

Pennsylvania Population Trends and Their Impact on Rural Communities

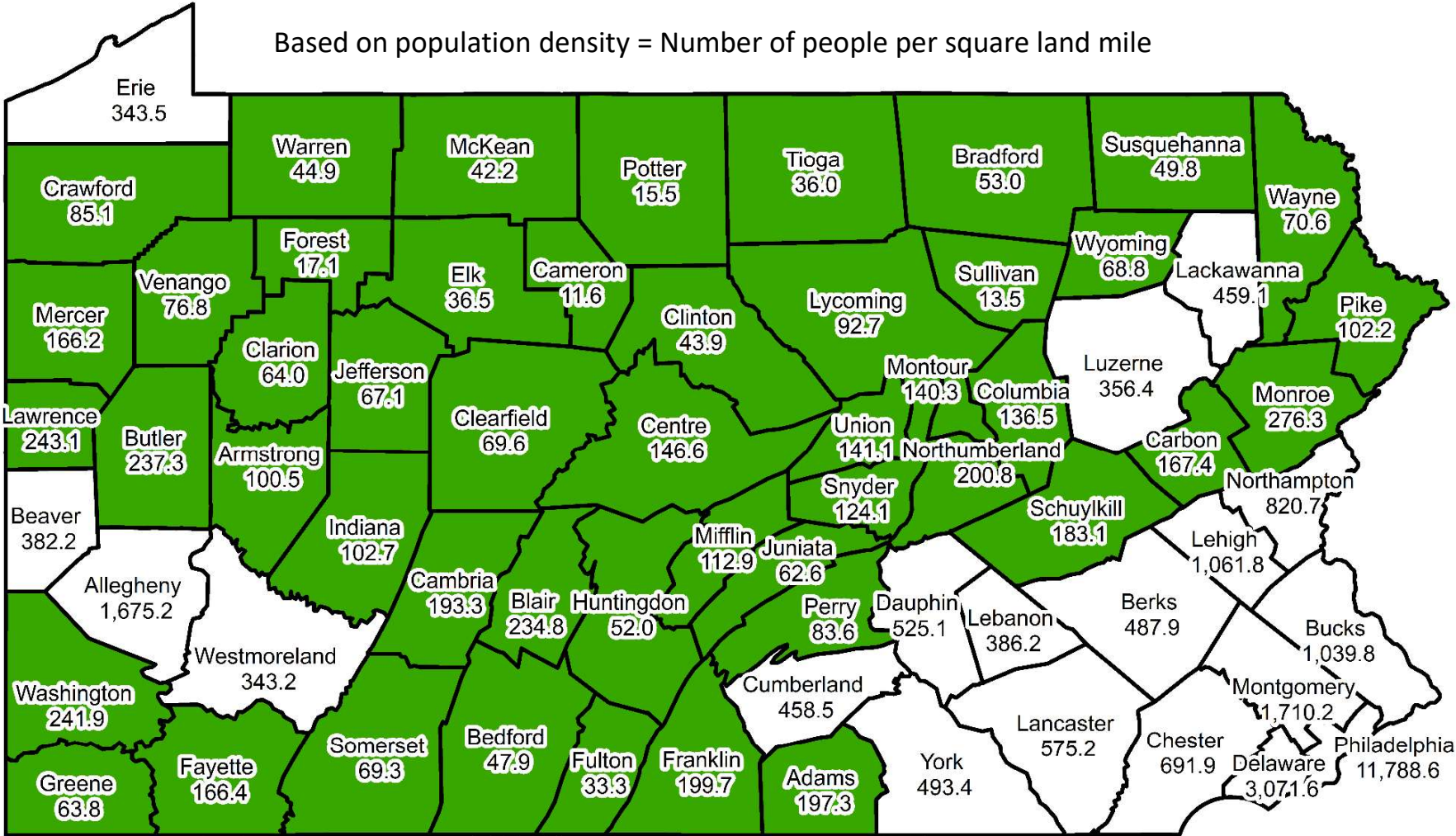
Legislative Reapportionment Commission Hearing
Thursday, July 29, 2021

Kyle C. Kopko, Ph.D., Director, Center for Rural Pennsylvania

kkopko@rural.pa.gov | www.rural.pa.gov

This is Rural Pennsylvania

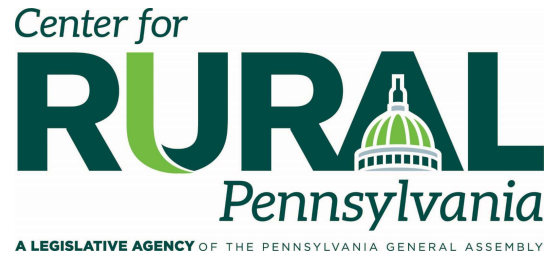
Based on population density = Number of people per square land mile



- Urban Counties (n=19)
- Rural Counties (n=48)

According to the Center for Rural Pennsylvania's definition, a rural county has a population density below the statewide average of 284 people per square mile. Urban counties have a density at or above the statewide average.

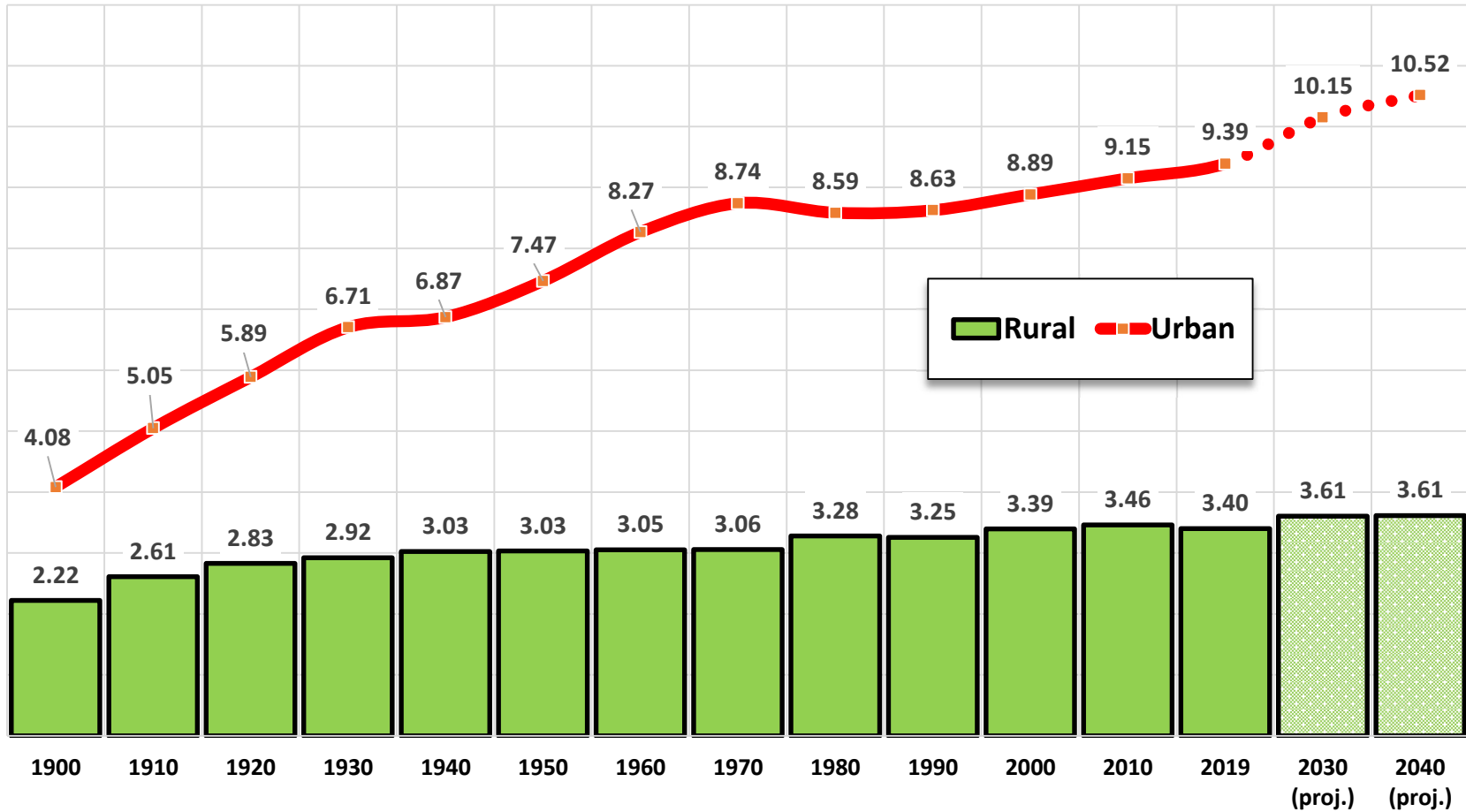
Data source: 2010 Census, U.S. Census Bureau.



Population Change: A Longitudinal Overview

Rural Pennsylvania's Population is Growing Very Slowly

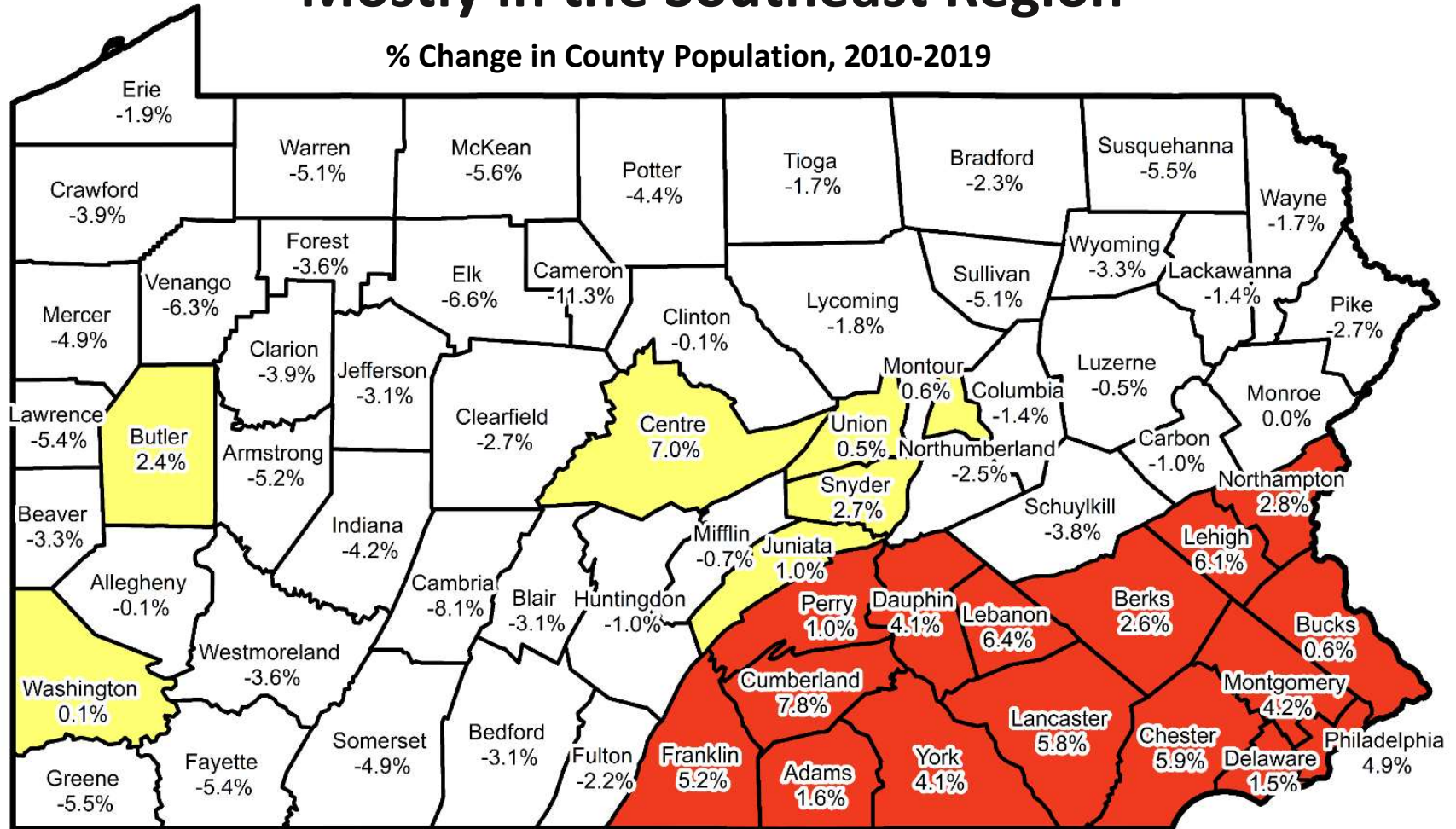
Rural and Urban Pennsylvania Population, 1900 to 2040 (projected)
(Population in Millions, Current Rural/Urban Definition)



Data sources: Decennial Censuses, 2019, 5-year Average, American Community Survey, U.S. Census Bureau, and Pennsylvania State Data Center.

Pennsylvania's Population Growth is Happening Mostly in the Southeast Region

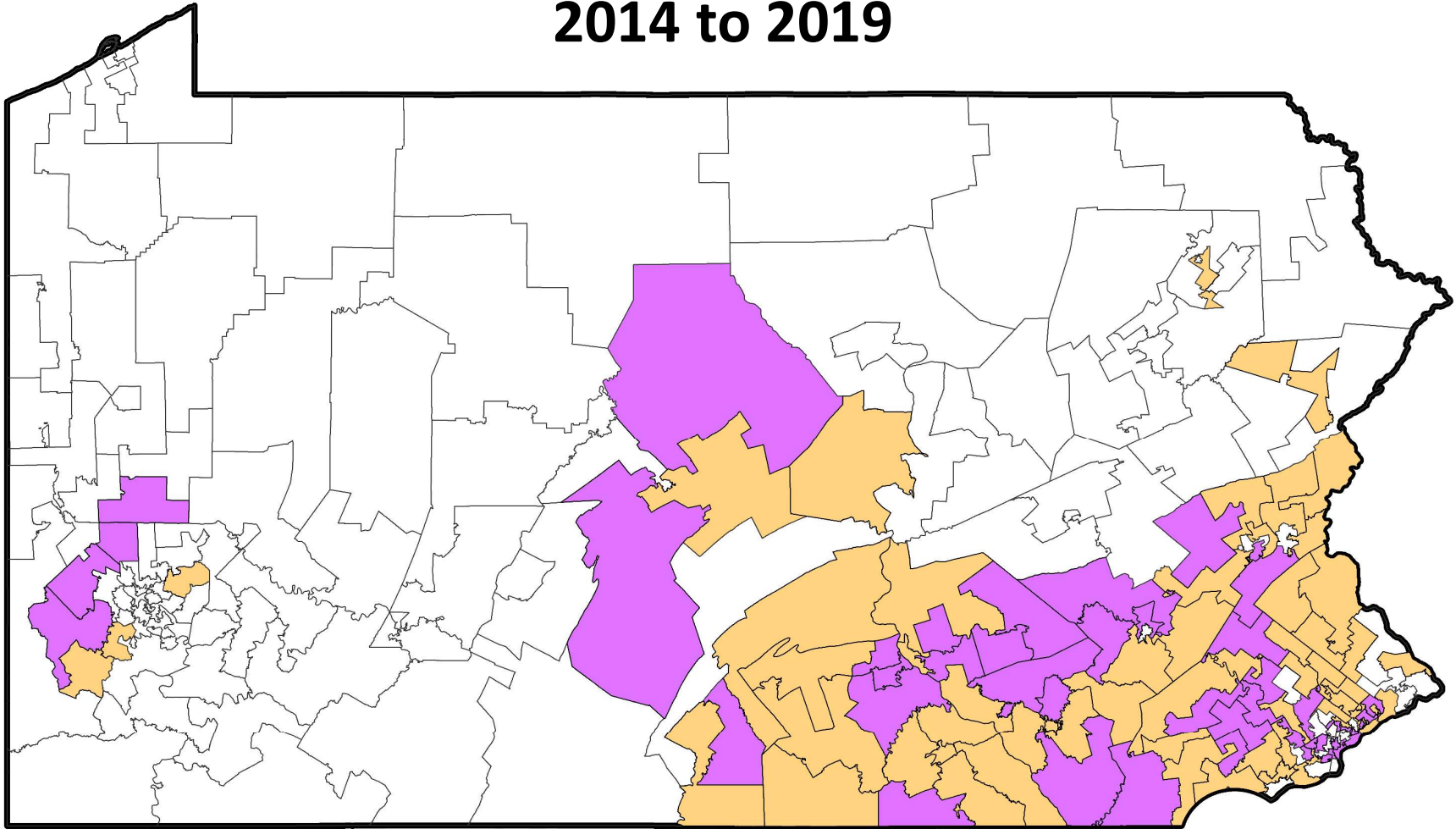
% Change in County Population, 2010-2019



- Population Increase in Southeastern PA
- Population Increase Outside Southeastern PA
- Population Decrease or No Change

Data source: Decennial Censuses, and the 2019, 5-year Average, American Community Survey, U.S. Census Bureau.

