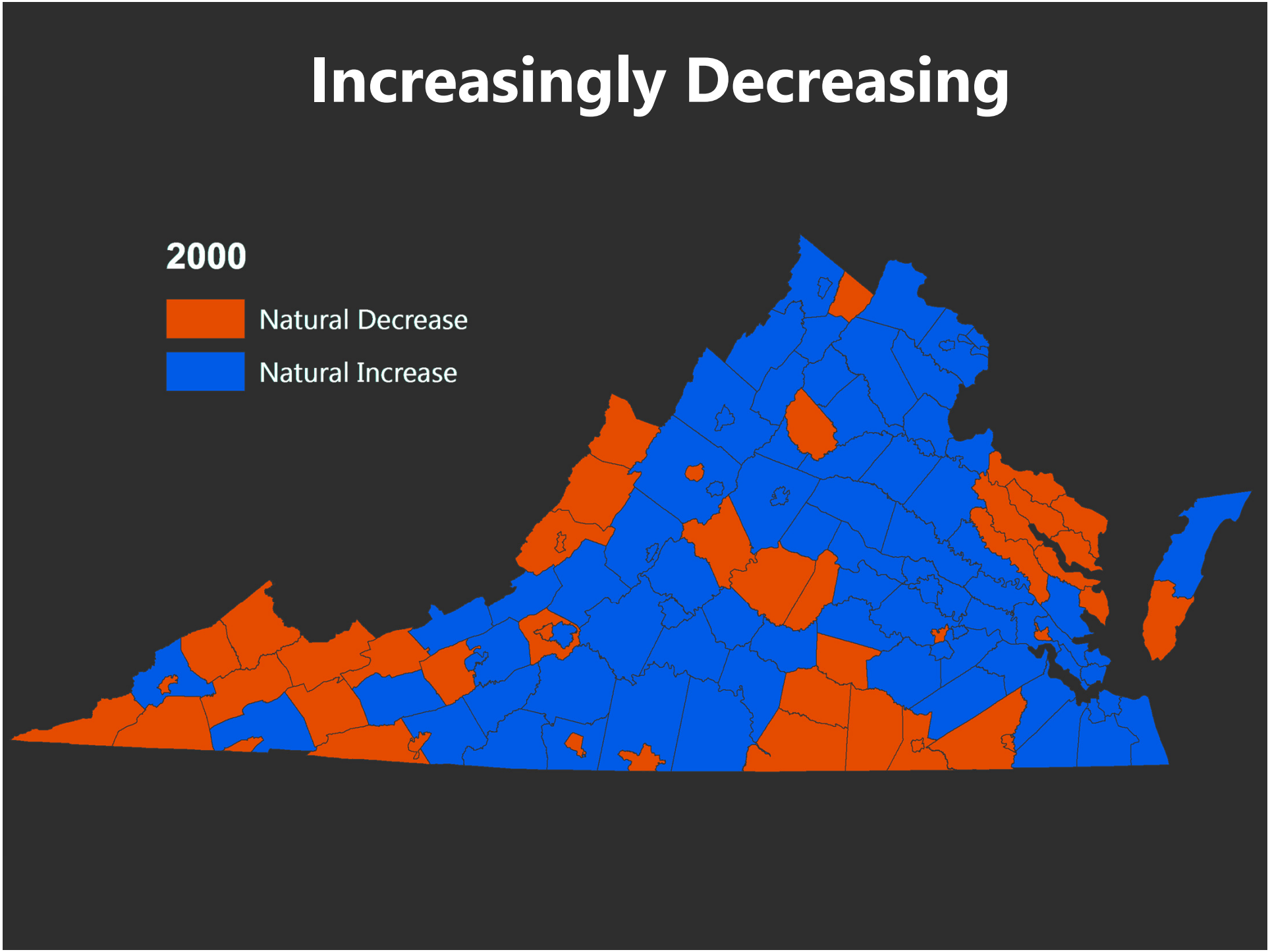
Increasingly Decreasing



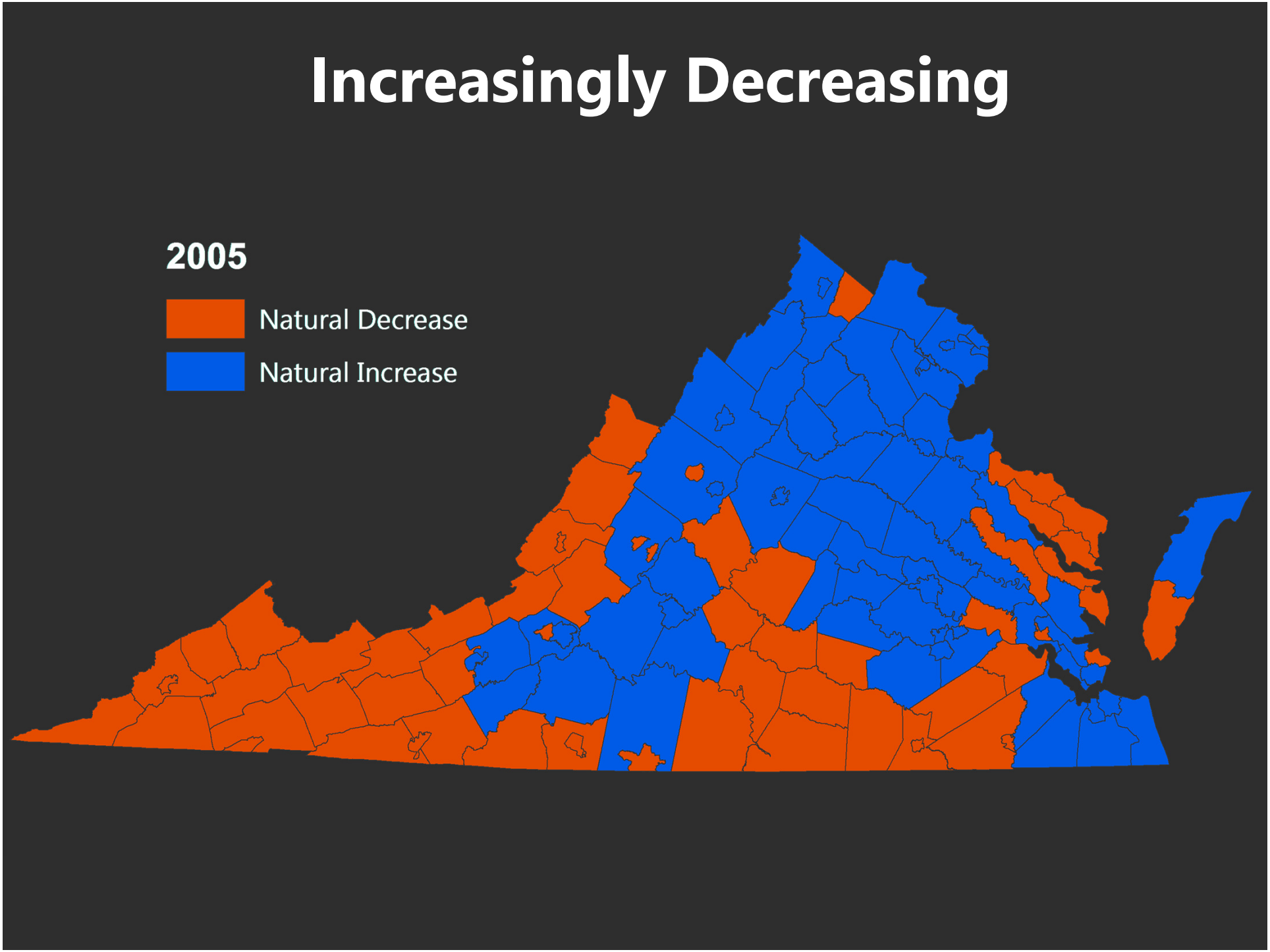
Increasingly Decreasing



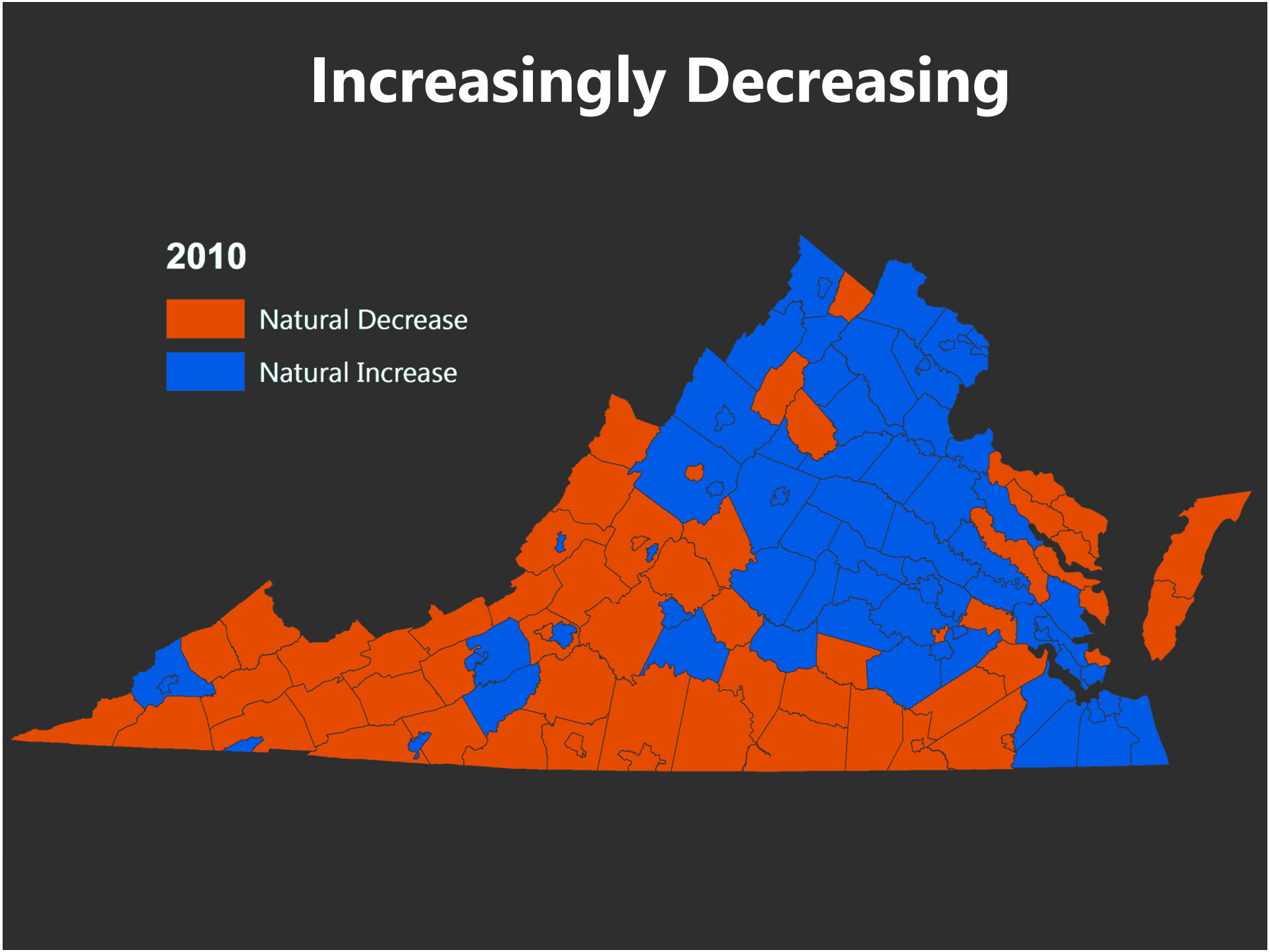
Increasingly Decreasing



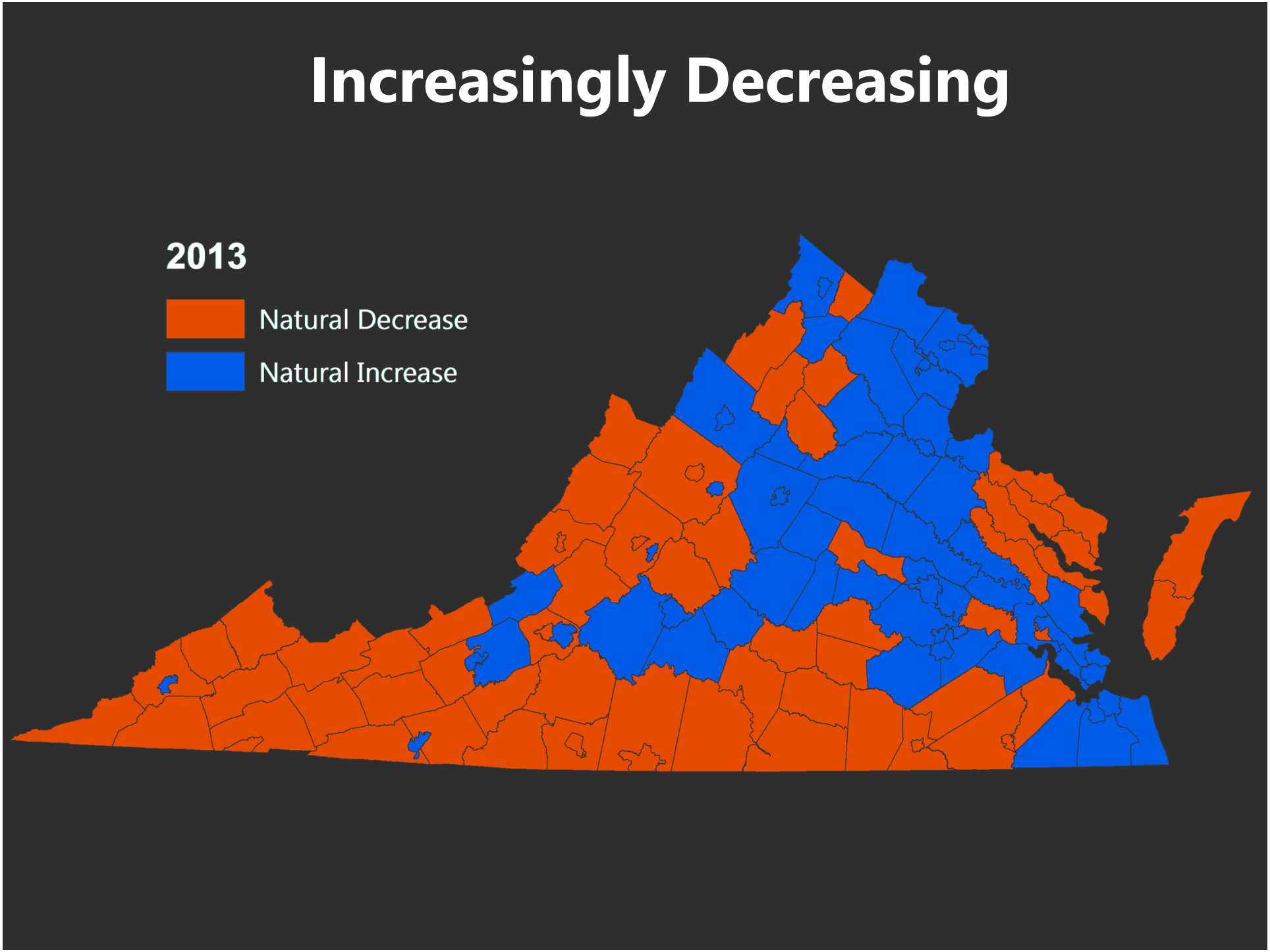
Increasingly Decreasing



Increasingly Decreasing

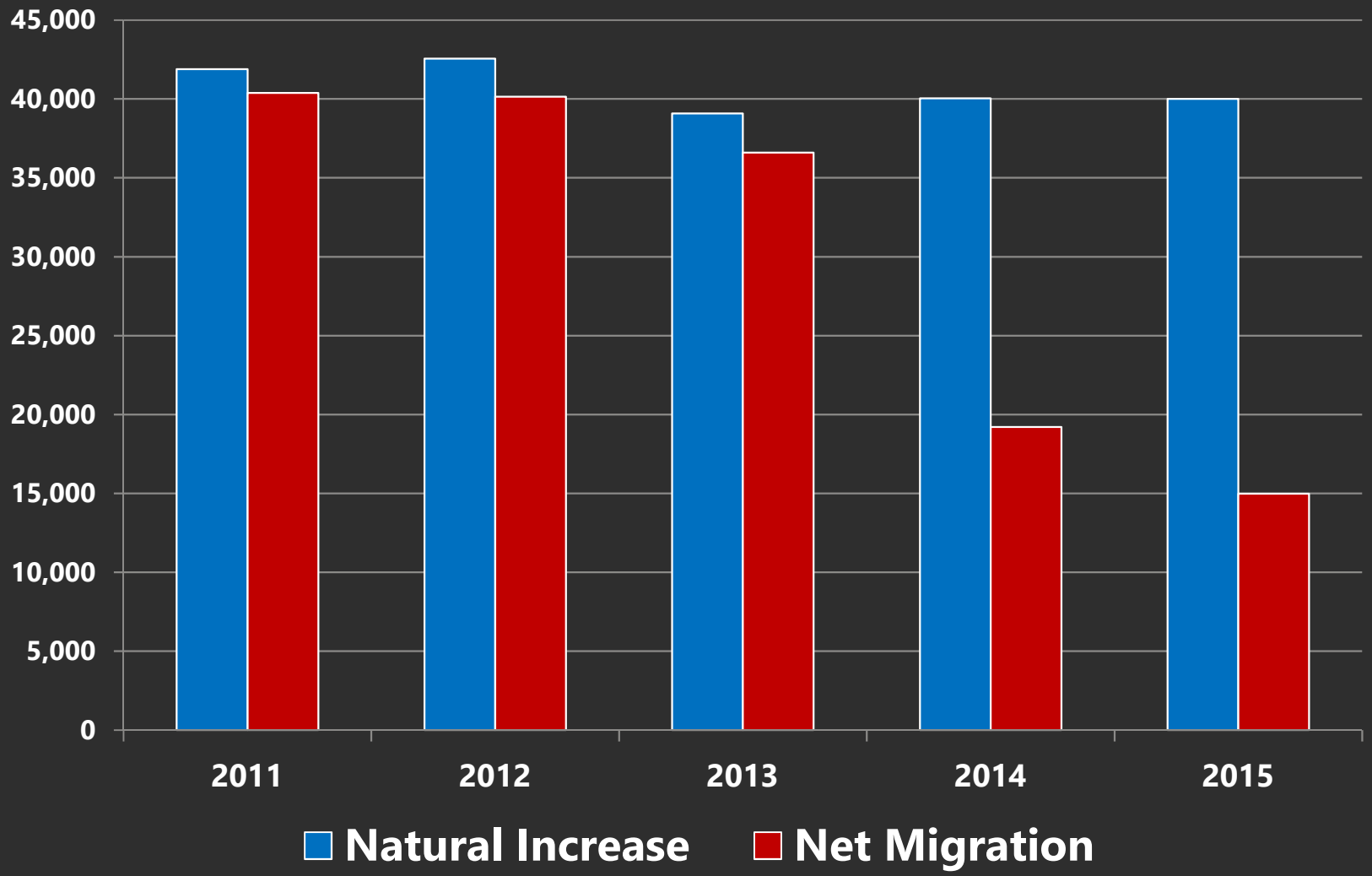


Increasingly Decreasing

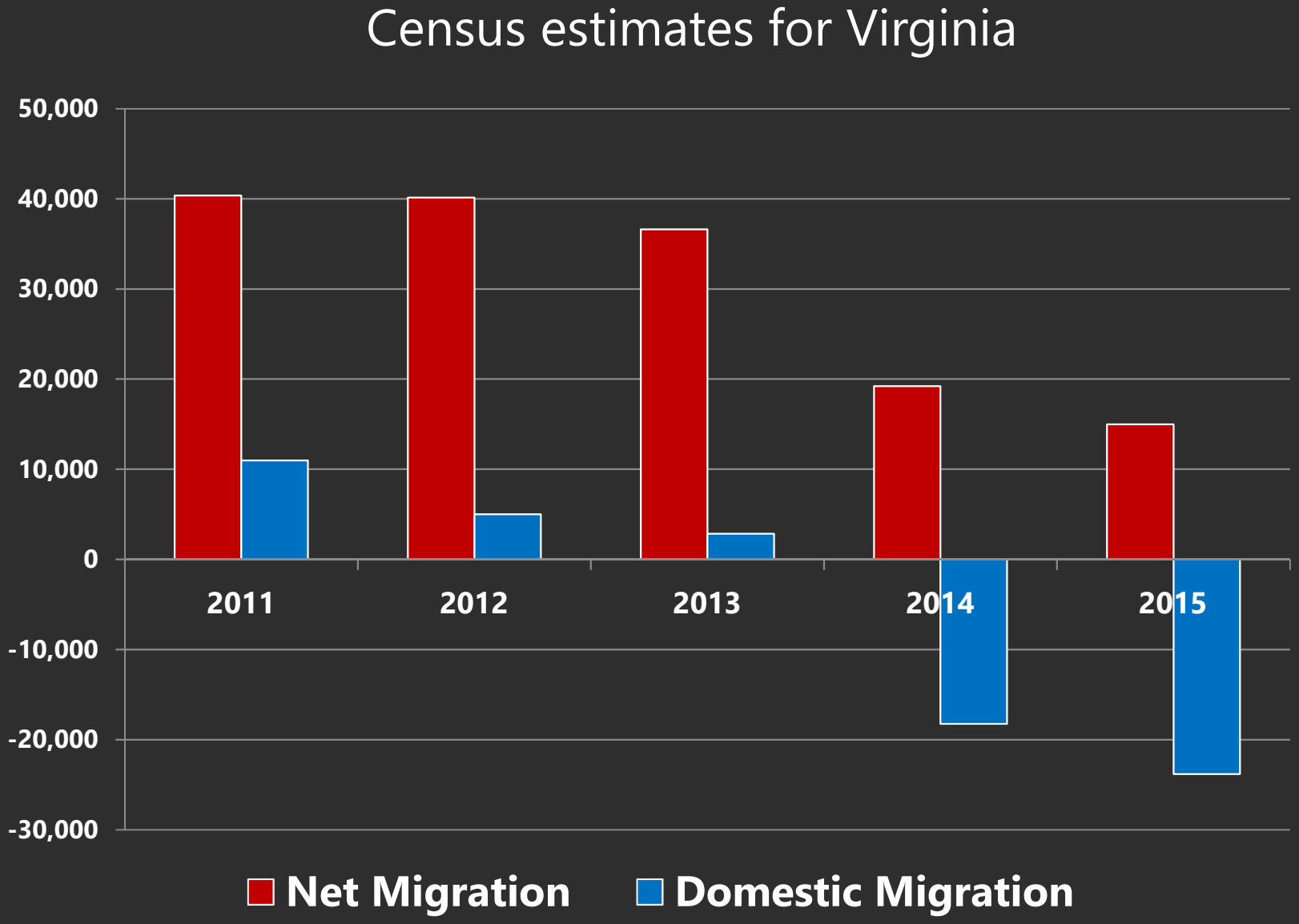


But there's always migration!

