

*Center for*



## School Health-Based Centers in Pennsylvania School Districts

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[www.rural.pa.gov](http://www.rural.pa.gov)

# Table of Contents



Reference Page.....3



Community Indicators.....4



School District Indicators.....16



Health Providers.....22



Children Health Outcomes.....27



Summary.....35

# Rural and Urban Pennsylvania

## Rural Counties

- 48 counties
- About 33,400 square miles (74.6% of total land area)
- Total population of about 3.4 million residents, 2020

## Urban Counties

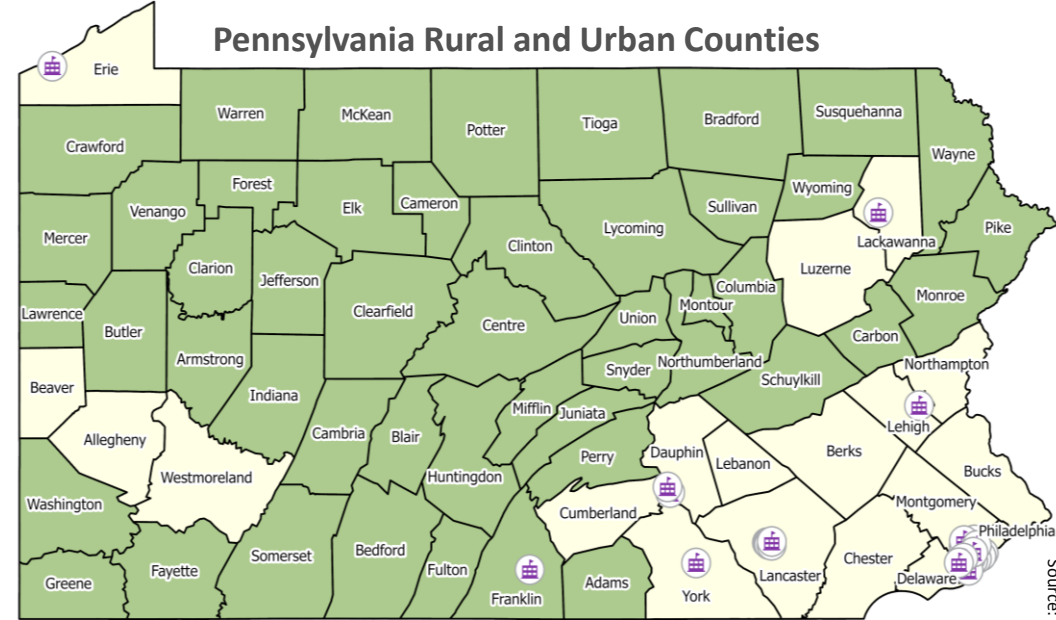
- 19 counties
- About 11,300 square miles (25.4% of total land area)
- Total population of about 9.6 million residents, 2020

## Rural School Districts

- 238 school districts
- 373,563 students enrolled in rural school districts
- Total population of about 3.1 million residents

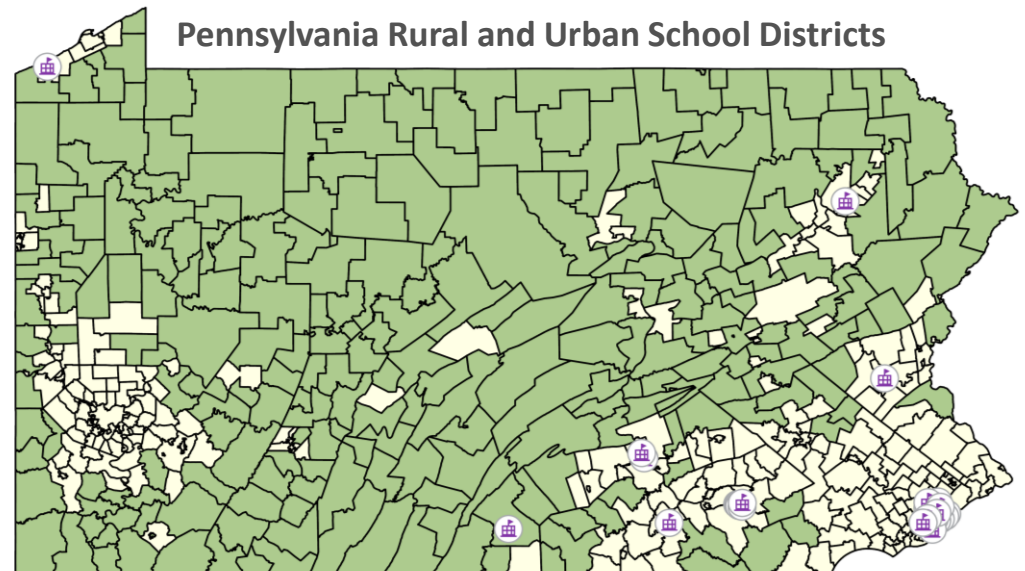
## Urban School Districts

- 262 school districts
- 1,137,397 students enrolled in urban school districts
- Total population of about 9.9 million residents



**Statewide Population Density = 291 Person per Square Land Miles, 2020**

- 19 Urban Counties - Population Density At or Above Statewide Rate
- 48 Rural Counties - Population Density Below Statewide Rate
- 🏫 One School Health-Based Center



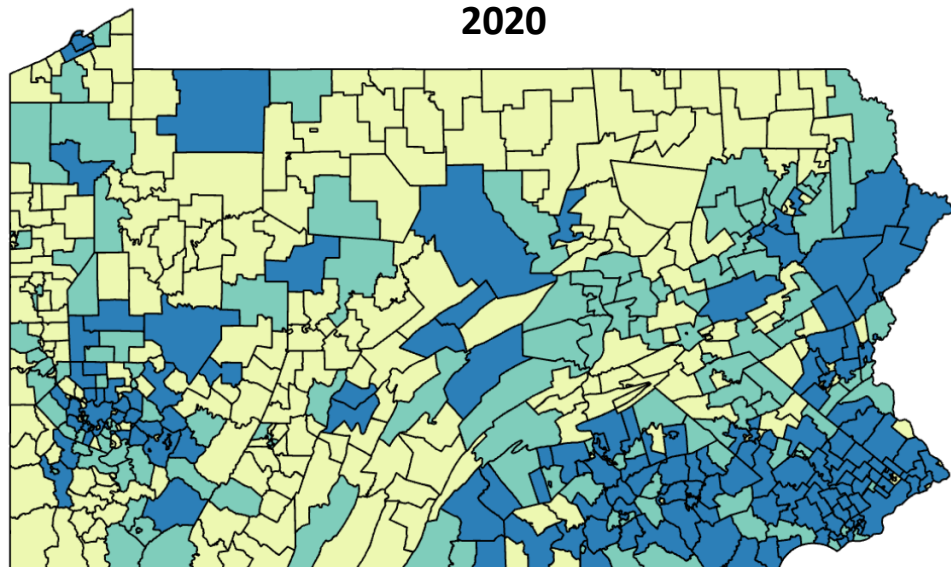
**Statewide Population Density = 291 Persons per Square Land Mile, 2020**

- 262 Urban School Districts - Population Density At or Above Statewide Rate
- 238 Rural School Districts - Population Density Below Statewide Rate
- 🏫 One School Health-Based Center



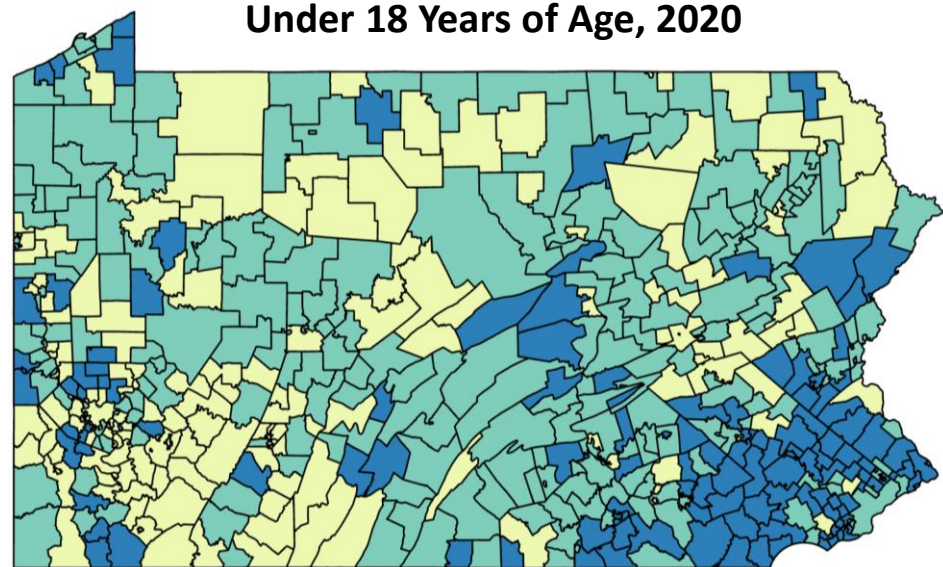
## **Section 1: Community Indicators**

### Total Population, 2020



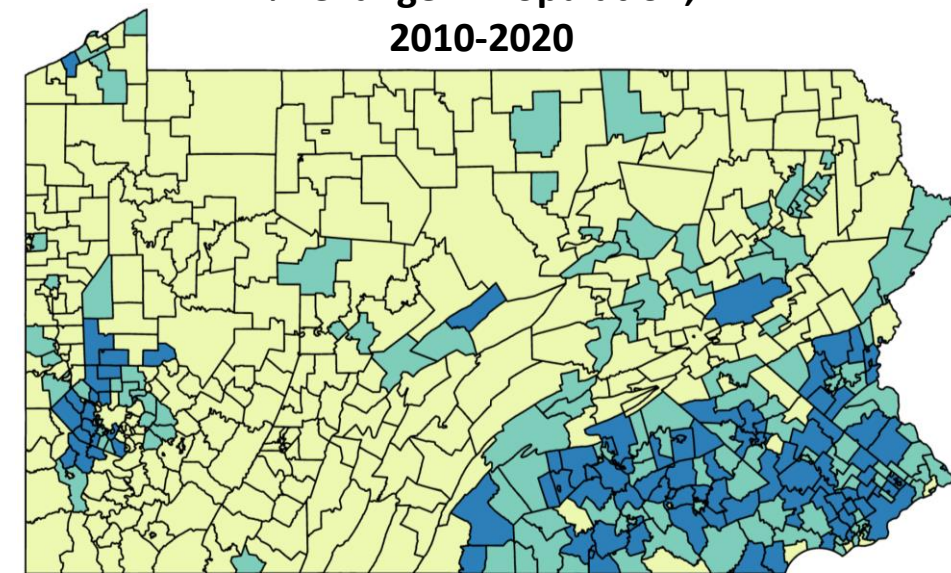
<15,000    15,000 to 24,999    25,000+

### % of Households with People Under 18 Years of Age, 2020



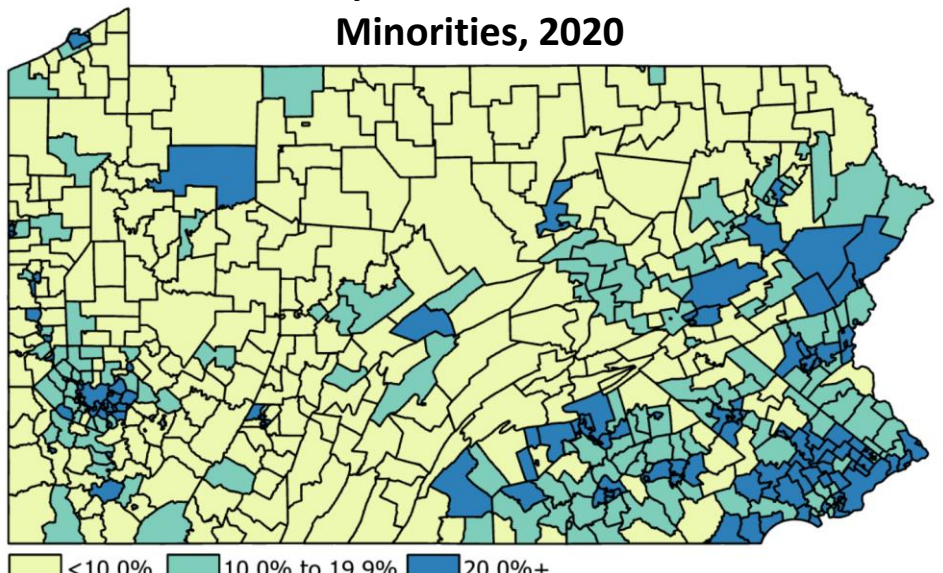
<25.0%    25.0% to 29.99%    30.0%+

### % Change in Population, 2010-2020



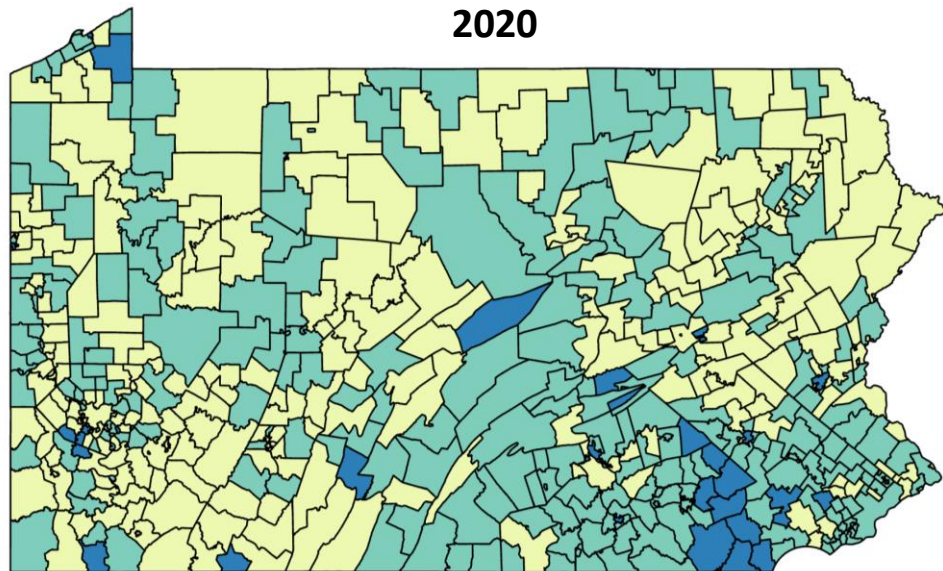
Decrease or No Change    0.1% to 4.9%    5.0%+