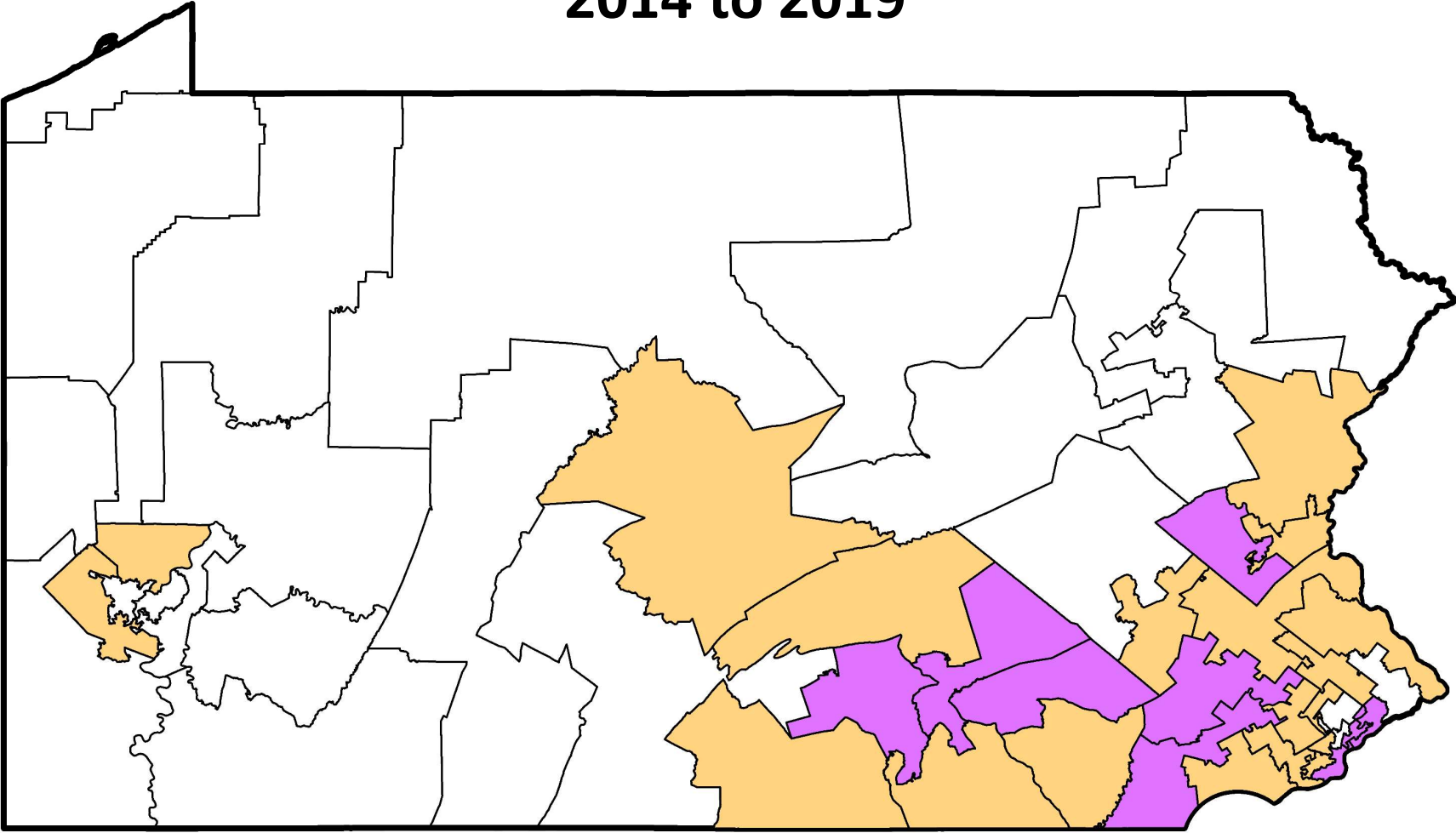
Population Change by House District, 2014 to 2019



- Population Decline or No Change (n=100)
- 0.1% to 2.4% Population Increase (n=58)
- 2.5%+ Population Increase (n=45)

Data sources: 2014 and 2019, 5-year Averages, American Community Survey, U.S. Census Bureau.

Population Change by Senate District, 2014 to 2019



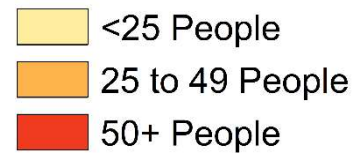
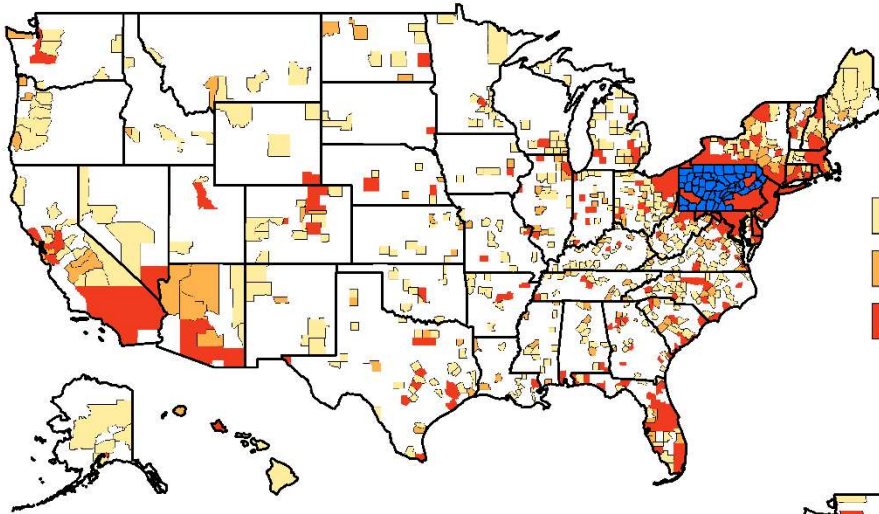
- Population Decline or No Change (n=23)
- 0.1% to 2.4% Population Increase (n=18)
- 2.5%+ Population Increase (n=9)

Data sources: 2014 and 2019, 5-year Averages, American Community Survey, U.S. Census Bureau.

Population Change: Influences & Causes

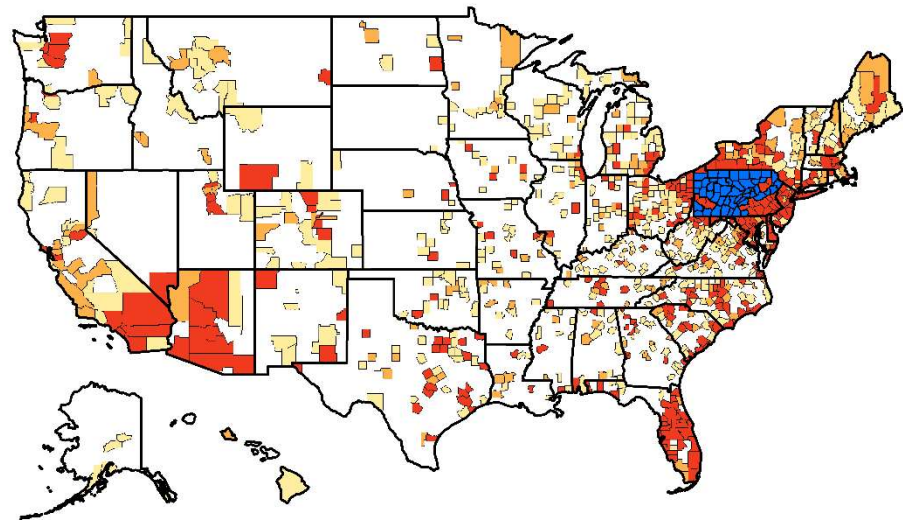
Rural Pennsylvania Domestic In- and Out-Migration, 2018

In-Migration to Rural Pennsylvania
n=113,248



65% of people who moved out of rural Pennsylvania went to a county <100 miles away

Out-Migration from Rural Pennsylvania
n=109,066

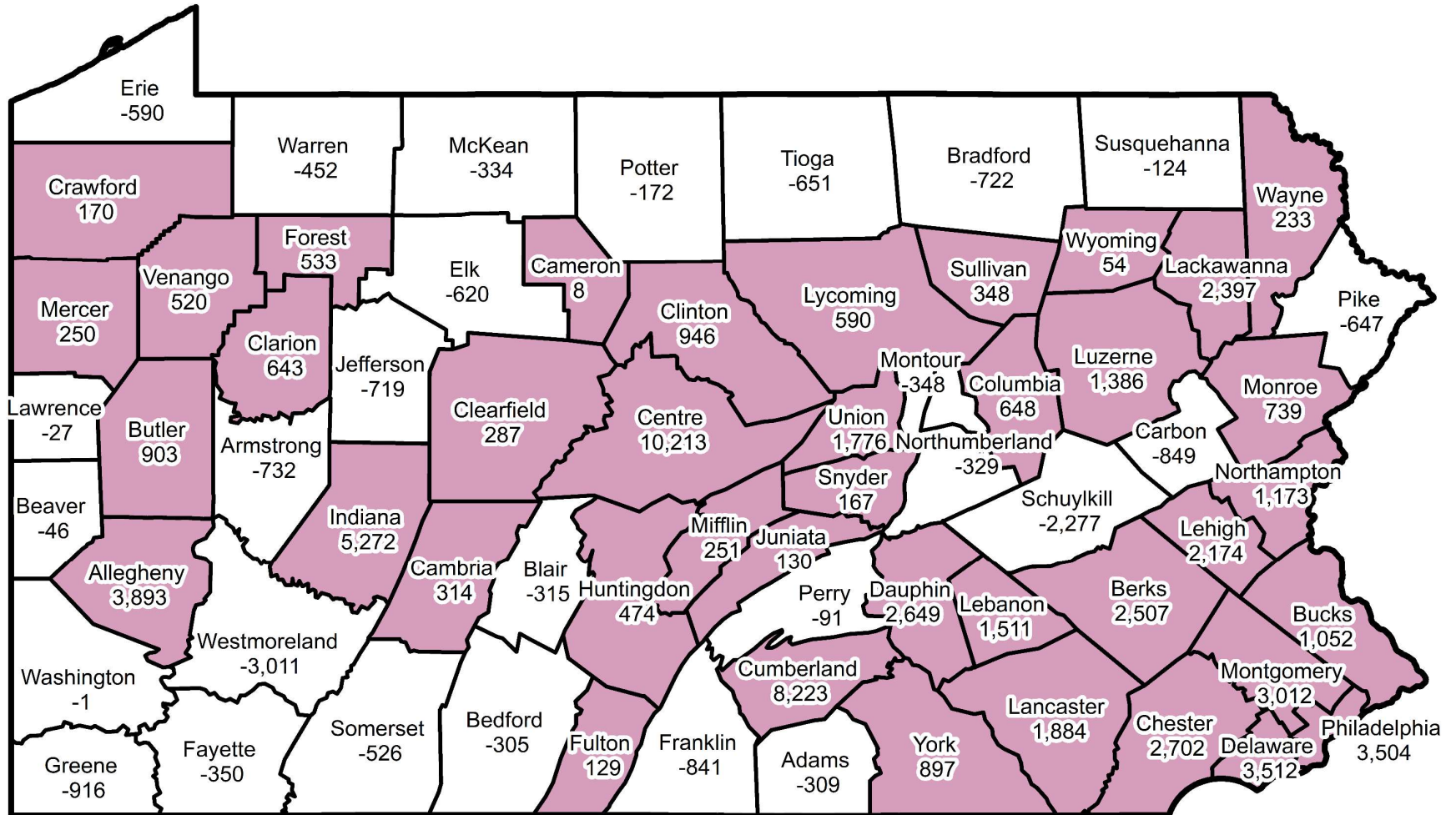


78% of people who moved to rural Pennsylvania came from a county <100 miles away

Data exclude international migration.
Data source: 2018, 5-year Average, American Community Survey, U.S. Census Bureau.