Census estimates for Virginia:

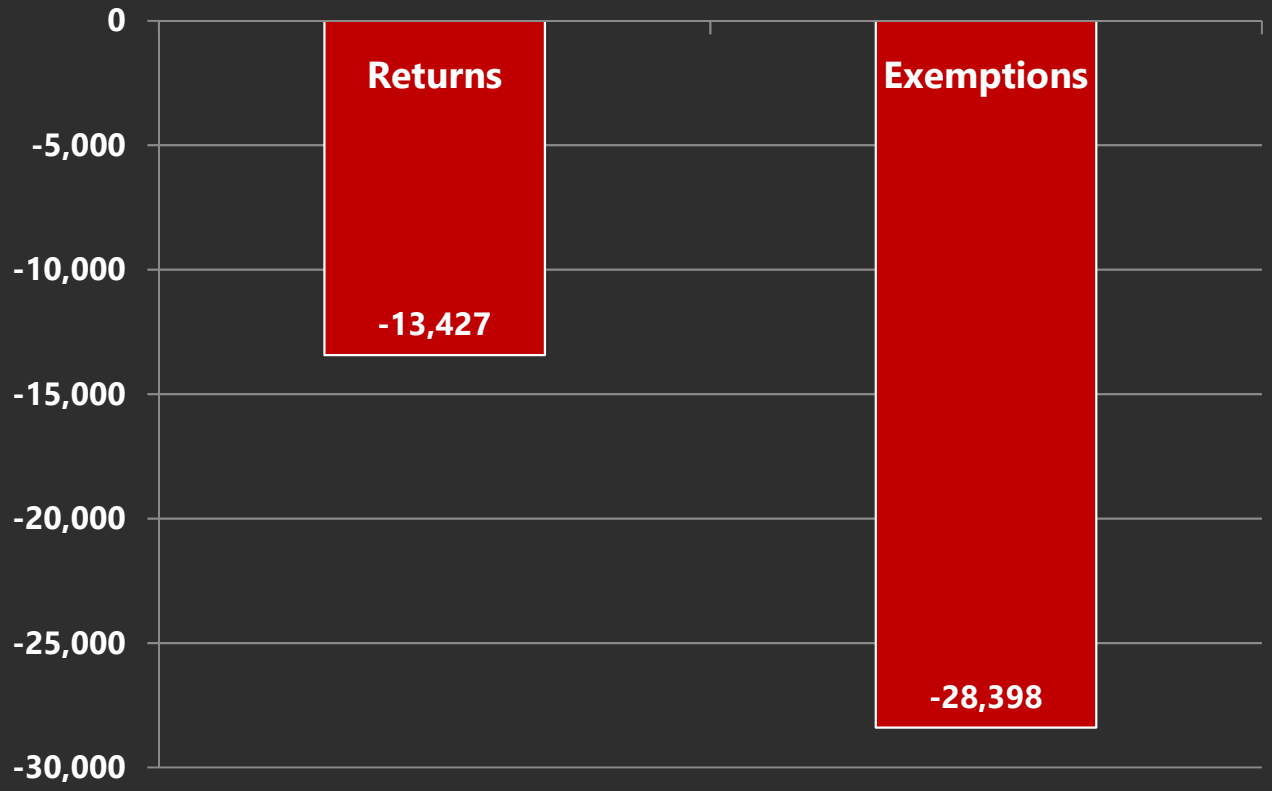


After decades of growth, a decline in migration

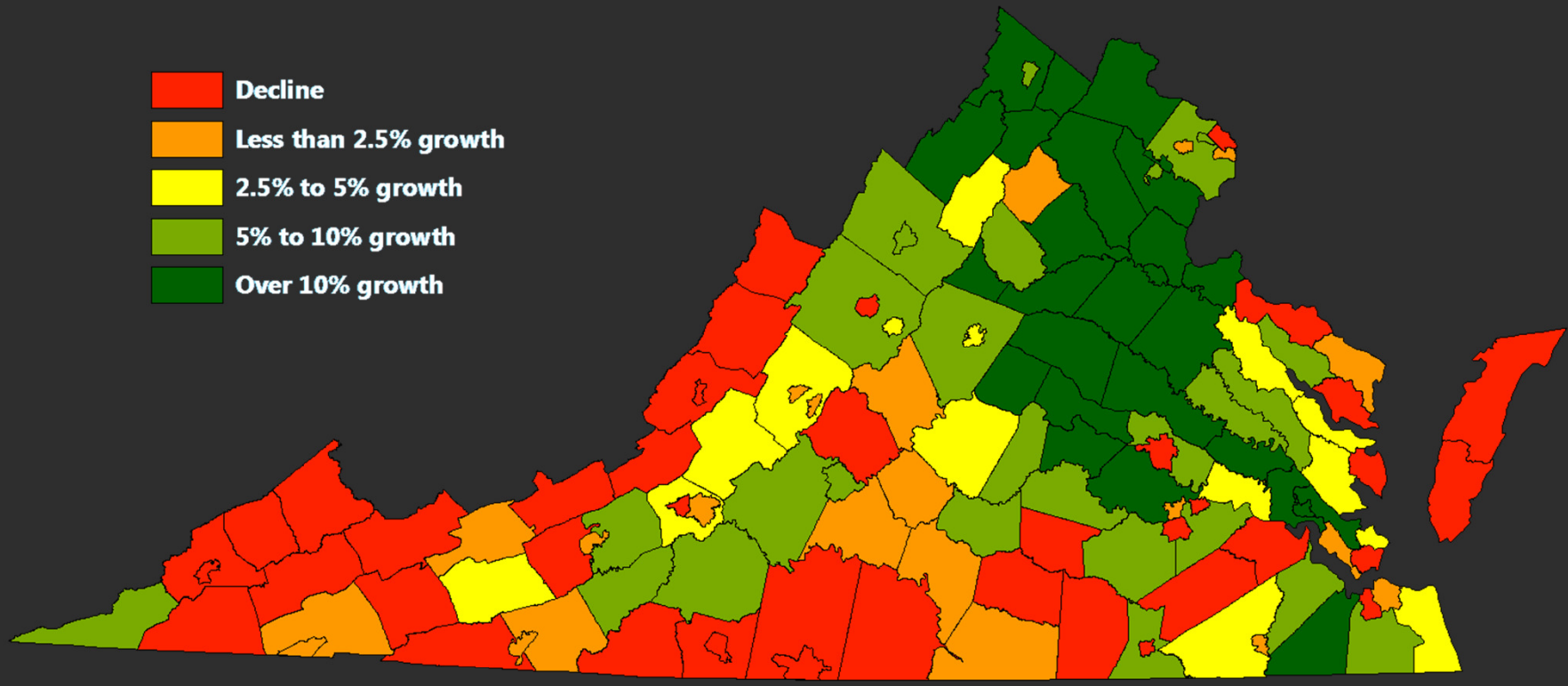


After decades of growth, a decline in migration

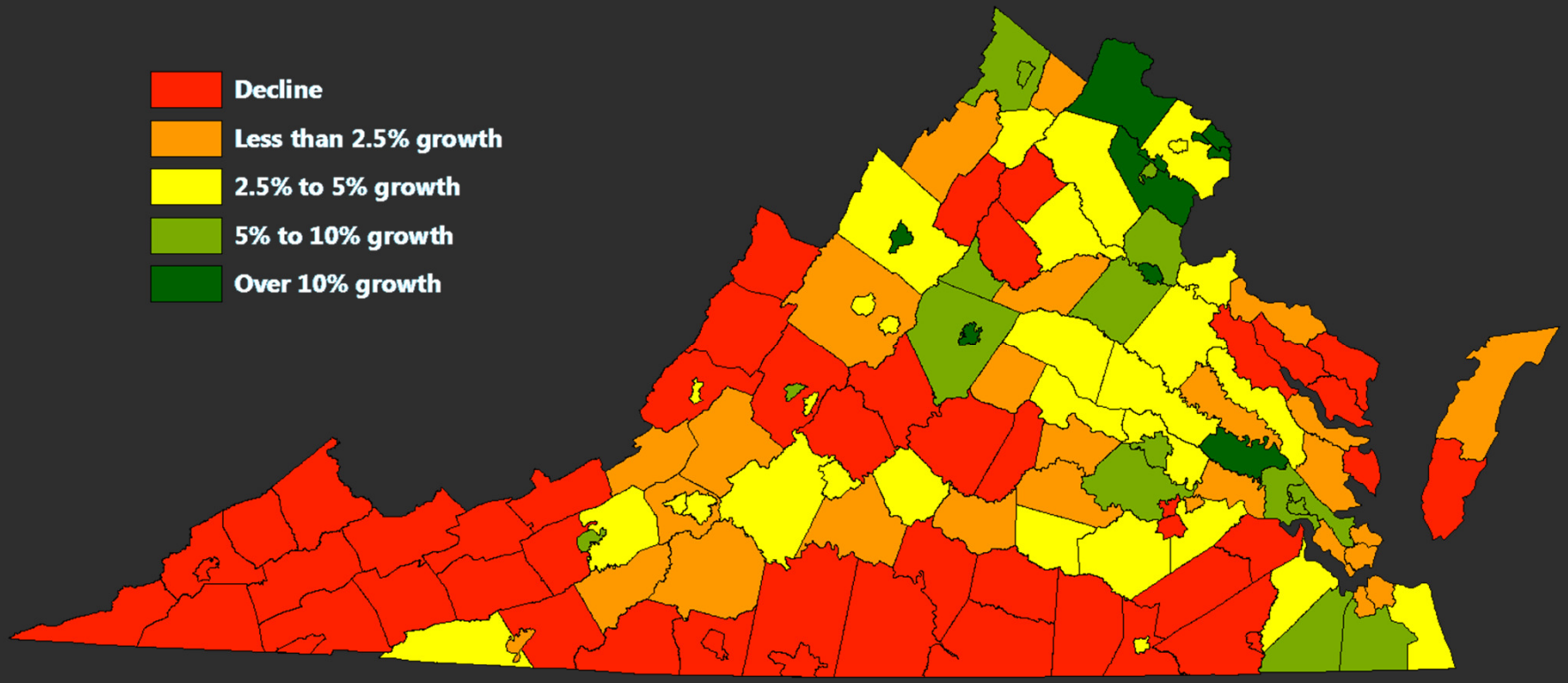
IRS estimates for net domestic migration in Virginia
2013-2014



Population growth: 2000 to 2005

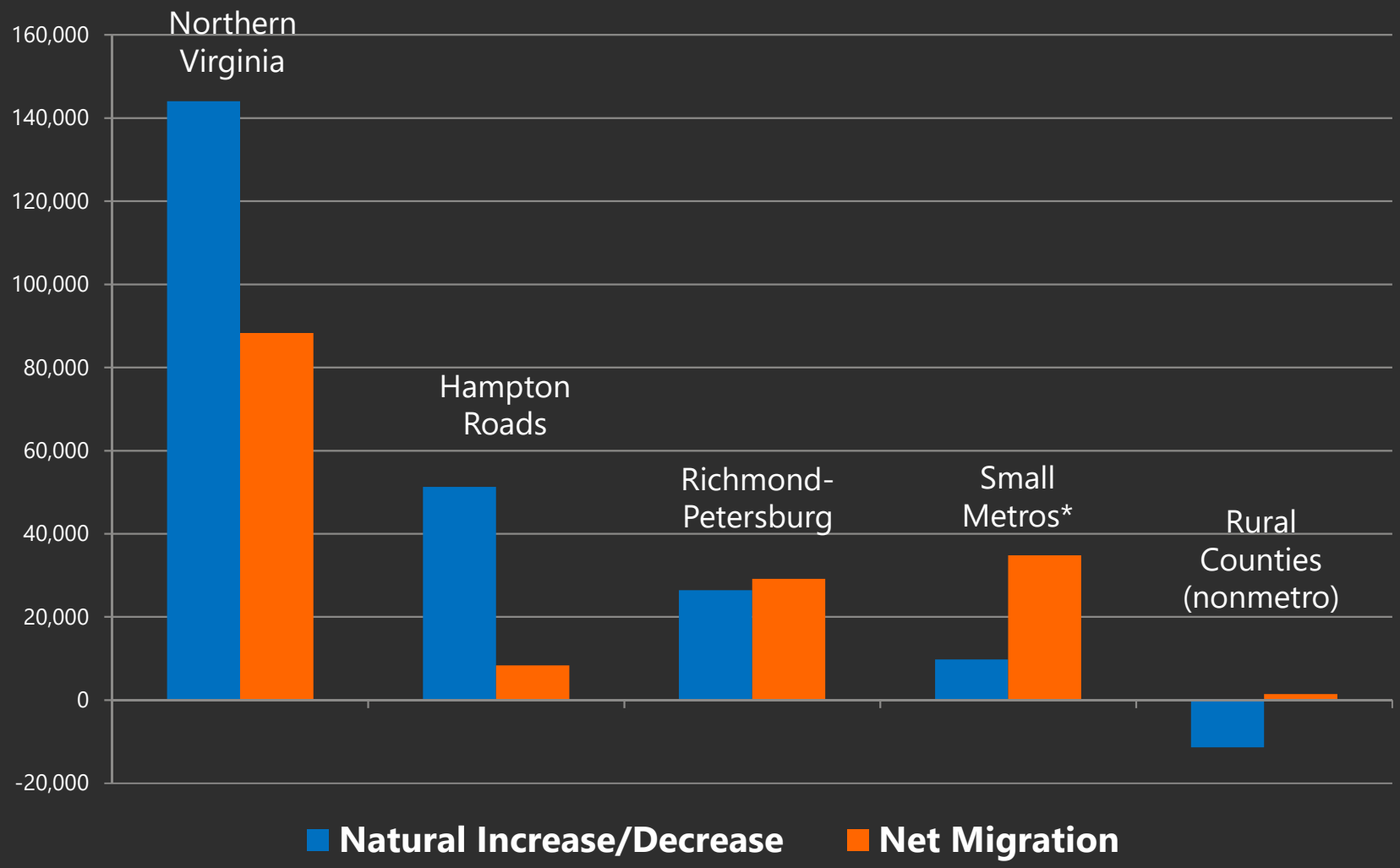


Population growth: 2010 to 2015



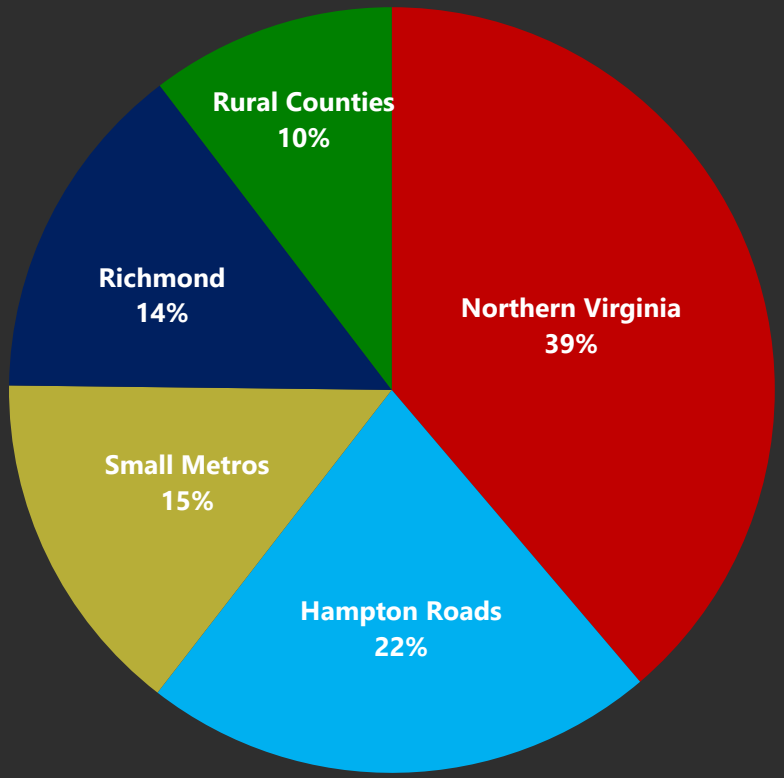
Death and Life in the Localities

Components of Change by Region
2010-2015

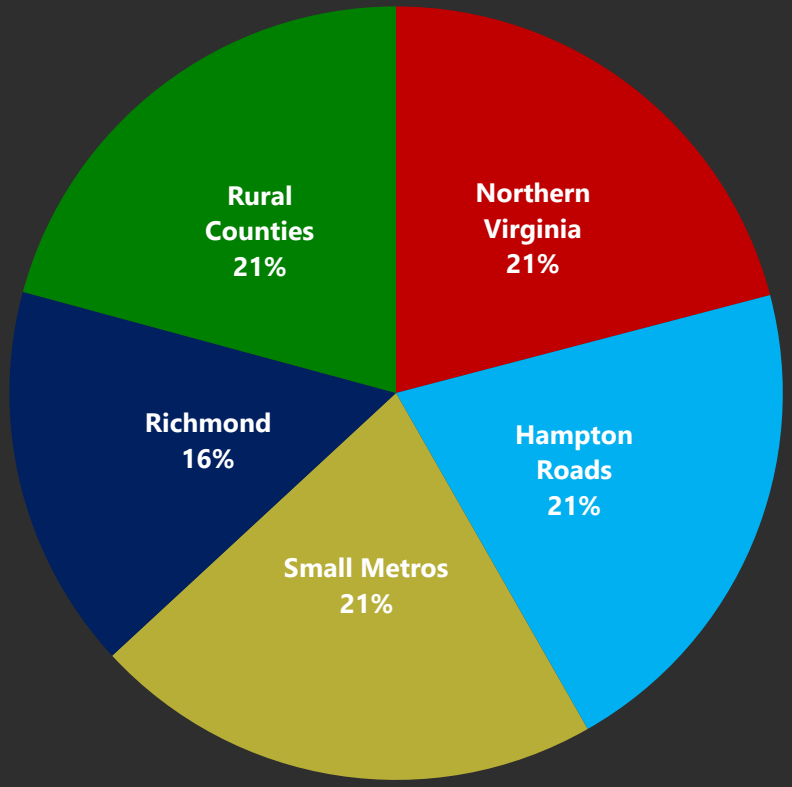


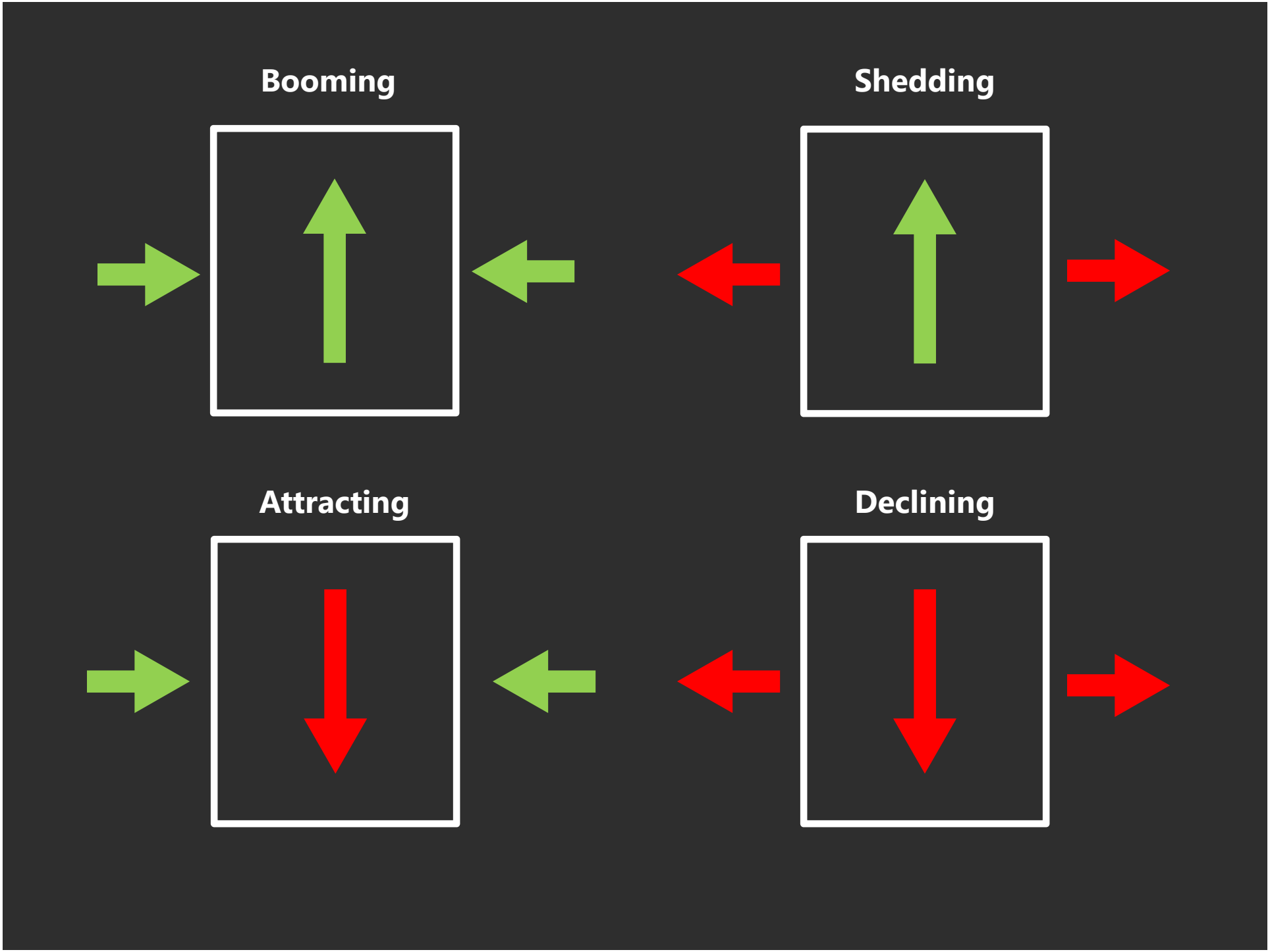
*Bristol, Roanoke, Charlottesville, Blacksburg, Lynchburg, Staunton/Waynesboro, Winchester