### % of the Population are Racial/Ethnic Minorities, 2020



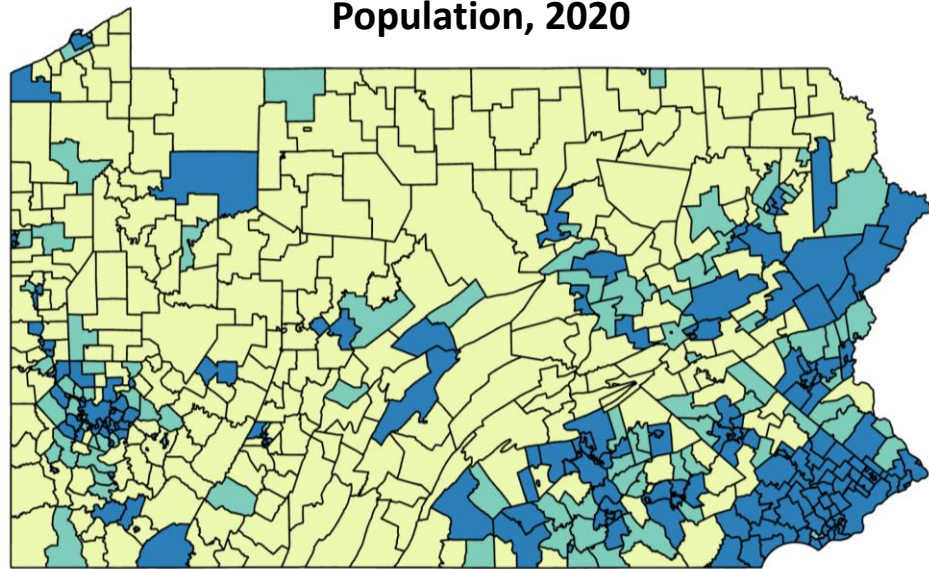
<10.0%    10.0% to 19.9%    20.0%+

### % of the Population under 18, 2020



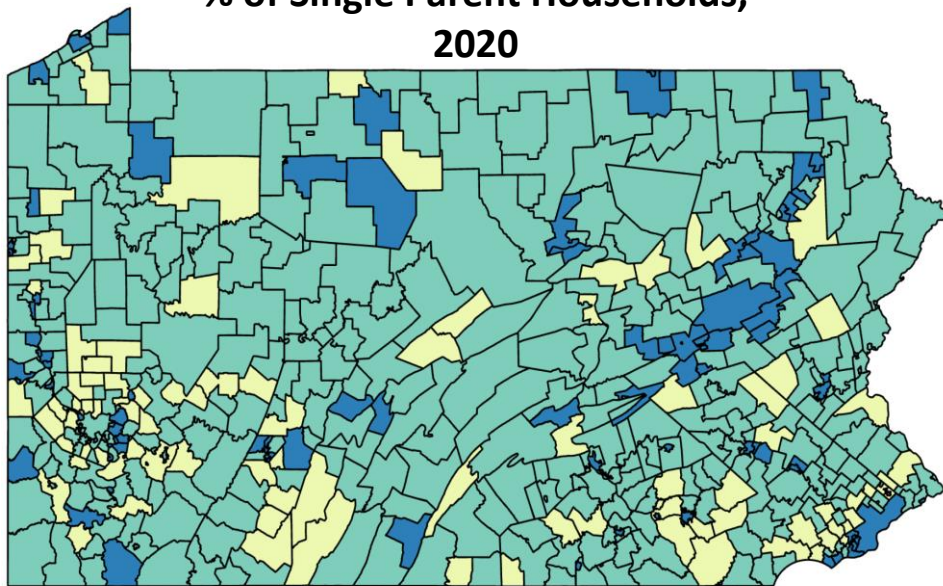
<20.0% 20.0% to 24.99% 25.0%+

### People of Color as % of Population, 2020



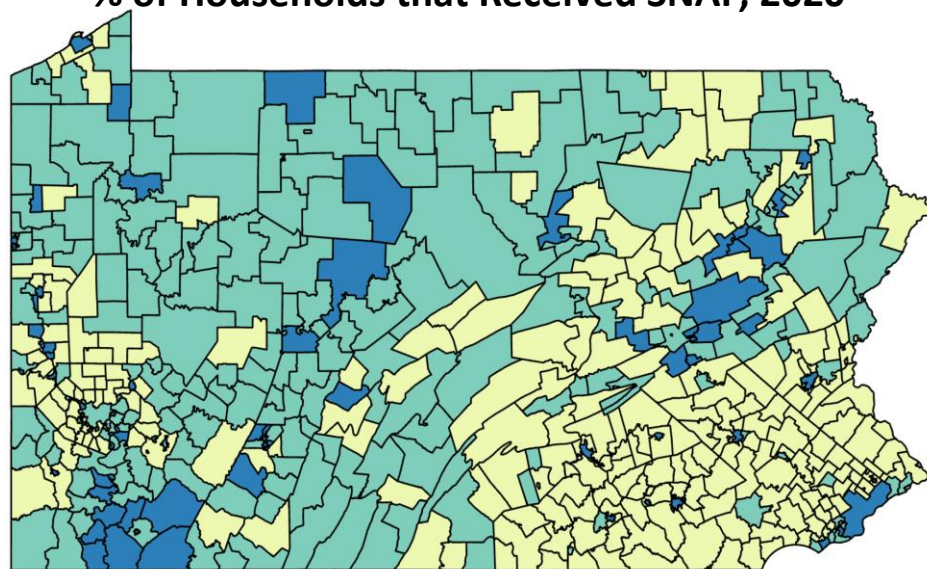
<10.0% 10.0% to 14.99% 15.0%+

### % of Single Parent Households, 2020



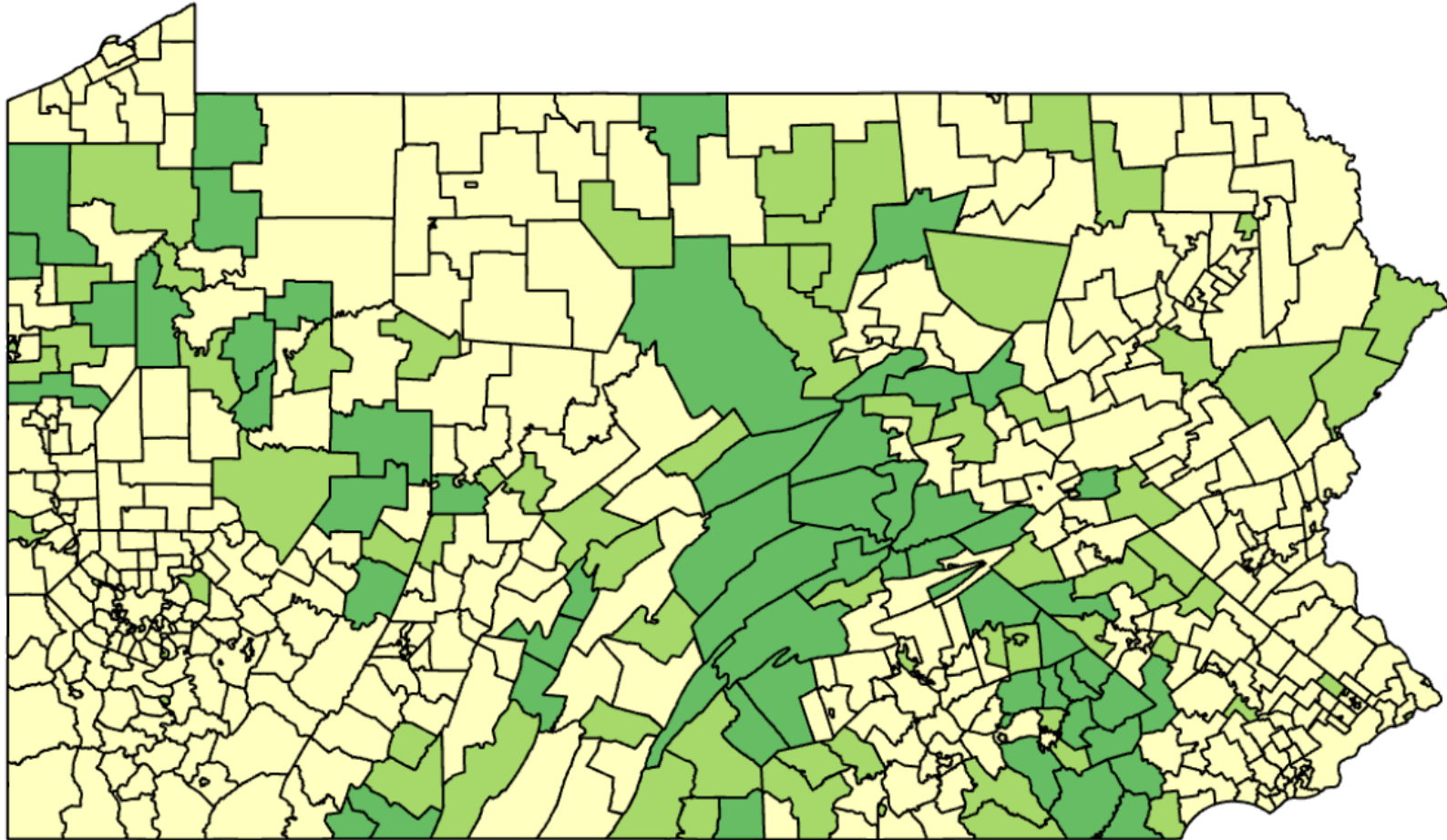
<5.0% 5.0% to 9.99% 10.0%+

### % of Households that Received SNAP, 2020



<10.0% 10.0% to 19.99% 20.0%+

# Under 19 without Health Insurance, 2020



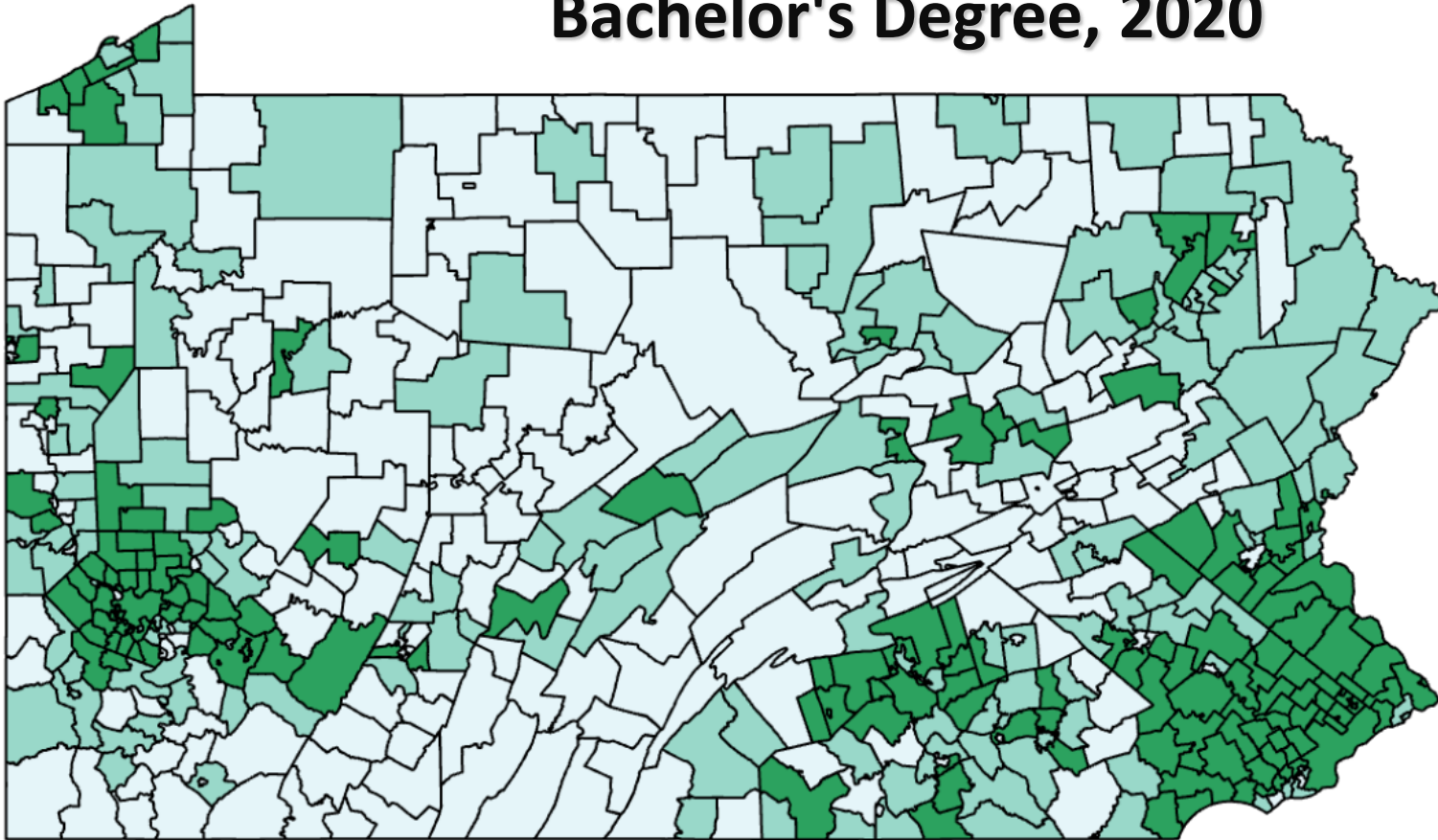
**Statewide Rate of Persons Under 19 With No Health Insurance = 4.6%**

□ <5.0%    □ 5.0% to 9.99%    □ 10.0%+

Number of Persons in Rural School Districts  
under 19 without Health Insurance = 8.0%

Number of Persons in Urban School Districts  
under 19 without Health Insurance = 3.5%

# Percent of the Population that has at least a Bachelor's Degree, 2020

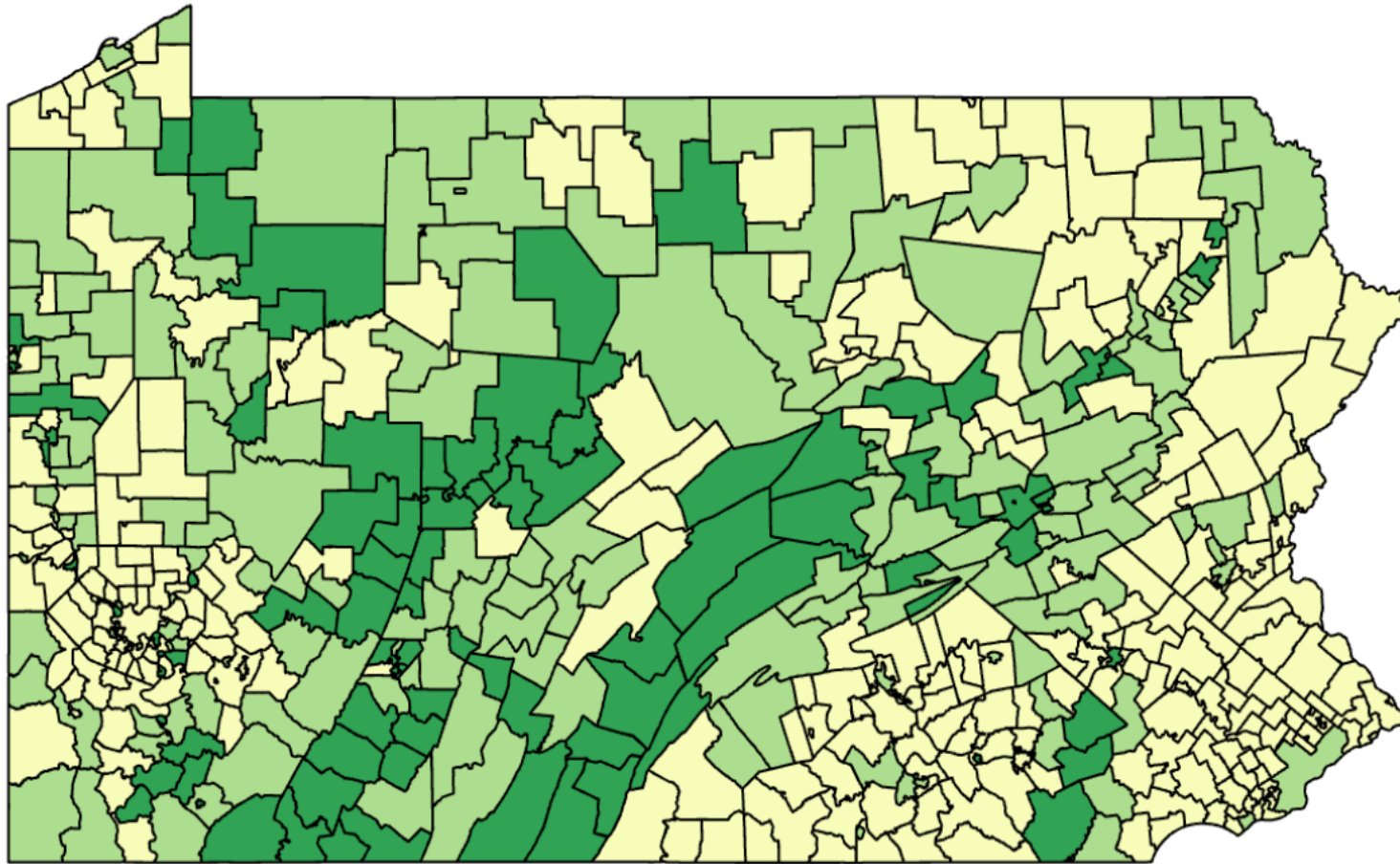


Less Than 20.0%
  20.0% to 29.99%
  30.0%+

Education	Rural School Districts	Urban School Districts
# Persons 25+ Years Old	2,262,588	6,727,410
No High School Diploma	10.1%	8.6%
High School Diploma or Equivalency	43.8%	30.9%
Some College, No Degree	15.5%	16.0%
Associate's Degree	9.4%	8.4%
Bachelor's Degree or Higher	21.2%	36.1%



# Households without Internet Access, 2020



## Internet Access

- 16.4% of rural households lack internet access
- 12.2% of urban households lack internet access