Pennsylvania's Net Migration, 2018

(Number of people who moved into the county subtracted from number who moved out of the county)

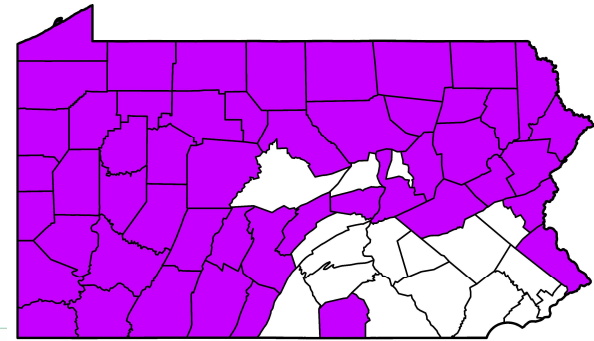


Pennsylvania's Total Net Migration = 51,770

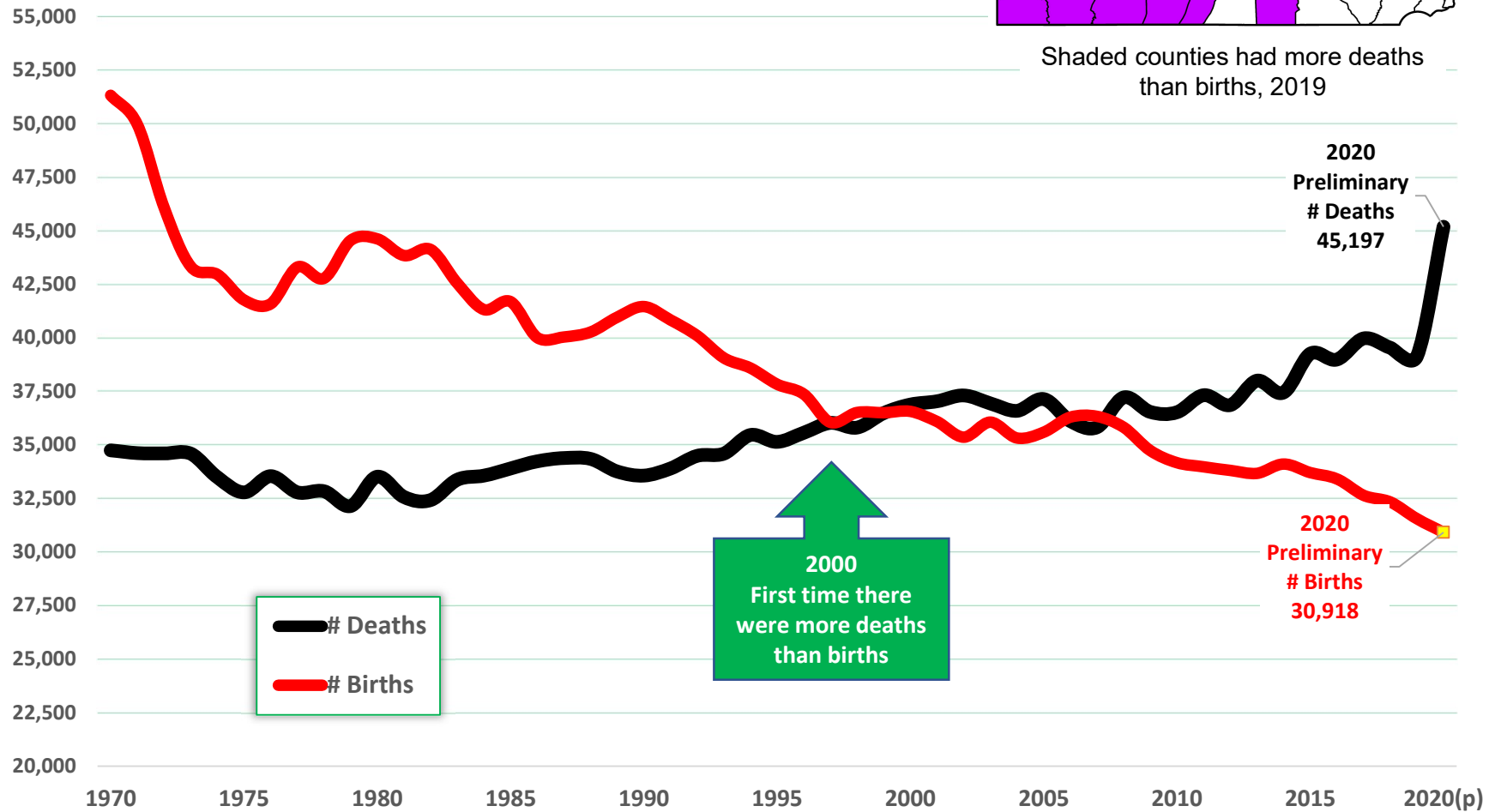
- Net Out-Migration (More people moved out than moved in)
- Net In-Migraton (More people moved in than moved out)

Data source: 2018, 5-year Average, American Community Survey, U.S. Census Bureau.

Number of Births and Deaths in Rural Pennsylvania, 1970 to 2020



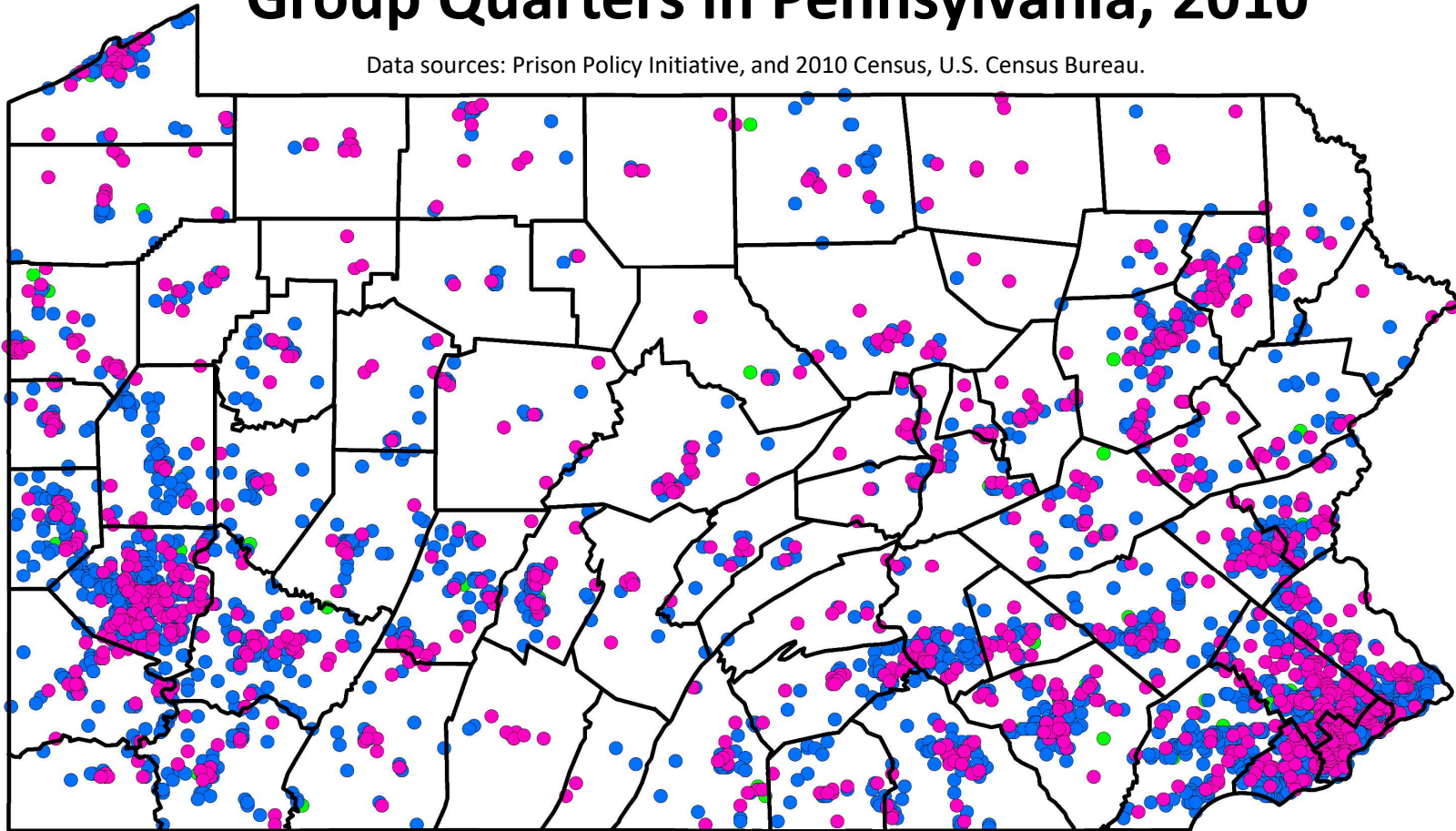
Shaded counties had more deaths than births, 2019



Data source: Pennsylvania Department of Health.

Group Quarters in Pennsylvania, 2010

Data sources: Prison Policy Initiative, and 2010 Census, U.S. Census Bureau.

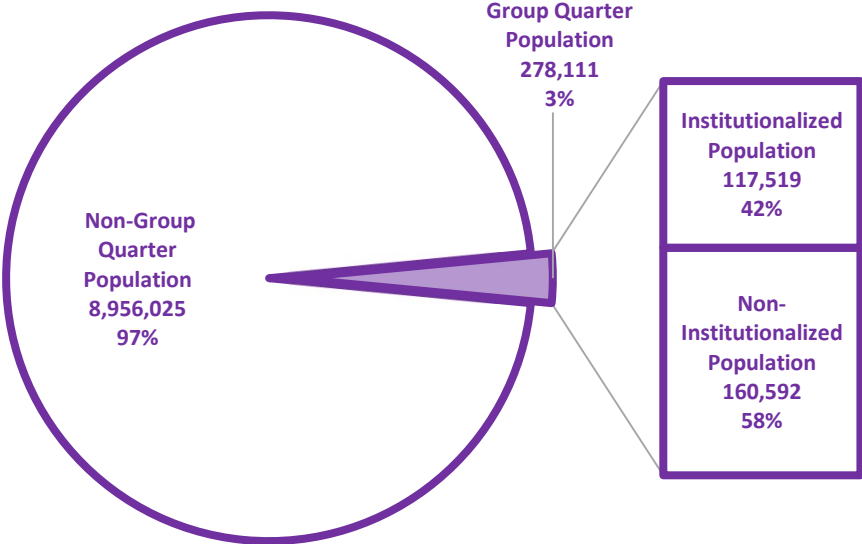


- Institutionalized Group Quarters
- Non-Institutionalized Group Quarters
- Combination of Institutionalized and Non-Institutionalized Group Quarters

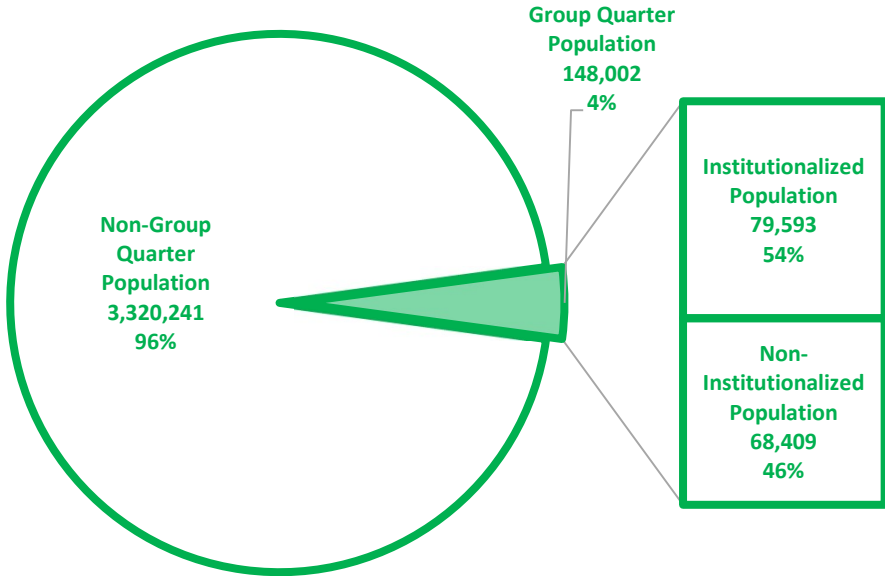
	# Rural Group Quarters	# Urban Group Quarters
Institutional	472	899
Non-Institutional	1,058	3,106
Total	1,530	4,005

Group Quarter Populations in Rural and Urban Pennsylvania, 2010

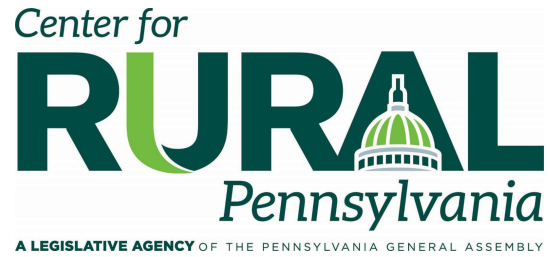
Urban Group Quarter Population, 2010



Rural Group Quarter Population, 2010



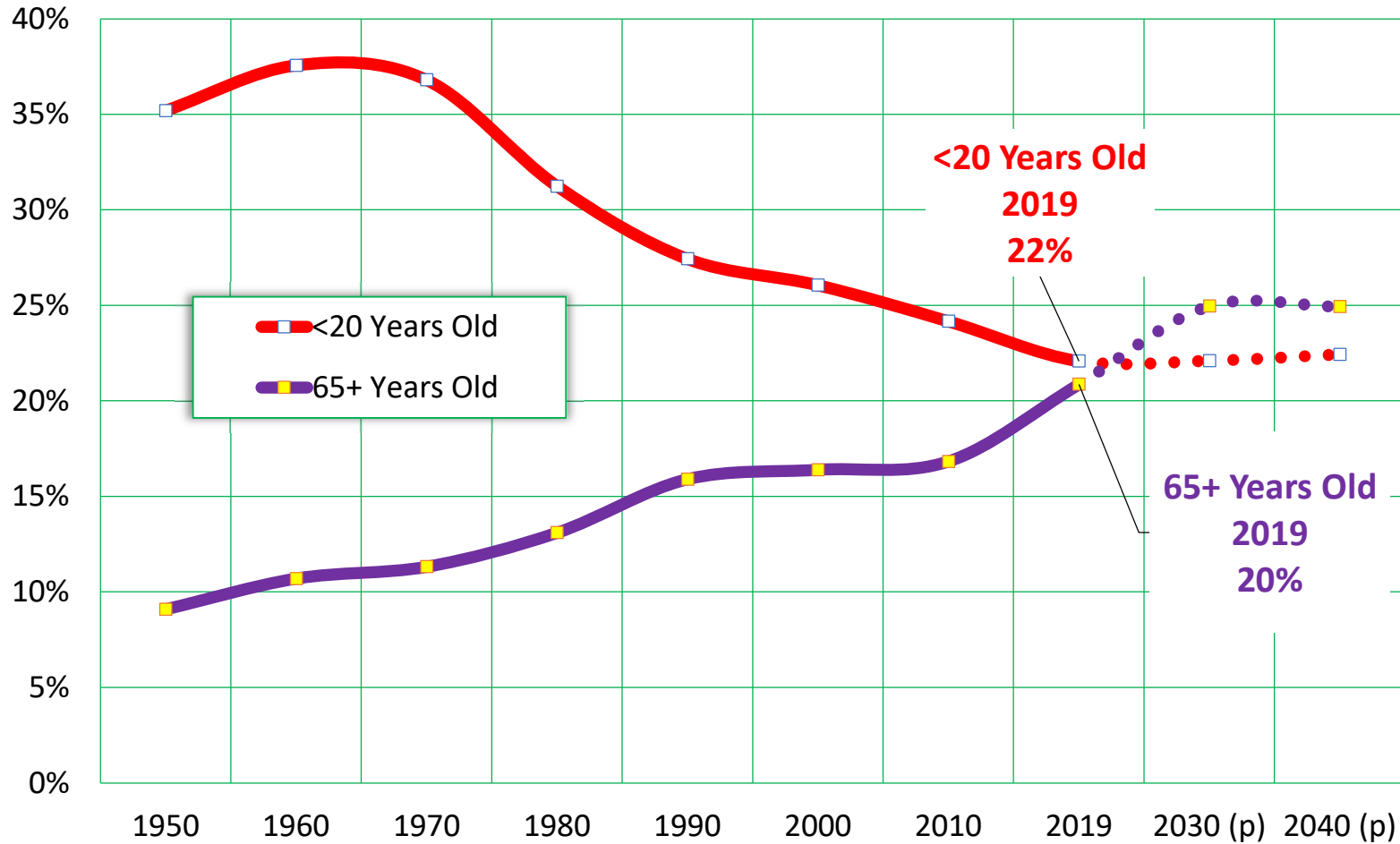
Data source: 2010 Census, U.S. Census Bureau.