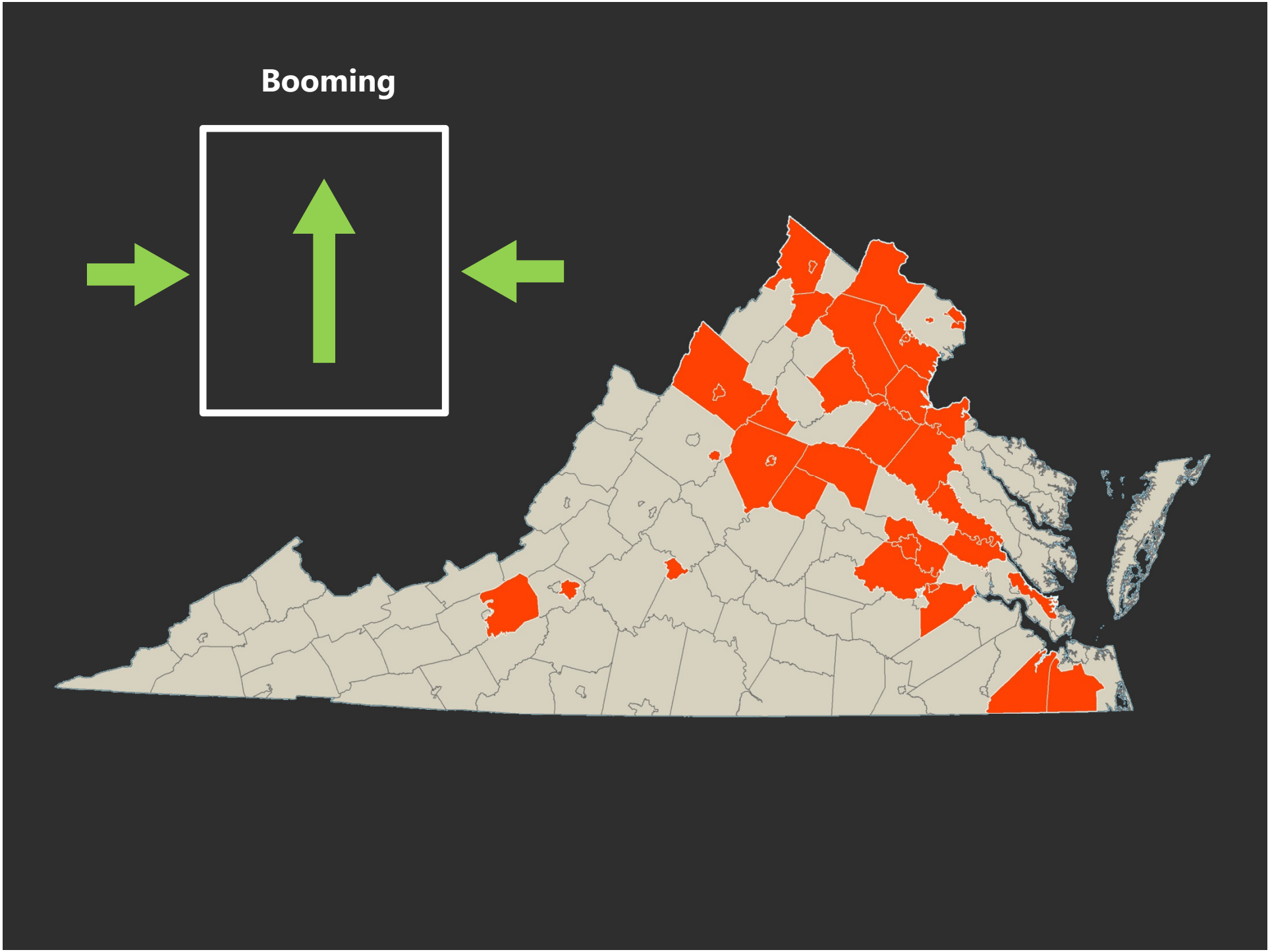
Births

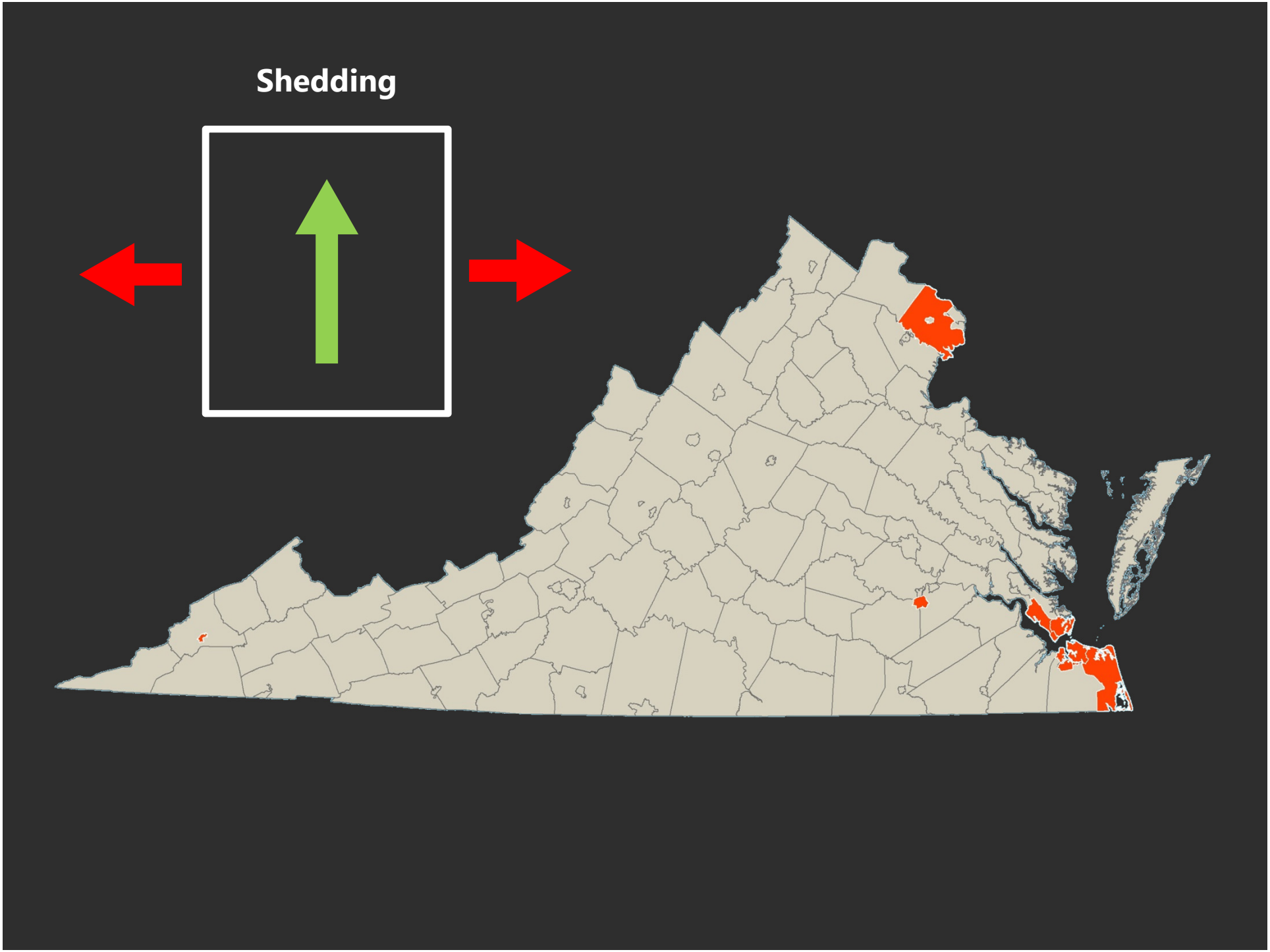


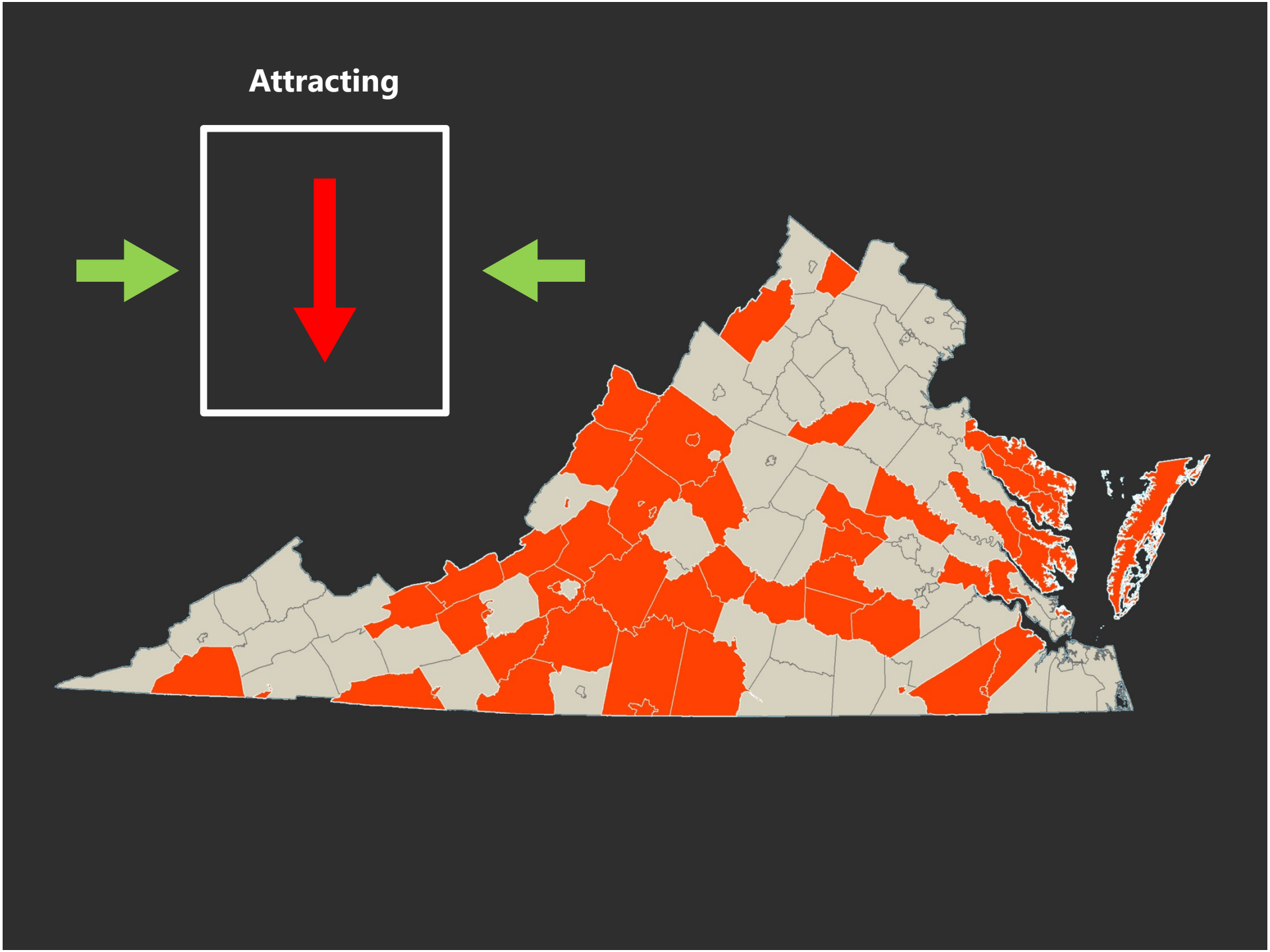
Deaths

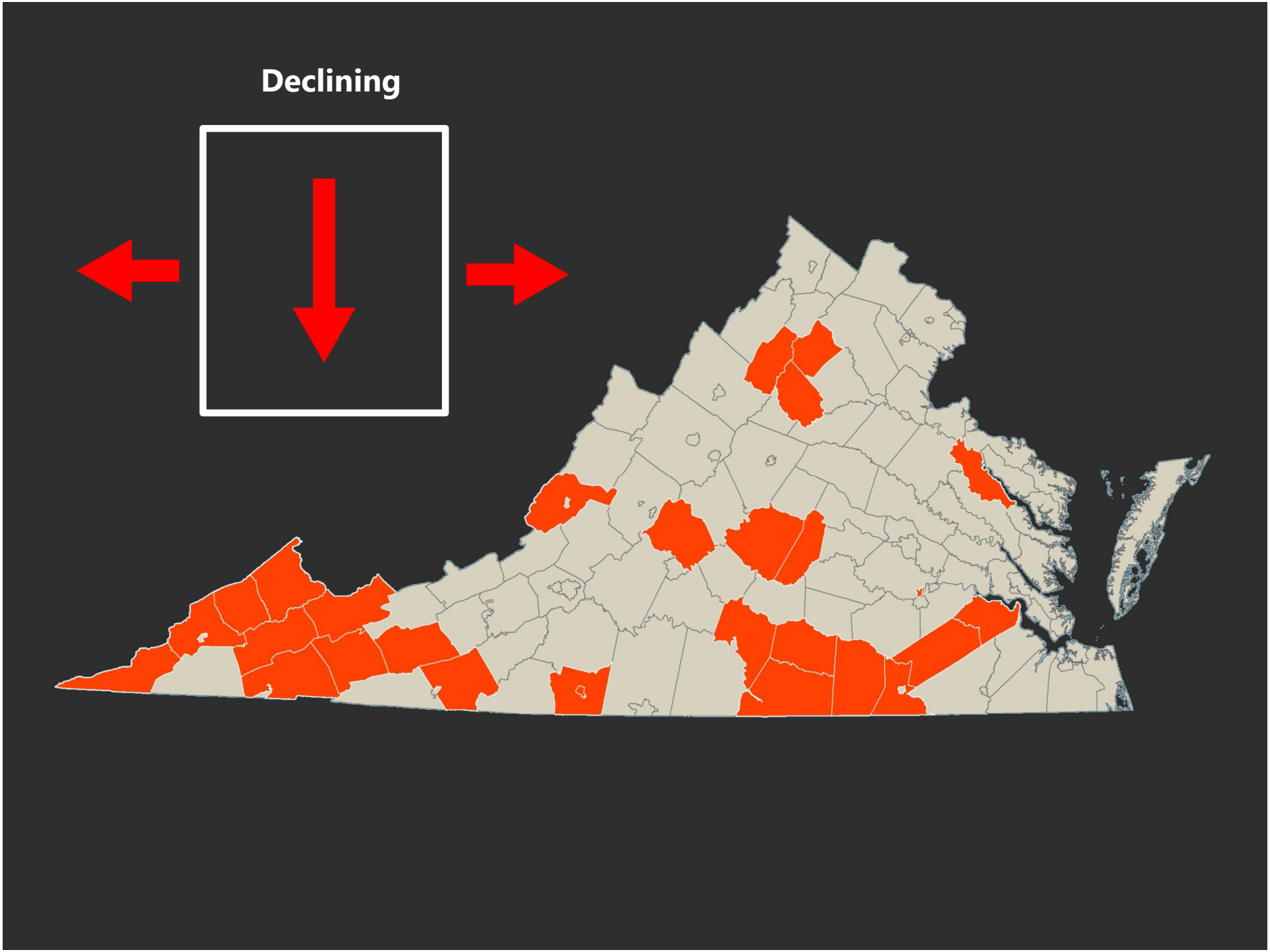


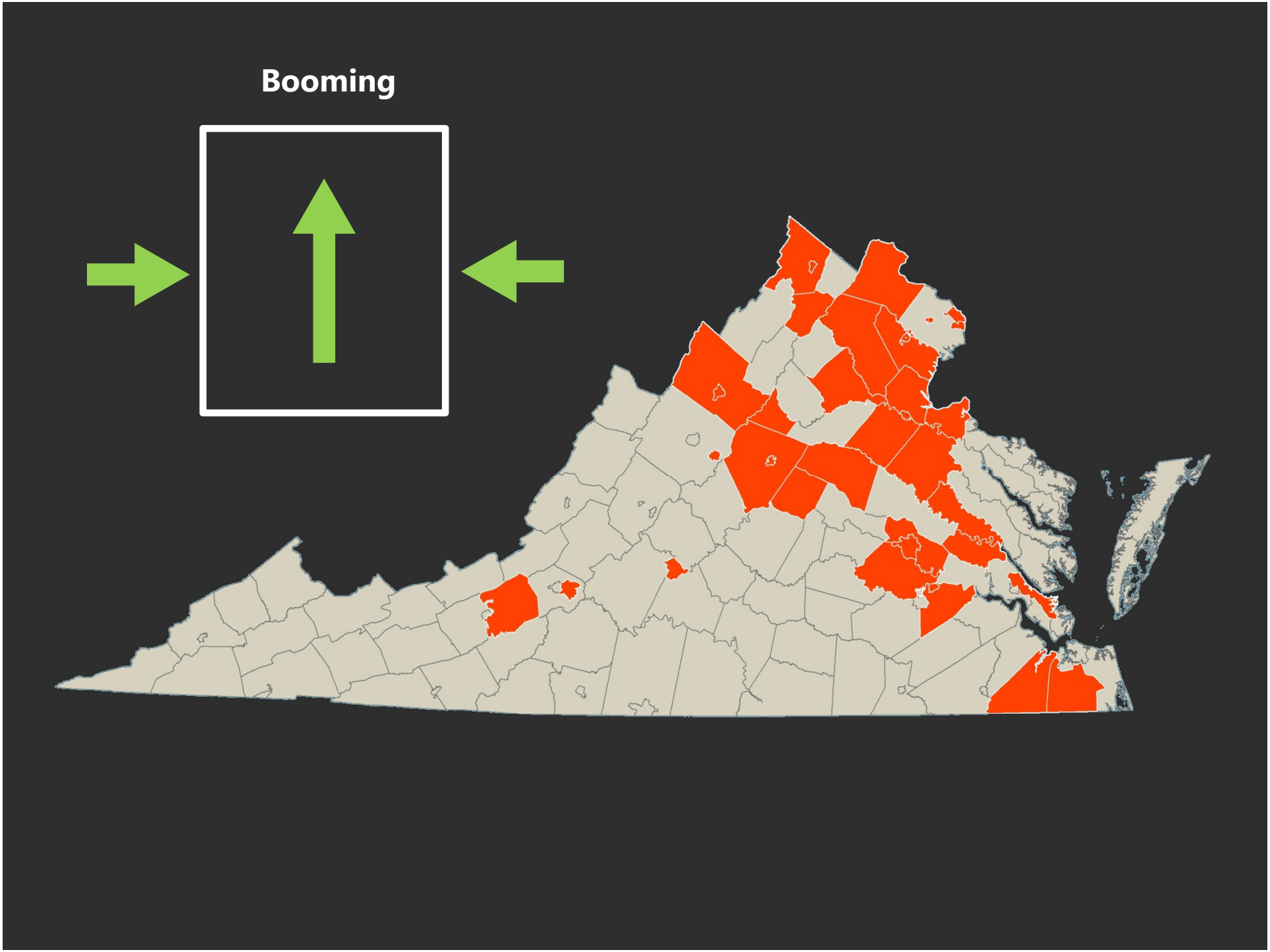

Booming
Shedding
Attracting
Declining


Booming


Shedding


Attracting


Declining


Booming

Booming

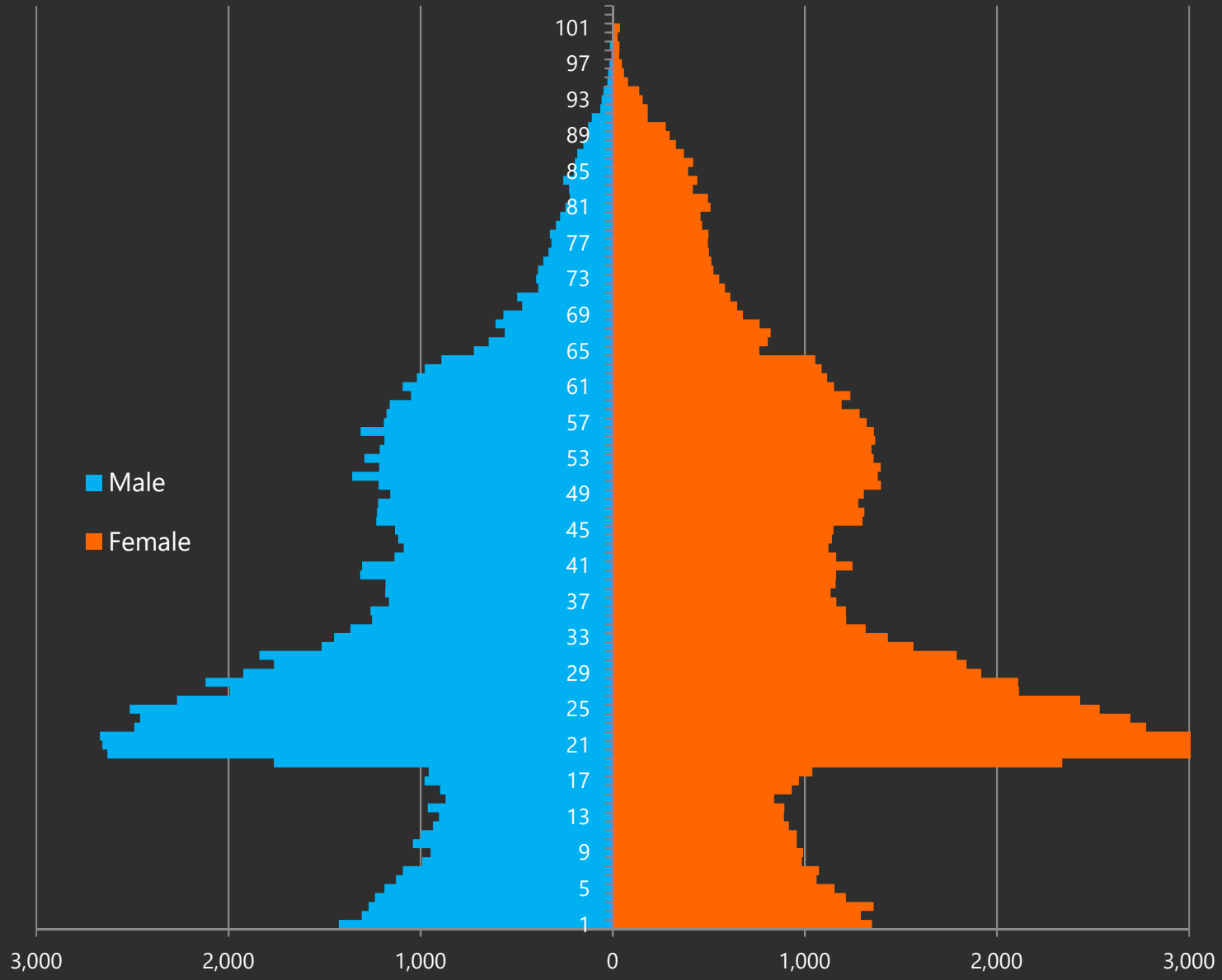
Revitalized Central Cities

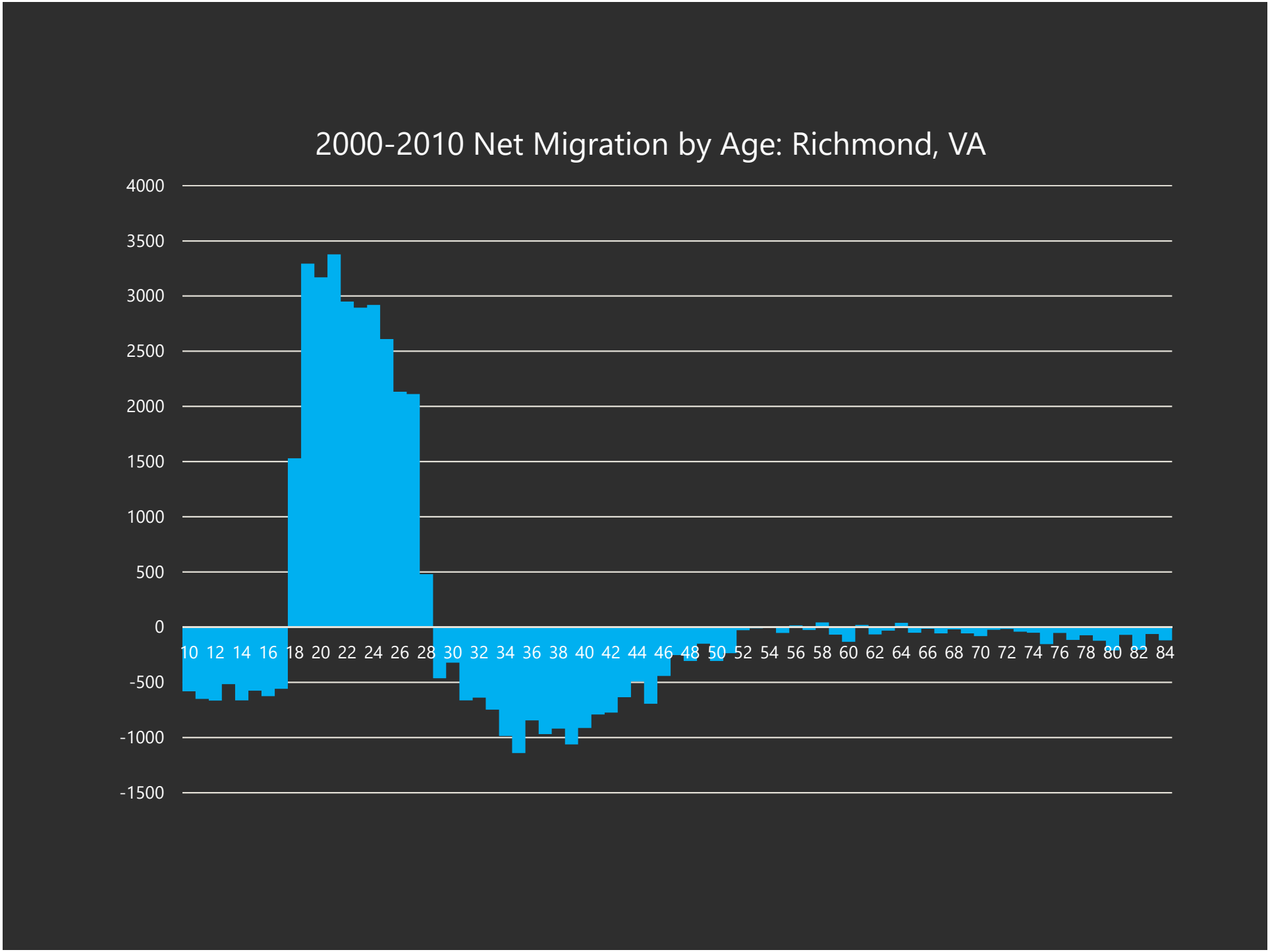
- In metro areas with strong economies
- With urban amenities
- Colleges, hospitals, tech
- Attracting educated young adults

