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MUNICIPAL STATISTICS

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DECEMBER 18, 2023

What is Statistics?

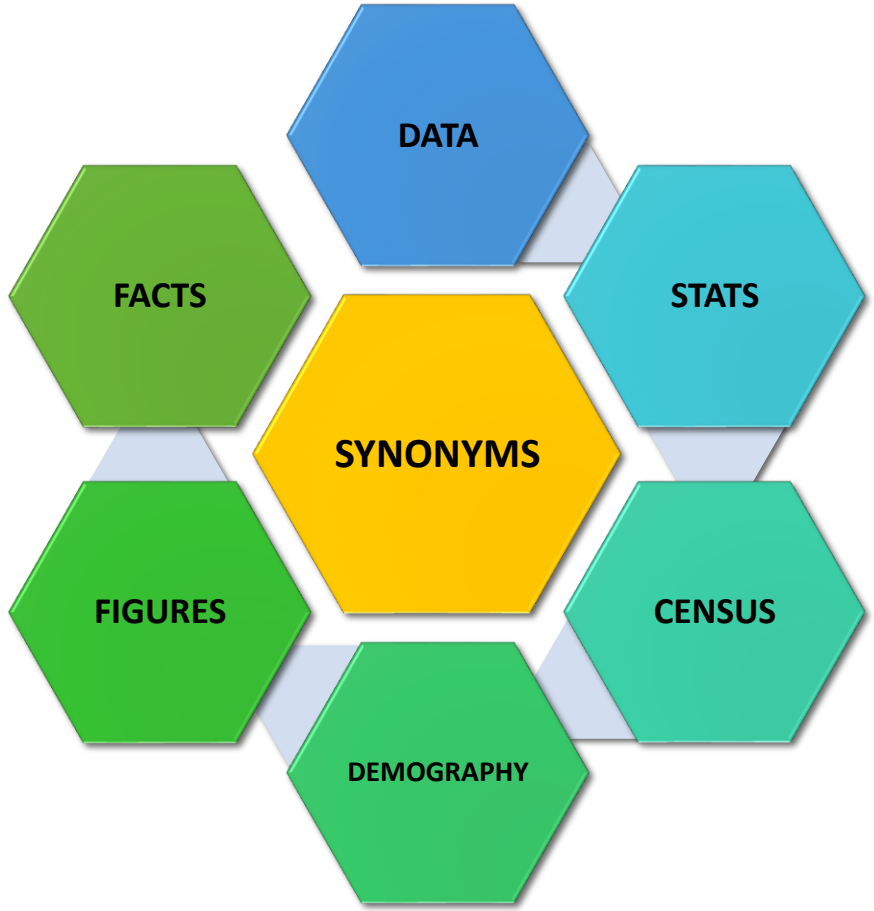
statistics [*stuh*-**tis**-tiks] SHOW IPA

See synonyms for *statistics* on Thesaurus.com

noun

1. (*used with a singular verb*) the science that deals with the collection, classification, analysis, and interpretation of numerical facts or data, and that, by use of mathematical theories of probability, imposes order and regularity on aggregates of more or less disparate elements.
2. (*used with a plural verb*) the numerical facts or data themselves.

Why Statistics?



Sources: Dictionary.com, Thesaurus.com, and www.census.gov

How Can Statistics Be Used?

BUDGETING

FORECASTING

PLANNING

ANALYSIS

Some Sources of Useful Data

- Bureau of Labor:
  https://www.bls.gov/
- U.S. Census:
  https://www.census.gov/quickfacts/fact/table/US/PST045221
- DCED:
  http://munstats.pa.gov/public/

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Poll: For the period October 2022 to October 2023, which industry supersector had the highest percentage growth in the Pittsburgh area?

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Poll: Which had the lowest percentage growth?

Employee Change by Supersector

SOURCE:

https://www.bls.gov/regions/mid-atlantic/summary/blssummary_pittsburgh.pdf

Pittsburgh area employment (number in thousands)	Oct. 2023	Change from Oct. 2022 to Oct. 2023	
		Number	Percent
Total nonfarm	1,178.1	13.6	1.2
Mining and logging	8.3	-0.1	-1.2
Construction	59.1	0.2	0.3
Manufacturing	85.6	2.4	2.9
Trade, transportation, and utilities	205.4	0.5	0.2
Information	22.0	0.1	0.5
Financial activities	77.0	1.9	2.5
Professional and business services	192.9	0.8	0.4
Education and health services	252.6	5.8	2.4
Leisure and hospitality	114.9	0.7	0.6
Other services	47.3	1.1	2.4
Government	113.0	0.2	0.2

Source: U.S. BLS, Current Employment Statistics.

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Poll: In 2022, union members accounted for ____% of wage and salary workers in Pennsylvania.