Demographic Changes: Age & Diversity

Rural Pennsylvania is Rapidly Aging

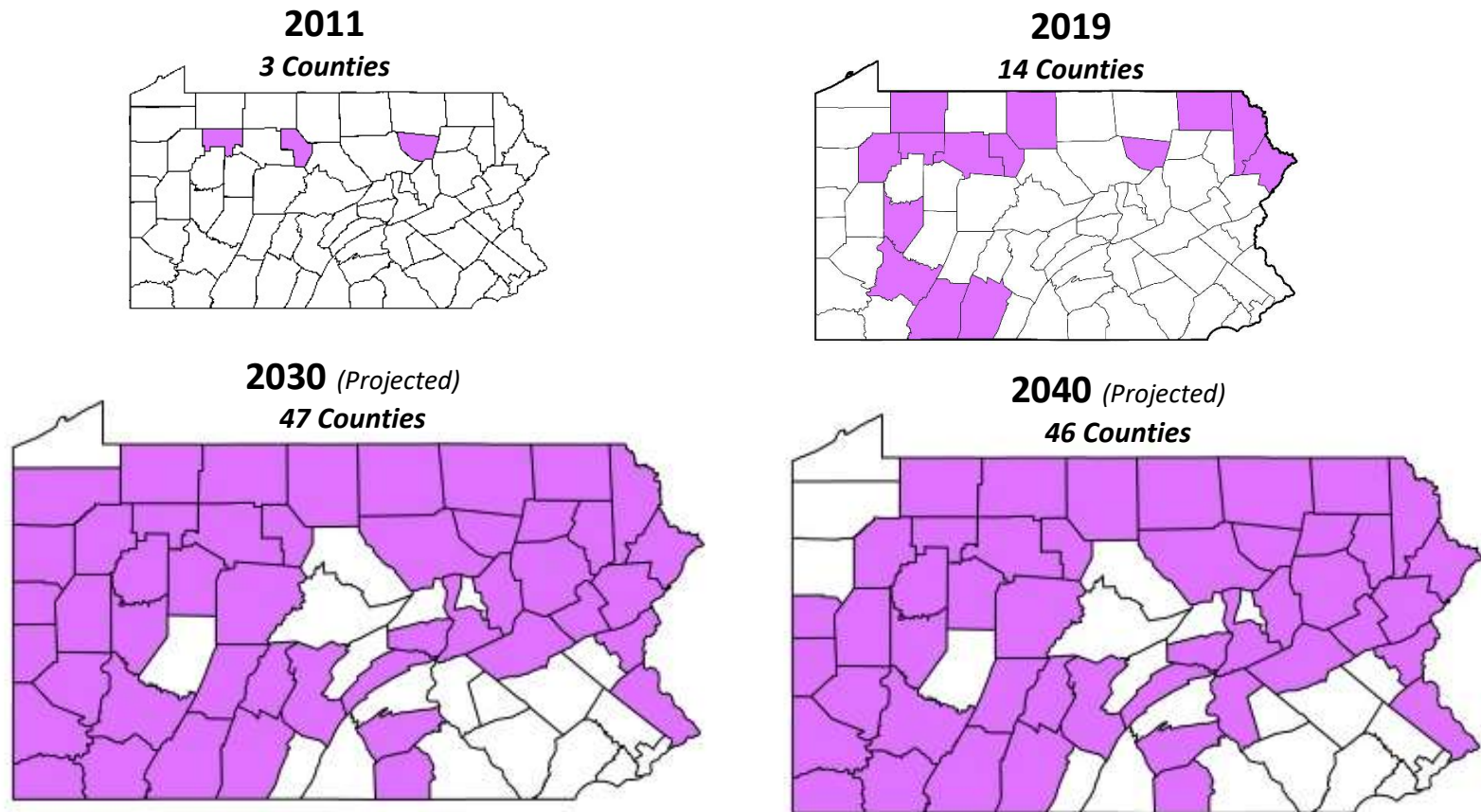
Percent of Population Under 20 Years Old and 65 Years Old and Older, 1950 to 2040 (projected)



Data sources: Decennial Censuses, 2019, 5-year Average, American Community Survey, U.S. Census Bureau; and Pennsylvania State Data Center.

An increasing number of Pennsylvania counties are projected to have more senior citizens than youth

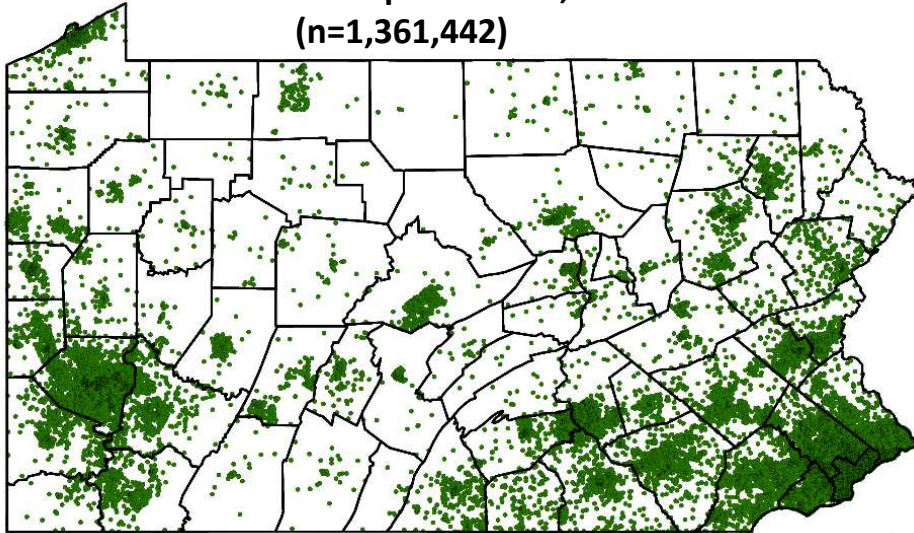
Shaded counties have more residents 65+ than residents <20 years old.



Data sources: Decennial Censuses, 2019, 5-year Average, American Community Survey, U.S. Census Bureau; and Pennsylvania State Data Center.

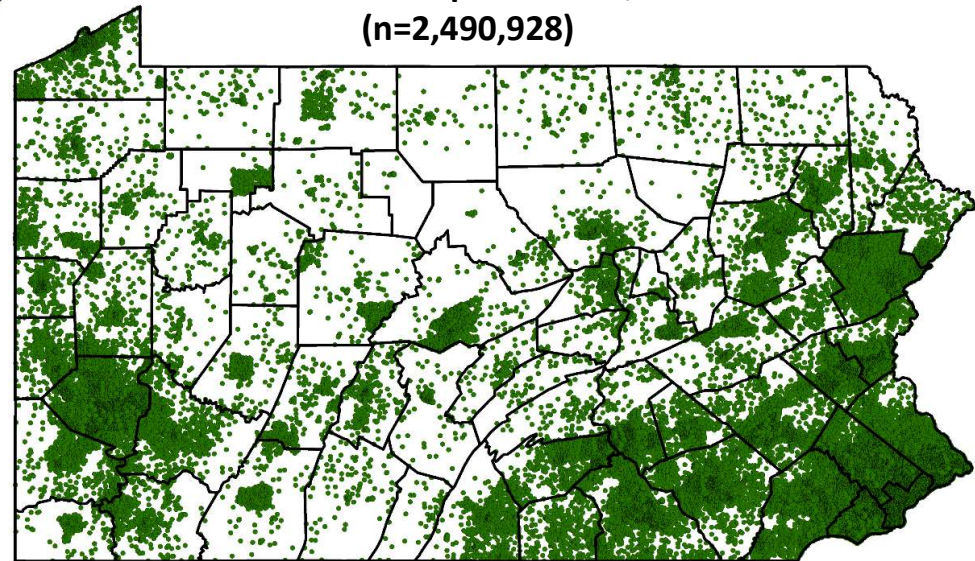
Number of People of Color by Municipality, 1990 and 2019

Number of People of Color, 1990
(n=1,361,442)



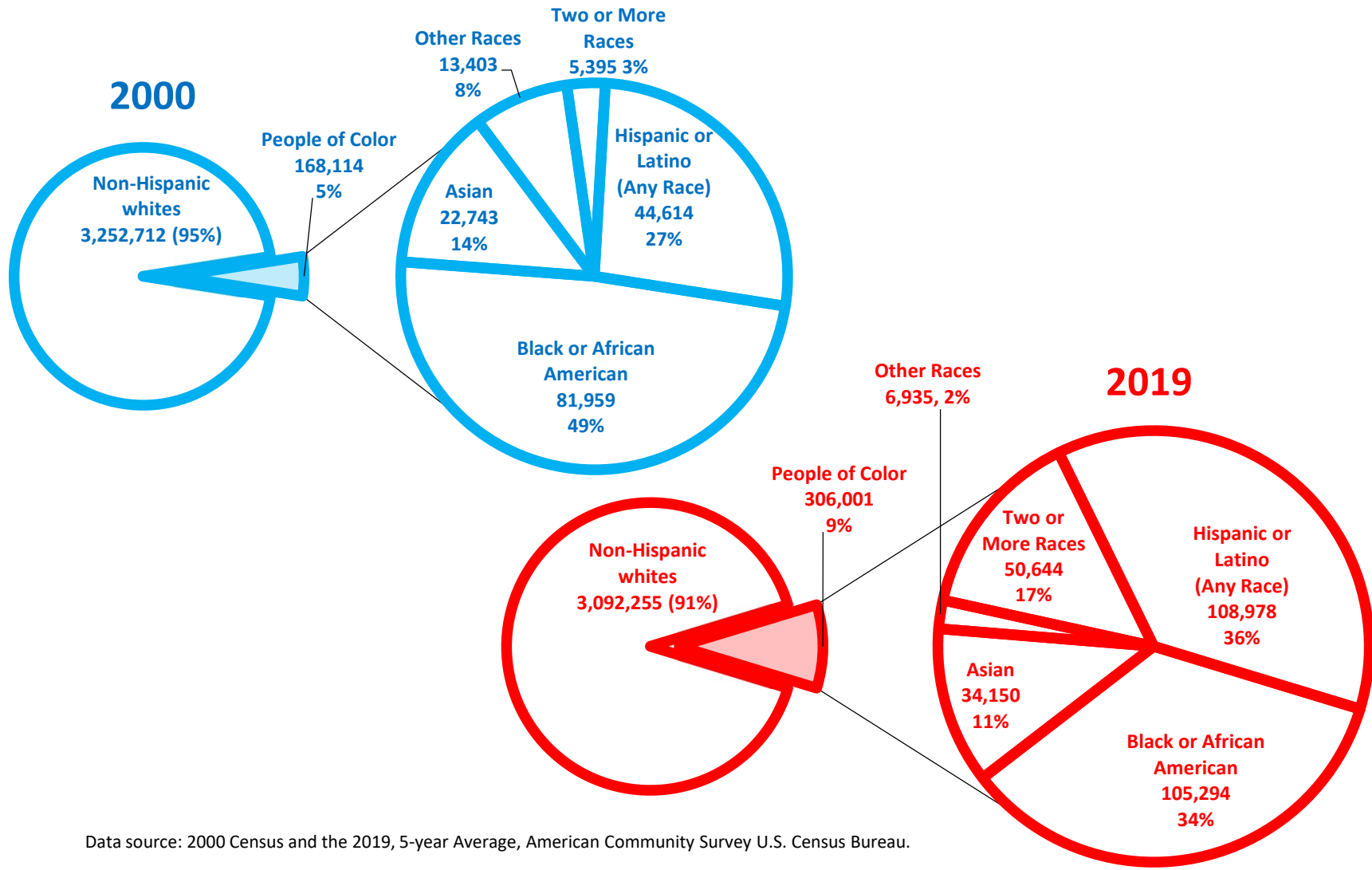
1 Dot = 10 People

Number of People of Color, 2019
(n=2,490,928)



People of color include all people who are not non-Hispanic whites. Data sources: 1990 Census, and the 2019, 5-year Average, American Community Survey, U.S. Census Bureau.

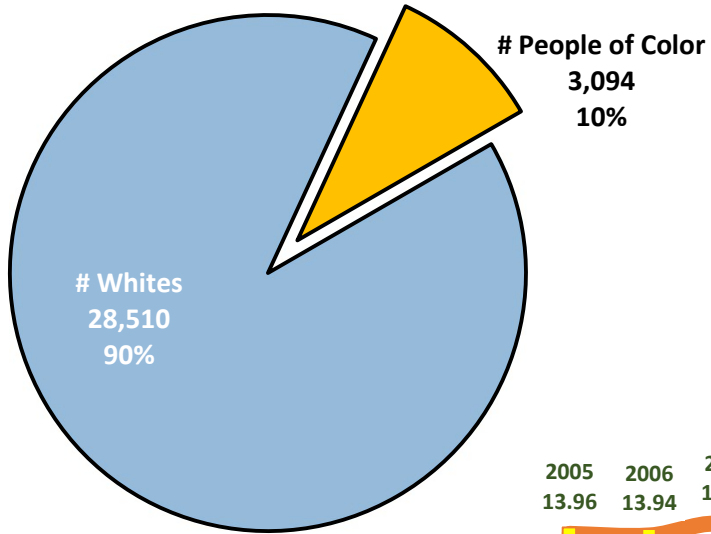
Rural Pennsylvania Population by Race & Ethnicity, 2000 and 2019



Data source: 2000 Census and the 2019, 5-year Average, American Community Survey U.S. Census Bureau.