Expanding Suburbs

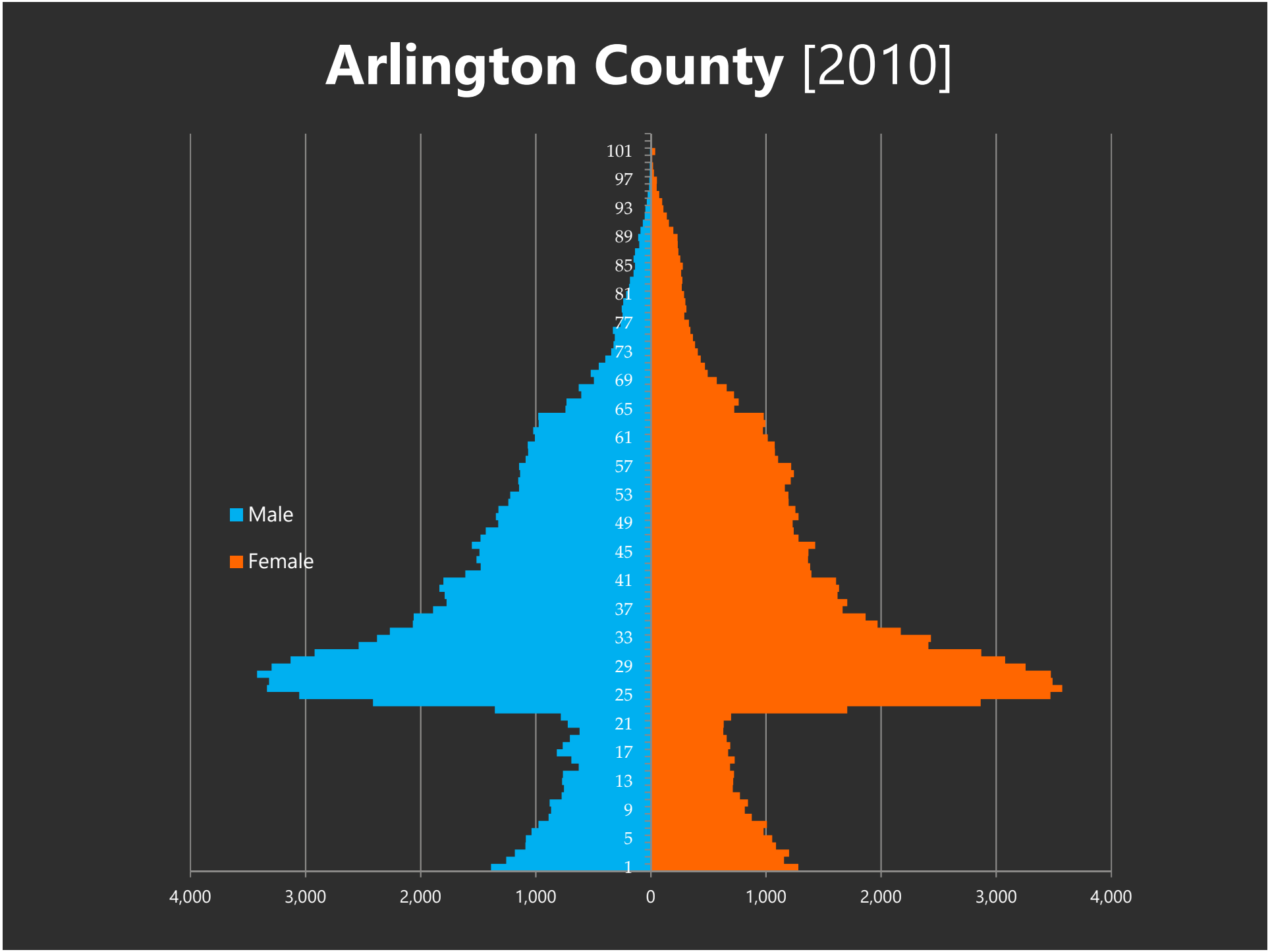
- In metro areas with strong economies
- With room to grow
- Attracting families from central city, as well as other age groups

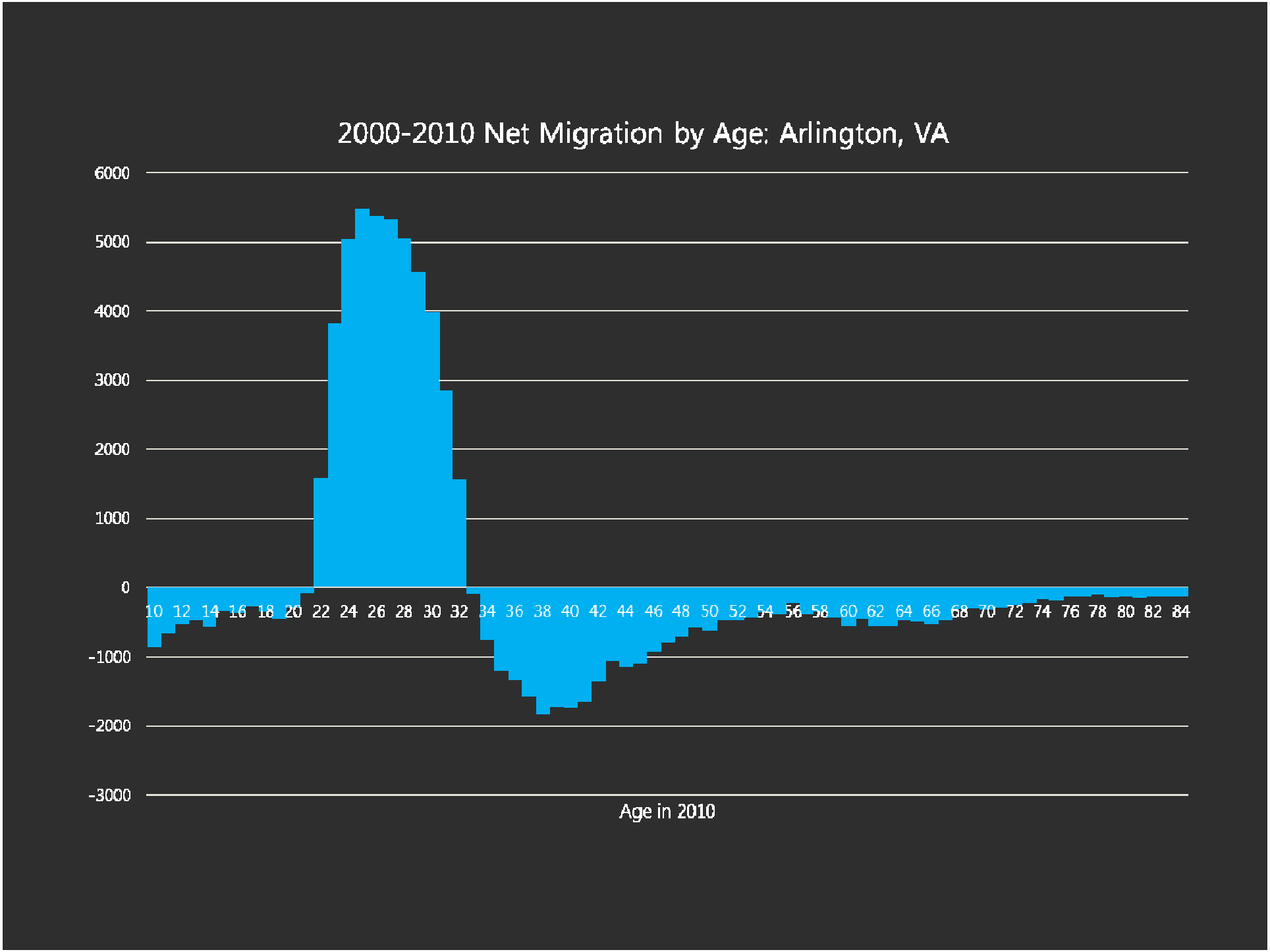
Richmond City [2010]

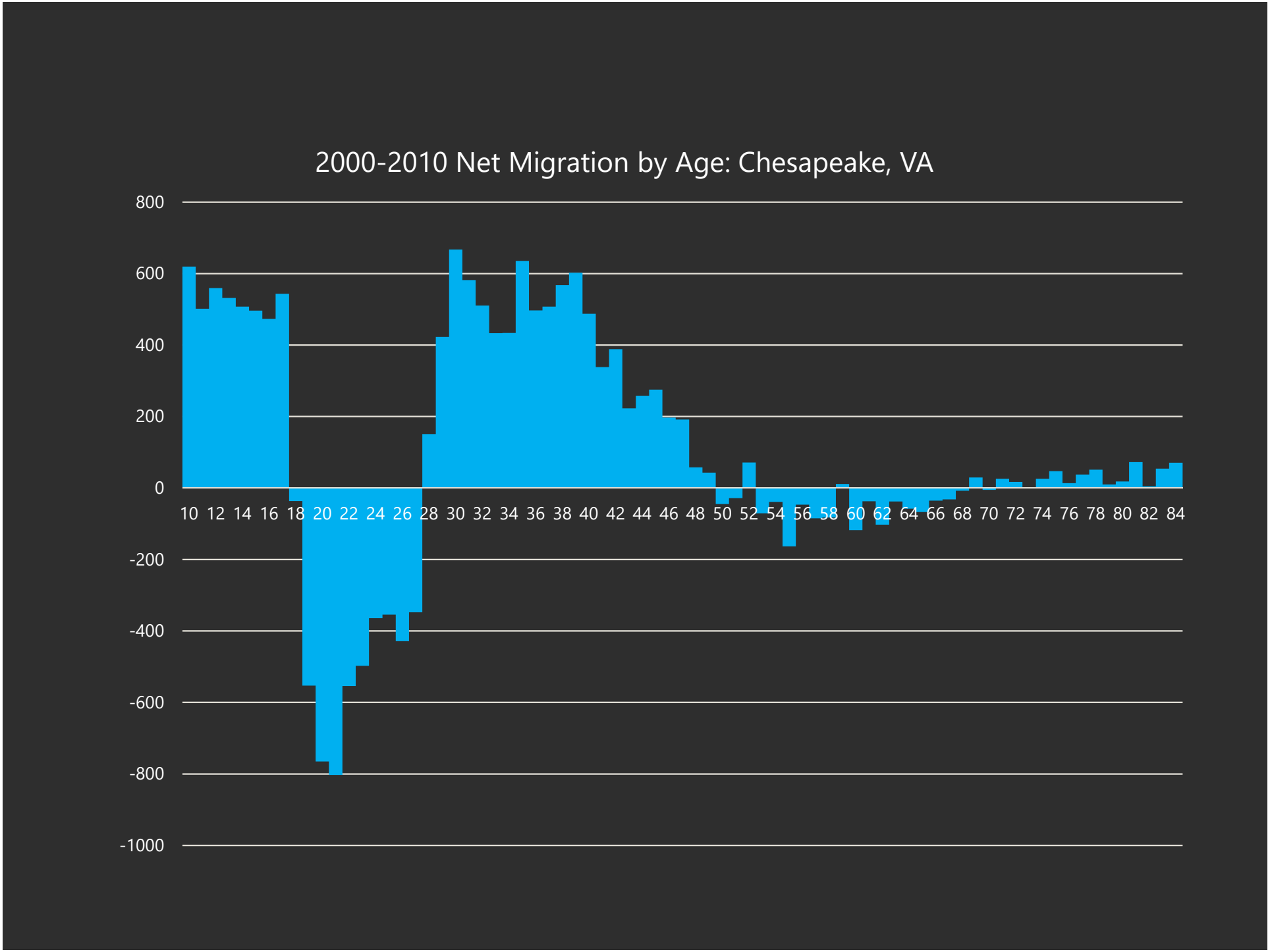



2000-2010 Net Migration by Age: Richmond, VA
4000
3500
3000
2500
2000
1500
1000
500
0
-500
-1000
-1500
10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84

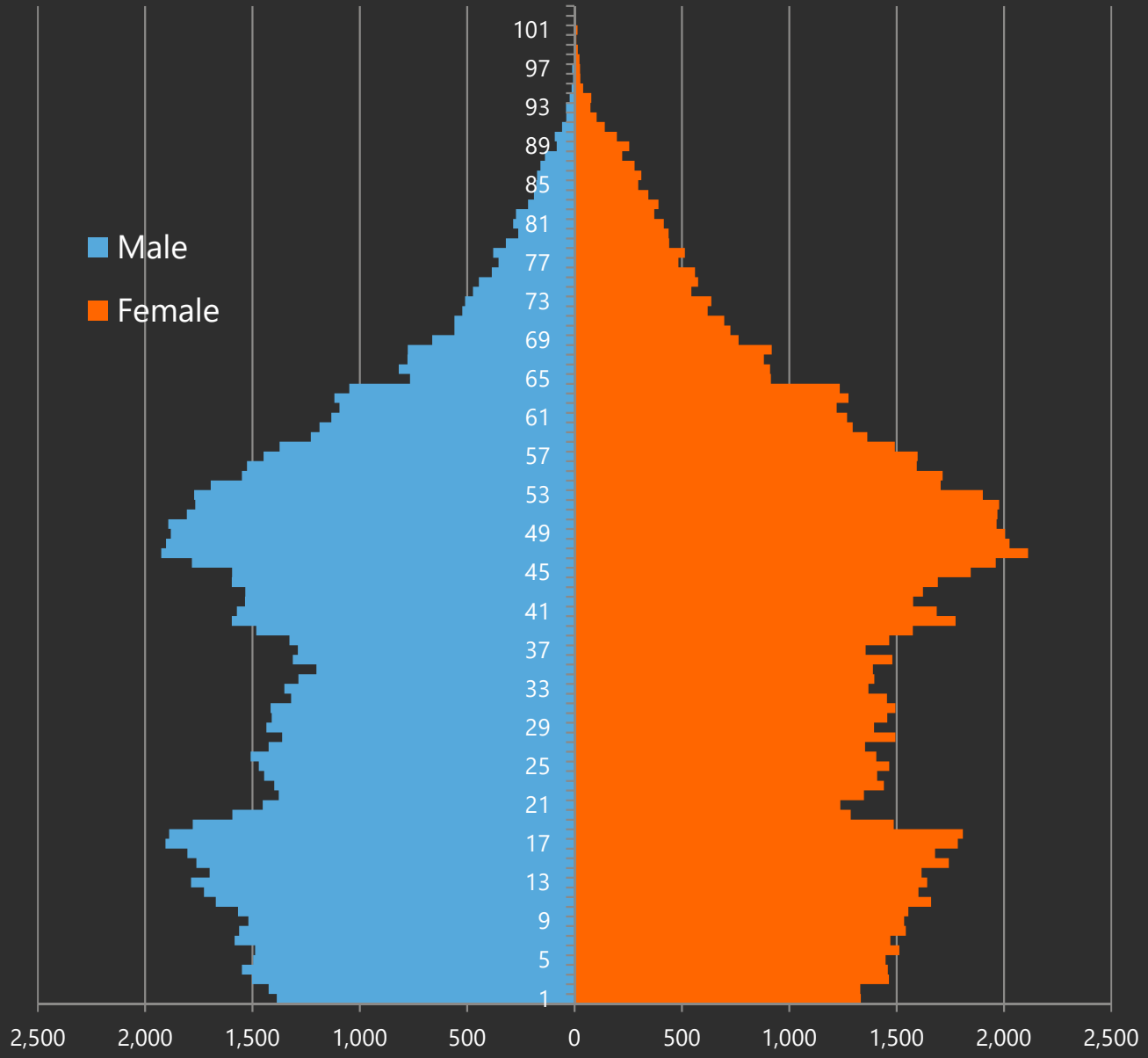
Arlington County [2010]



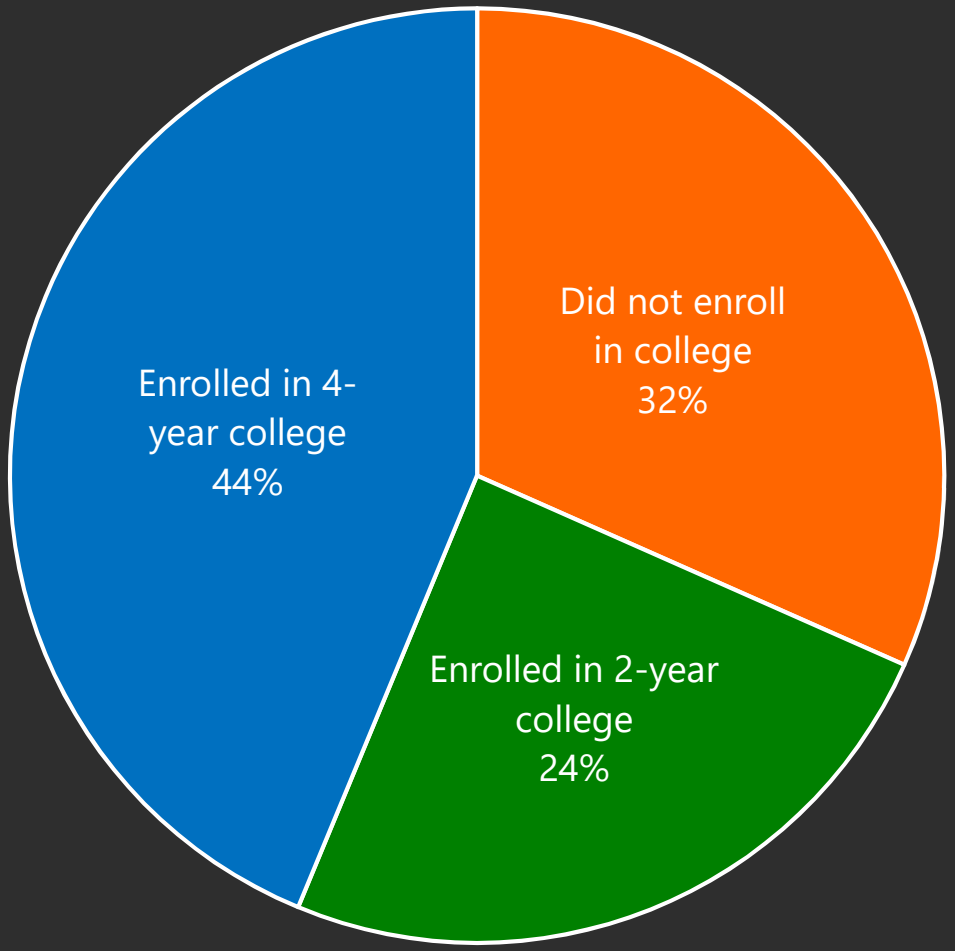

2000-2010 Net Migration by Age: Arlington, VA
6000
5000
4000
3000
2000
1000
0
-1000
-2000
-3000
10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84
Age in 2010


2000-2010 Net Migration by Age: Chesapeake, VA
800
600
400
200
0
-200
-400
-600
-800
-1000
10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84

Chesapeake City [2010]