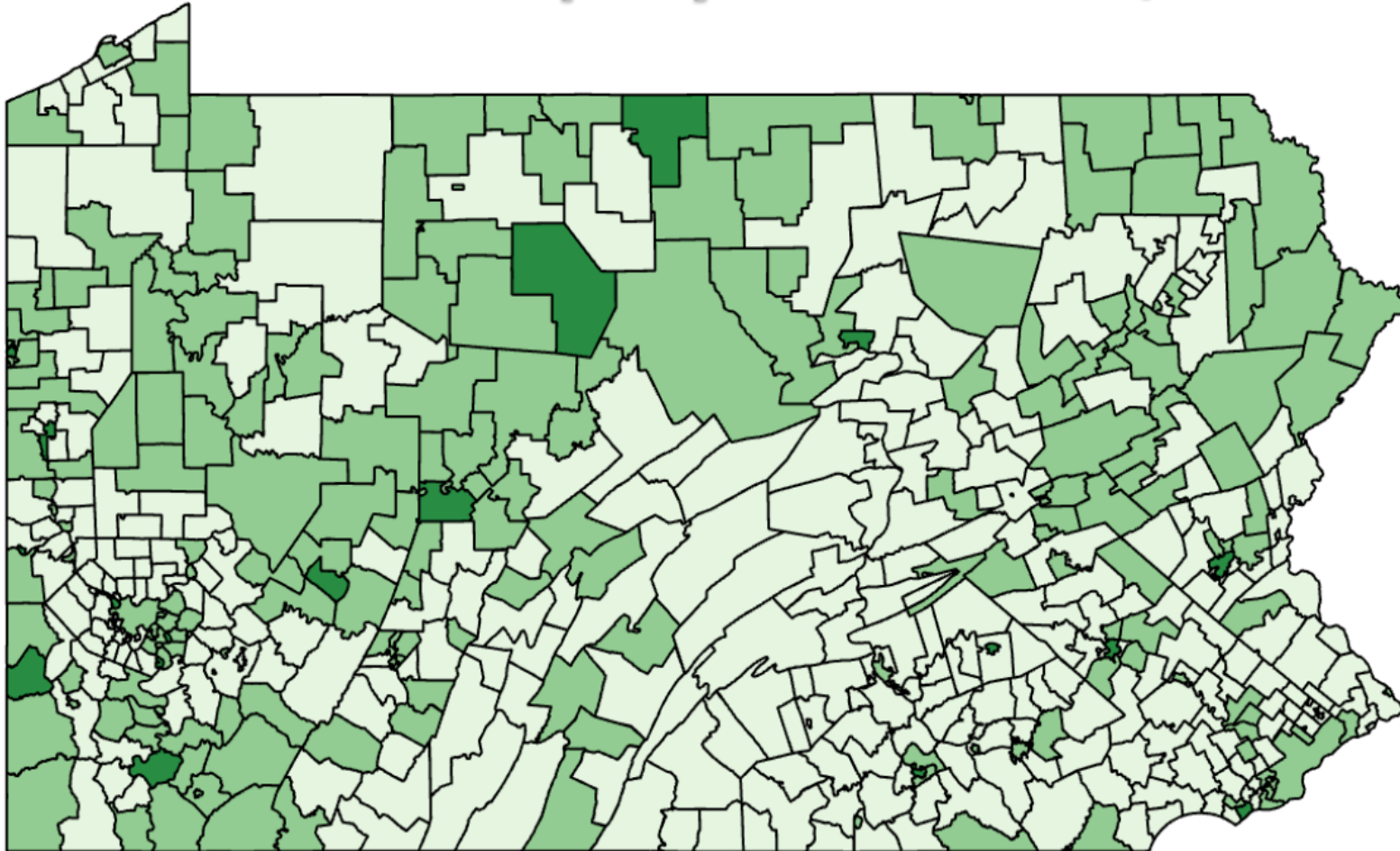
**Statewide Total of Households without Internet Access = 675,906**

Less than 15.0%
  15.0% to 19.99%
  More than 20.0%




Top 5 Rural School Districts	Percent of Households
Pequea Valley School District	33.0%
Purchase Line School District	30.0%
United School District	29.3%
Blacklick Valley School District	29.0%
Solanco School District	28.0%

Top 5 Urban School Districts	Percent of Households
Columbia Borough School District	27.0%
McKeesport Area School District	25.0%
Shenandoah Valley School District	24.6%
Greater Johnstown School District	24.0%
Aliquippa School District	23.3%

# Unemployment Rate, 2020



**Statewide Unemployment rate = 5.4%**

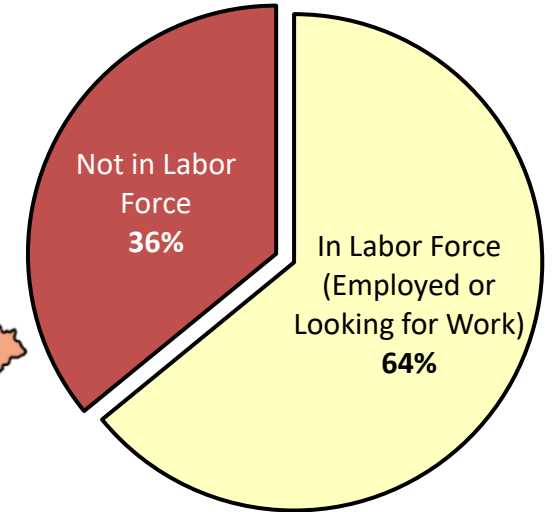
 <5.0%    5.0% to 9.9%    10.0%+

Unemployment rate in rural school districts:  
4.8%

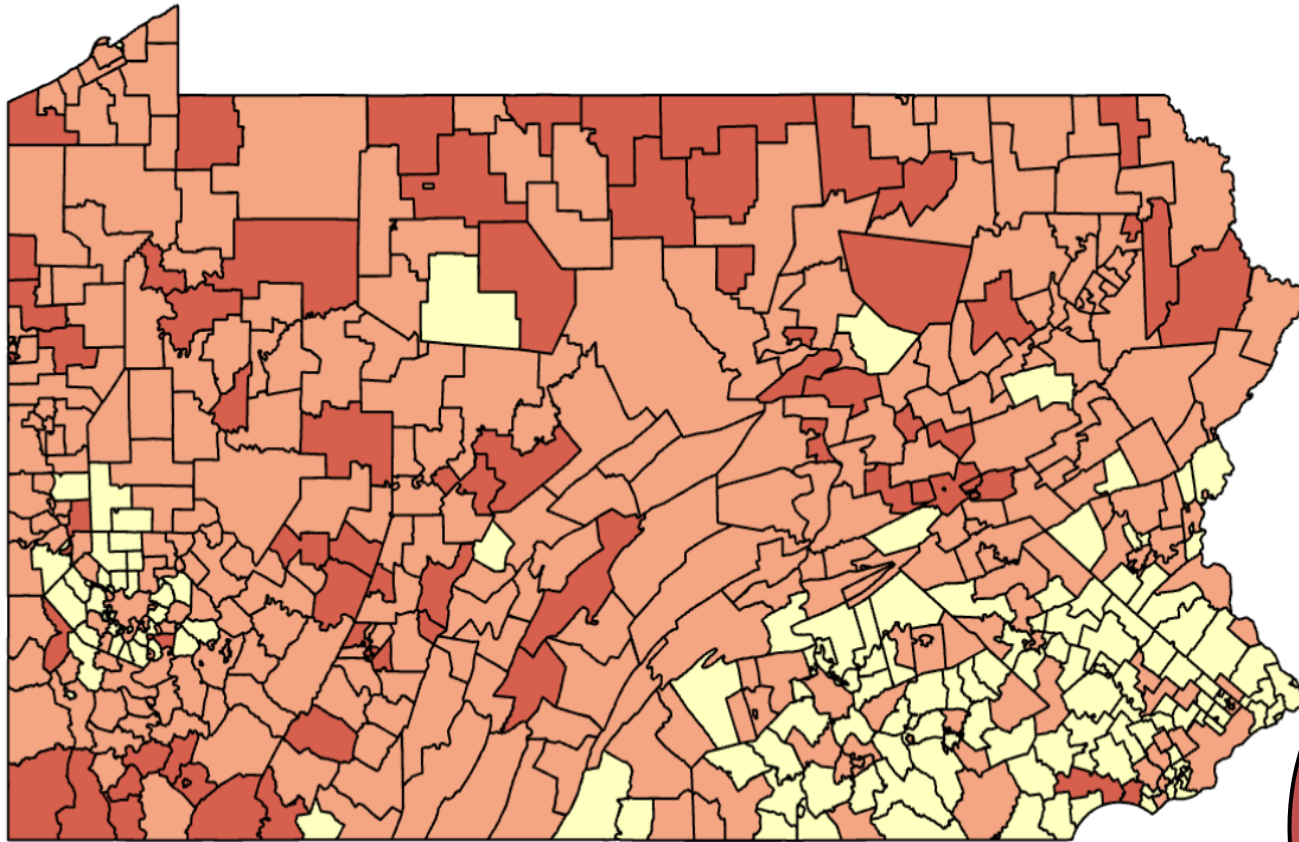
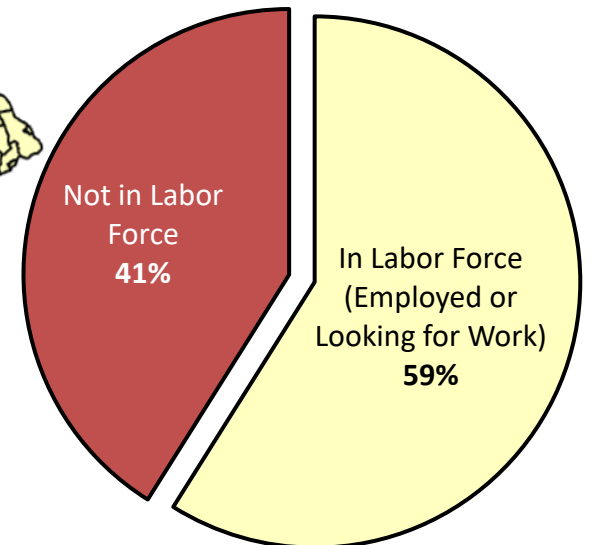
Unemployment rate in urban school districts:  
5.5%

# Labor Force Participation Rate, 2020

## Urban School Districts, 2020

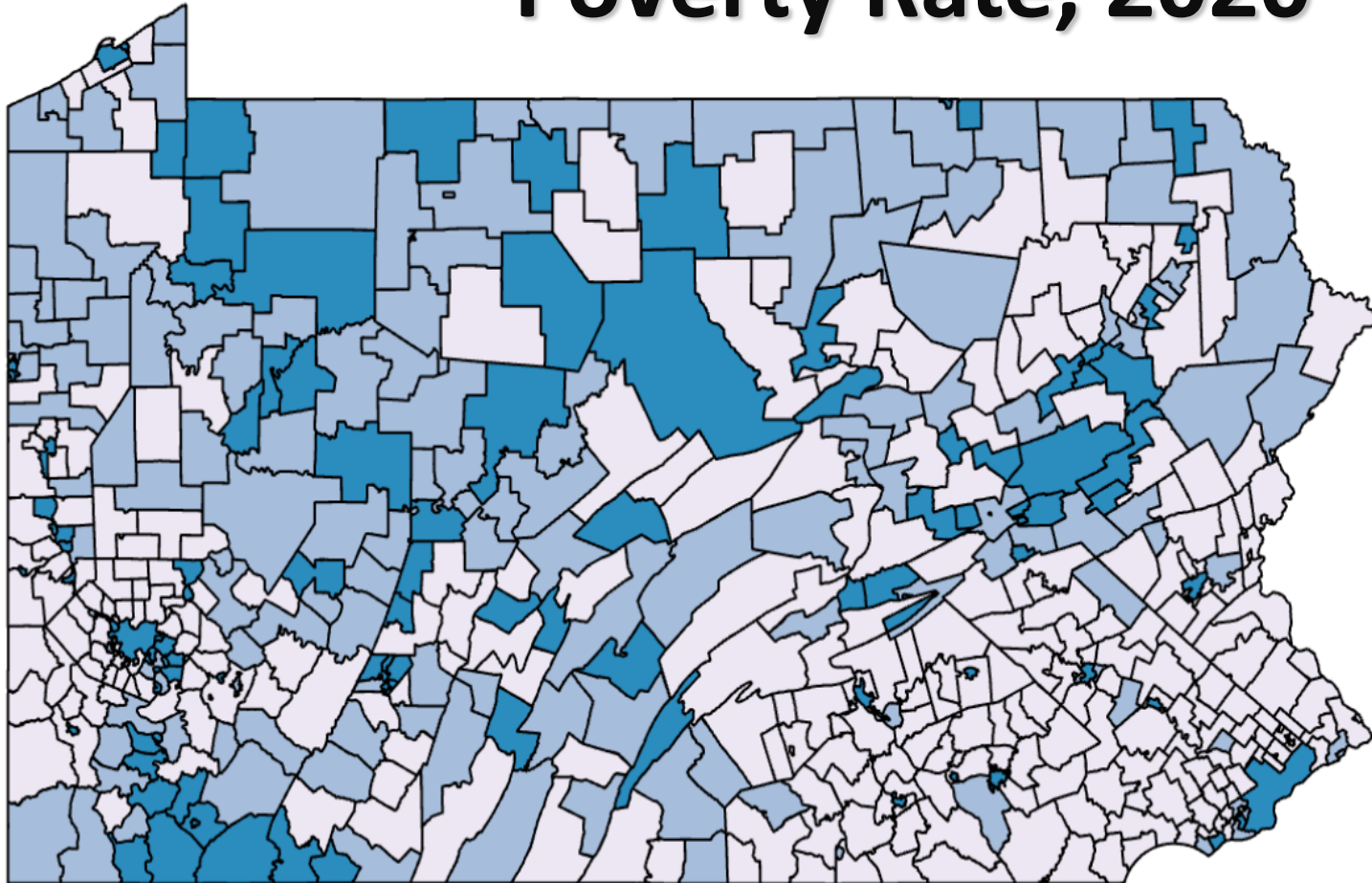


## Rural School Districts, 2020



**<35.0%**   **35.0% to 44.9%**   **45.0%+**

# Poverty Rate, 2020



## Poverty Rate

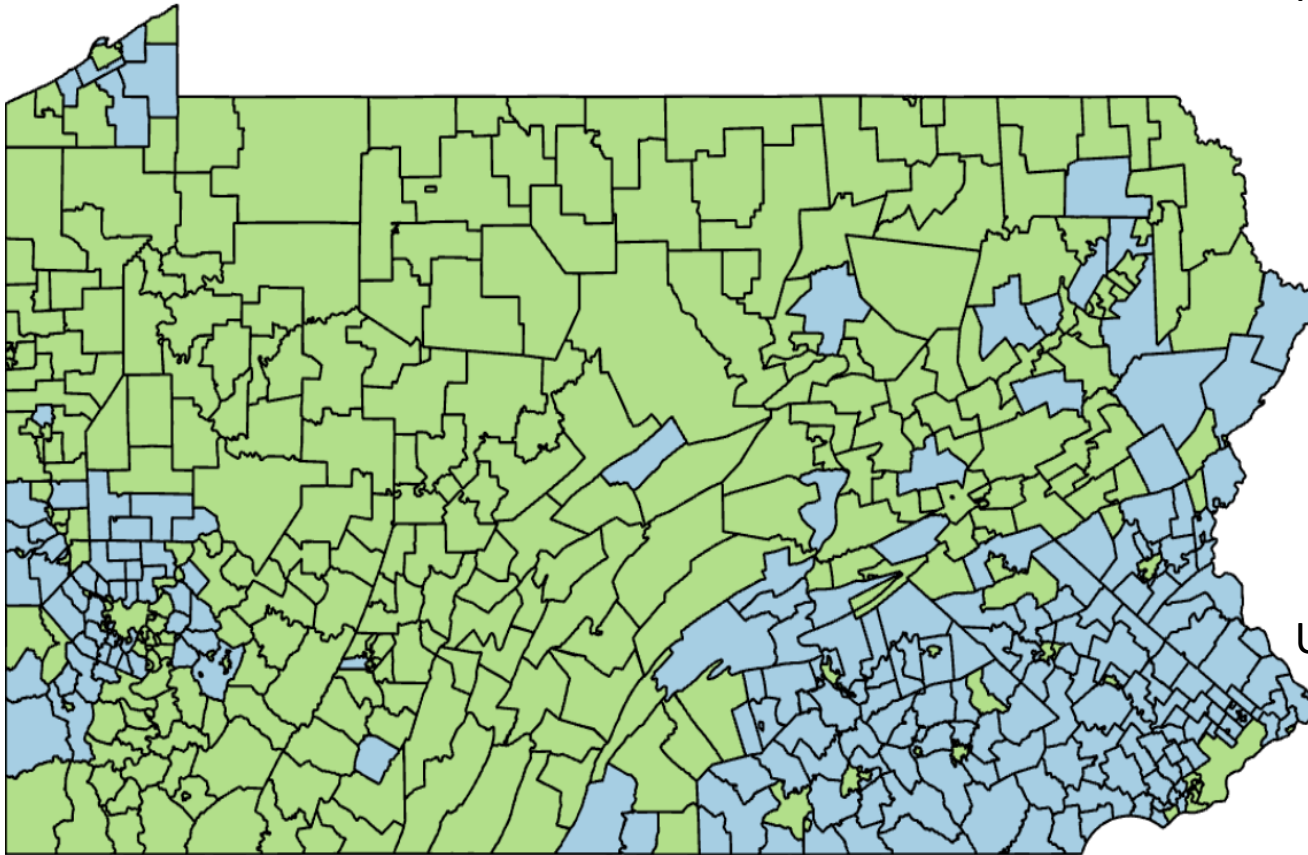
- 10.8% of Rural School Districts are in Poverty
- 12.3% of Urban School Districts are in Poverty

<10.0%
  10.0% to 14.99%
  15.0%+

Top 5 Rural School Districts	Percent of Persons
Mahanoy Area School District	28.7%
Brownsville Area School District	23.4%
Uniontown Area School District	21.9%
Southeastern Greene School District	21.1%
Shamokin Area School District	20.8%

Top 5 Urban School Districts	Percent of Persons
Farrell Area School District	37.4%
Duquesne City School District	35.6%
Reading School District	30.9%
Chester-Upland School District	30.0%
Shenandoah Valley School District	30.0%