Rural Births by Race

Number of Births in Rural Pennsylvania, 2019

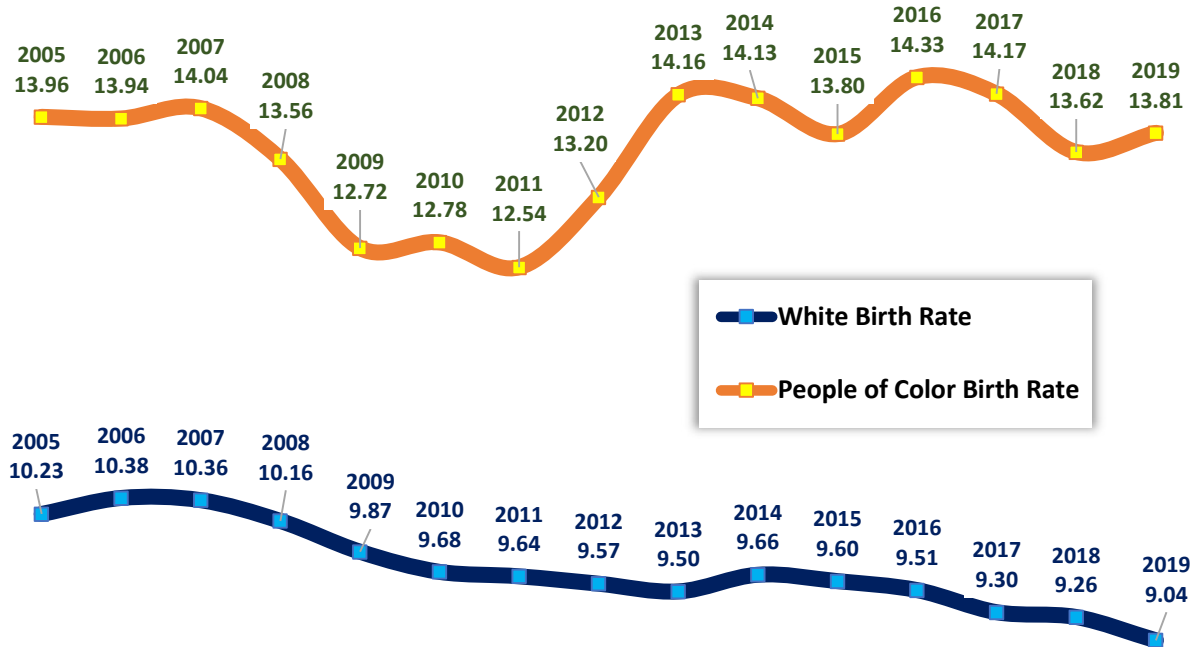


NOTE: Because of data reporting limitations, the information here does not separate Hispanic/Latinos. The information is reported as non-white and white.

Data sources: Pennsylvania Department of Health, and the 2019, 1-year Average, American Community Survey, U.S. Census Bureau.

Birth Rates in Rural Pennsylvania, 2005 to 2019

(Number of Births per 1,000 Residents)

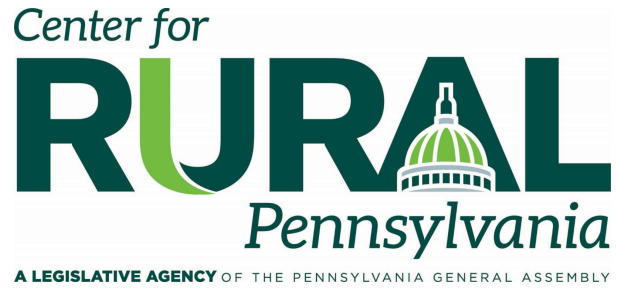


Total Fertility Rates for Rural Women 2017-2019

(2.1 = Births Needed per Woman for Population Replacement)

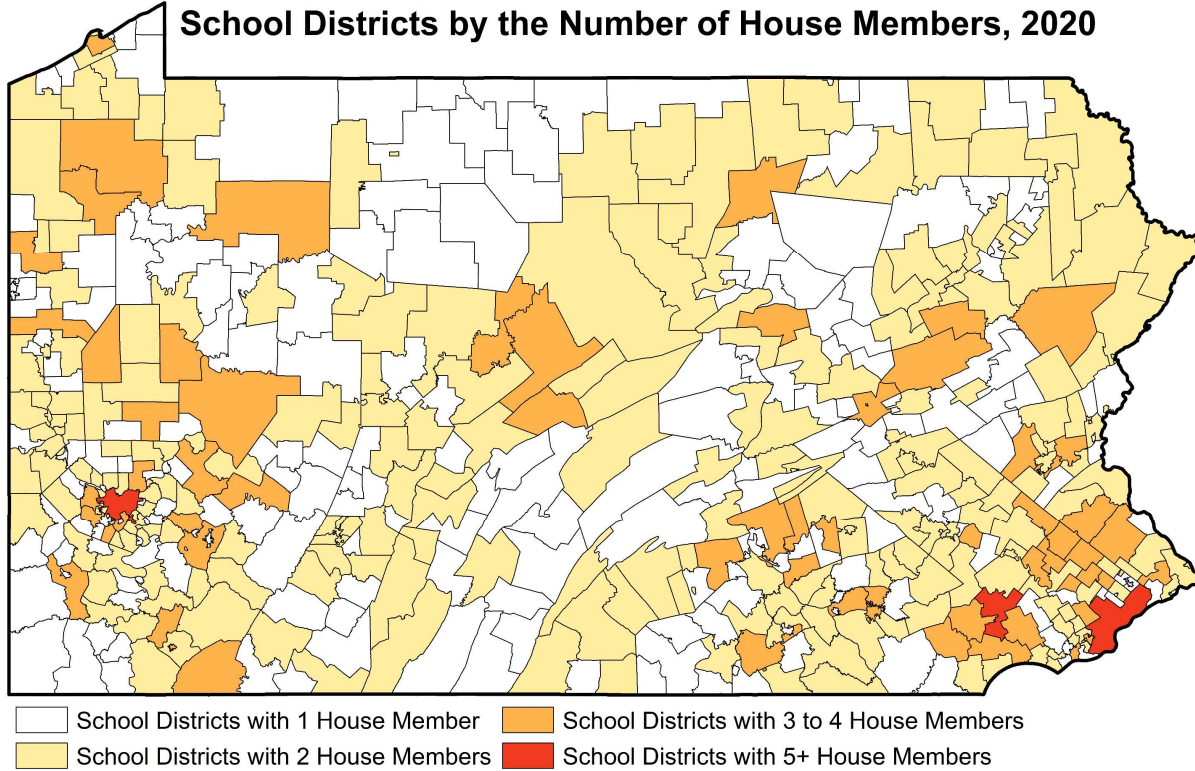
2.17 = People of Color

1.66 = Whites



Implications for Political Subdivisions: School Districts

School Districts by the Number of House Members, 2020

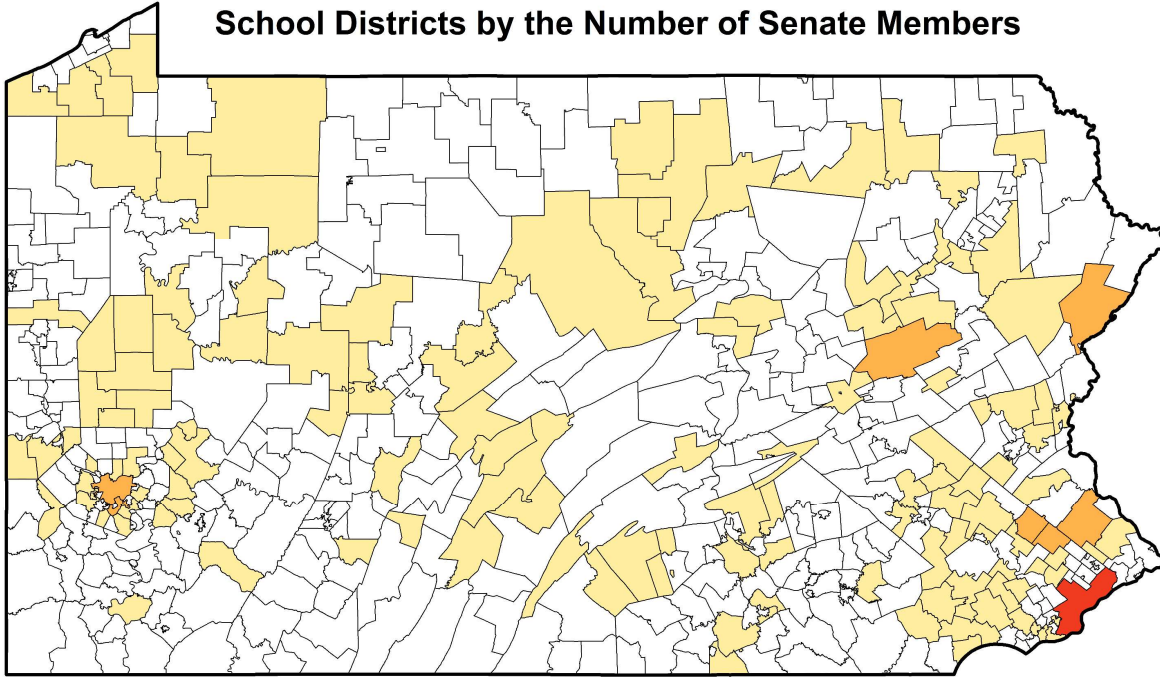


School Districts by House Districts, 2020

House Districts that are less than 25 acres in a school district were eliminated from the analysis. Data are TIGER Shapefiles, U.S. Census Bureau.

HOUSE	Rural School Districts	Urban School Districts	Total School Districts
School Districts with 1 House Member	114 (49%)	99 (37%)	213 (43%)
School Districts with 2 House Members	100 (43%)	123 (46%)	223 (45%)
School Districts with 3 to 4 House Members	21 (9%)	40 (15%)	61 (12%)
School Districts with 5+ House Members	0 (0%)	3 (1%)	3 (1%)
Total	235 (100%)	265 (100%)	500 (100%)

School Districts by the Number of Senate Members



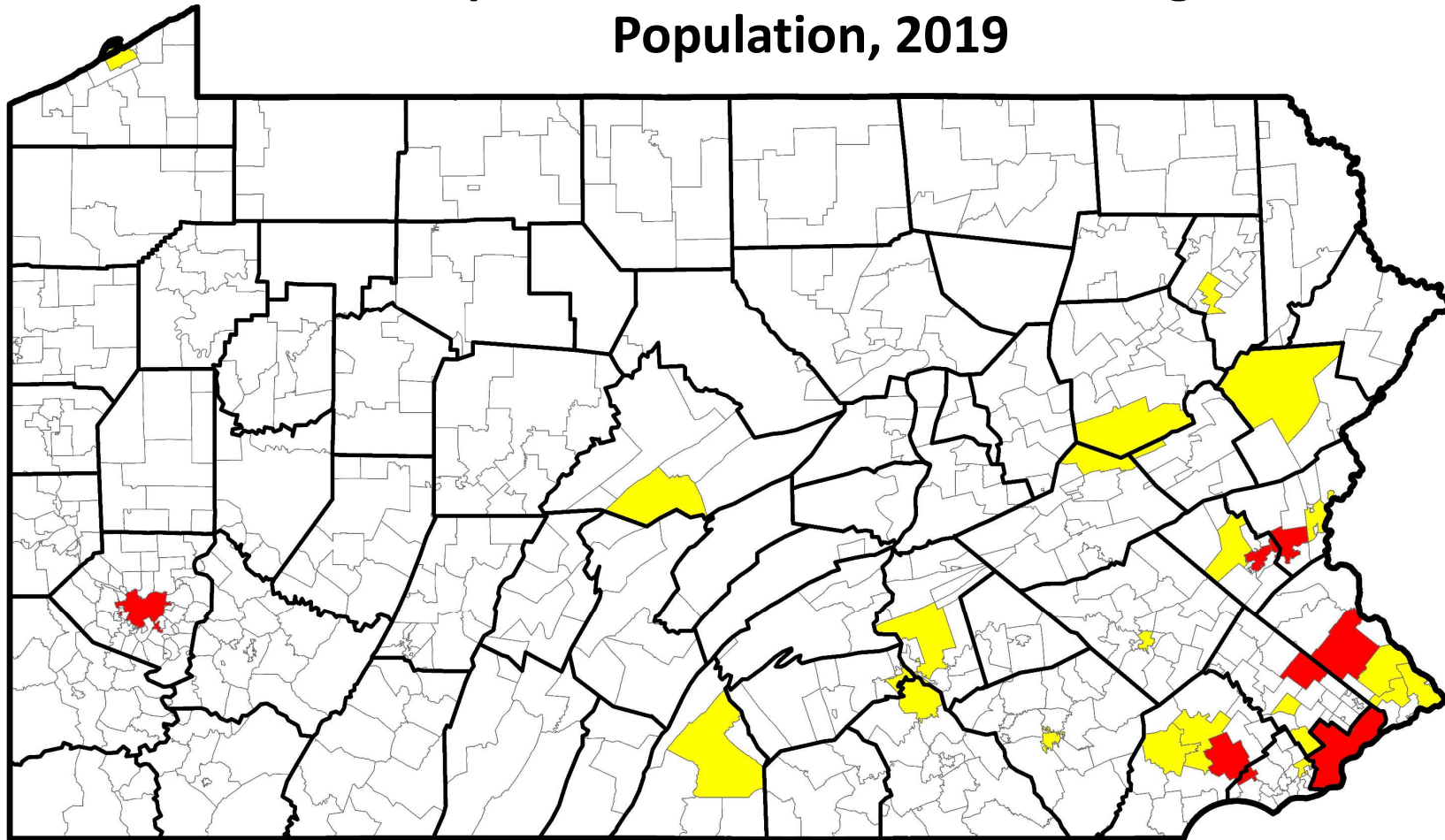
School Districts with 1 Senate Member
 School Districts with 3 to 4 Senate Members
 School Districts with 2 Senate Members
 School Districts with 5+ Senate Members

School Districts by Senate Districts, 2020

Senate Districts that are less than 25 acres in a school district were eliminated from the analysis. Data are TIGER Shapefiles, U.S. Census Bureau.

SENATE	Rural School Districts (n=235)	Urban School Districts (n=265)	Total School Districts (n=500)
School Districts with 1 Senate Member	171 (73%)	193 (73%)	364 (73%)
School Districts with 2 Senate Members	63 (27%)	65 (25%)	128 (26%)
School Districts with 3 to 4 Senate Members	1 (<1%)	6 (2%)	7 (1%)
School Districts with 5+ Senate Members	0 (0%)	1 (<1%)	1 (<1%)
Total	235 (100%)	265 (100%)	500 (100%)

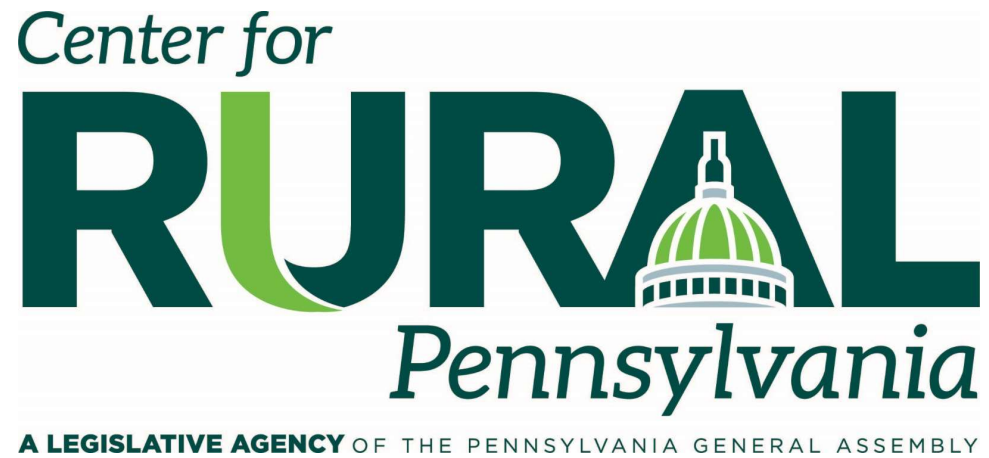
School District Population Relative to the Average House District Population, 2019



<63,012 Population
 63,012 to 99,999 Population
 100,000+ Population

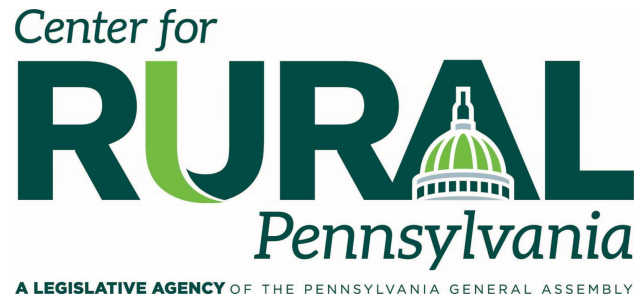
Data source: 2019, 5-year Average, American Community Survey, U.S. Census Bureau.