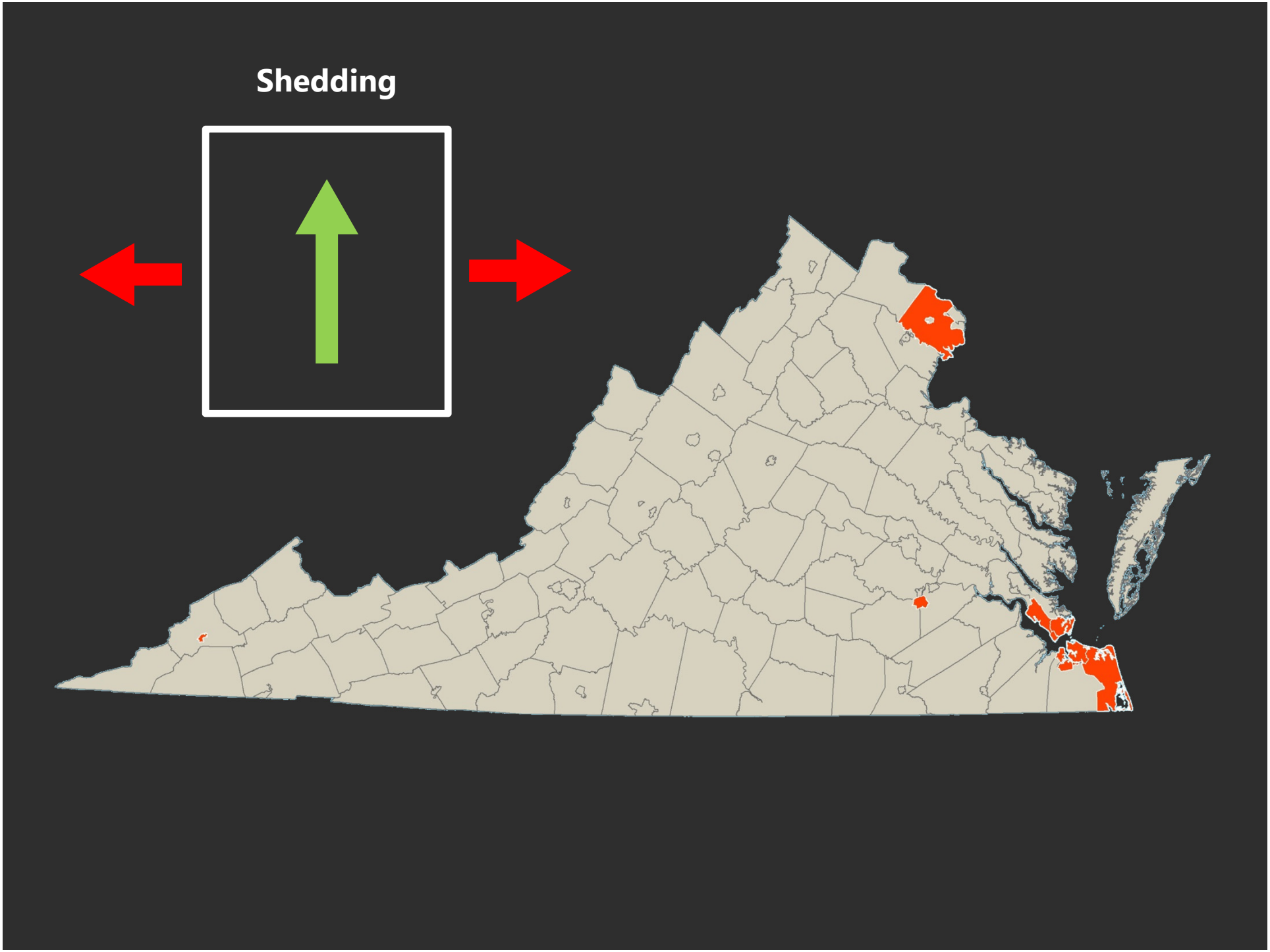


2014 U.S. High School Graduates

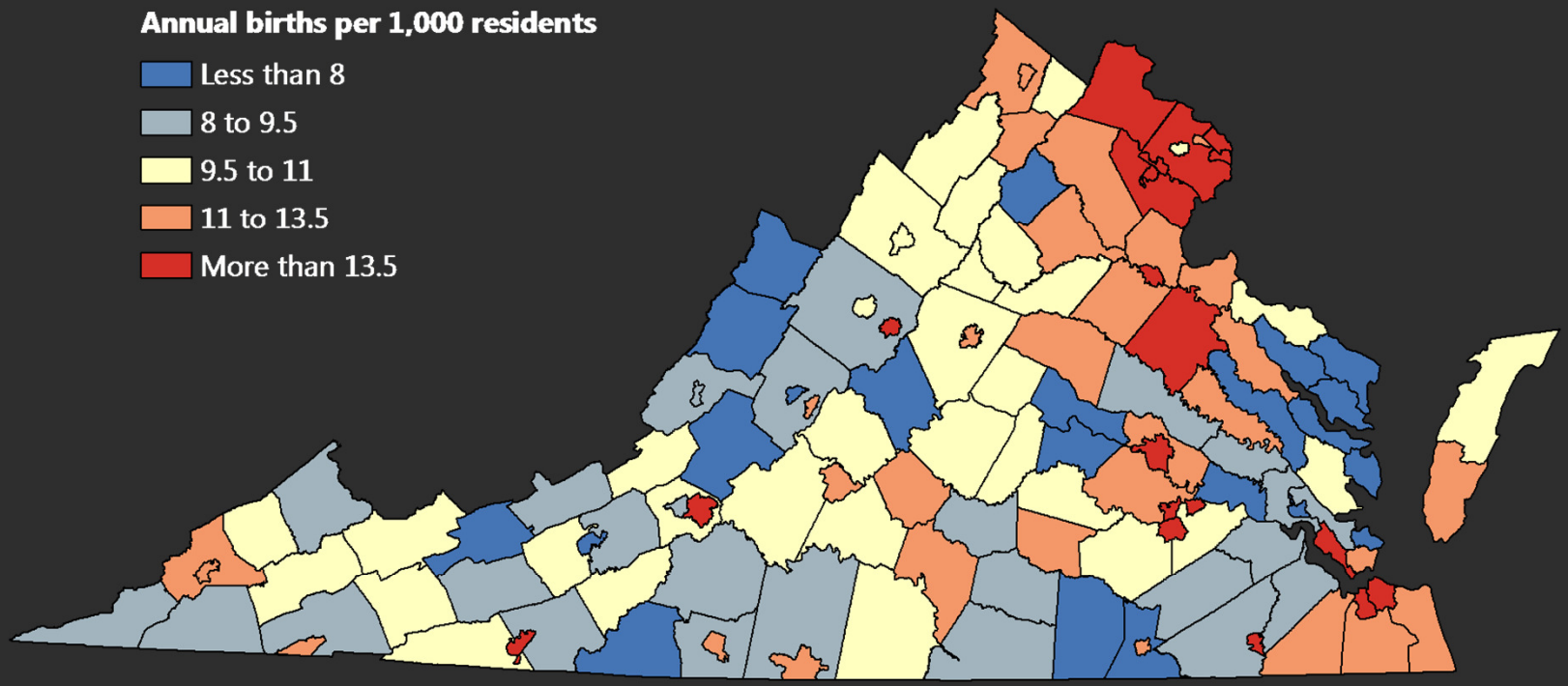


Bureau of Labor Statistics, "College Enrollment and Work Activity of 2014 High School Graduates," April 16,2015. http://www.bls.gov/news.release/hsgec.nr0.htm

- Nearly a quarter of Arlington's residents are **25-34 year-old college graduates**
- Arlington and Alexandria combined have **4.5%** of the state's population, but **16.3%** of its **25-34 year-old college grads**
- **Northern Virginia** has just over a quarter of Virginia's population, but **over half** of its **college-educated 25-44 year-olds**

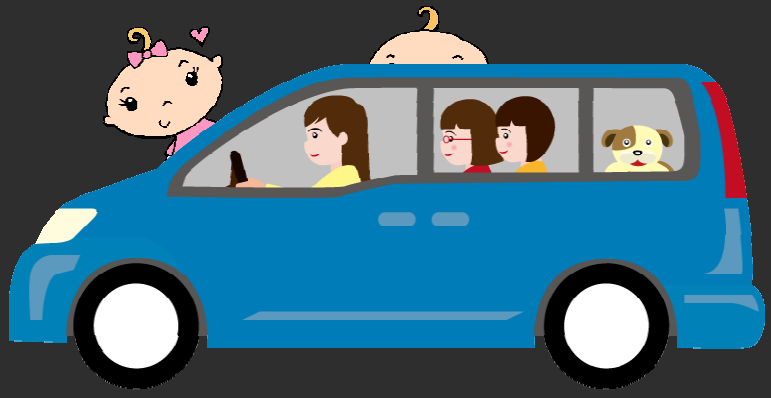

Shedding

Birth rate

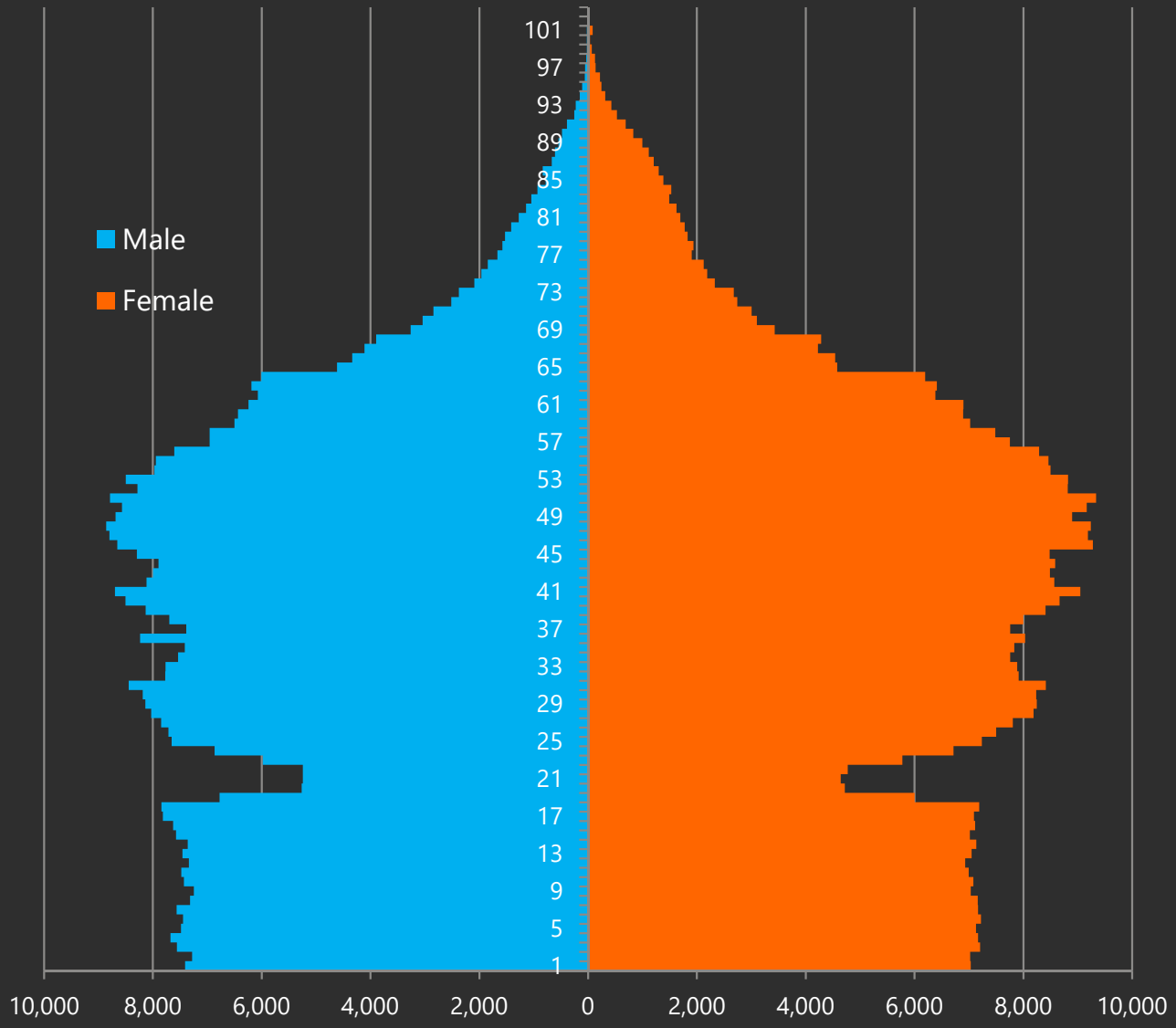

Annual births per 1,000 residents
Less than 8
8 to 9.5
9.5 to 11
11 to 13.5
More than 13.5

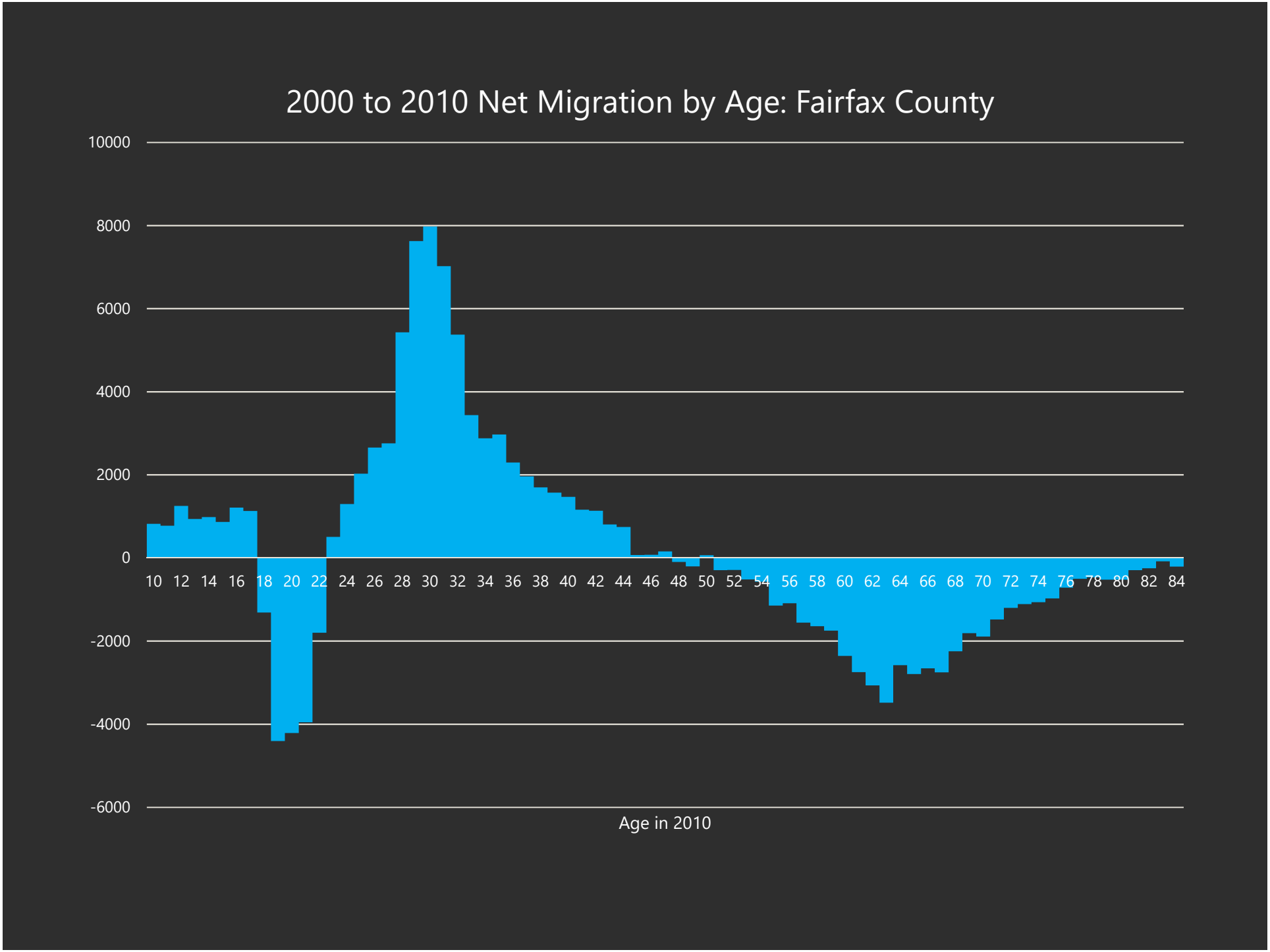
Why cities are always losing people but keep growing

+42

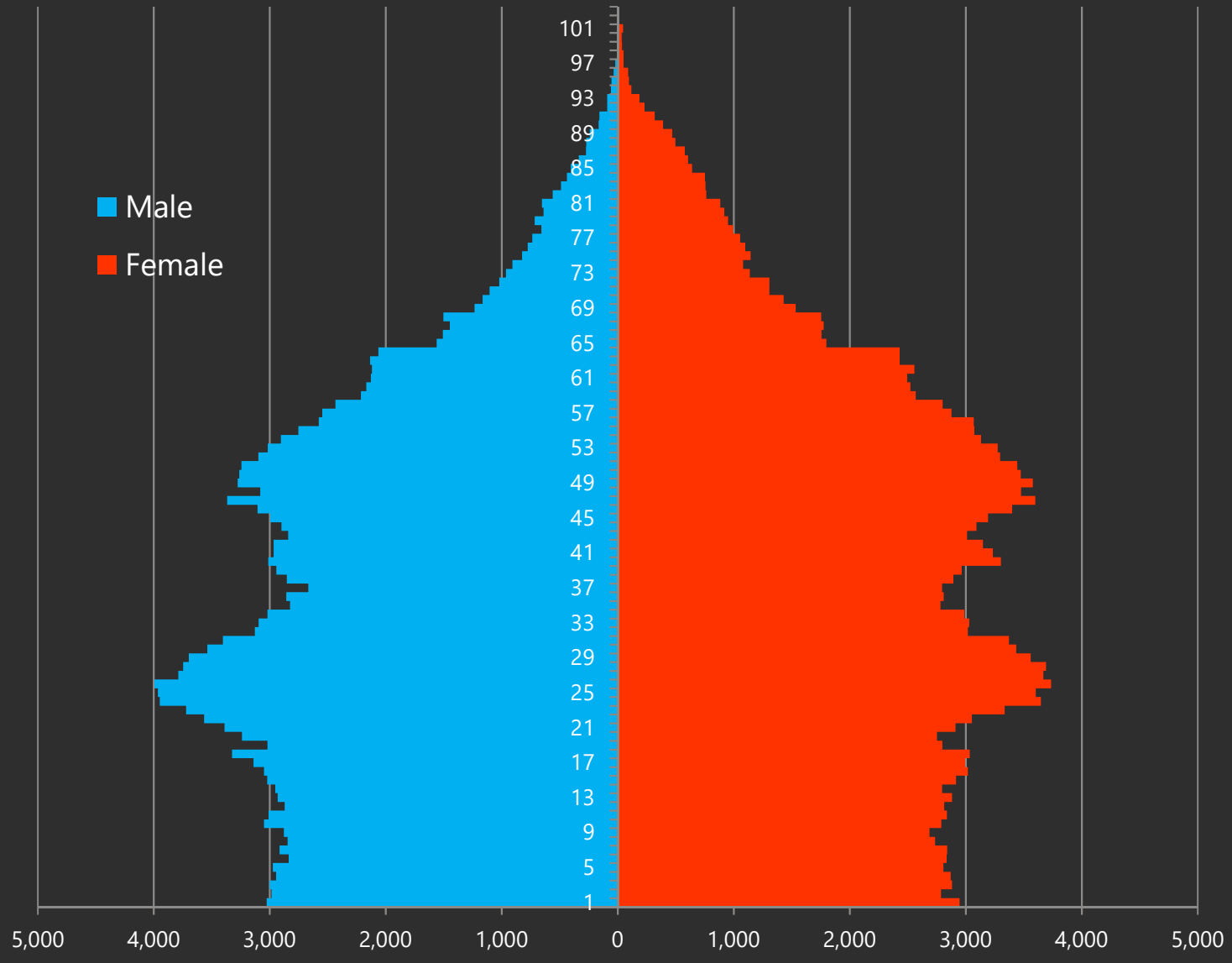


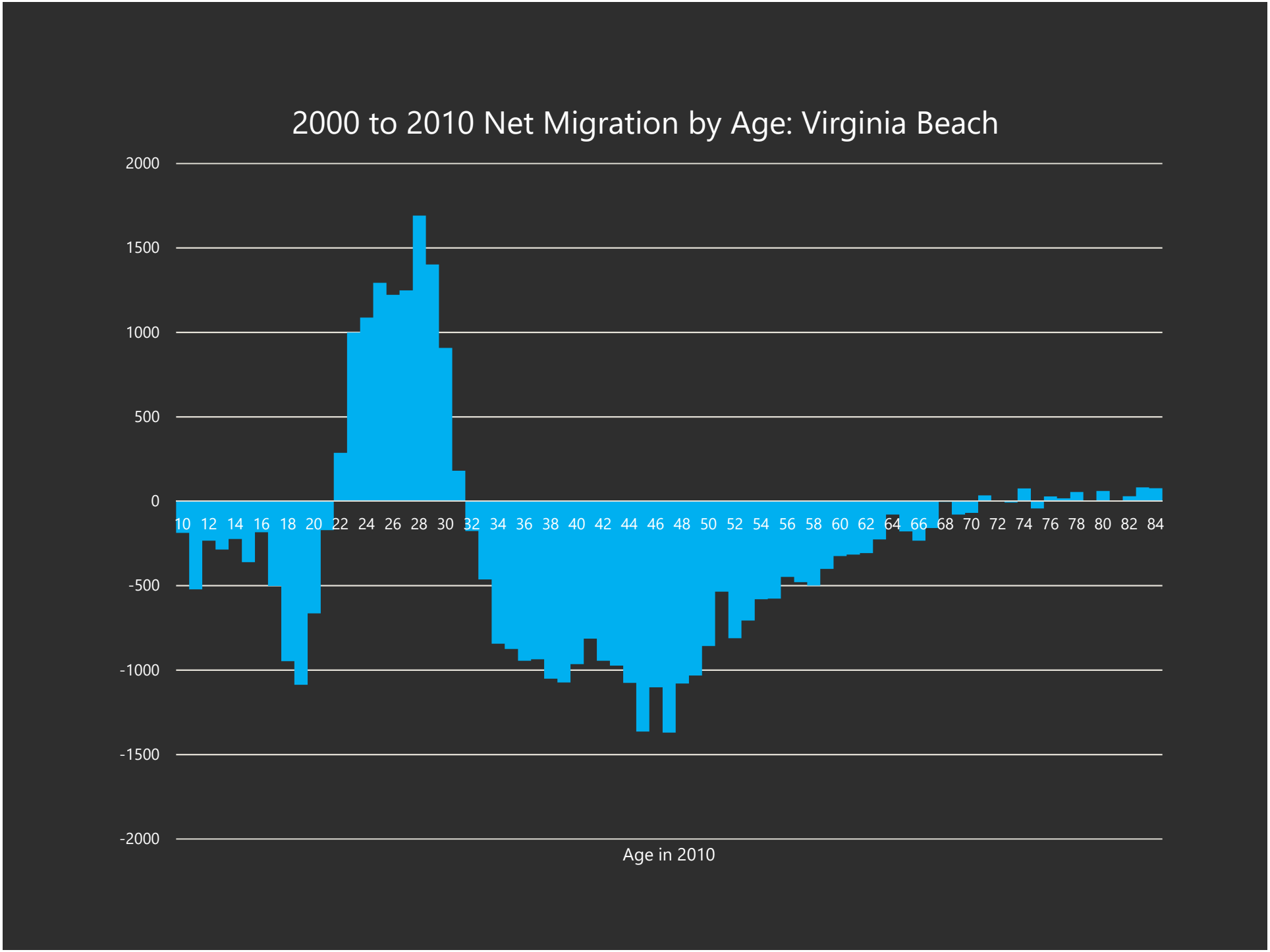
Fairfax County [2010]