# Household Income, 2020

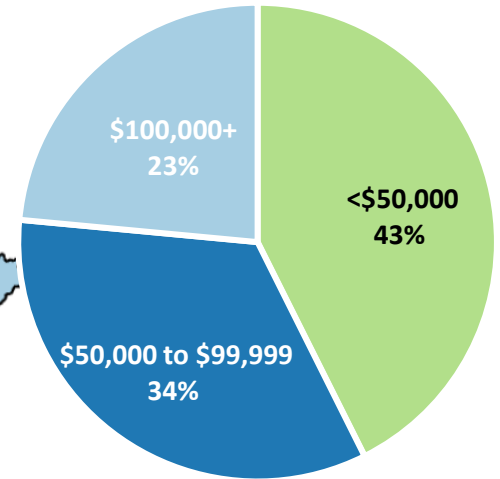


**Statewide Median Household Income = \$63,627**

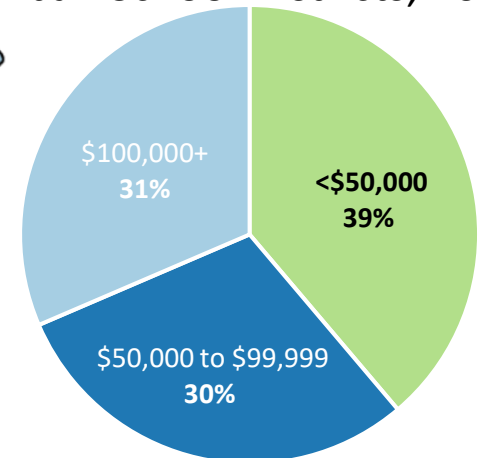
■ At or below statewide rate

■ Above statewide rate

### Rural School Districts, 2020

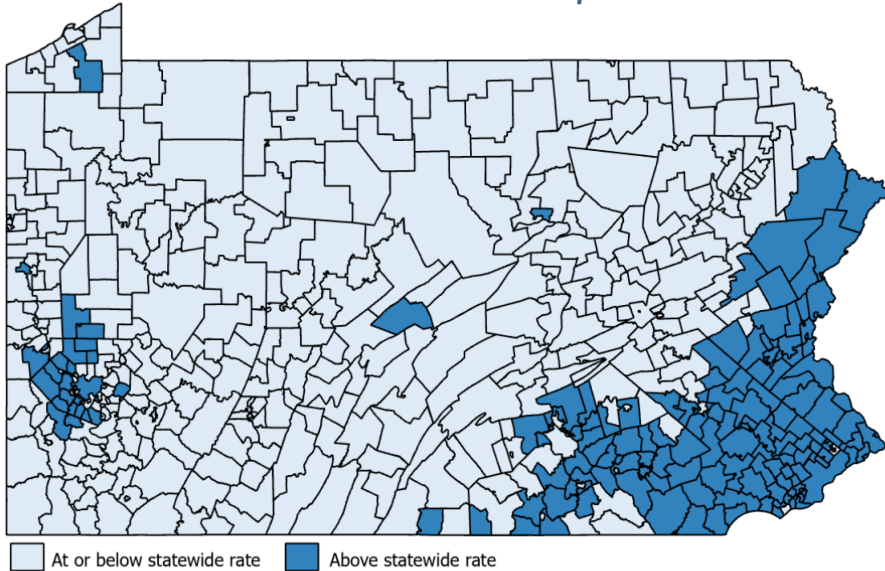


### Urban School Districts, 2020



# Median Monthly Gross Rent, 2020

Statewide Rate = \$958



## Top 5 Most Expensive School Districts by Rent, 2020

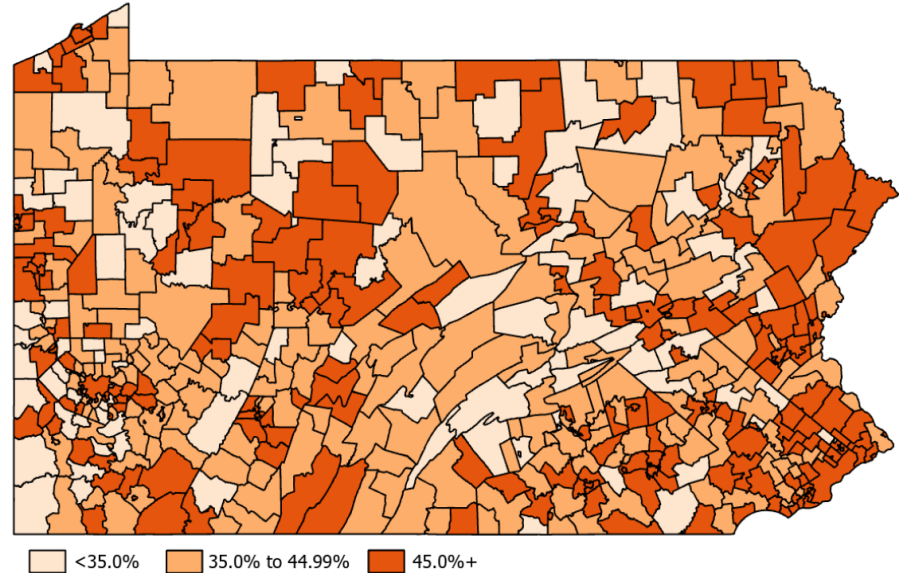
Top 5 Rural School Districts	Rent
Palisades SD	\$1,311.0
Pleasant Valley SD	\$1,272.0
East Stroudsburg Area SD	\$1,246.0
Pocono Mountain SD	\$1,144.0
Northwestern Lehigh SD	\$1,127.0

Top 5 Urban School Districts	Rent
Garnet Valley SD	\$1,857.0
Great Valley SD	\$1,707.0
Council Rock ScD	\$1,690.0
Tredyffrin-Easttown SD	\$1,656.0
Upper St. Clair SD	\$1,650.0

## Average Monthly Gross Rent, 2020

Rural School Districts = \$820  
 Urban School Districts = \$1,090  
 Pennsylvania = \$1,044

# Percent of Renters that Pay 30%+ of Income for Rent, 2020



5-year Avg. American Community Survey, U.S. Census Bureau

## Top 5 School Districts with 30.0%+ of Income for Rent, 2020

Top 5 Rural School Districts	Percent
Curwensville Area SD	58.9%
Susquehanna Community	58.6%
East Stroudsburg Area SD	57.1%
Pleasant Valley SD	56.3%
Portage Area SD	54.9%

Top 5 Urban School Districts	Percent
Union Area SD	63.7%
State College Area SD	63.5%
Lampeter-Strasburg SD	62.7%
Indiana Area SD	62.6%
Southeast Delco SD	61.8%

**Rural School Districts:**  
 30% to 49% monthly income for Rent = 21.5%

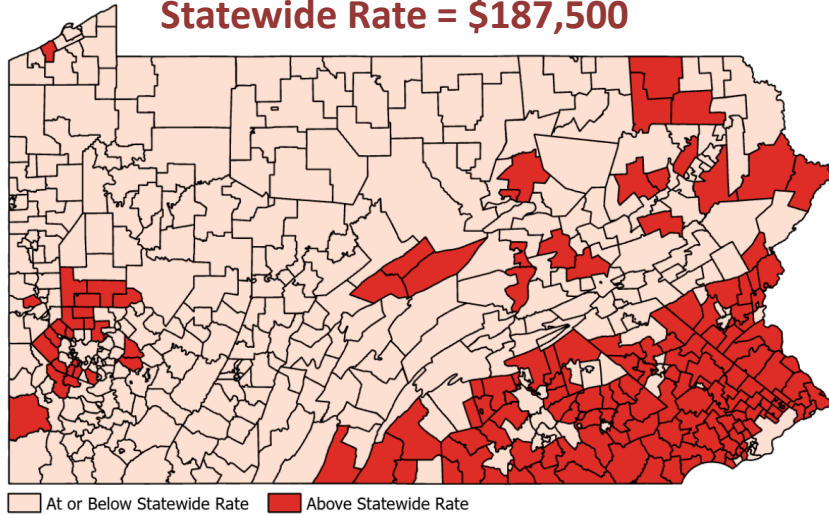
50%+ Monthly Income for Rent = 19.7%

**Urban School Districts:**  
 30% to 49% Monthly Income for Rent = 23.1%

50%+ Monthly Income for Rent = 24.7%

## Median Home Value, 2020

Statewide Rate = \$187,500

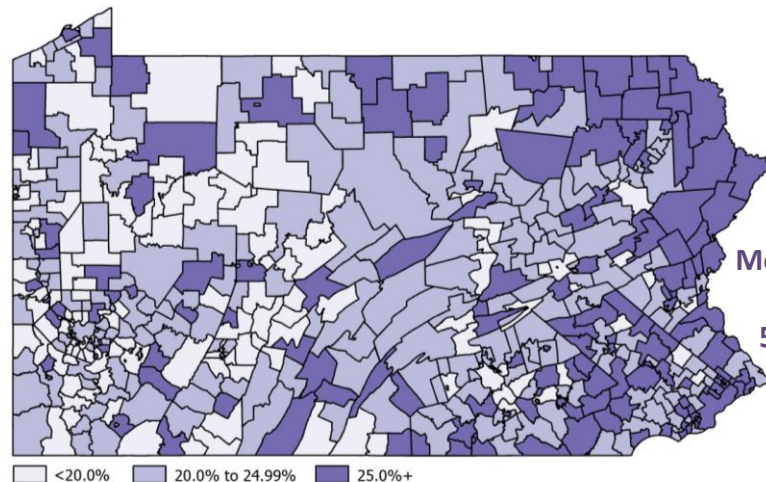


## Top 5 School Districts with Highest Median Home Value, 2020

Top 5 Rural School Districts	Median Home Value
Palisades SD	\$398,500
Pequea Valley SD	\$313,700
Northwestern Lehigh SD	\$271,800
Octorara Area SD	\$245,200
Solanco SD	\$244,700

Top 5 Urban School Districts	Median Home Value
Radnor Township SD	\$640,800
Lower Merion SD	\$624,800
New Hope-Solebury SD	\$621,900
Tredyffrin-Easttown SD	\$606,500
Unionville-Chadds Ford SD	\$547,600

## Percent of Homeowners that Pay 30%+ of Income for Mortgages



**Rural School Districts:**  
30% to 49% monthly income for Mortgages, Taxes, Insurance, etc. = 14.4%

50%+ Monthly Income for Mortgages, Taxes, Insurance, etc. = 8.9%

**Urban School Districts:**  
30% to 49% Monthly Income for Mortgages, Taxes, Insurance, etc. = 15.1%

50%+ Monthly Income for Mortgages, Taxes, Insurances, etc. = 9.4%

Legend: <20.0% (light blue), 20.0% to 24.99% (medium blue), 25.0%+ (dark blue)



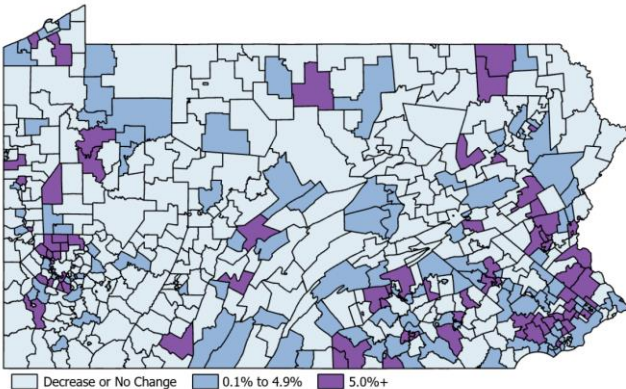
## Section 2: School District Indicators



# Teachers, 2017 to 2021

## Classroom Teachers

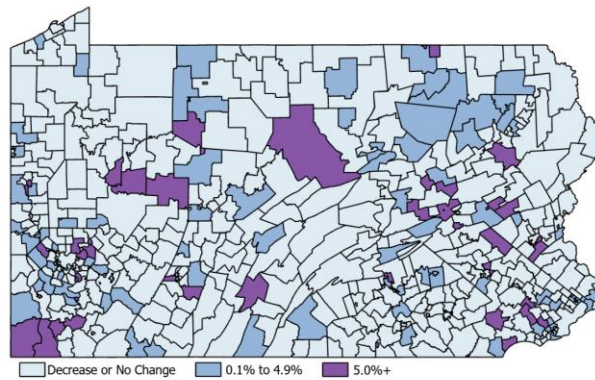
% Change 2017 to 2021



- In rural school districts the number of classroom teachers declined 2.7%
- In urban school districts the number of Classroom teachers increased 1.5%

## Enrollment per Teacher

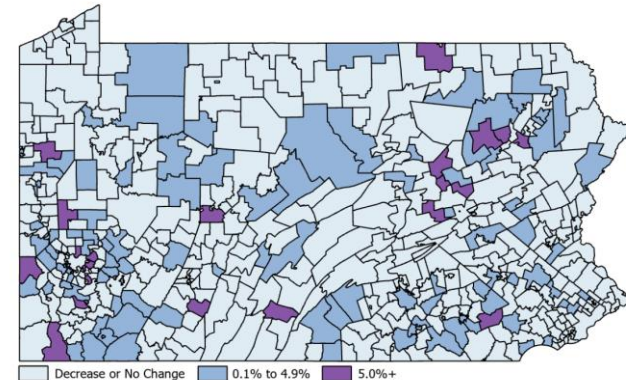
% Change 20-17 to 2021



- Rural School Districts in 2021, there were 13.3 students per teacher. In 2017 there was 14.0.
- Urban School Districts in 2021, there were 14.5 students per teacher. In 2017 there was 15.2.

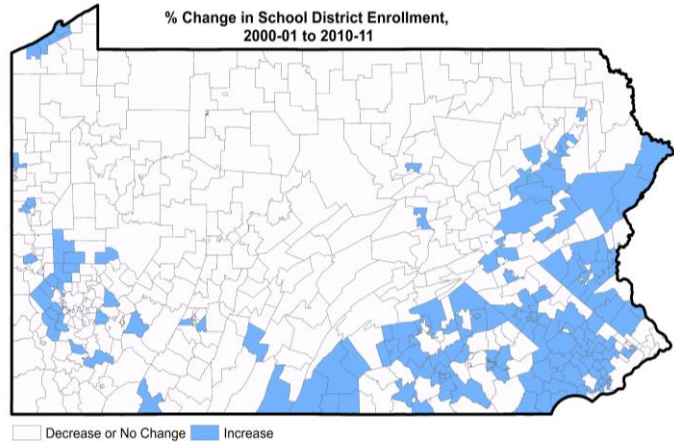
## Teacher's Salary

% Change 2017 to 2021



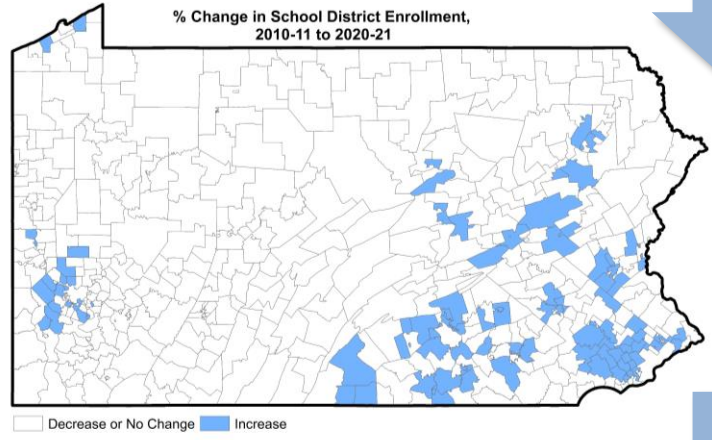
- Average rural school districts teacher salary in 2021 was \$65,733. A decrease of 1.5% from 2017.
- Average urban school districts teacher salary in 2021 was \$75,876. A decrease of 2.3% from 2017.