	Rural	Urban
School Districts With <63,012 Pop.	233	240
School Districts with 63,012 to 99,999 Pop.	2	18
School Districts with 100,000+ Pop	0	7
Total	235	265



Conclusion & Thank You

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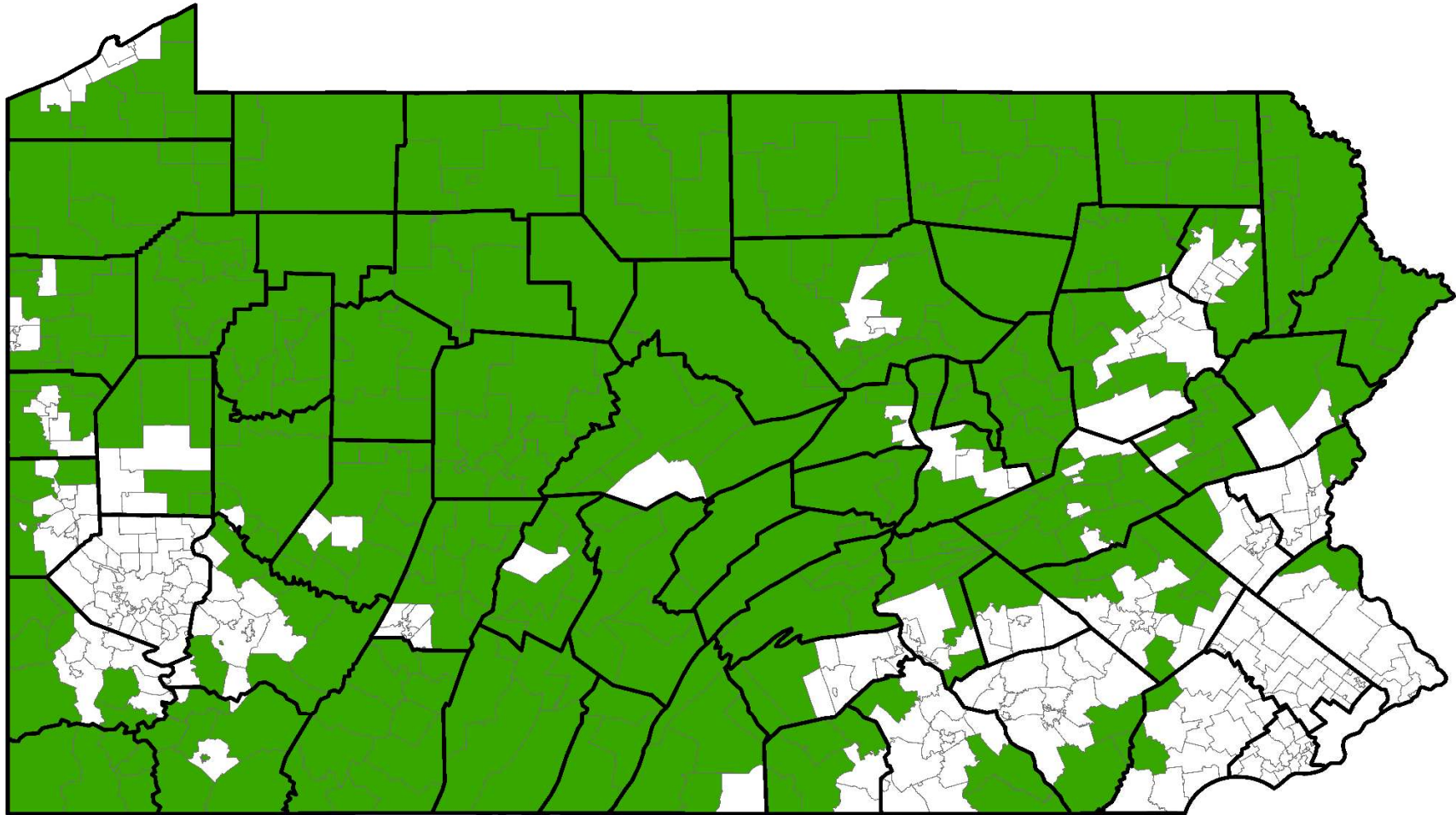


Supplemental Information

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Rural and Urban School Districts, 2010

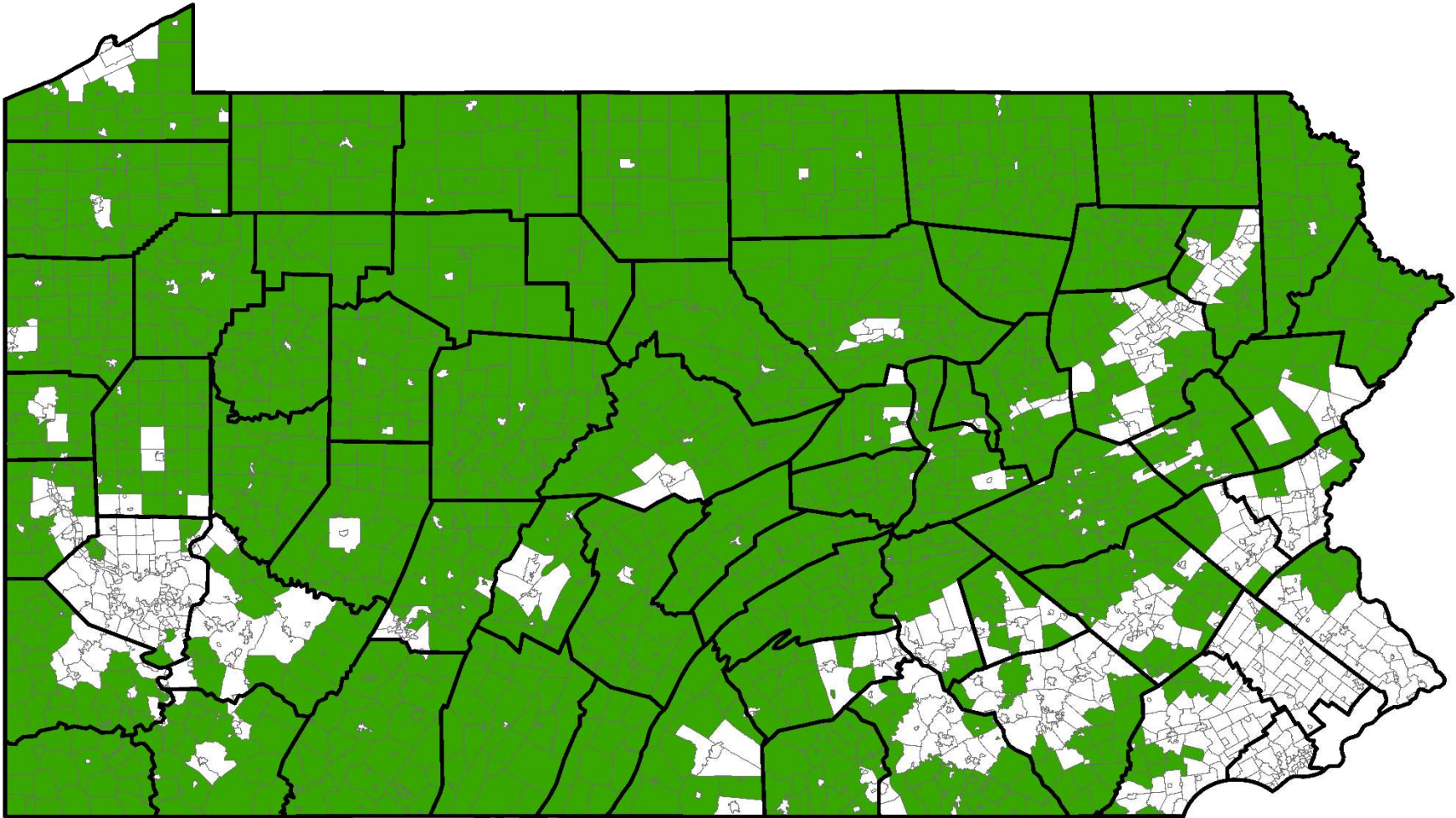


- Urban School Districts (n=265)
- Rural School Districts (n=235)

According to the Center for Rural Pennsylvania's definition, a rural school district has a population density below the statewide average of 284 persons per square mile. Urban school districts have a density at or above the statewide average

Data source: 2010 Census, U.S. Census Bureau

Rural and Urban Municipalities, 2010

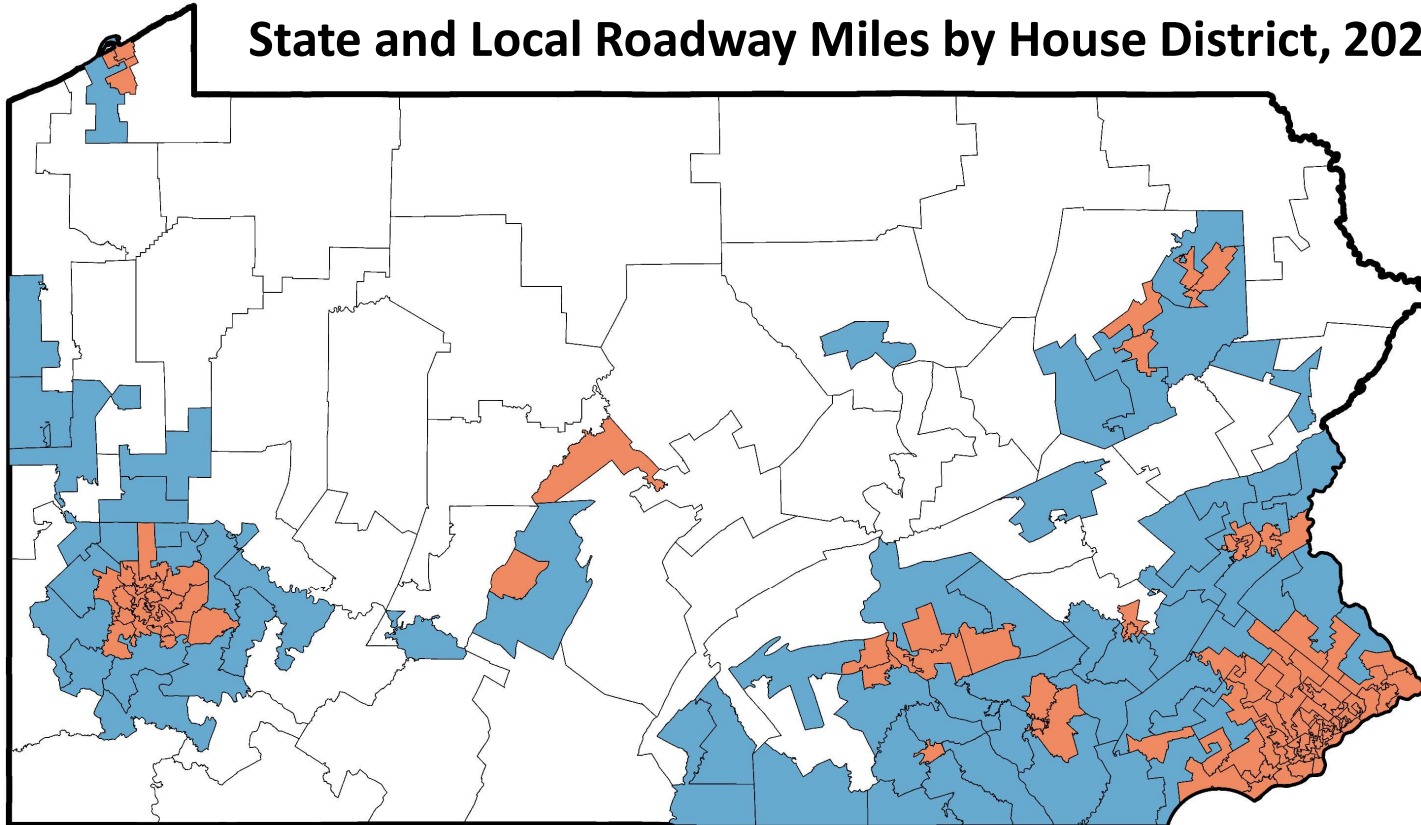


- Urban Municipalities (n=970)
- Rural Municipalities (n=1,592)

According to the Center for Rural Pennsylvania's definition, a municipality is rural when the population density within the municipality is less than the statewide average density of 284 persons per square mile, or the total population is less than 2,500, unless more than 50 percent of the population lives in an urbanized area as defined by the U.S. Census Bureau. All other municipalities are considered urban.