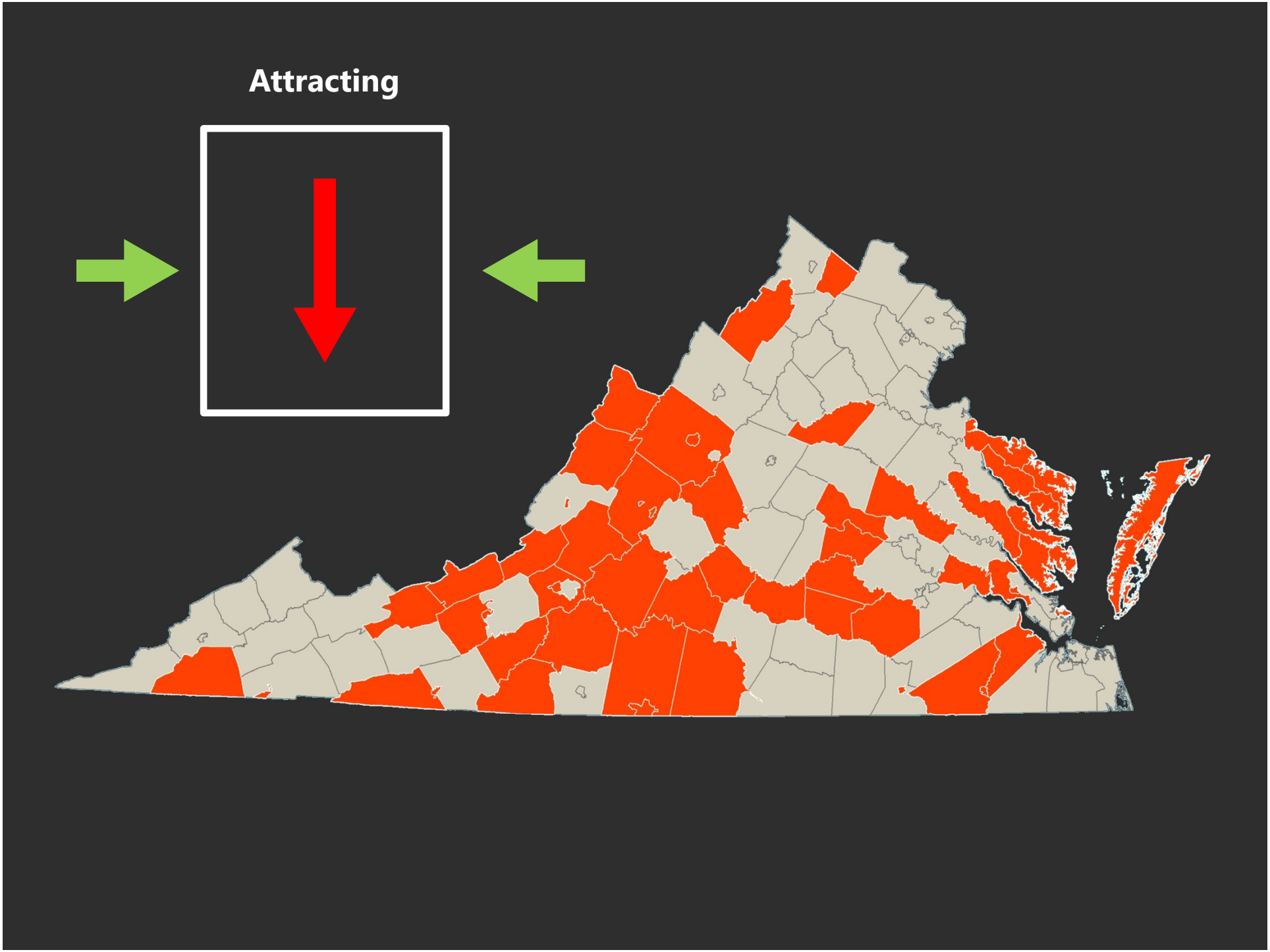


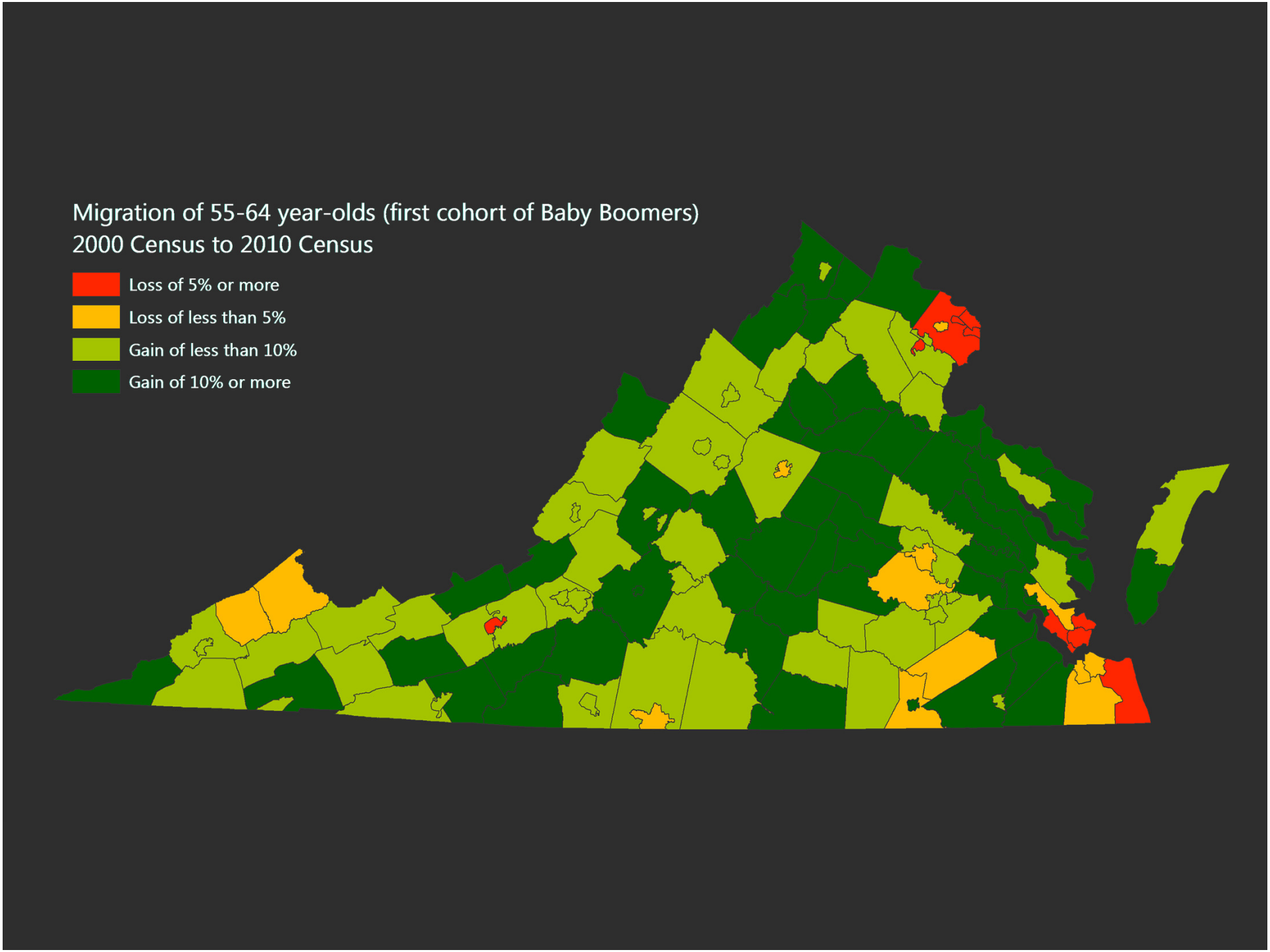

2000 to 2010 Net Migration by Age: Fairfax County
10000
8000
6000
4000
2000
0
-2000
-4000
-6000
10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84
Age in 2010

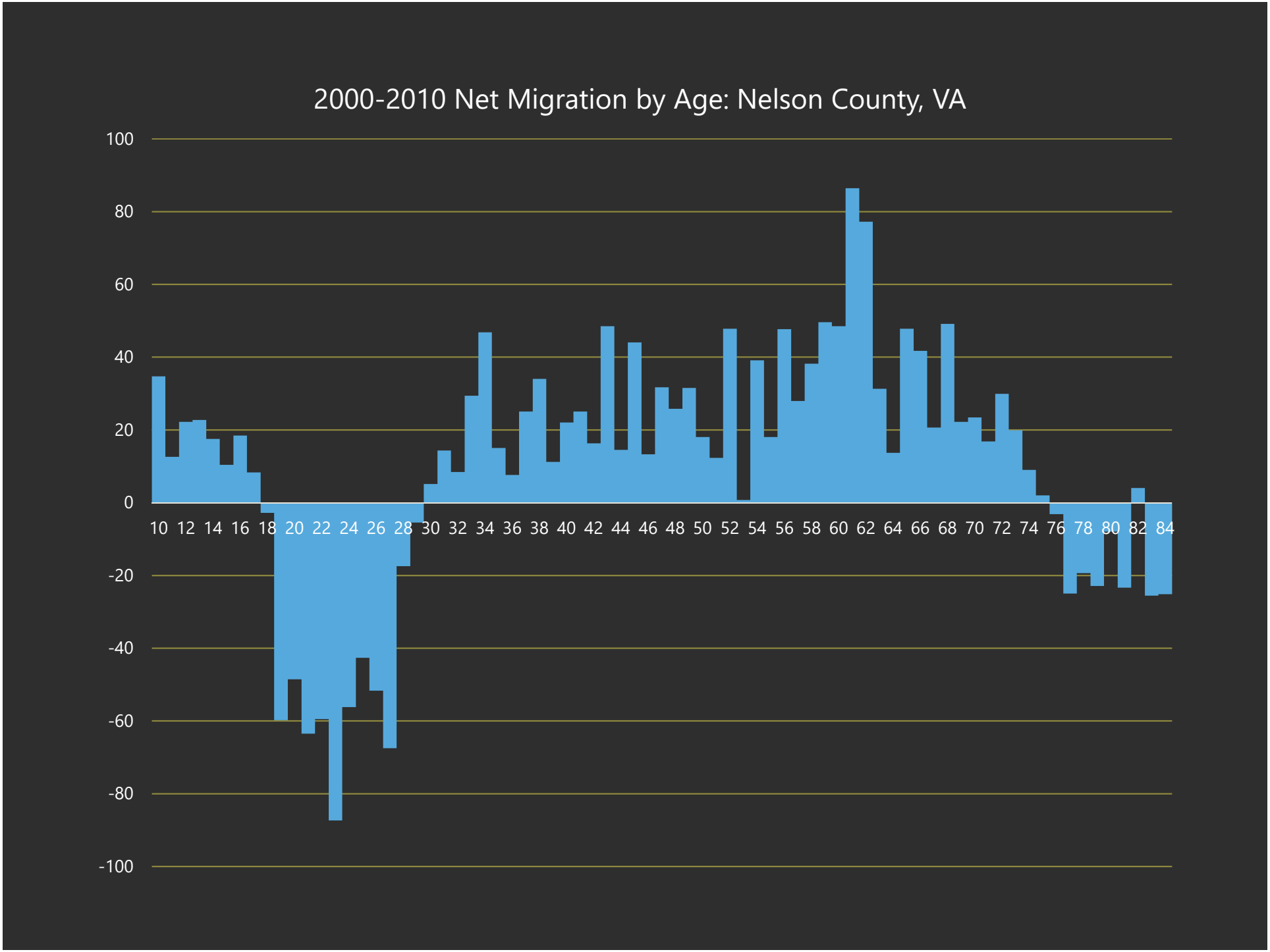
Virginia Beach [2010]

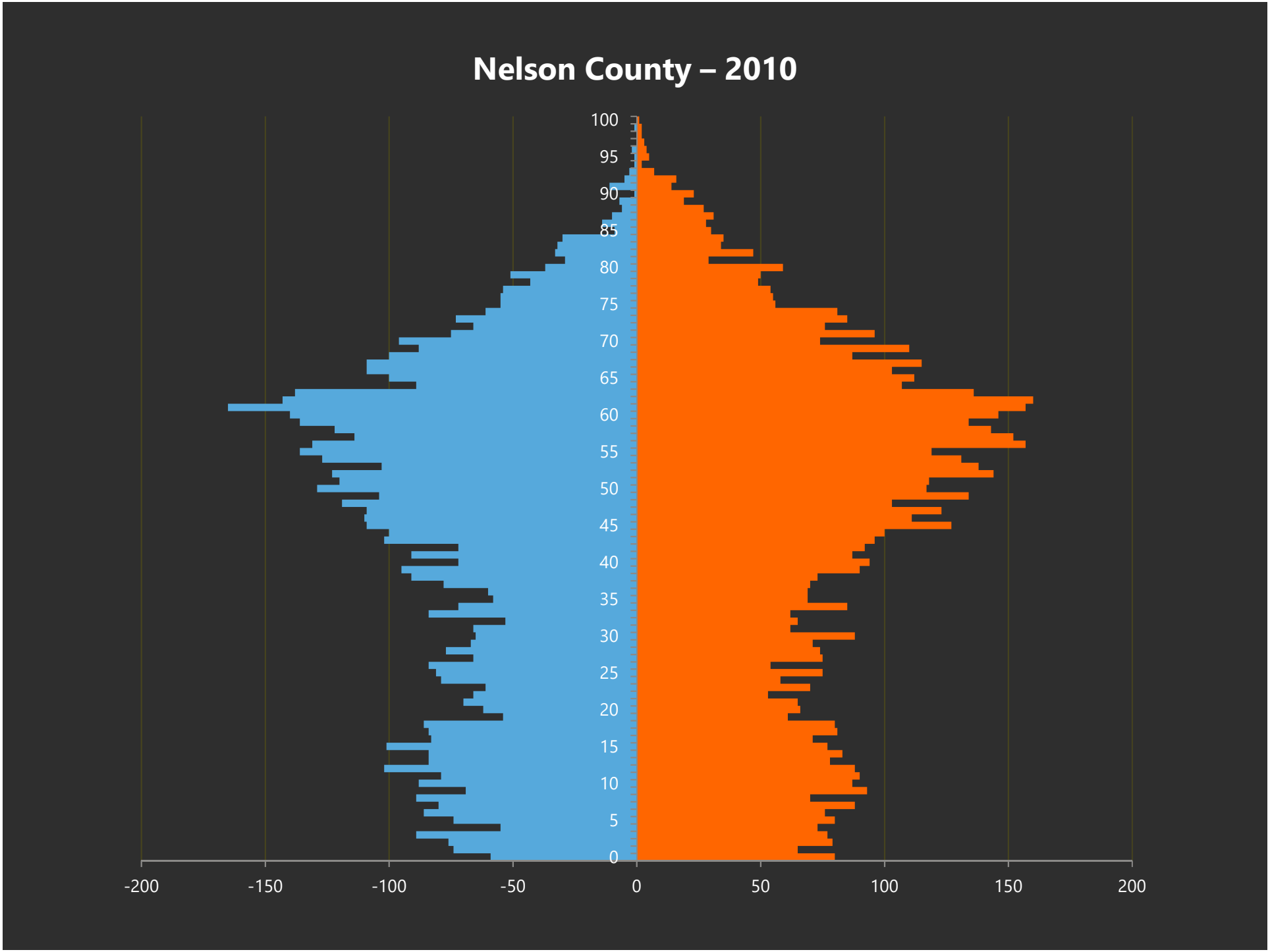


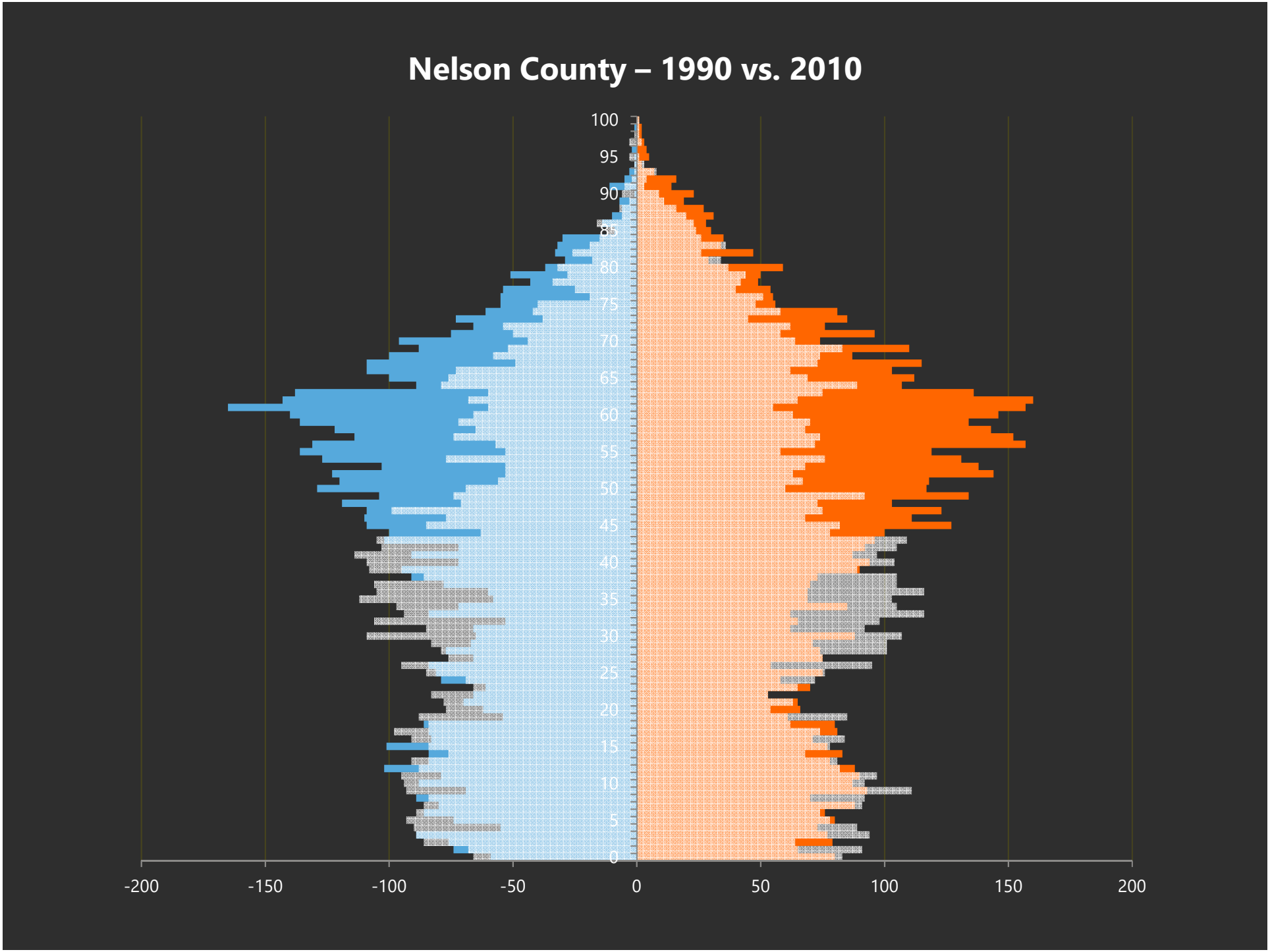

2000 to 2010 Net Migration by Age: Virginia Beach
2000
1500
1000
500
0
-500
-1000
-1500
-2000
10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84
Age in 2010


Attracting

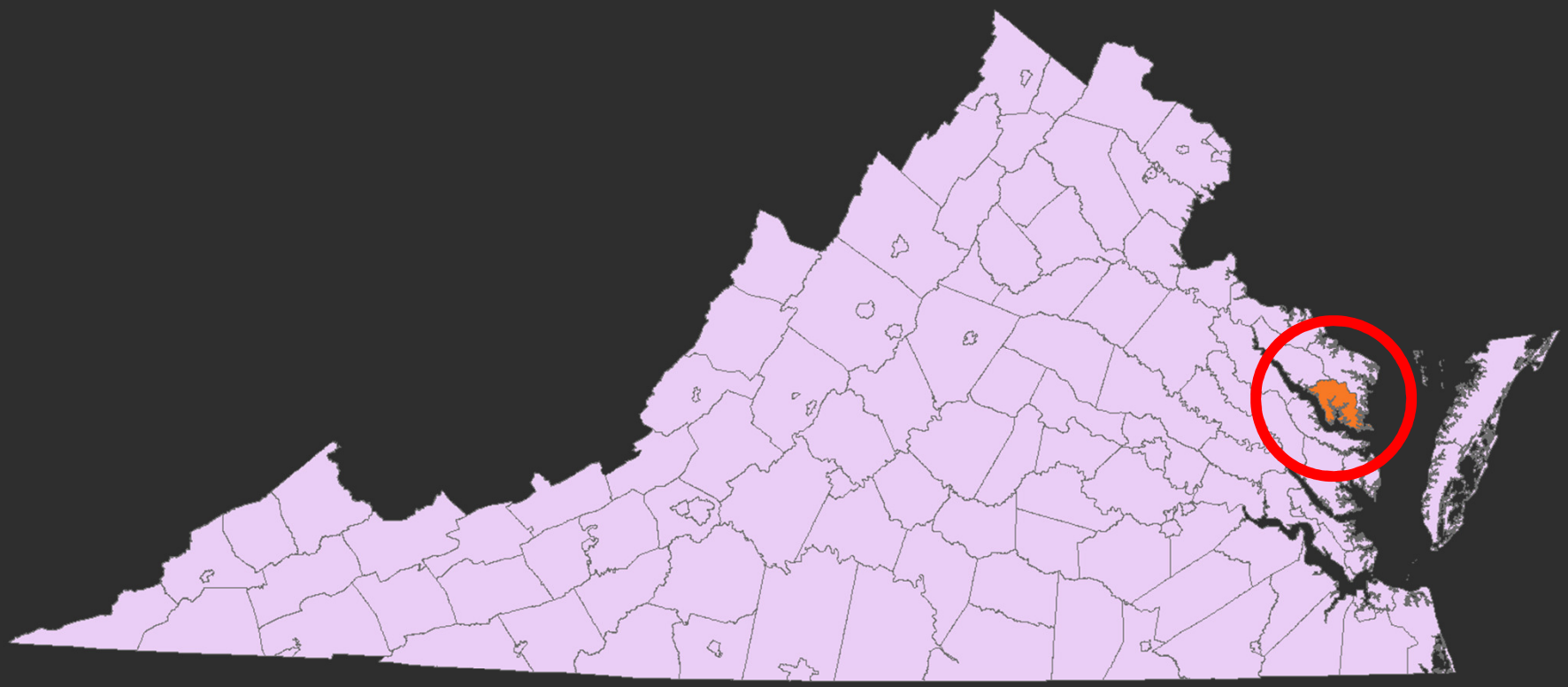

Migration of 55-64 year-olds (first cohort of Baby Boomers)
2000 Census to 2010 Census
Loss of 5% or more
Loss of less than 5%
Gain of less than 10%
Gain of 10% or more