Source: 2000-1, 2010-11, and 2020-21 Average Daily Membership, PA Dept. Education



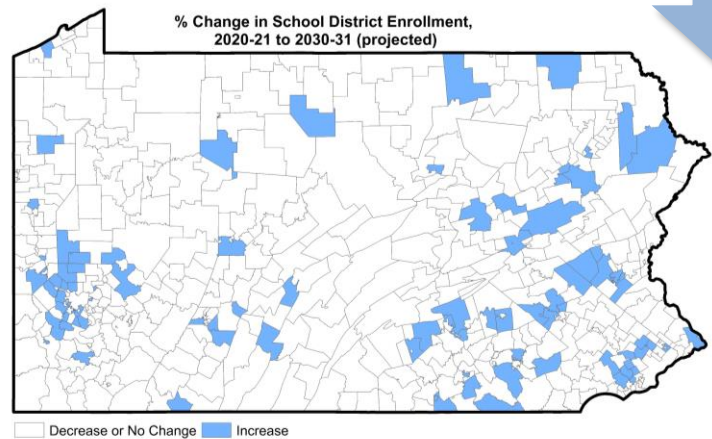
**Total Student Enrollment, 2001 to 2011**

**Total Student Enrollment, 2011**  
 Rural School Districts = 453,485  
 (↓9.0% from 2001)  
 Urban School Districts = 1,317,122  
 (↓1% from 2001)  
 Source: Average Daily Membership, PA Dept. Education



**Total Student Enrollment, 2011 to 2021**

**Total Student Enrollment, 2021**  
 Rural School Districts = 395,300  
 (↓13.0% from 2011)  
 Urban School Districts = 1,295,100  
 (↓2.0% from 2011)  
 Source: Average Daily Membership, PA Dept. Education



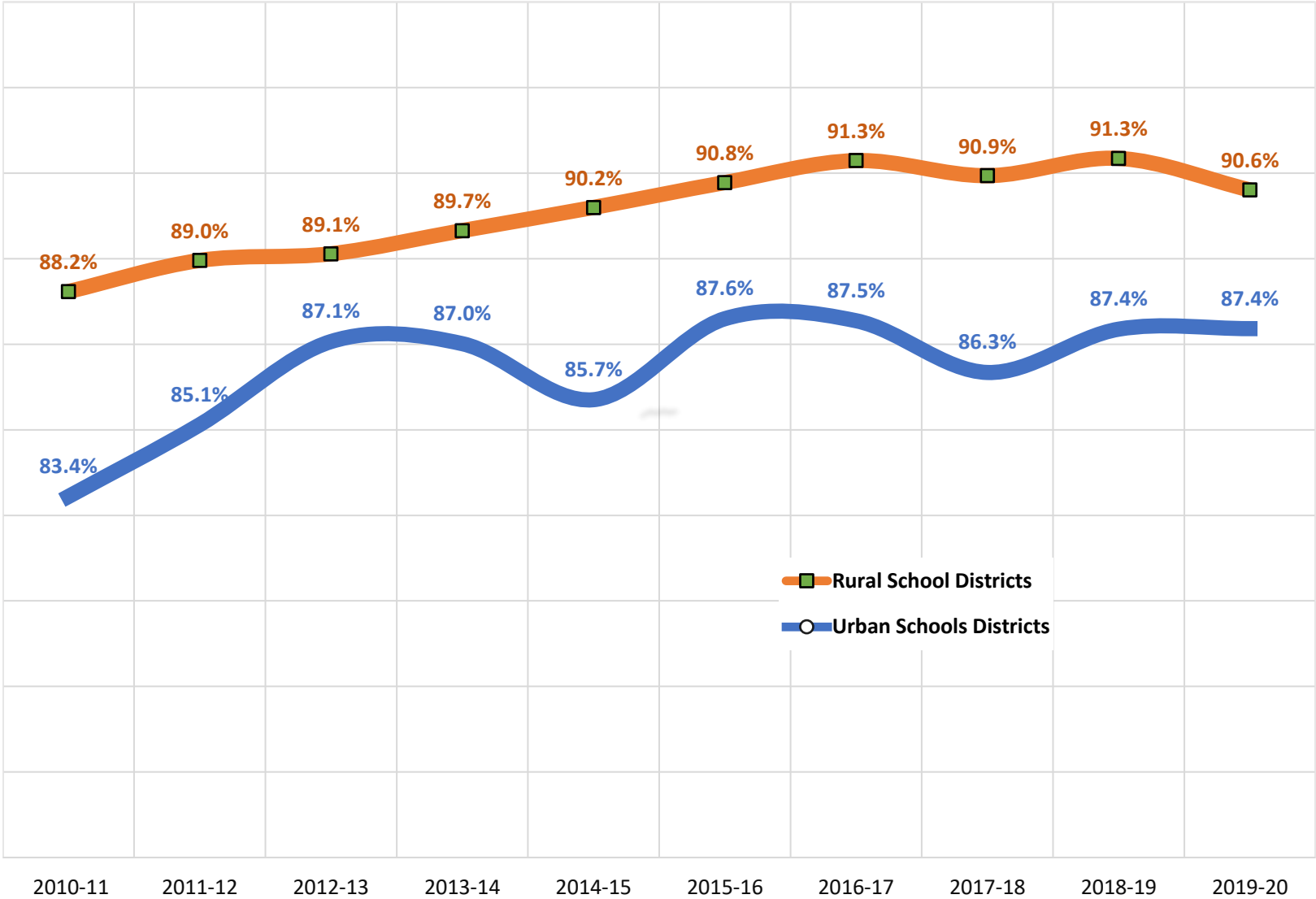
**Projected Total Student Enrollment, 2021 to 2031**

**Projected Student Enrollment, 2031**  
 Rural School Districts = 325,870  
 (↓13.0% from 2021)  
 Urban School Districts = 1,037,884  
 (↓9.0% from 2021)  
 Source: Total Enrollment, PA Dept. Education

# Rural School Districts Have a Higher High School Graduation Rate than Urban School Districts

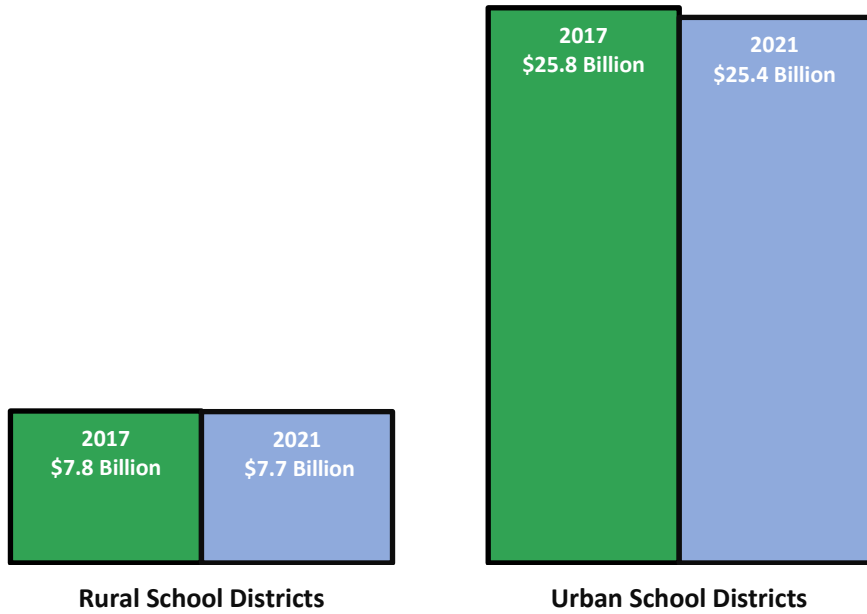
Graduation Rates, 2011 to 2020

Note: 4-year cohort rate. Data source: Pennsylvania Department of Education

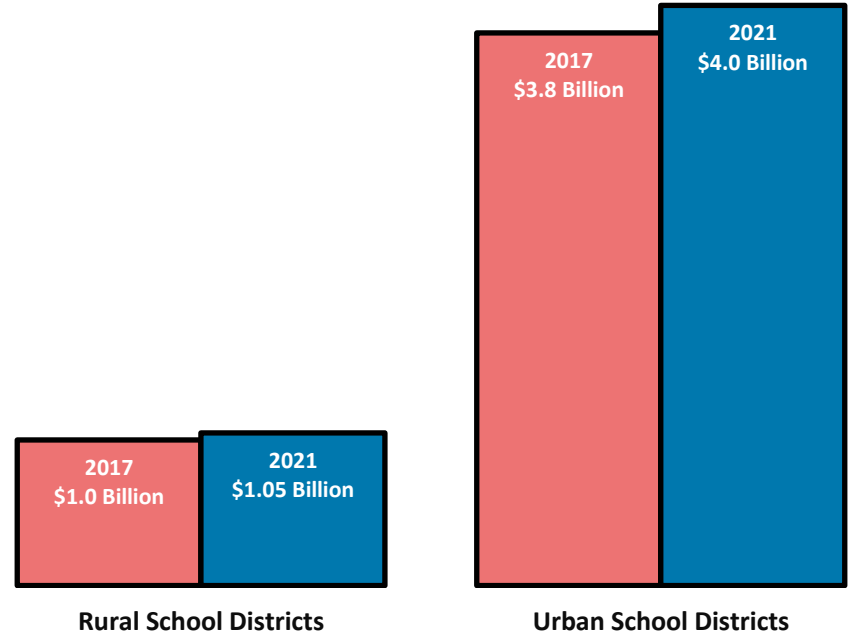


■ Rural School Districts  
○ Urban Schools Districts

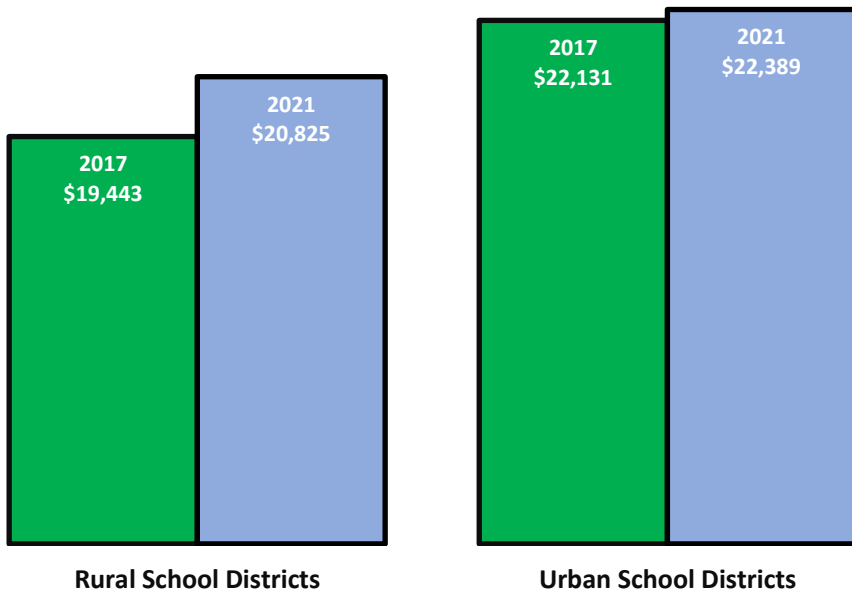
### Total District Expenditures, 2017-2021



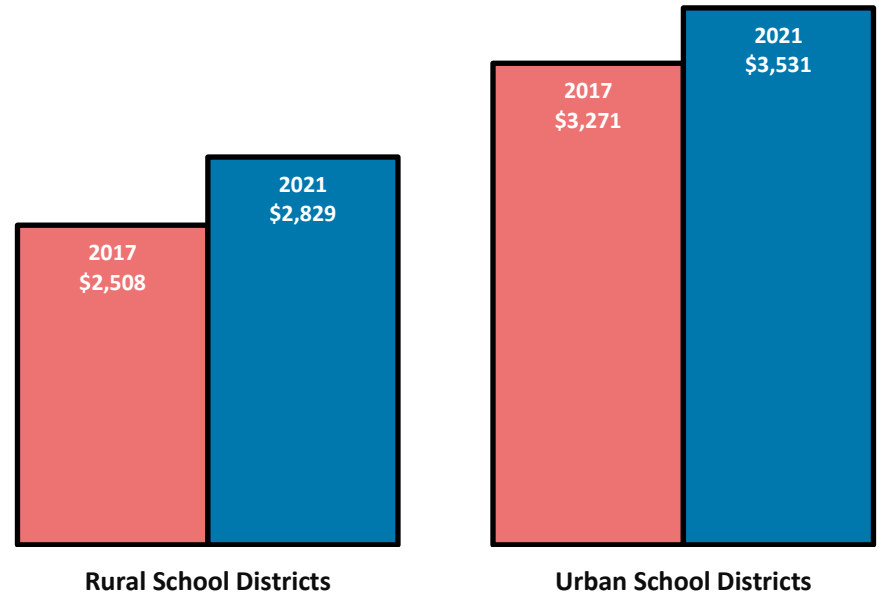
### Special Education Expenditures, 2017-2021



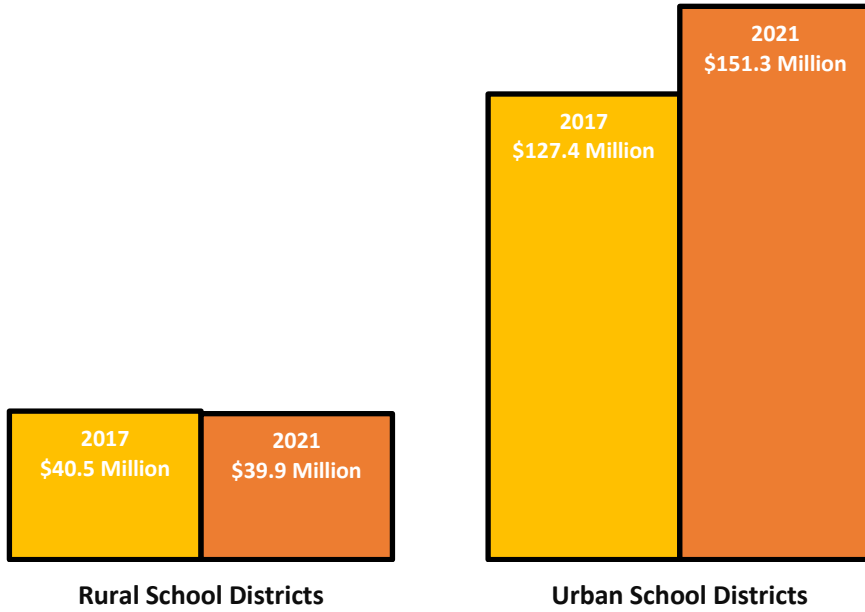
### Total Expenditures Per Student, 2017-2021



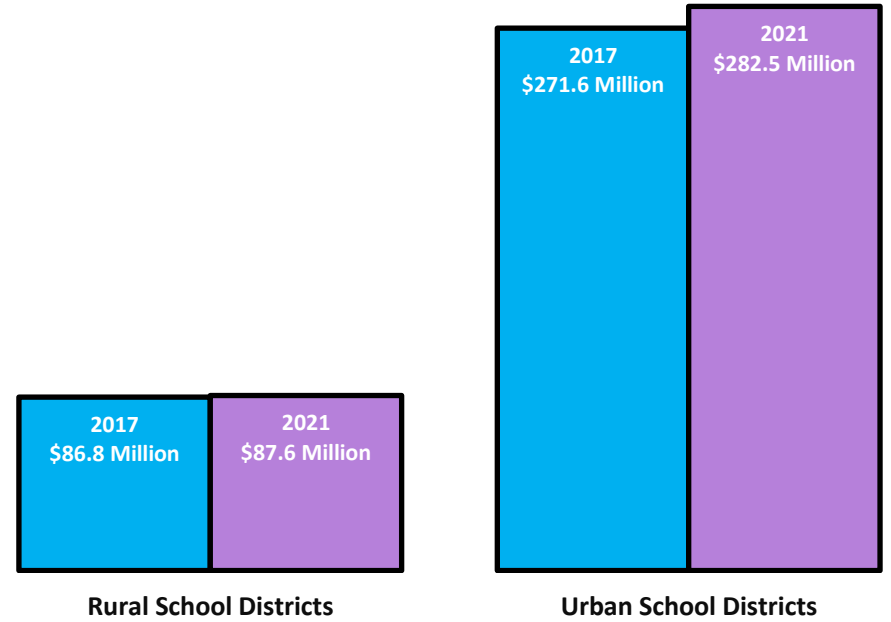
### Special Ed. Expenditure Per Student, 2017-2021



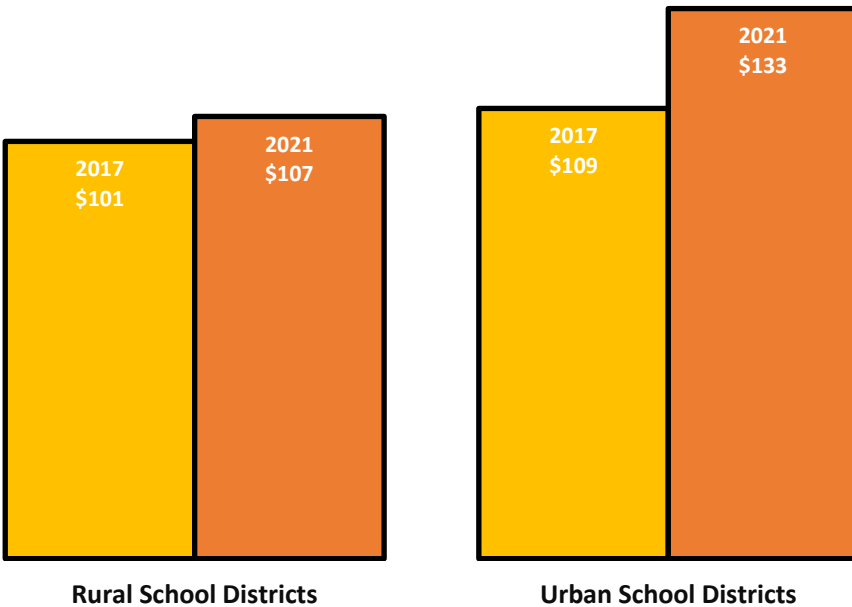
## Psychological Services Expenditures, 2017-2021