Data source: 2010 Census, U.S. Census Bureau

State and Local Roadway Miles by House District, 2020



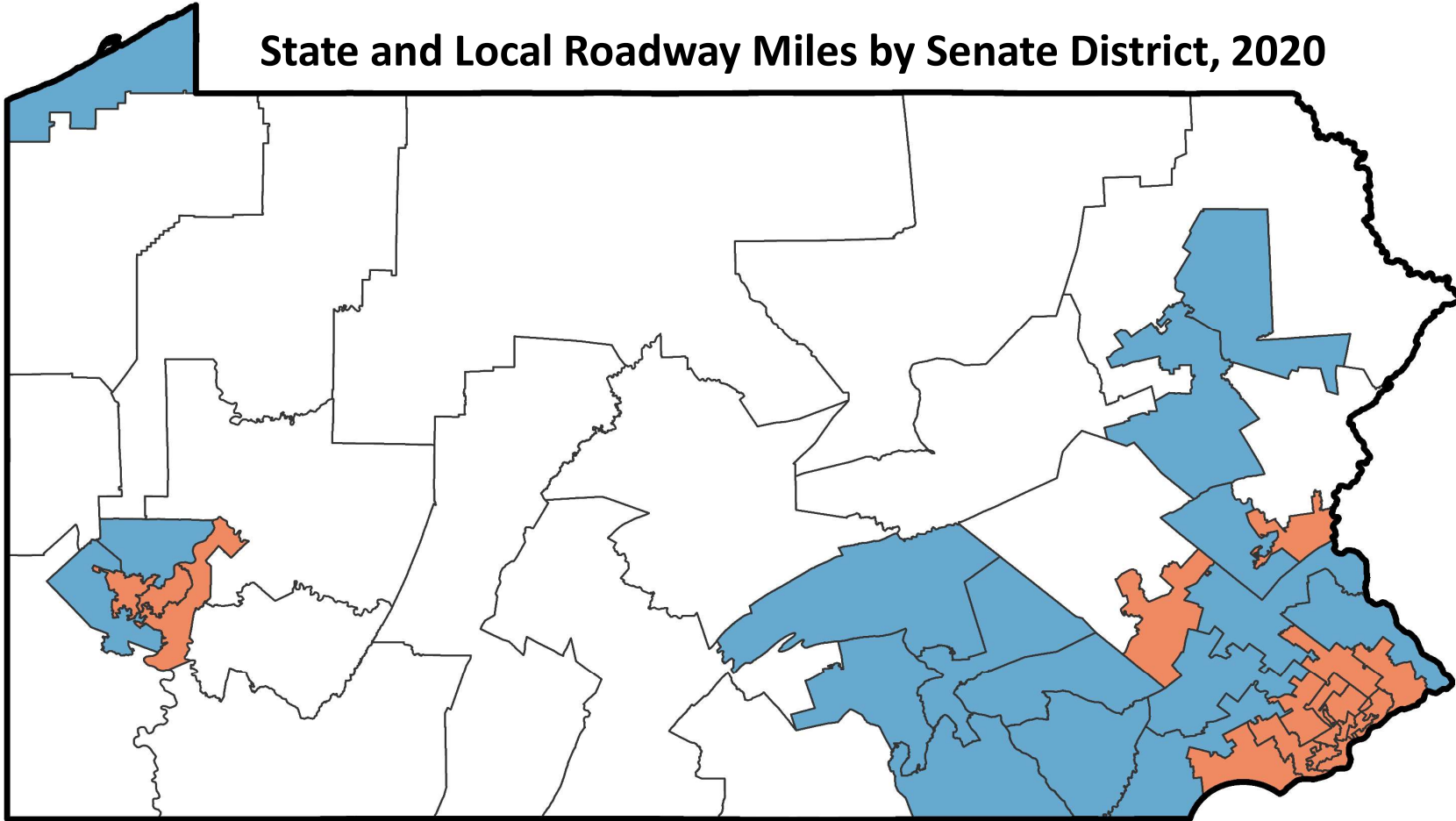
Estimated Miles of Roadway in Pennsylvania = 151,368

- <500 Miles of Roadway
- 500 to 999 Miles of Roadway
- 1,000+ Miles of Roadway

Miles of roadway are estimated based on GIS calculations. Data source: Pennsylvania Department of Transportation.

	Est. Miles of Local Roadway	Est. Miles of State Roadway	Total Est. Miles of Roadway
# Districts with <500 Miles of Roadway (n=97)	19,260	8,071	27,331
# Districts with 500 to 999 Miles of Roadway (n=62)	30,763	14,335	45,098
# Districts with 1,000+ Miles of Roadway (n=44)	52,121	26,819	78,940
Total (n=203)	102,144	49,225	151,369

State and Local Roadway Miles by Senate District, 2020



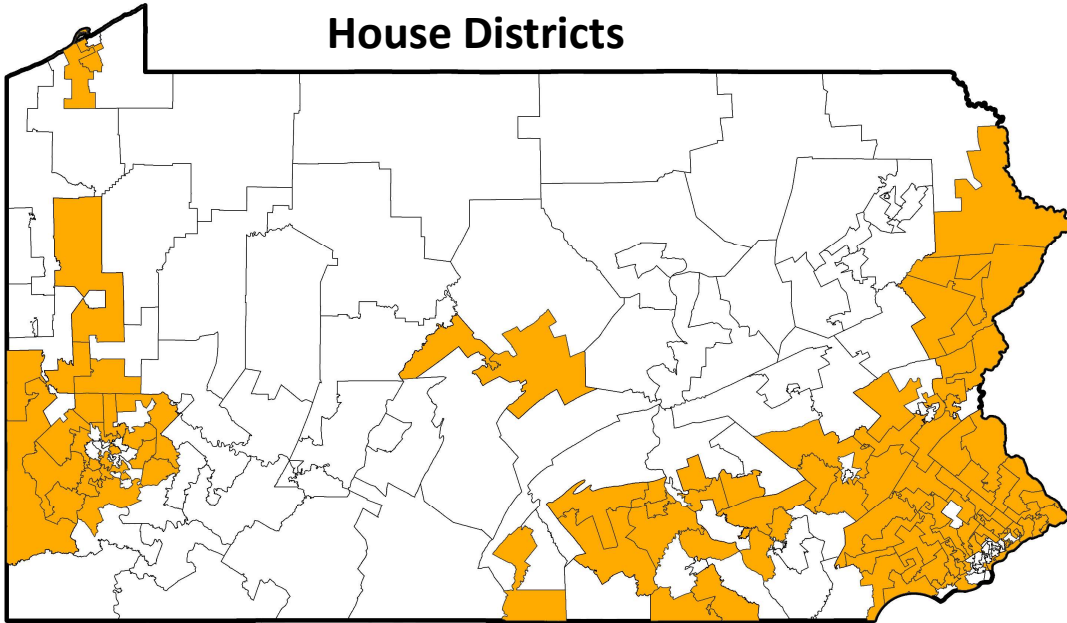
Estimated Miles of Roadway in Pennsylvania = 151,368

- <2,000 Miles of Roadway
- 2,000 to 2,999 Miles of Roadway
- 3,000+ Miles of Roadway

	Est. Miles of Local Roadway	Est. Miles of State Roadway	Total Est. Miles of Roadway
# Districts with <2,000 Miles of Roadway (n=17)	13,065	5,253	18,318
# Districts with 2,000 to 2,999 Miles of Roadway (n=16)	26,153	12,026	38,179
# Districts with 3,000+ Miles of Roadway (n=17)	62,925	31,946	94,871
Total (n=50)	102,143	49,225	151,368

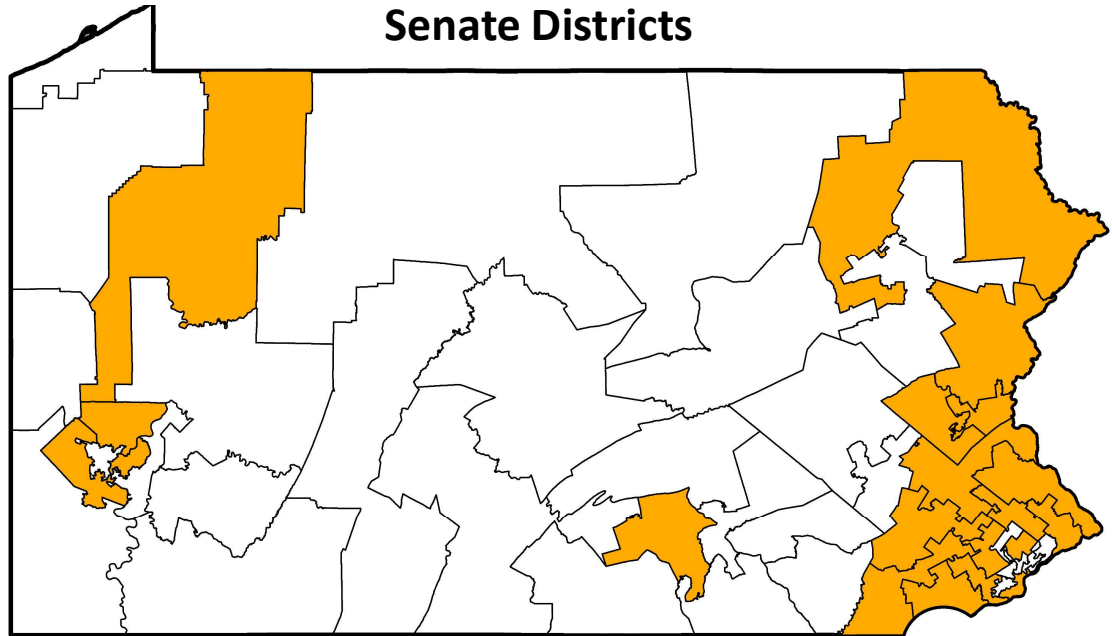
Miles of roadway are estimated based on GIS calculations. Data source: Pennsylvania Department of Transportation.

House Districts



Percent of Households with Internet Access by House and Senate Districts, 2019

Senate Districts



Statewide Rate = 84.7% Households

- At or Below Statewide Rate
- Above Statewide Rate

Data source: 2019, 5-year Average, American Community Survey, U.S. Census Bureau.

In-Migration: People Moving into Rural Pennsylvania

Number of People Who Moved into Rural PA, 2018-2019

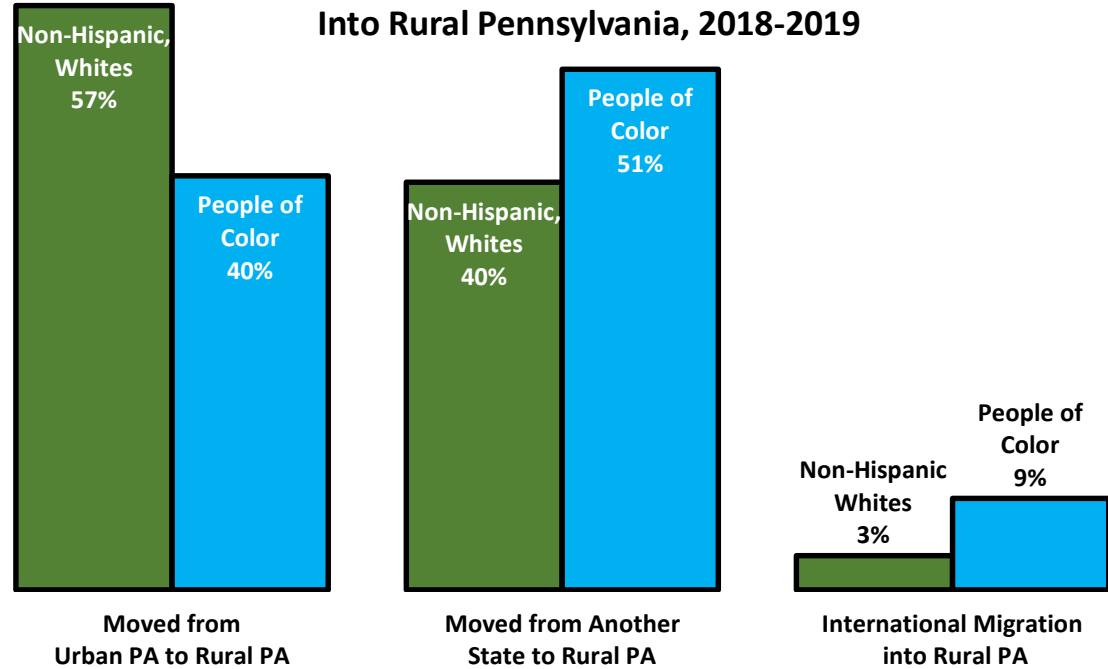


Non-Hispanic
Whites
128,300



People of
Color
47,411

Where People Lived Before Moving Into Rural Pennsylvania, 2018-2019



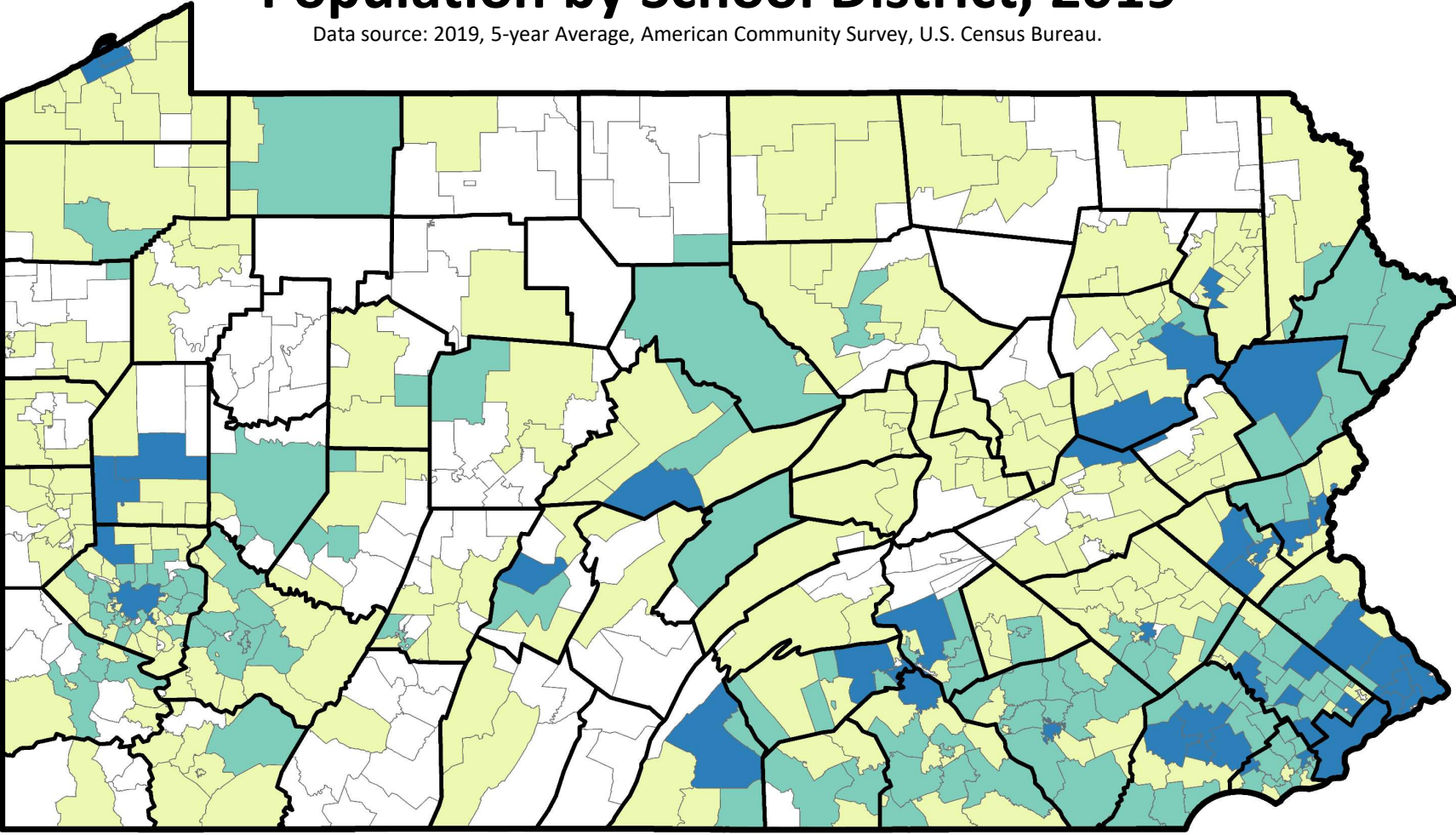
Top 5 States Where People Lived Before Moving Into Rural Pennsylvania, 2019





	People of Color	Non-Hispanic, Whites
New York	5,107	7,486
Texas	3,000	2,334
Florida	2,802	2,254
Georgia	2,508	1,312
Maryland	2,125	4,418

Data source: 2019, 1-year Average, American Community Survey Public Use Microdata Sample (PUMS), U.S. Census Bureau.