Union Members in PA

SOURCE:

https://www.bls.gov/regions/mid-atlantic/news-release/unionmembership_pennsylvania.htm

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Union Members in Pennsylvania — 2022

News Release Information

23-186-PHI
Tuesday, January 31, 2023

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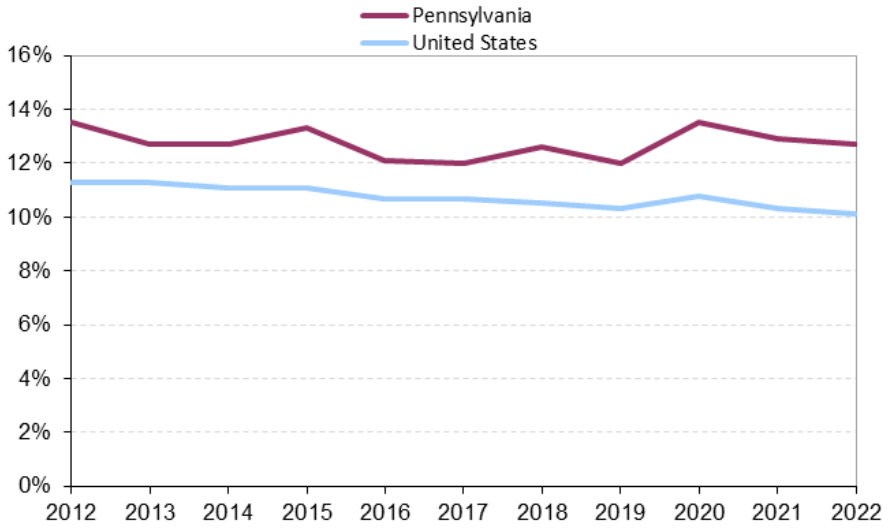
In 2022, union members accounted for 12.7 percent of wage and salary workers in Pennsylvania, compared with 12.9 percent in 2021, the U.S. Bureau of Labor Statistics reported today. Regional Commissioner Alexandra Hall Bovee noted that the union membership rate for the state was at its peak in 1989, when it averaged 20.9 percent, and at its low point in 2017 and 2019 at 12.0 percent. (See chart 1 and table A.) Nationwide, union members accounted for 10.1 percent of employed wage and salary workers in 2022. The rate was down from 10.3 percent in 2021, primarily the result of a disproportionately large increase in the number of total wage and salary employment compared with the increase in the number of union members. The 2022 unionization rate (10.1 percent) is the lowest on record. Since 1989, when comparable state data became available, union membership rates in Pennsylvania have been above the U.S. average.

Chart 1. Members of unions as a percent of employed in the United States and Pennsylvania, 2012–22



Source: U.S. Bureau of Labor Statistics.

View Chart Data

Pennsylvania had 715,000 union members in 2022. In addition to these members, another 52,000 wage and salary workers in Pennsylvania were represented by a union on their main job or covered by an employee association or contract while not union members themselves.