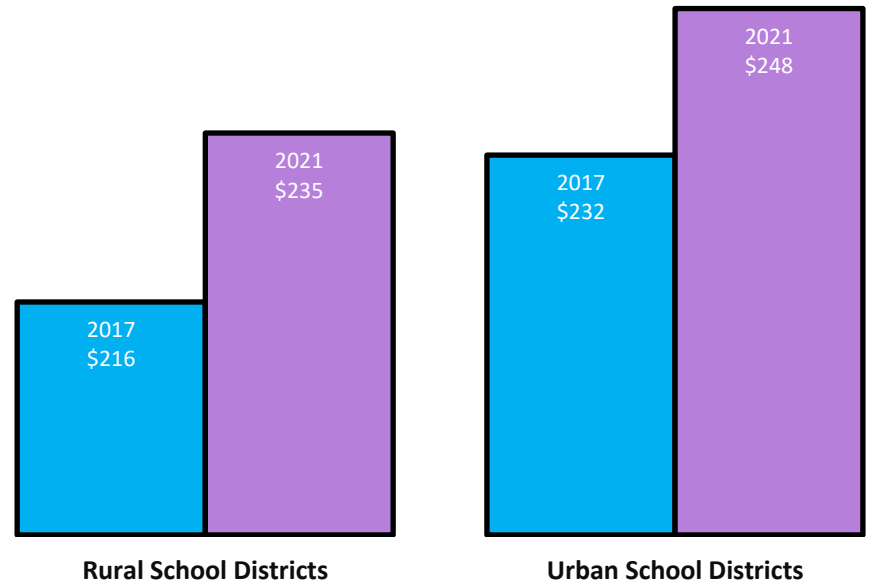
## Pupil Health Expenditures, 2017-2021



## Psychological Services Per Student, 2017-2021



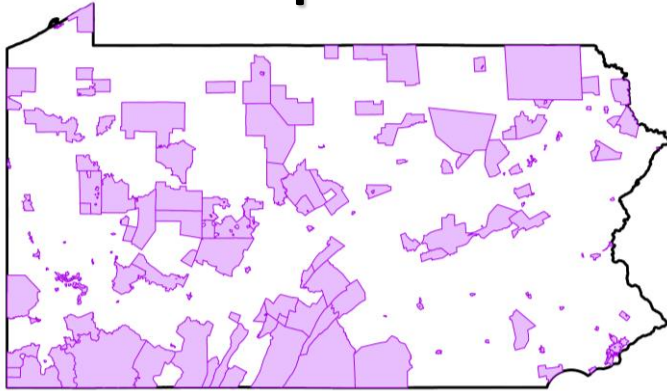
## Pupil Health Per Student, 2017-2021





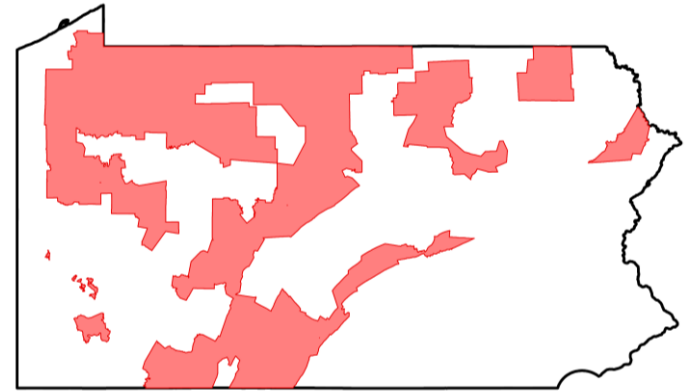
## **Section 3: Health Providers**

# Population and Land Area in Shortage Areas



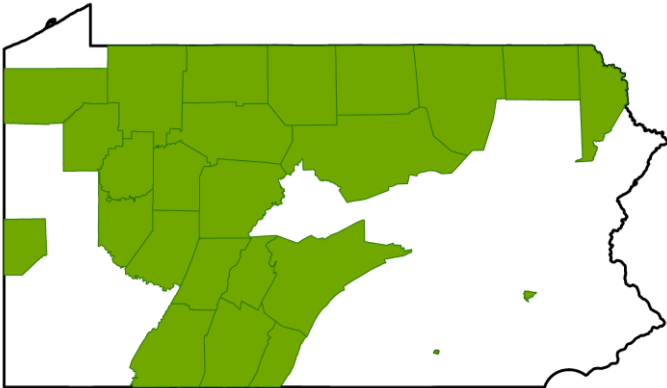
## Medically Underserved Areas, 2021

Population, 2020	2.65 Million (20% state total)
# Square Land Miles, 2020	13,533 (30% state total)
Density	196 persons per square mile



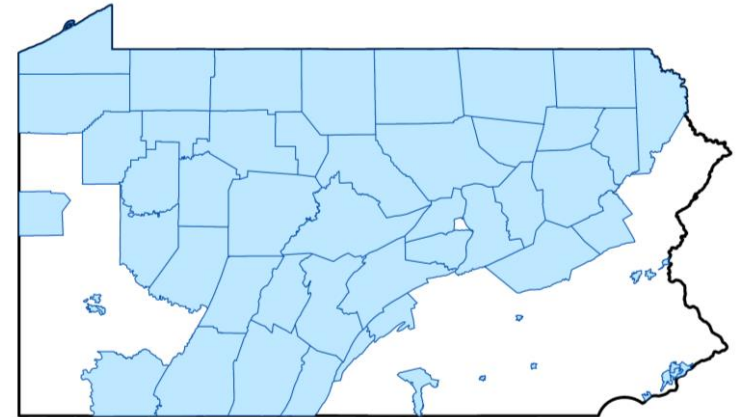
## Primary Care Health Professional Shortage Areas, 2021

Population, 2020	861,458 (7% state total)
# Square Land Miles, 2020	14,671 (33% state total)
Density	59 persons per square mile



## Mental Health Professional Shortage Areas, 2021

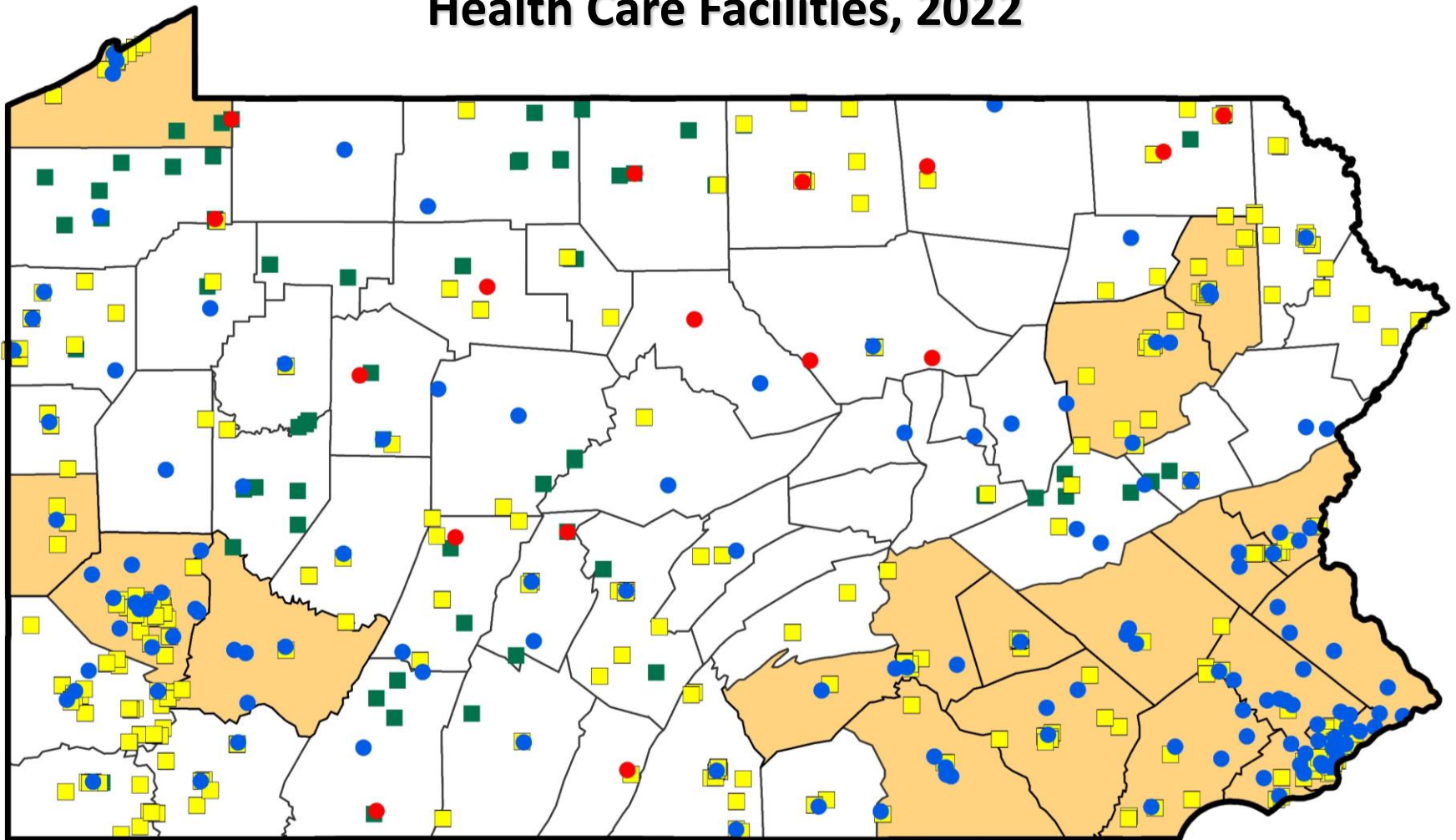
Population, 2020	1.74 Million (13% state total)
# Square Land Miles, 2020	22,425 (50% state total)
Density	78 persons per square mile



## Dental Health Professional Shortage Areas, 2021

Population, 2020	4.59 Million (35% state total)
# Square Land Miles, 2020	30,231 (68% state total)
Density	152 persons per square mile

# Health Care Facilities, 2022



- Short-Term Hospital
- Critical Access Hospital
- FQHC
- Rural Health Clinics
- Urban
- Rural

	Rural	Urban
Short Term Hospital	50	91
Critical Access Hospitals	15	1
Federally Qualified Health Center (FQHC)	172	200
Rural Health Clinic	68	3
<b>Total</b>	<b>305</b>	<b>295</b>
<b>Facilities per 100,000 Residents</b>	<b>9.0</b>	<b>3.1</b>

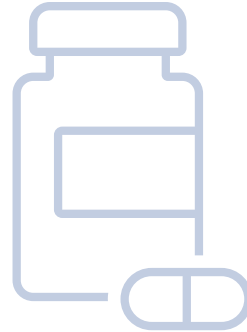


# Number of Pennsylvania Licensed Health Care Providers per 100,000 Rural and Urban Residents, 2020



## Physicians (MD & DO)

231.0 Rural  
523.5 Urban



## Pharmacists

112.4 Rural  
146.6 Urban



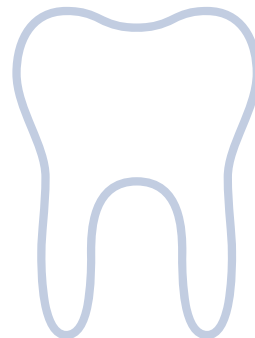
## Psychologists

18.6 Rural  
48.6 Urban



## Registered Nurses

1,339.8 Rural  
1493.1 Urban



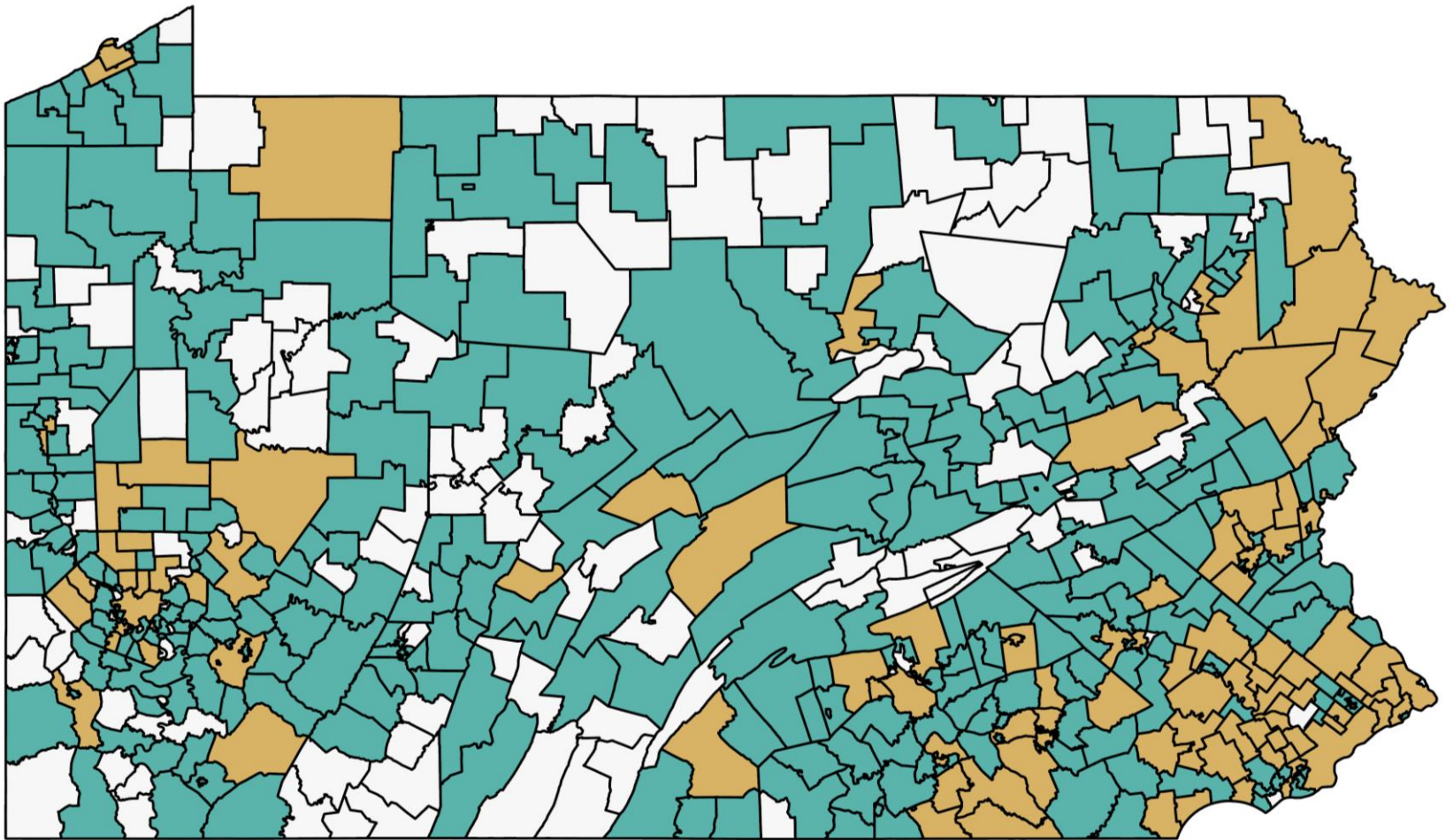
## Dentist

42.4 Rural  
69.2 Urban



## Physical Therapists

84.1 Rural  
107.5 Urban



**Number of Pennsylvania School Nurses, 2021-22 = 1,953**

0 to 1 Nurses
  2 to 4 Nurses
  5+ Nurses

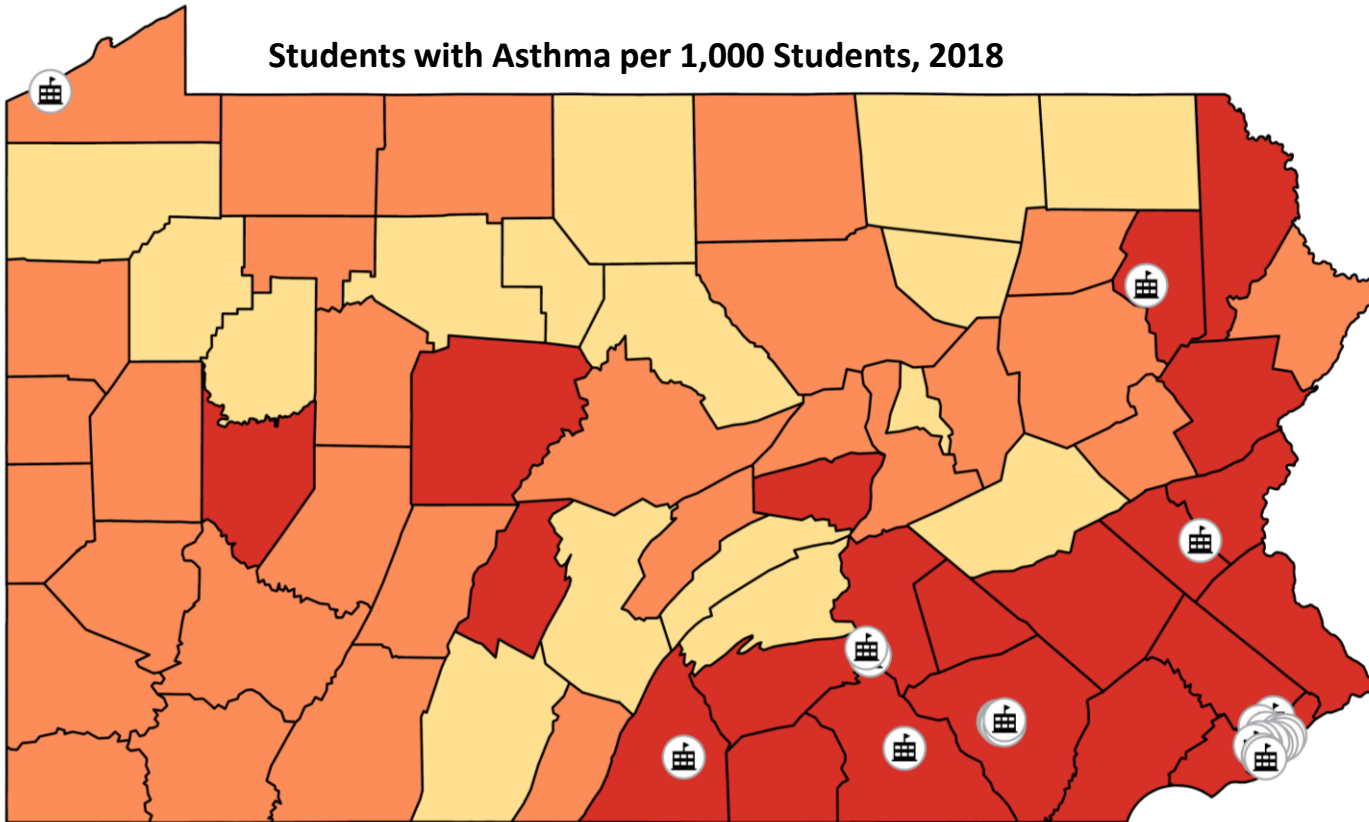
## School Nurses in Pennsylvania, 2021-22