Population by School District, 2019

Data source: 2019, 5-year Average, American Community Survey, U.S. Census Bureau.



 <10,000 Population (n=142)	 25,000 to 49,999 Population (n=108)
 10,000 to 24,999 Population (n=211)	 50,000+ Population (n=39)

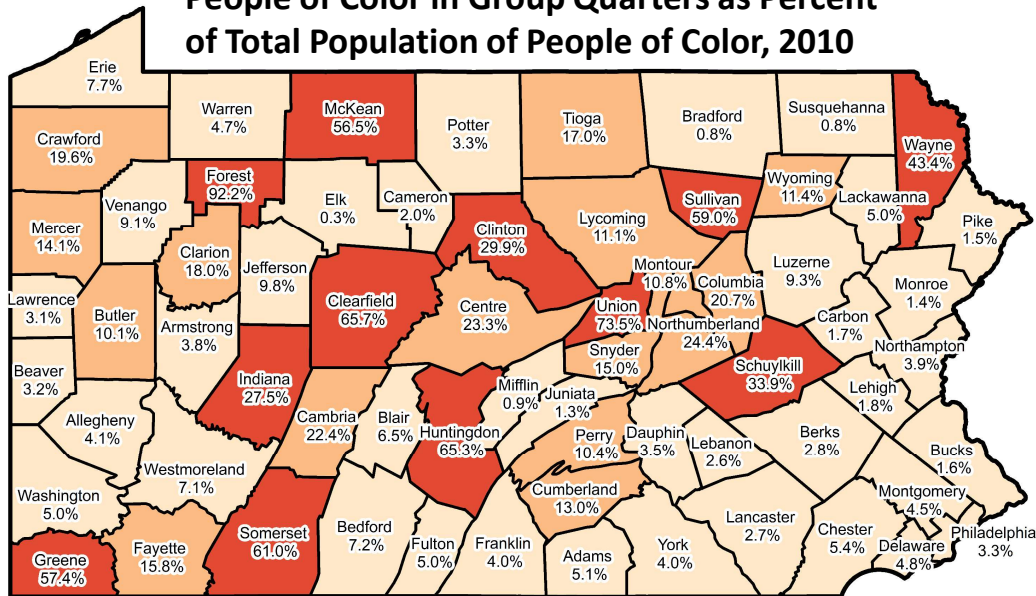
Number and Type of Group Quarters in Pennsylvania, 2010

Data sources: Prison Policy Initiative, and 2010 Census, U.S. Census Bureau.

Number of Institutionalized Group Quarters, 2010	Rural	Urban
Corrections Facilities (Federal, state, local)	81	80
Juvenile Facilities	98	207
Nursing Homes	280	564
Other (Long-term care facilities)	13	48
Total	472	899

Number of Non-Institutionalized Group Quarters, 2010	Rural	Urban
College Dorms/Student Housing	219	480
Other (Group homes, treatment centers, homeless shelters, etc.)	850	2,676
Total	1,058	3,106

People of Color in Group Quarters as Percent of Total Population of People of Color, 2010

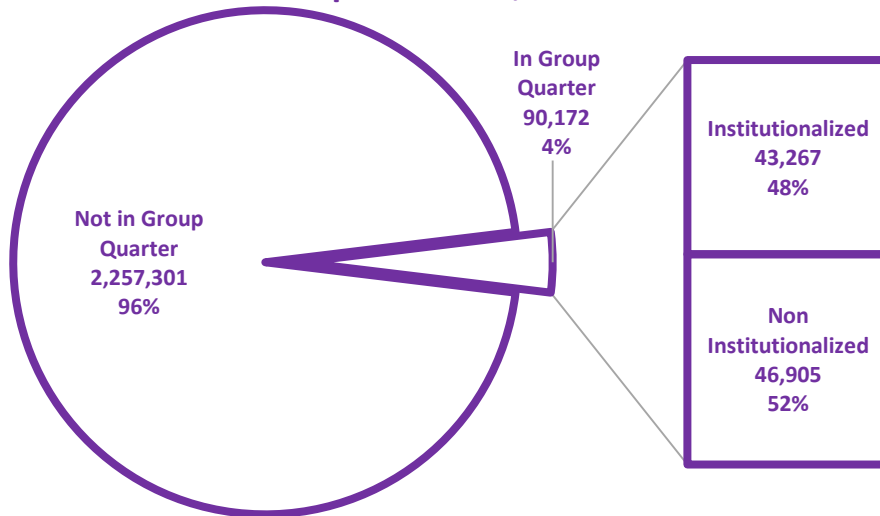


People of Color by Group Quarters, 2010

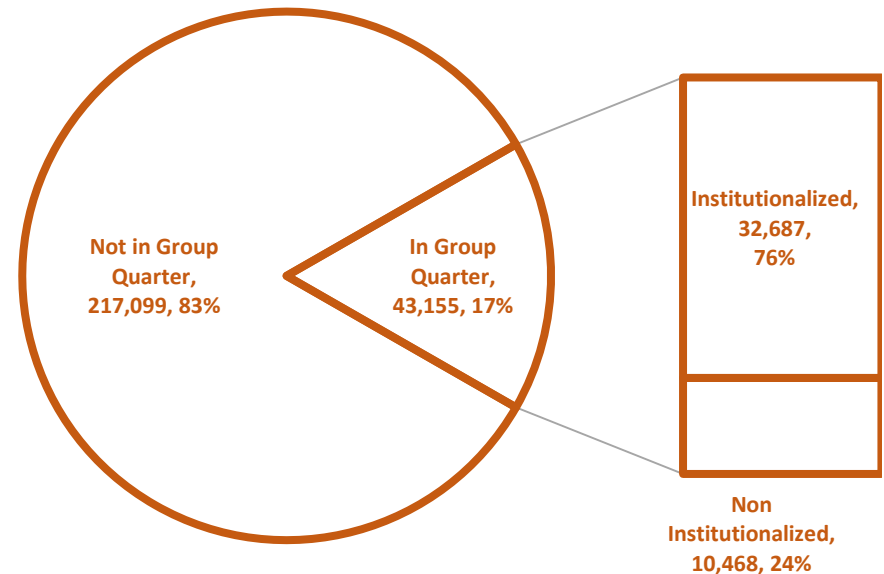
Statewide Rate = 5.1%

<10.0% Population of Color
 10.0% to 24.9% Population of Color
 25.0%+ Population of Color

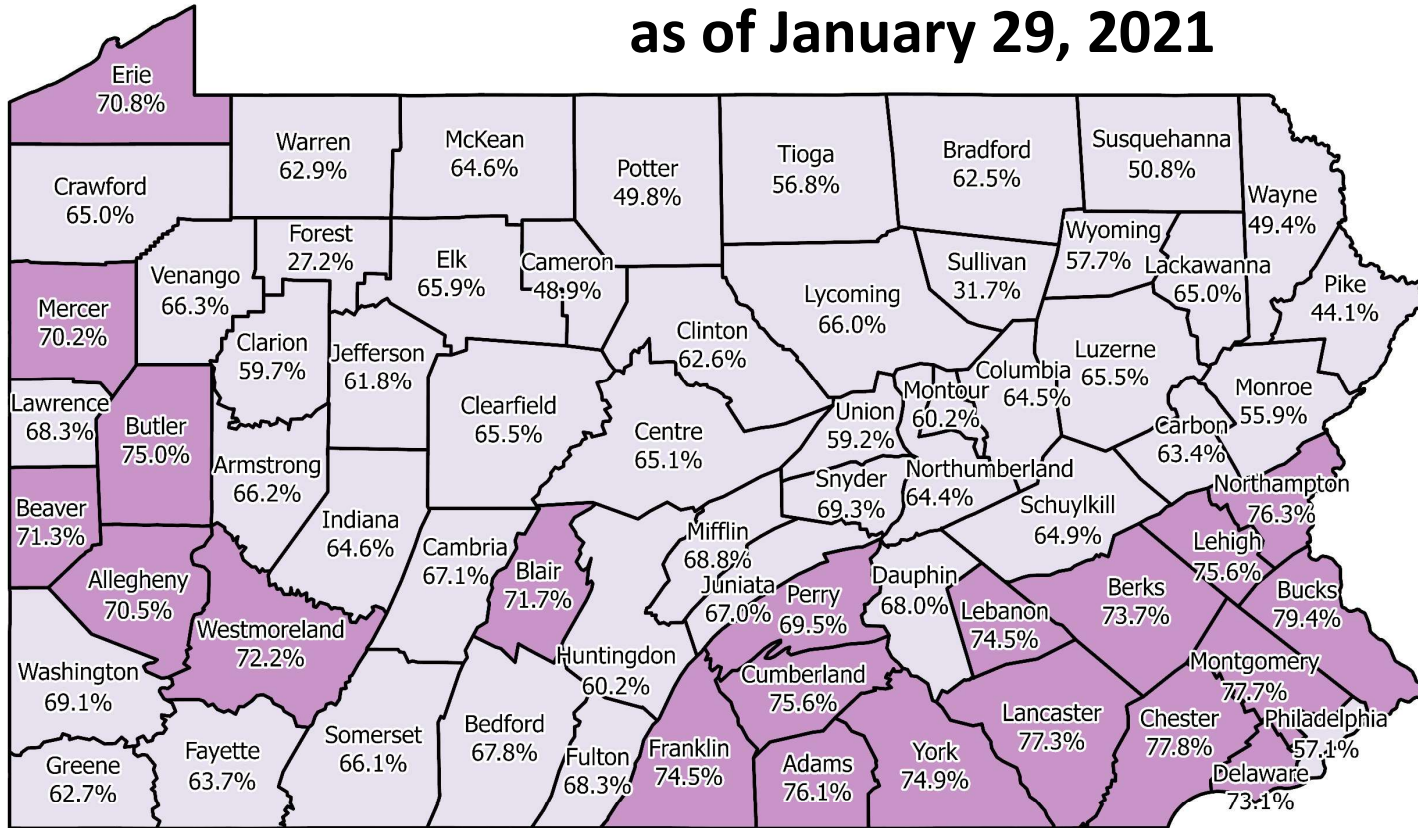
Urban People of Color, 2010



Rural People of Color, 2010



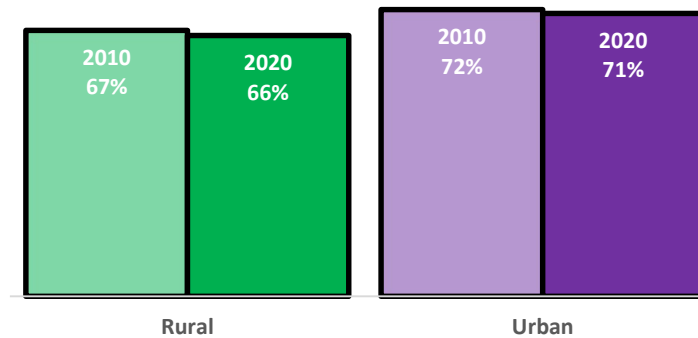
Response Rates for 2020 Decennial Census, by County, as of January 29, 2021



Statewide Response Rate = 69.5%

- Below Statewide Response Rate
- Above Statewide Response Rate

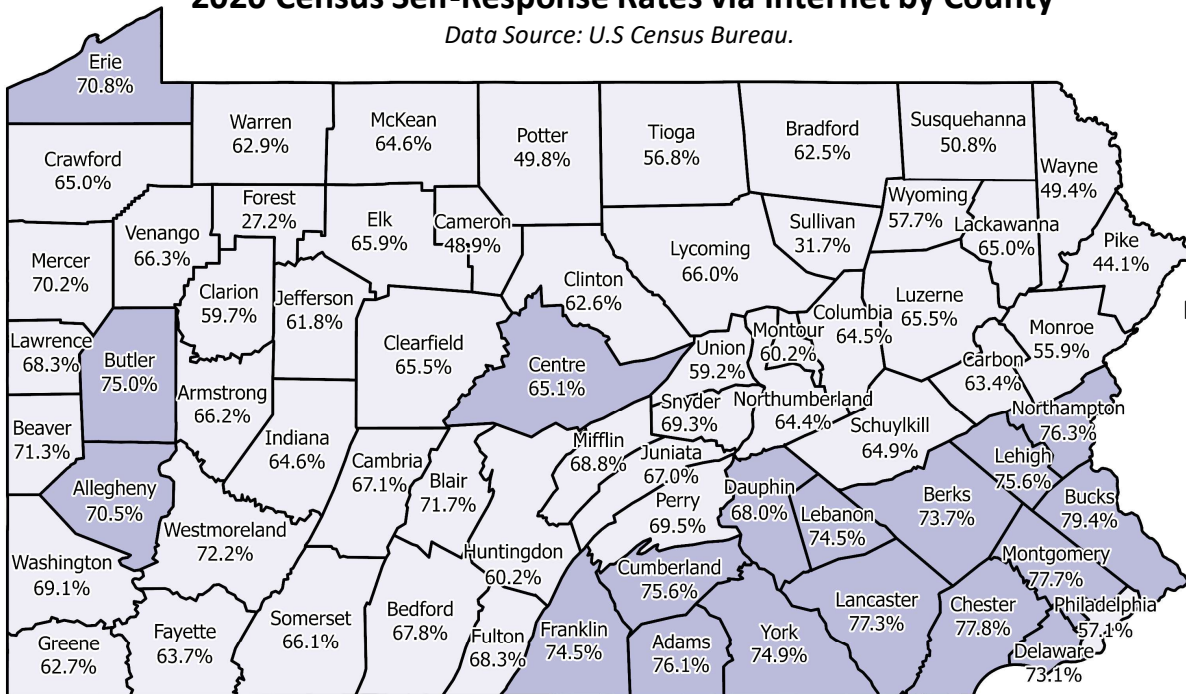
Data source: 2020 Census, U.S. Census Bureau.



Pennsylvania Census Response Rates by Response Type, 2020

2020 Census Self-Response Rates via Internet by County

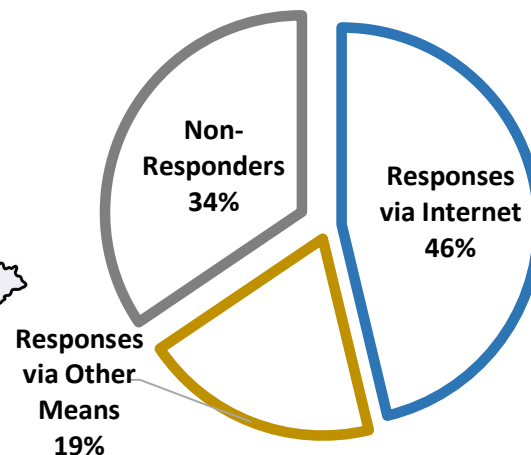
Data Source: U.S. Census Bureau.



Statewide Internet Response Rate = 54.1%

- Below Statewide Internet Response Rate
- At or Above Statewide Internet Response Rate

Rural Pennsylvania Census Response Rates by Response Type



Urban Pennsylvania Census Response Rates by Response Type