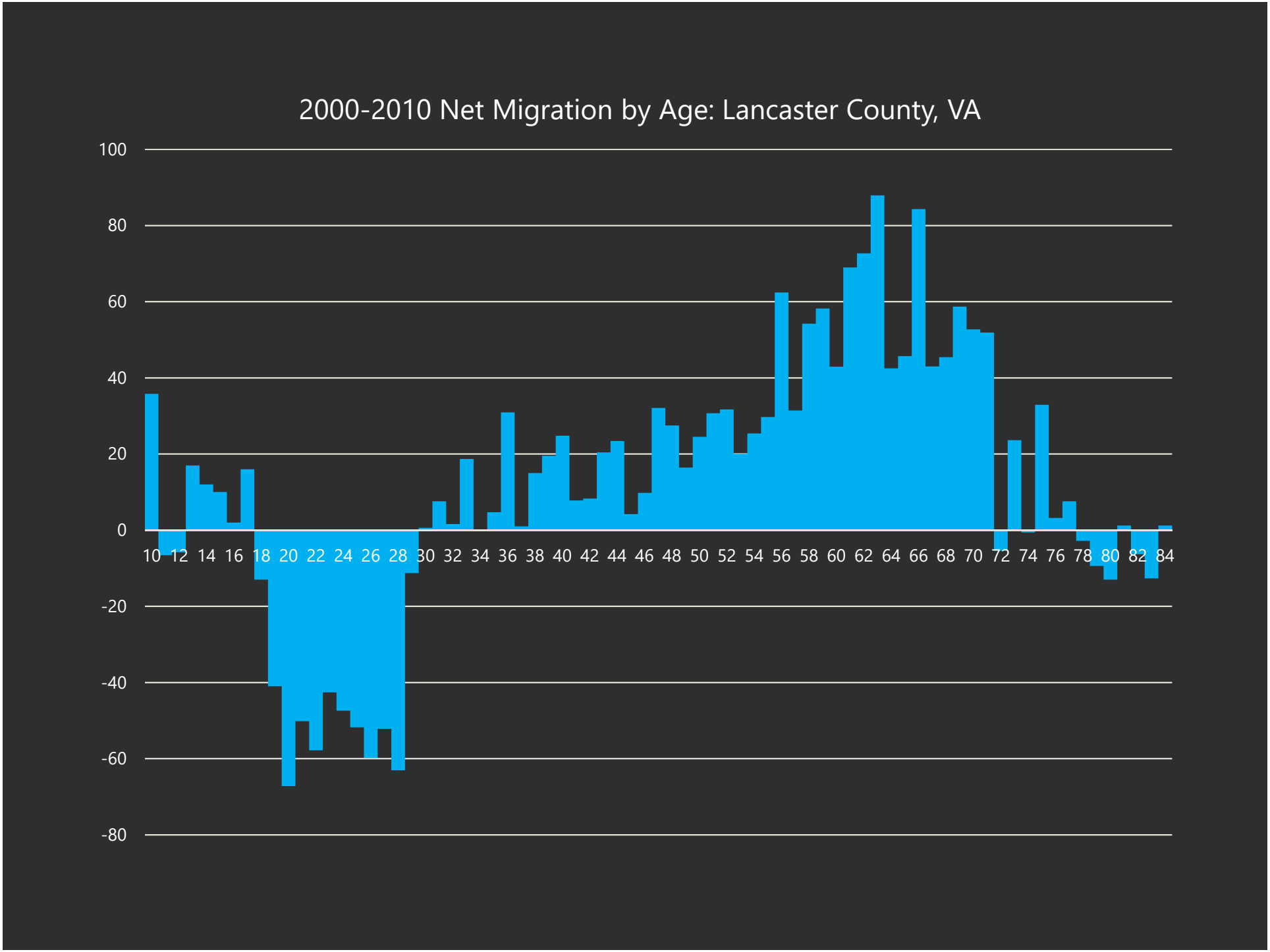

2000-2010 Net Migration by Age: Nelson County, VA
100
80
60
40
20
0
-20
-40
-60
-80
-100
10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84


Nelson County – 2010
100
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-200
-150
-100
-50
0
50
100
150
200

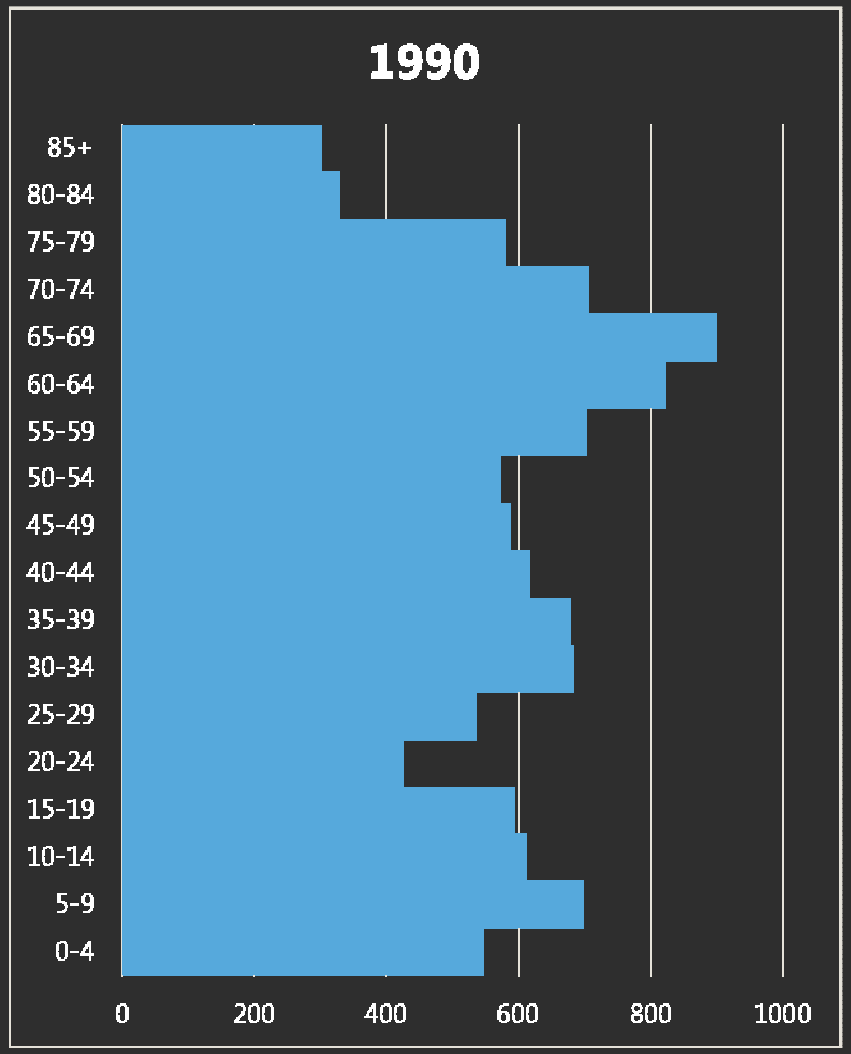

Nelson County – 1990 vs. 2010
100
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-200
-150
-100
-50
0
50
100
150
200

Lancaster County

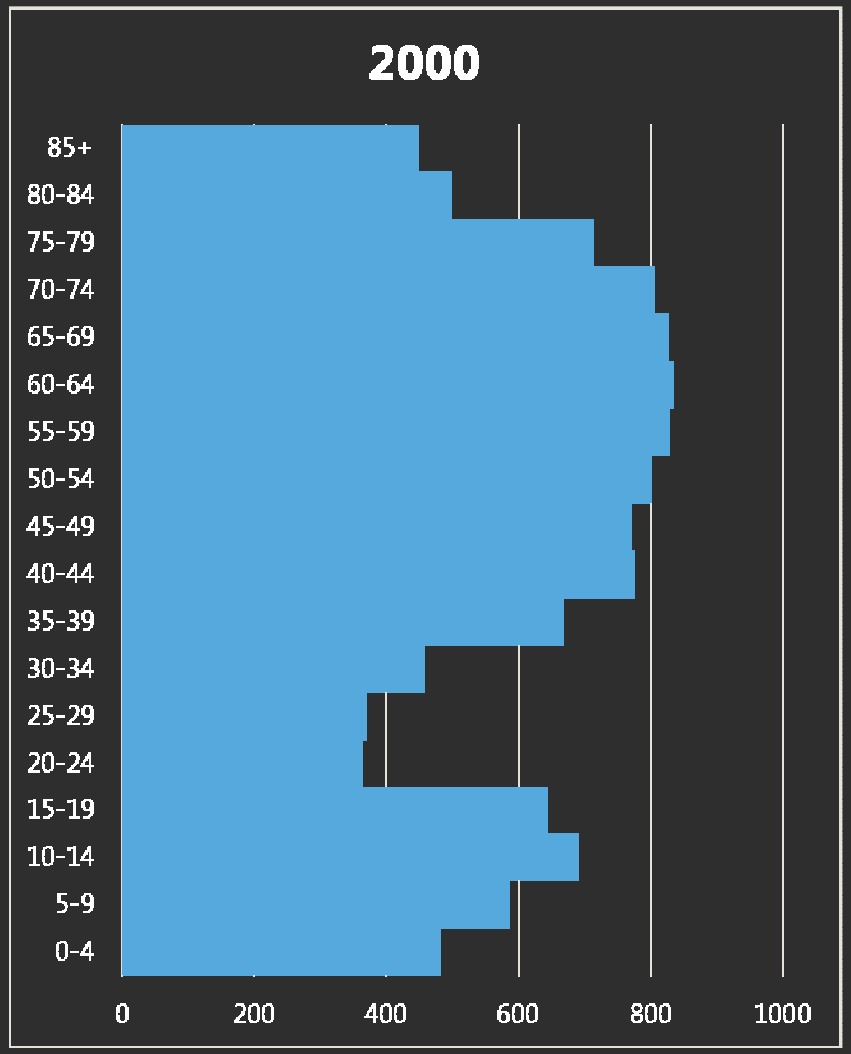



2000-2010 Net Migration by Age: Lancaster County, VA
100
80
60
40
20
0
-20
-40
-60
-80
10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84

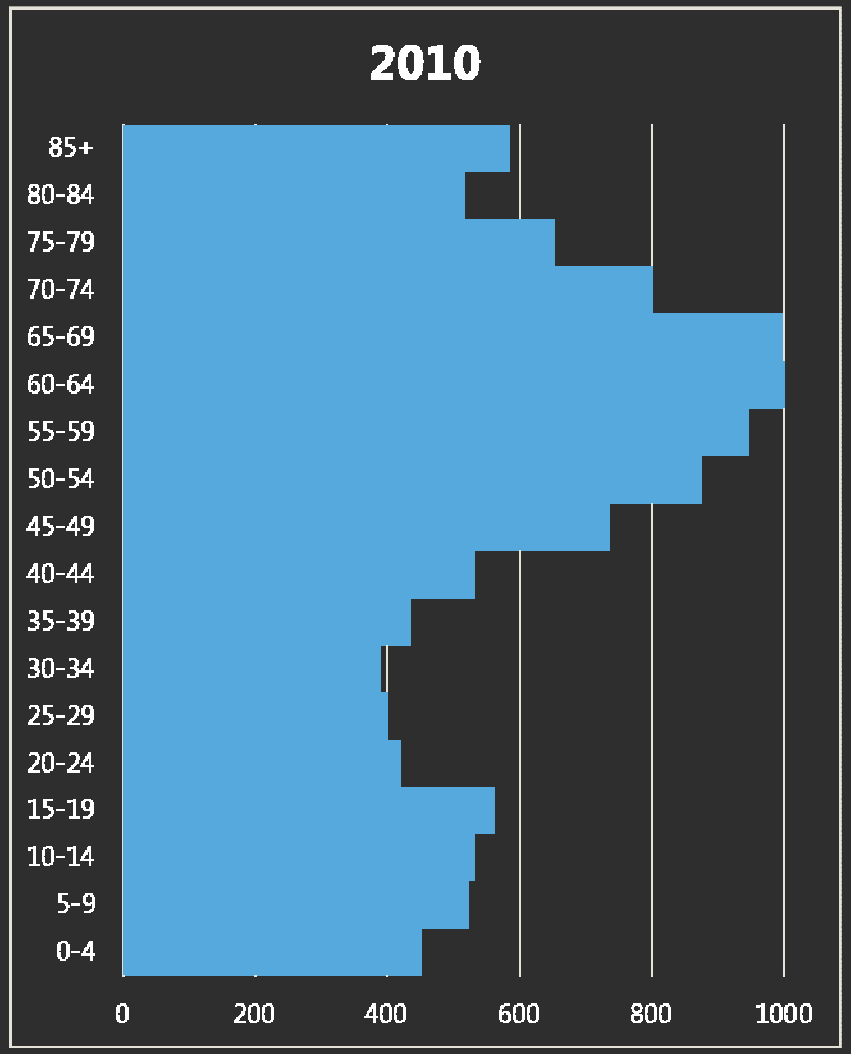
Lancaster County

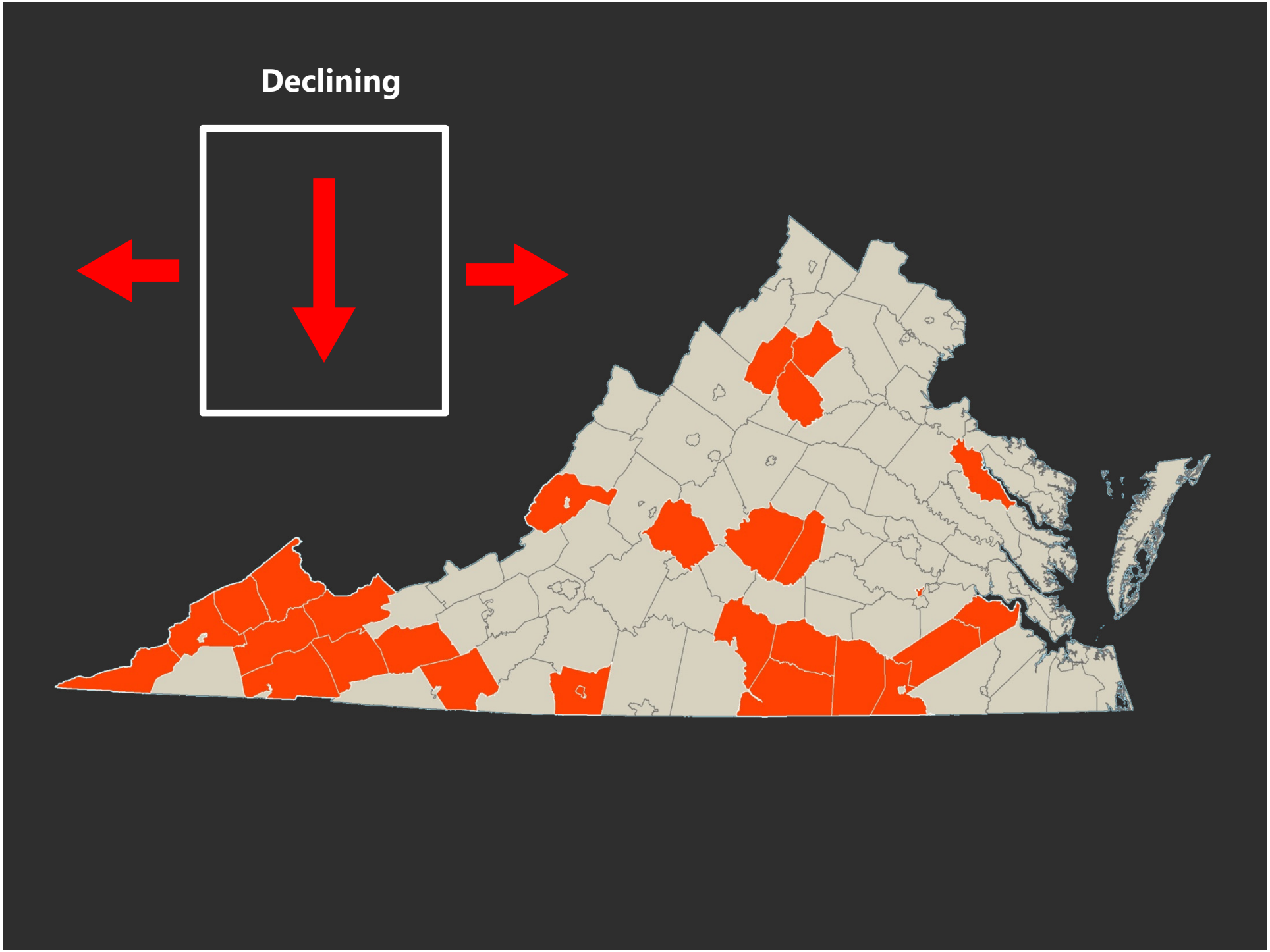


Lancaster County

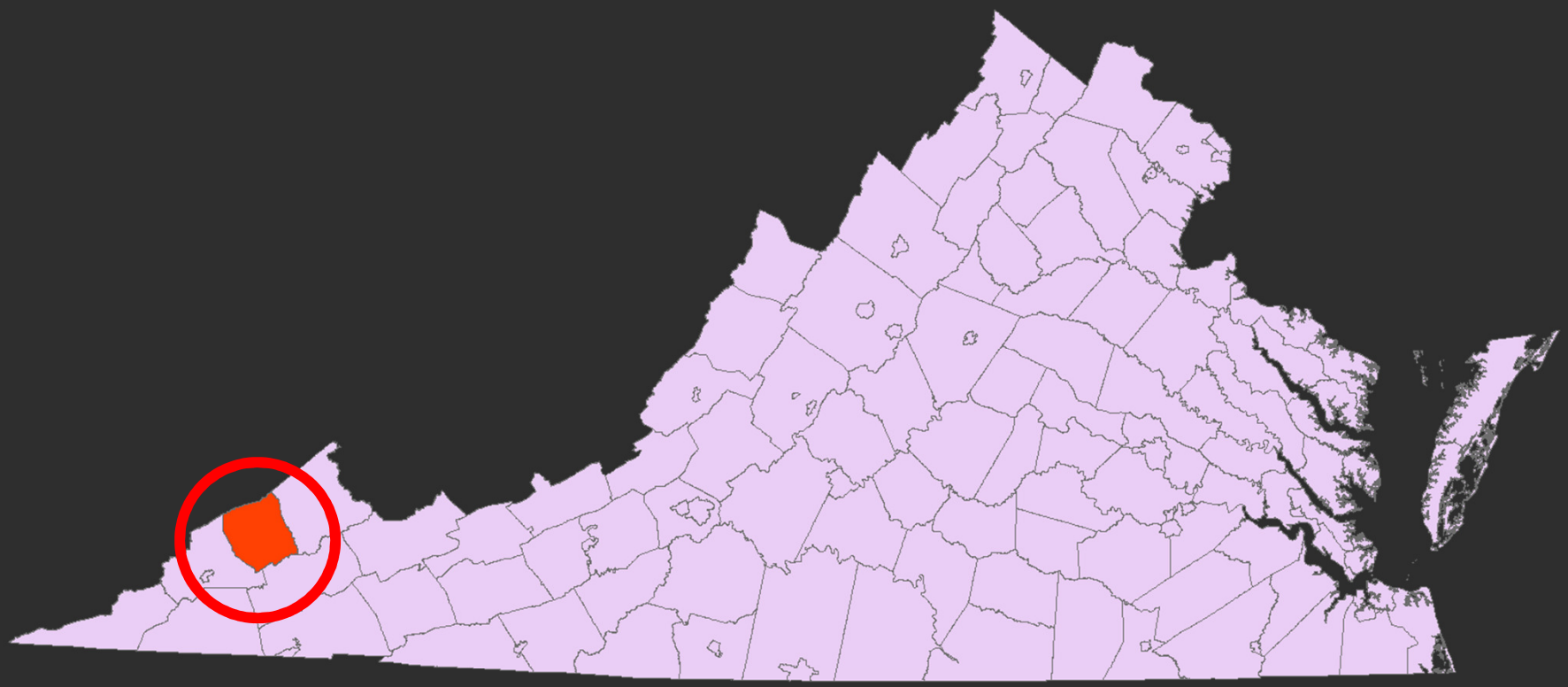


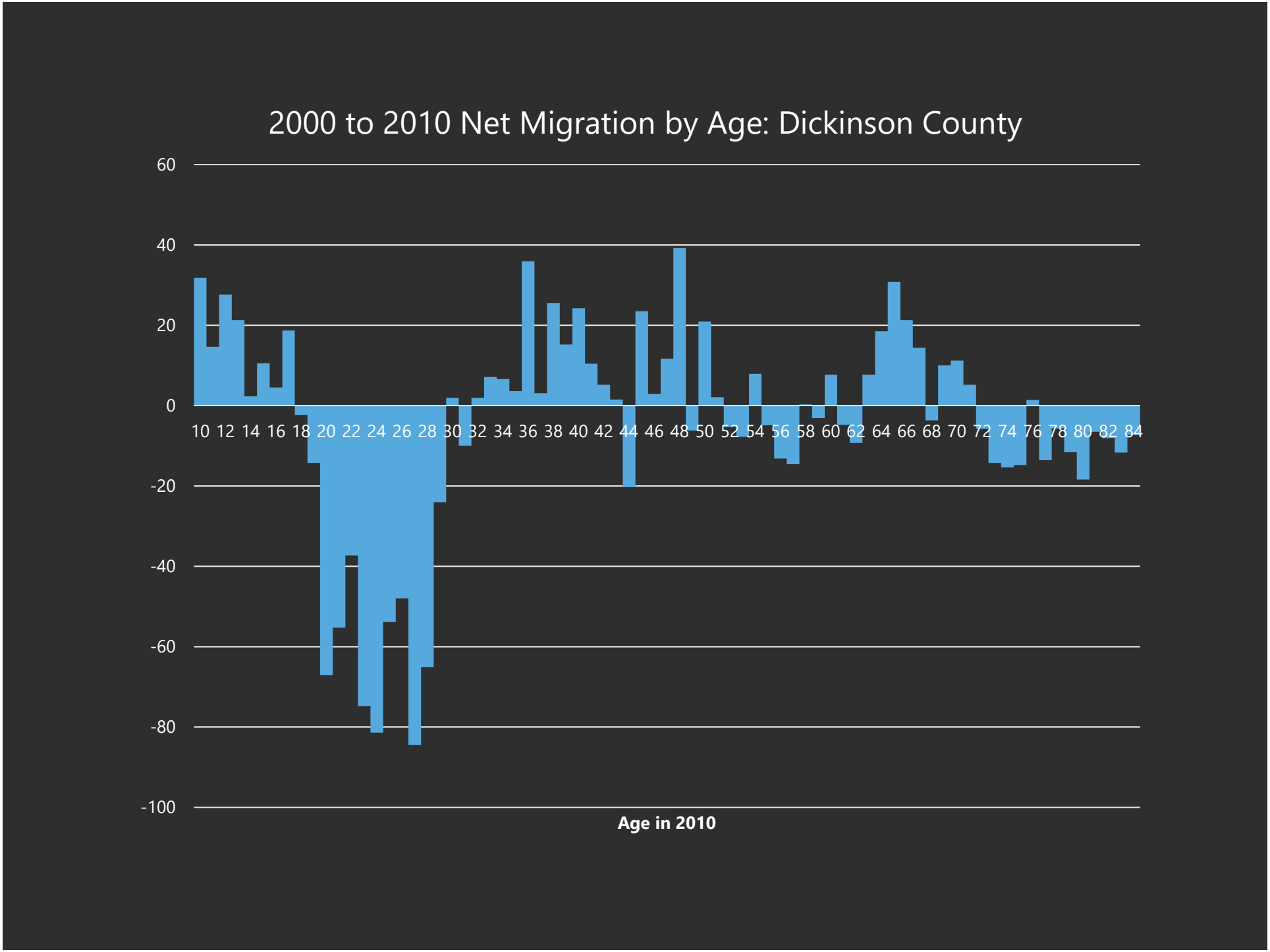
Lancaster County




Declining

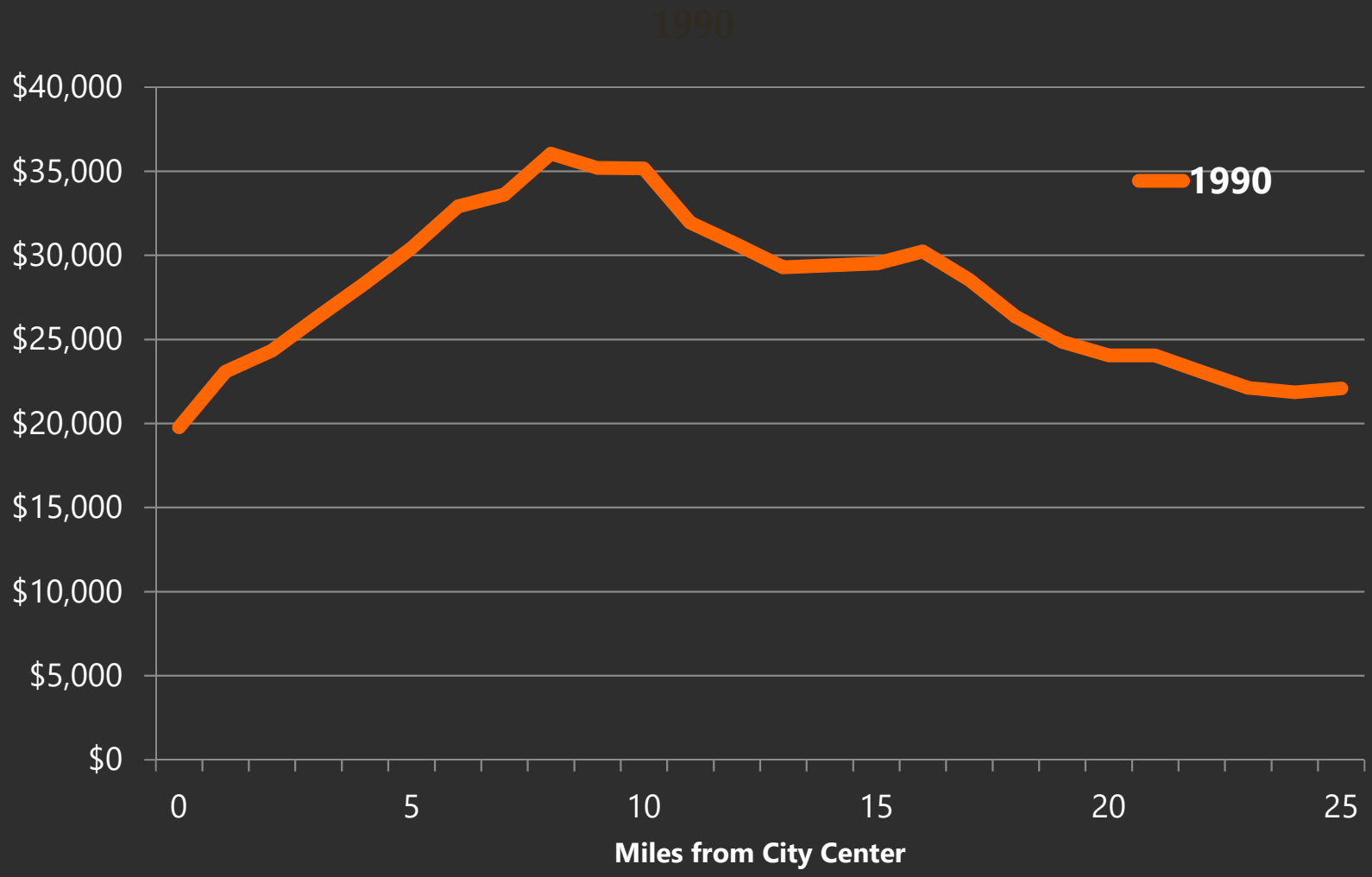
Dickinson County




2000 to 2010 Net Migration by Age: Dickinson County
60
40
20
0
-20
-40
-60
-80
-100
10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84
Age in 2010