- Rural School District: 1 nurse per 138.8 students
- Urban School Districts: 1 nurse per 126.8 students
- Pennsylvania: 1 nurse per 129.8 students



## Section 4: Children Health Outcomes

## Students with Asthma per 1,000 Students, 2018



### Students in 2018

- Nearly 40,000 students in rural counties have asthma
- Nearly 170,000 students in urban counties have asthma

Number of Students with Asthma per 1,000 Students Statewide = 112.5

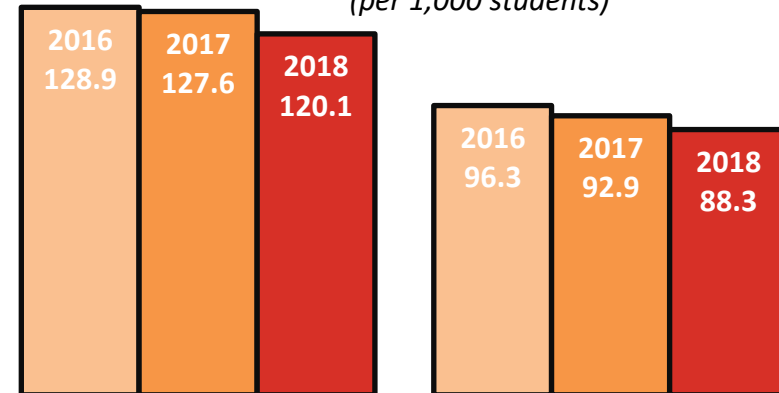
<70.0 Students per 1,000
  70.0 to 99.9 Students per 1,000
  100.0+ Students per 1,000

One School-Health Based Center

# Asthma Among Students (K-12)

## Asthma Rates, 2016-2018

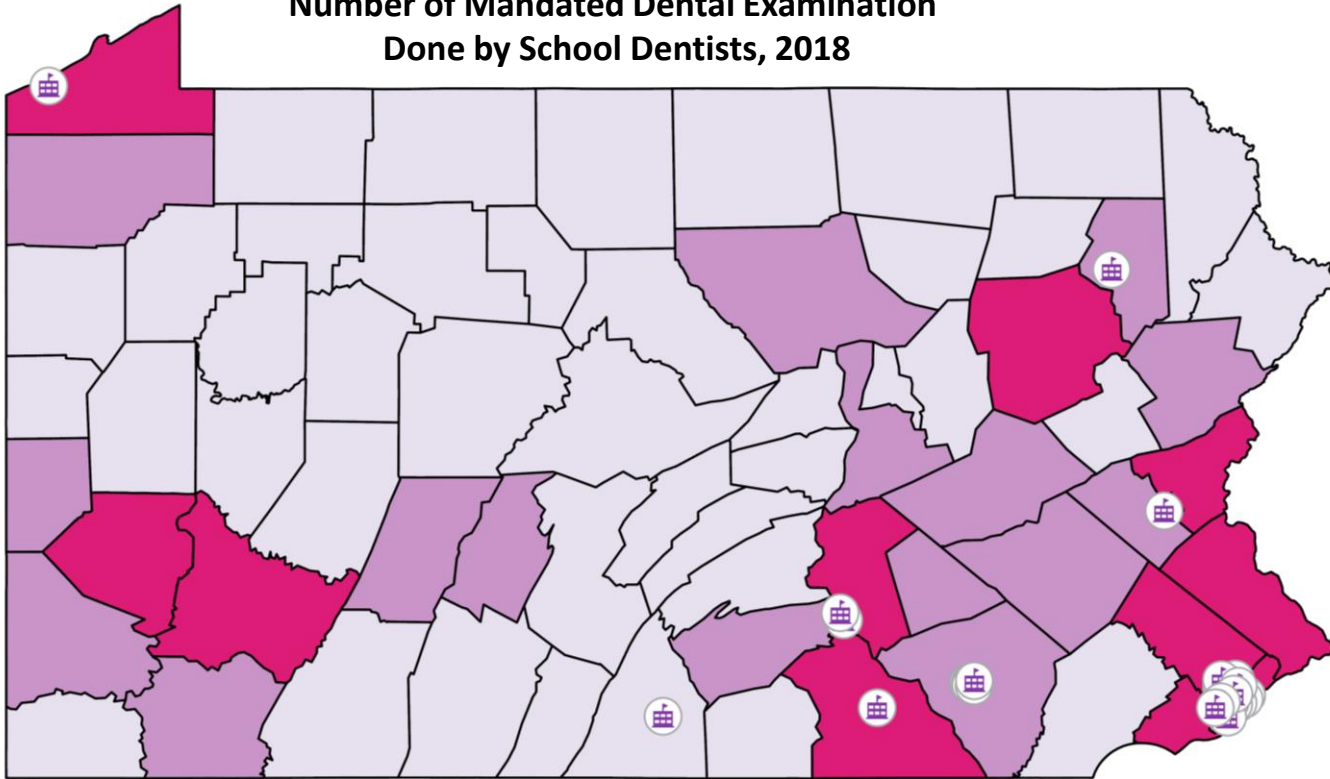
(per 1,000 students)



Urban

Rural

## Number of Mandated Dental Examination Done by School Dentists, 2018



**Dental Exams**

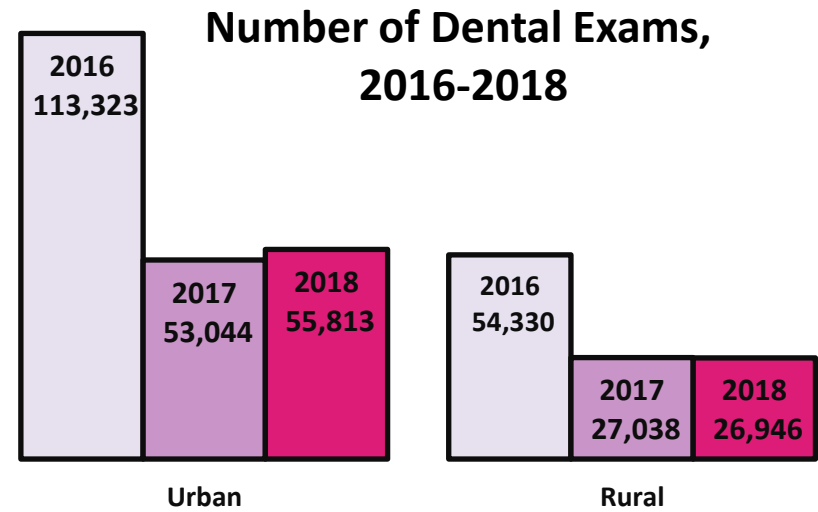
- Dental exams by school dentists have dropped 50% in both rural and urban counties from 2016-18

**Number of Dental Examinations Done By School Dentist = 82,759**

<1,000  
  1,000 to 1,999  
  2,000+

One School-Health Based Center

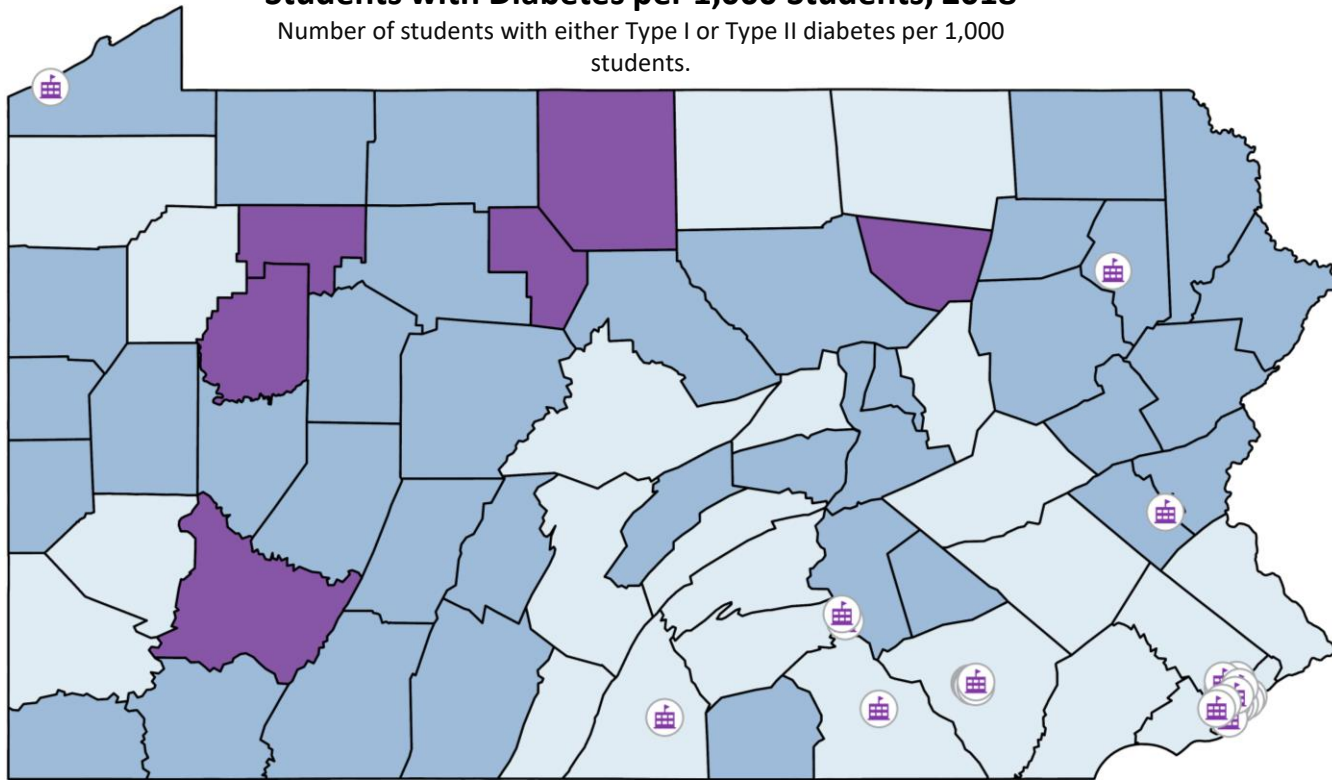
**Mandated Dental Exams (K-12)**



Data source: Pennsylvania Department of Health.

## Students with Diabetes per 1,000 Students, 2018

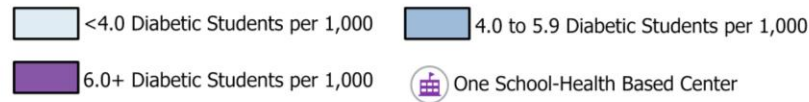
Number of students with either Type I or Type II diabetes per 1,000 students.



## Diabetes (2018)

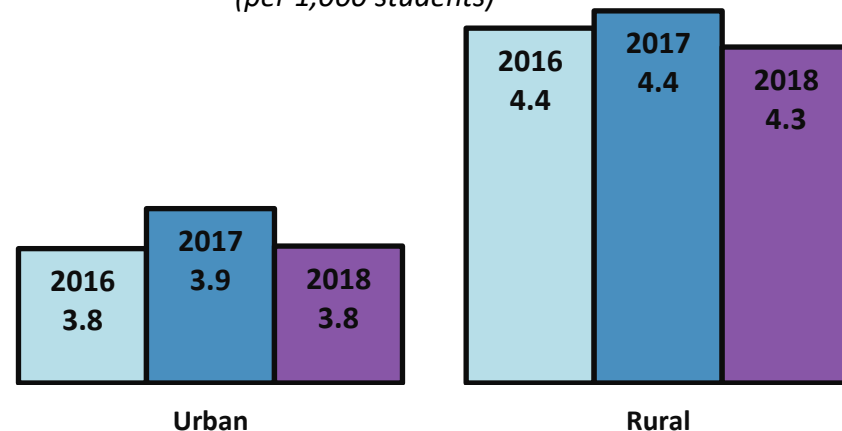
- Nearly 2,000 rural students have either type I or type II diabetes
- About 5,300 urban students have diabetes

Number of Students with either Type I or Type II Diabetes per 1,000 Students Statewide = 4.0



## Diabetes Rates, 2016-2018

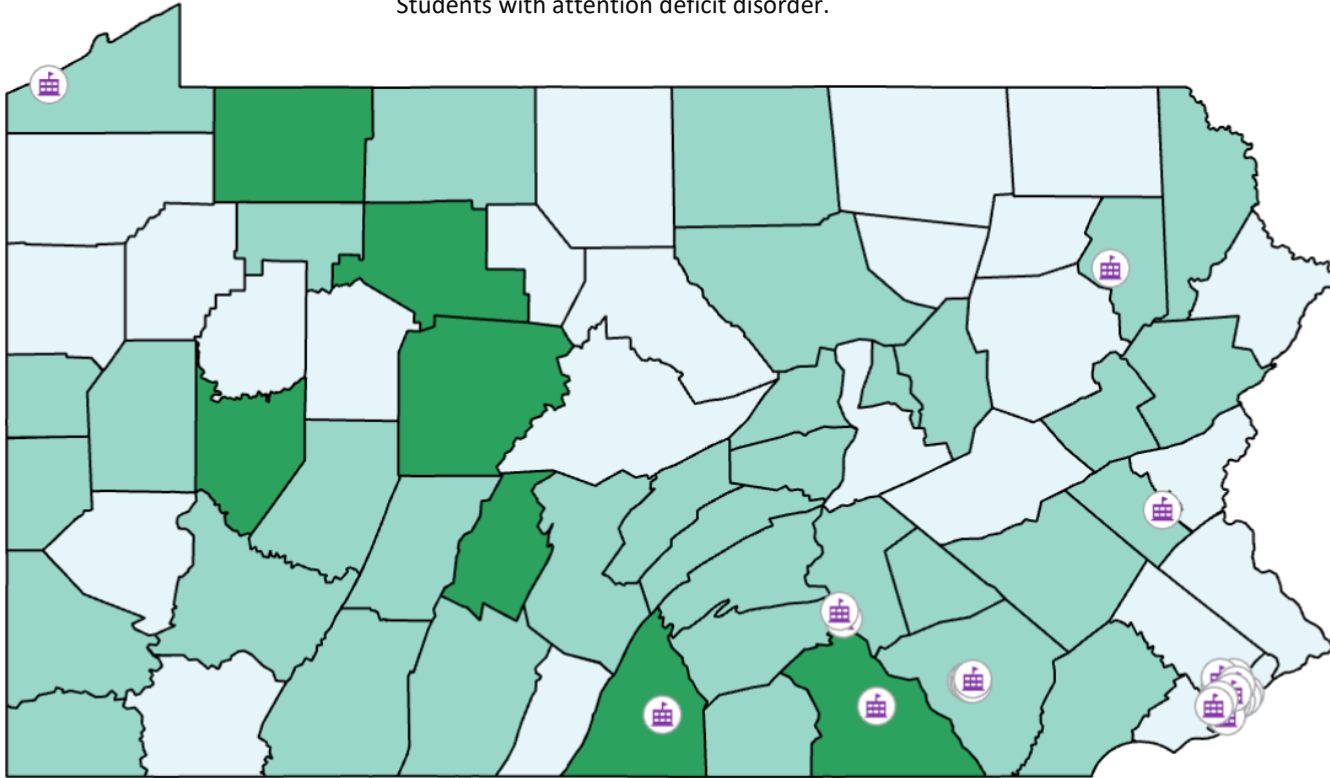
(per 1,000 students)



# Students with Diabetes (K-12)

# Students with Medical Diagnosis of ADHD, 2018

Students with attention deficit disorder.



**Number of Students with Attention Deficit Disorder per 1,000 Students Statewide = 65.0**

<60.0 Students per 1,000
  60.0 to 99.9 Students per 1,000
  100.0+ Students per 1,000

One School-Health Based Center

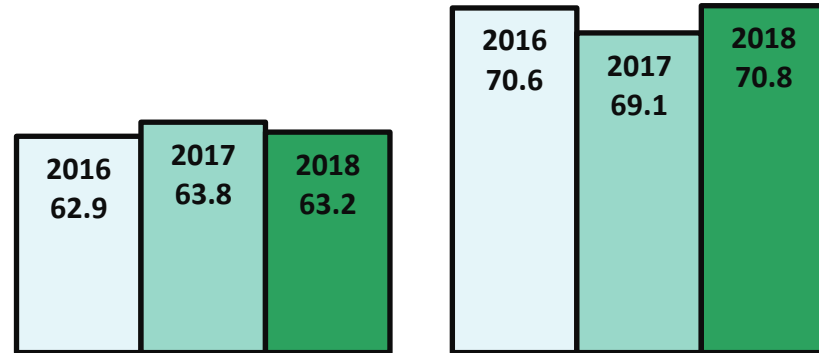
## Students with ADHD (K-12)

## Attention Deficit Disorder

- Over 31,000 students have been diagnosed with ADHD in 2017 in rural counties
- In urban counties, about 88,000 have been diagnosed

## ADHD Rates, 2016-2018

(per 1,000 students)

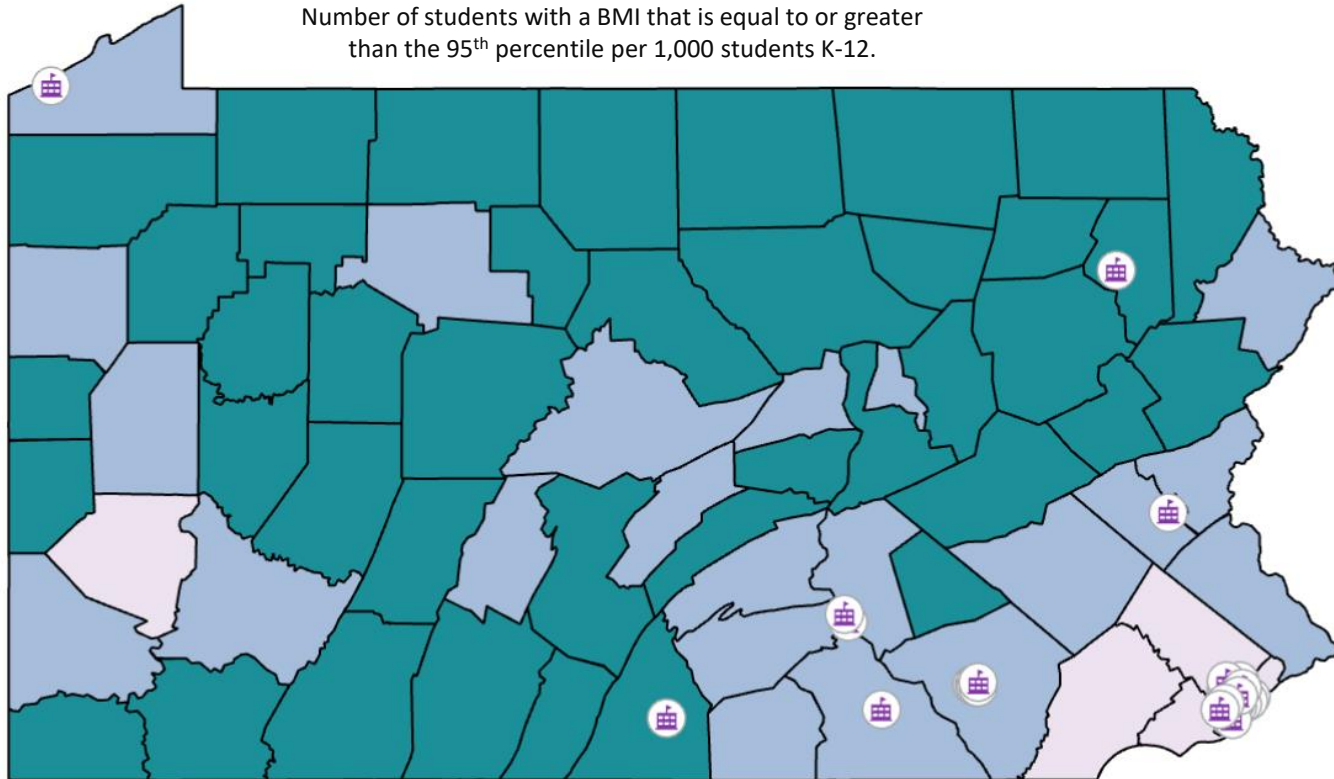


Urban

Rural

## Students with Obesity, 2018

Number of students with a BMI that is equal to or greater than the 95<sup>th</sup> percentile per 1,000 students K-12.



## Obesity (2017-2018)

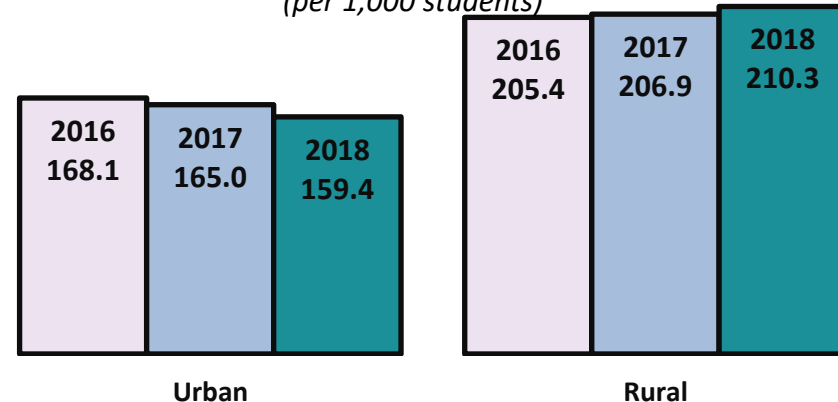
- 93,108 students are diagnosed with obesity in rural counties
- Around 223,000 students in urban counties have obesity

Students that have a BMI that is equal to or greater than the 95<sup>th</sup> percentile statewide = 171.7



## Obesity Rates, 2016-2018

(per 1,000 students)

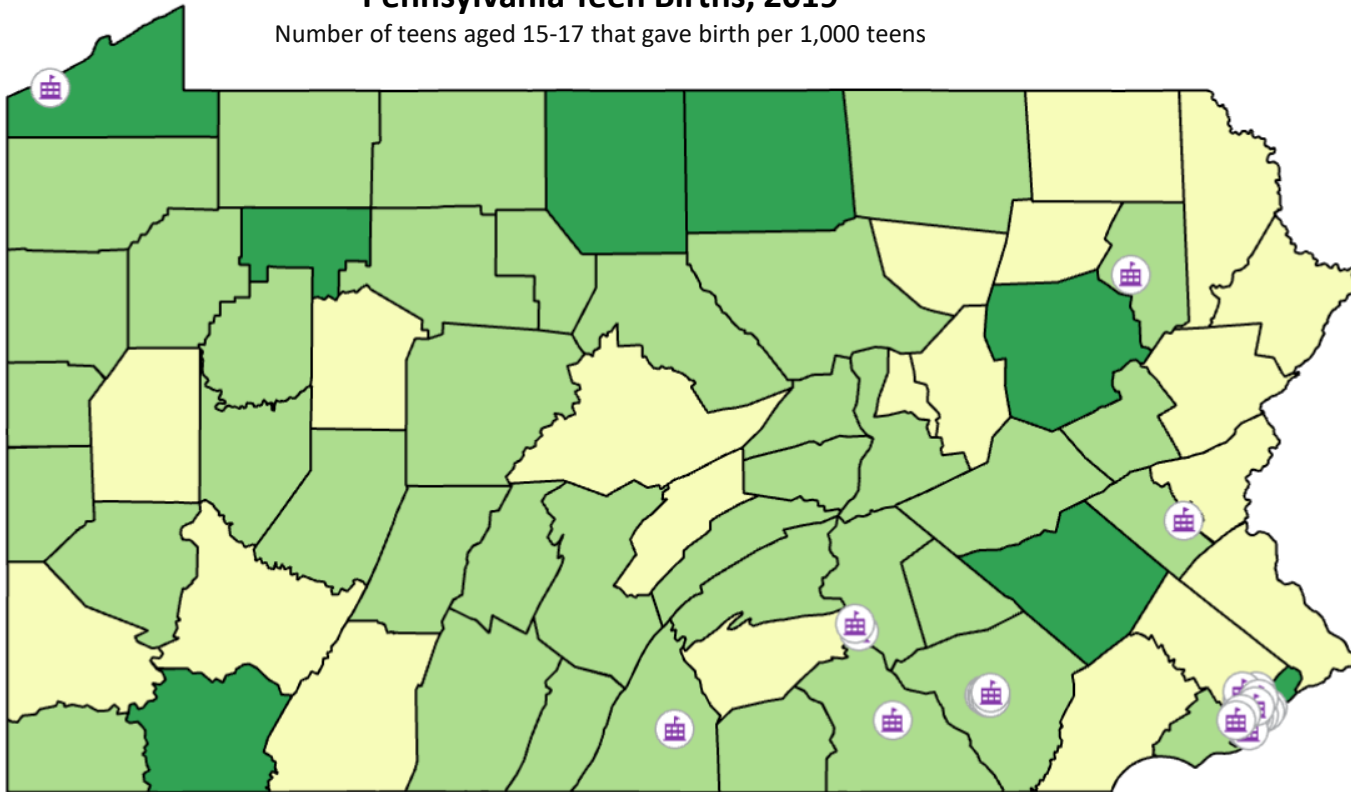


# Students with Obesity (K-12)



## Pennsylvania Teen Births, 2019

Number of teens aged 15-17 that gave birth per 1,000 teens



### Teen Births (2017-19)

- Rural counties have seen a ↓14.2% in teen births
- Urban counties have seen a ↓7.8% in teen births

**Number of Teen Births per 100,000 Students Statewide = 67.5**

■ <50.0 Births per 100,000   
 ■ 50.0 to 99.9 Births per 100,000   
 ■ 100.0+ Births per 100,000

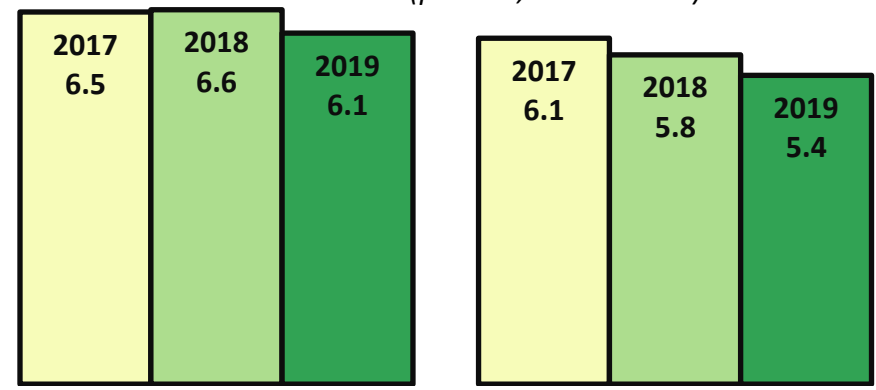
One School-Health Based Center

# Teen Births in Pennsylvania

(Age 15-17)

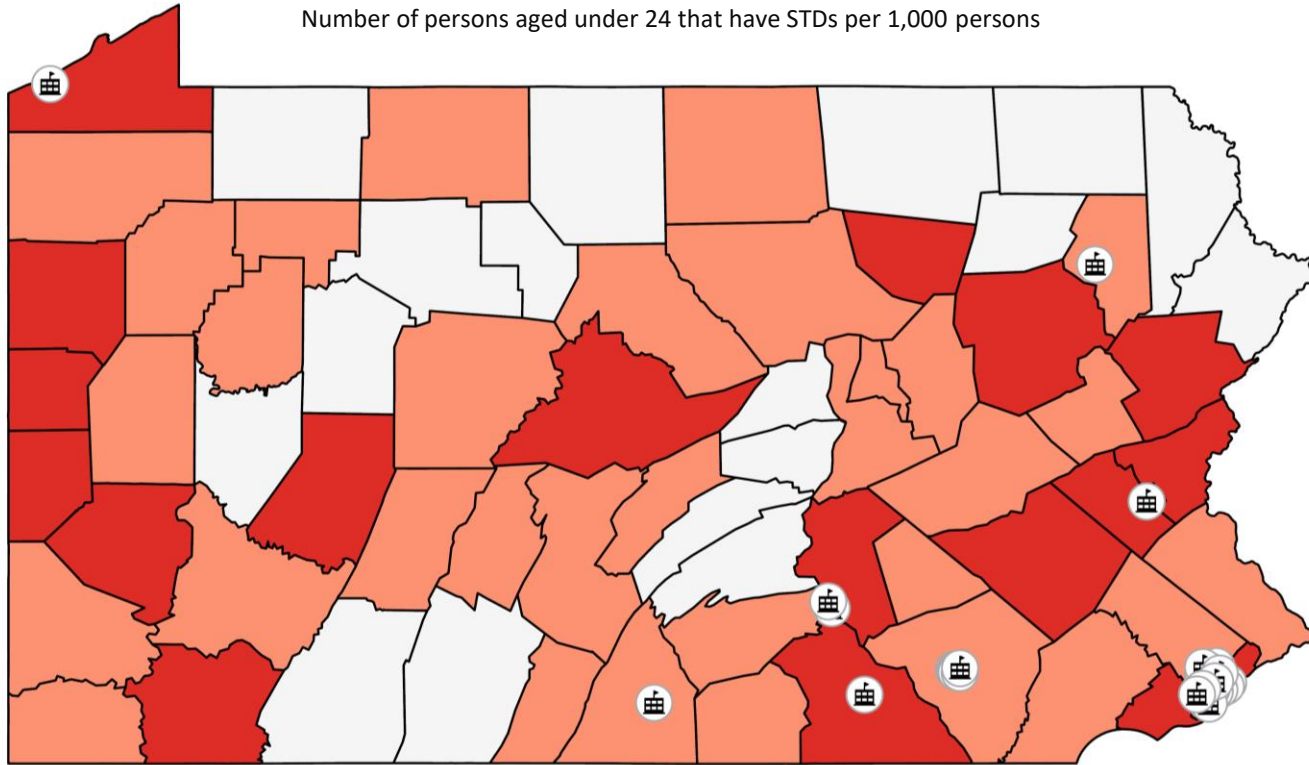
### Teen Birth Rates, 2017-2019

*(per 100,000 students)*

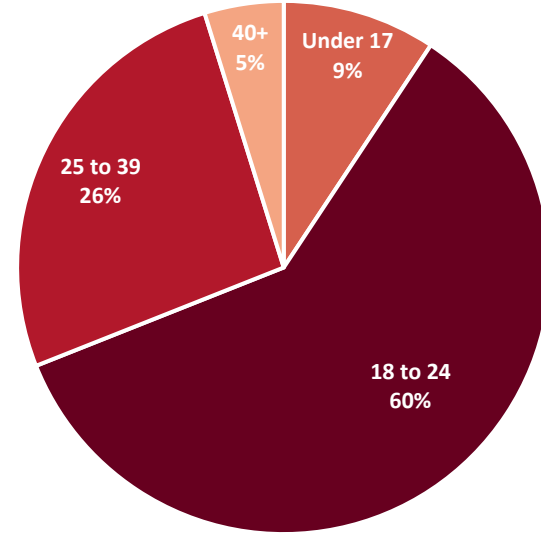


# Pennsylvania Sexually Transmitted Diseases, 2019

Number of persons aged under 24 that have STDs per 1,000 persons



## Percent with STD by Age Cohort Statewide, 2019



**Number of Persons Under 24 with STDs per 1,000 = 12.5**

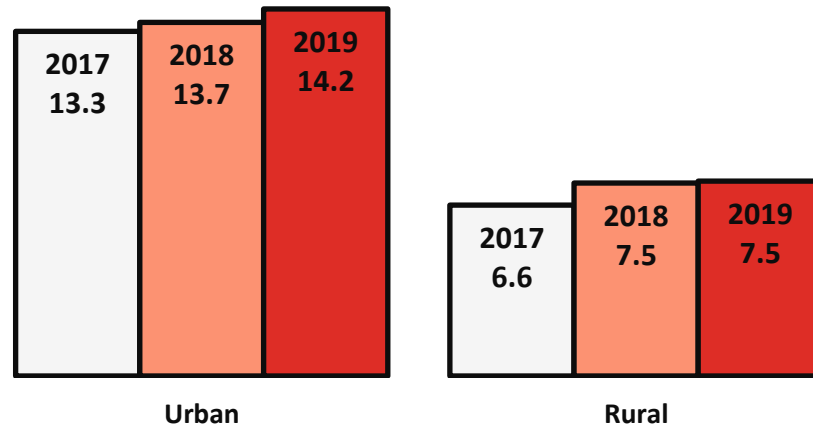
- <5.0 Persons with STDs per 1,000
- 5.0 to 9.9 Persons with STDs per 1,000
- 10.0+ Persons with STDs per 1,000
- One School-Health Based Center

# Sexually Transmitted Diseases in Pennsylvania

(<24 Years Old)

## STD Rates, 2017-2019

Rate of persons aged under 24 that have STDs per 1,000 persons



Note: Data only had age group cohorts available at under 15 and 15-24 at the county level. The statewide total of persons under 17 with STDs was 9,155 in 2019.

Data source: Pennsylvania Department of Health



## Summary

# Summary



Rural areas face more challenges than urban areas in socioeconomic factors



Rural school districts have fewer resources to address school health needs than urban school districts



Total district expenditures, student enrollment, and teacher employment are likely to decrease over the coming years



Most of the medically underserved areas and health professional shortage areas are in rural school districts



Social determinants of health like poverty, unequal access to health care, and lack of education are more pronounced among rural areas than urban areas