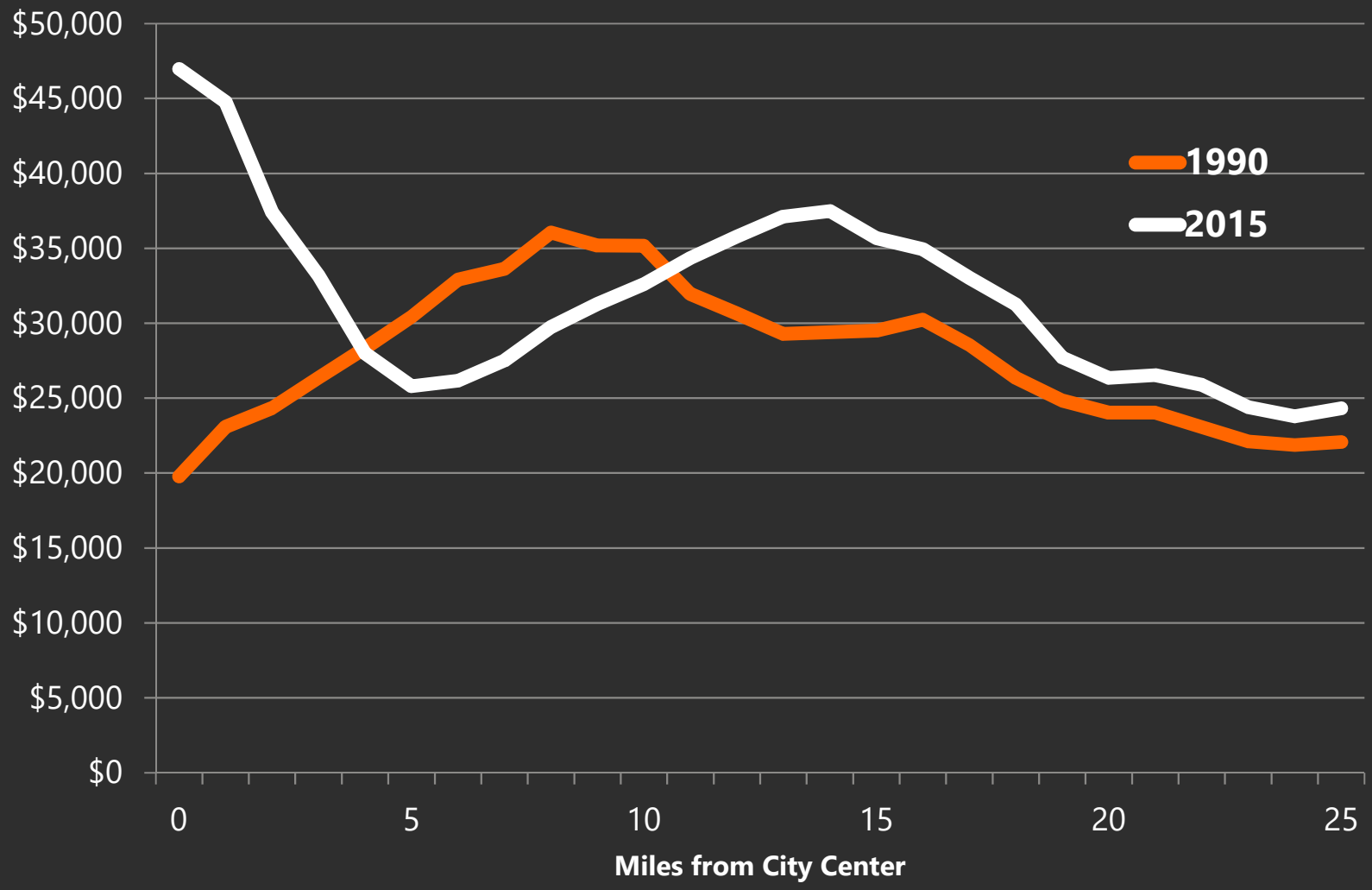
What's happening in metro areas

Money: per-capita income (Charlotte, NC)



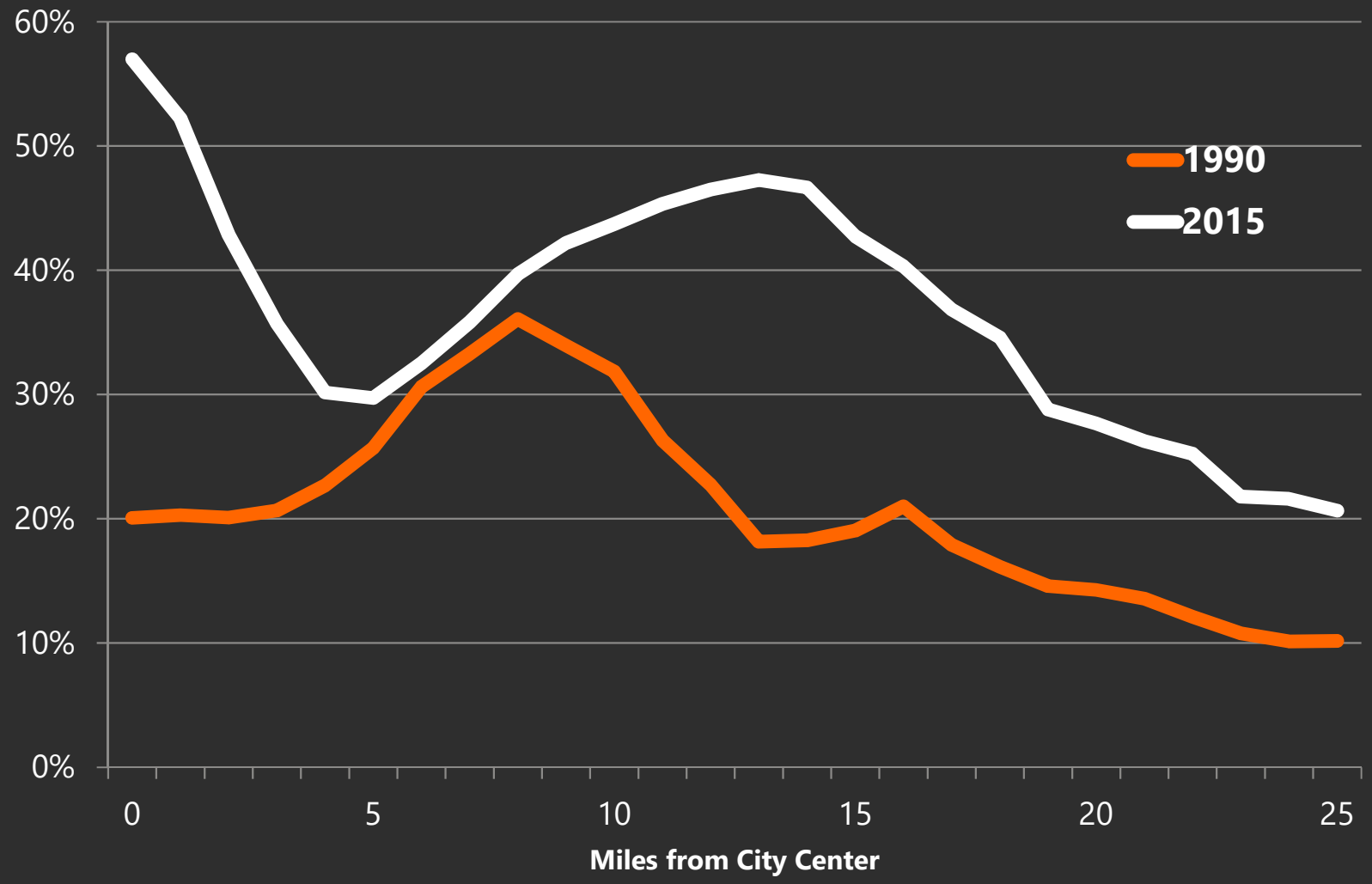
What's happening in metro areas

Money: per-capita income (Charlotte, NC)

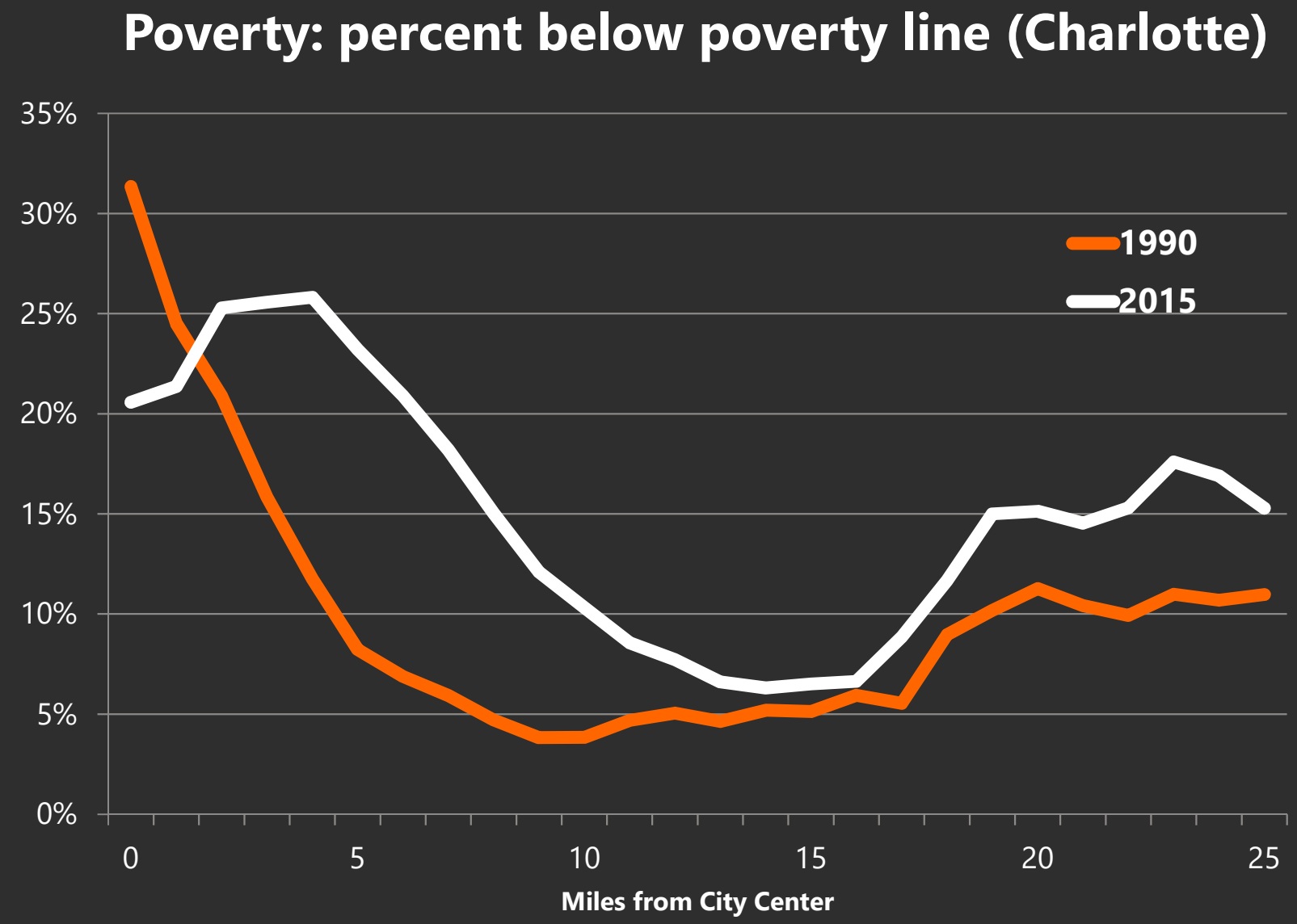


What's happening in metro areas

Education: percent with 4-year degree (Charlotte)

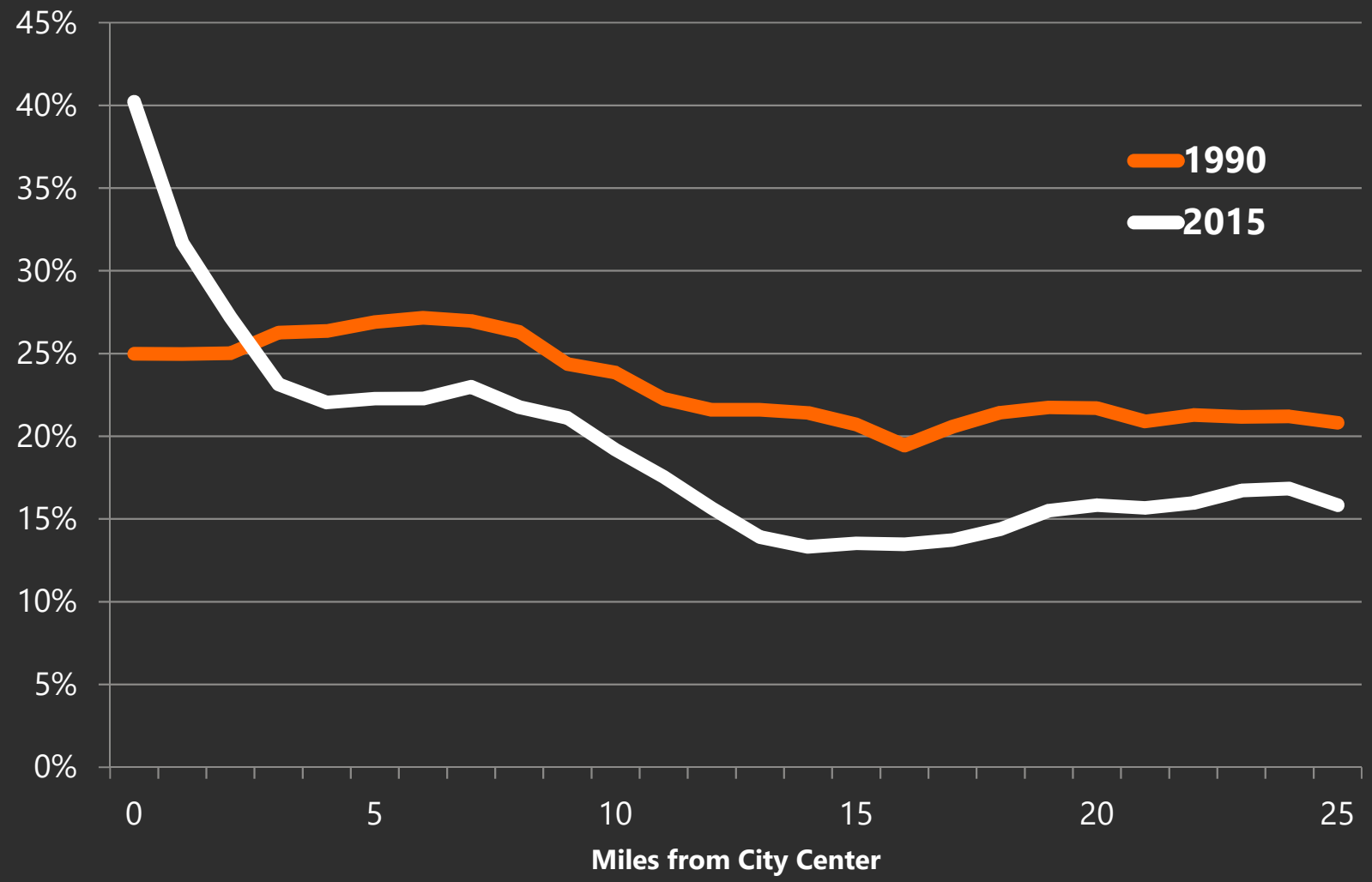


What's happening in metro areas



What's happening in metro areas

Young adults: percent age 22-24 (Charlotte)



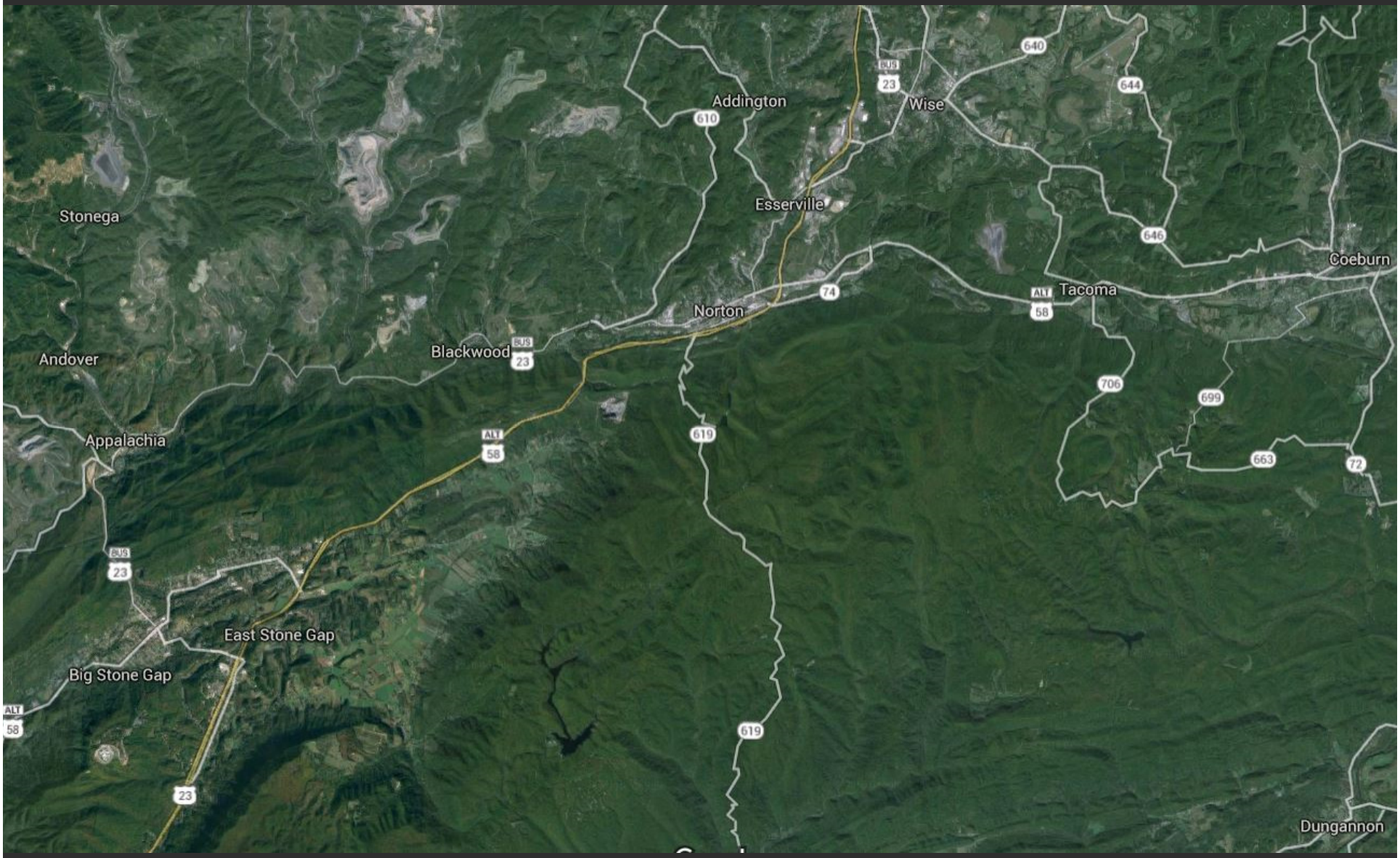
The Urban Core

The Inner Ring

The Outer Ring

Satellite Counties

What's happening outside metro areas


Addington
Wise
Esserville
Stonega
Coeburn
Tacoma
Norton
Blackwood
Andover
Appalachia
East Stone Gap
Big Stone Gap
Dungannon
640
644
610
646
74
58
706
699
619
663
72
23

THE FLOYD COUNTRY STORE
HOME OF THE
FRIDRY NITE JAMBOREE
FLOYD
BARBER SHOP
FLOYD
Chamber of Commerce

SENIOR STATESMEN
OF VIRGINIA