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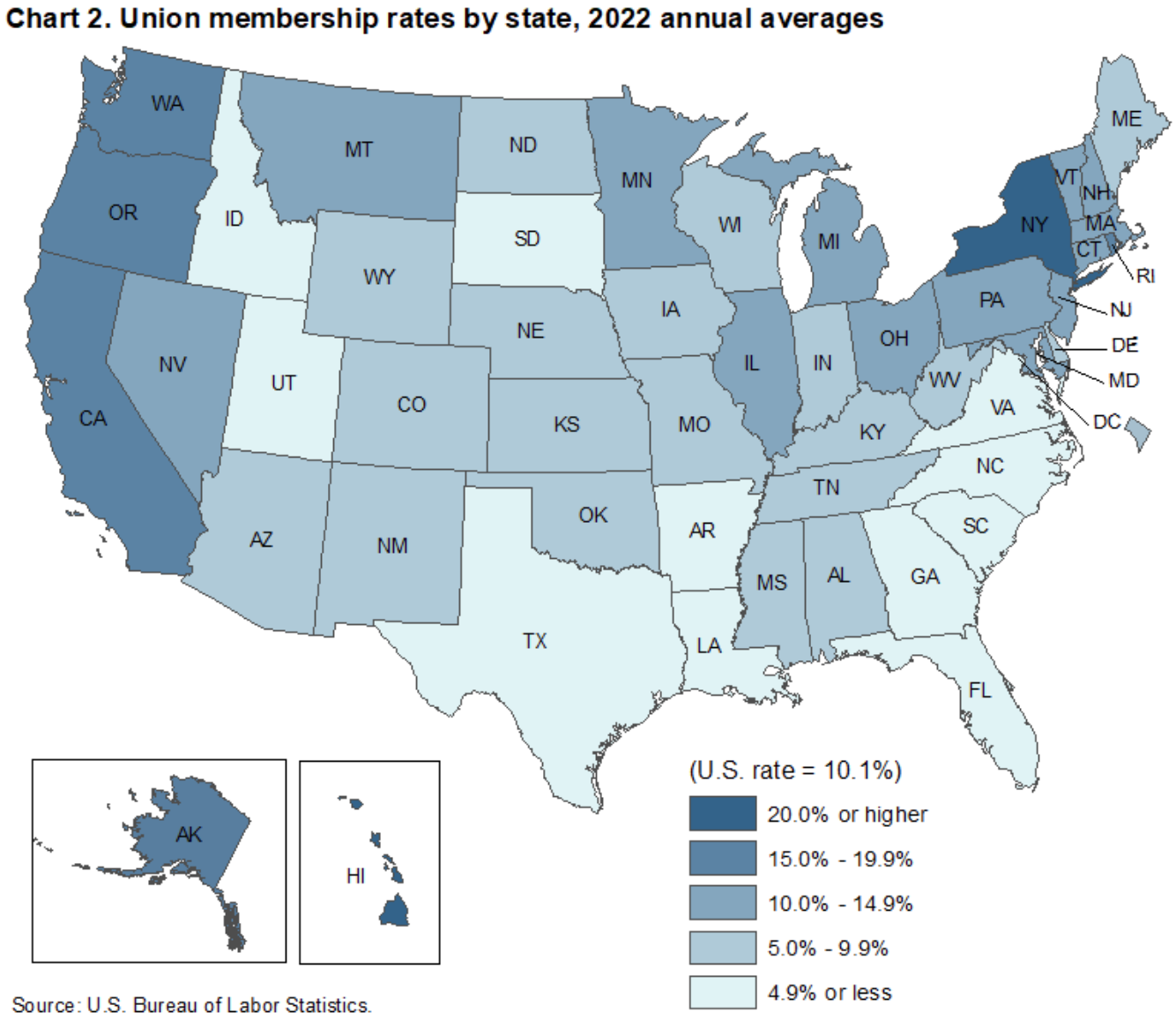
Poll: Name a state with 20% or more union membership:

Union Members in the USA

SOURCE:

https://www.bls.gov/news.release/pdf/union2.pdf



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Poll: The CPI for the Northeast region rose _____% from a year ago.

CPI for the Northeast Region

SOURCE:

https://www.bls.gov/regions/mid-atlantic/news-release/consumerpriceindex_northeast.htm

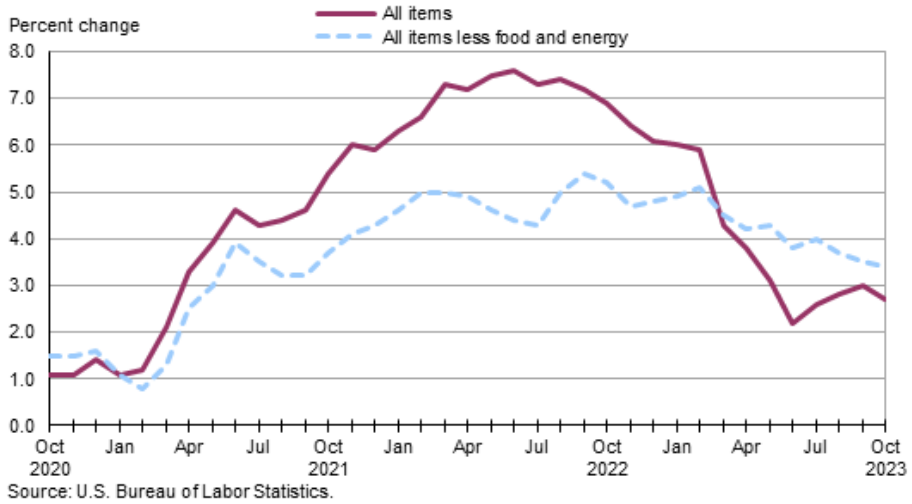
Consumer Price Index, Northeast Region – October 2023

Area prices unchanged over the past month, up 2.7 percent from a year ago

Prices in the Northeast Region, as measured by the Consumer Price Index for All Urban Consumers (CPI-U), were unchanged in October, the U.S. Bureau of Labor Statistics reported today. (See table A.) Regional Commissioner Alexandra Hall Bovee noted that was due to counteracting price changes in the energy index (down 2.2 percent) and increases in the food index (up 0.5 percent) and the all items less food and energy index (up 0.1 percent). (Data in this report are not seasonally adjusted. Accordingly, month-to-month changes may reflect the impact of seasonal influences.)

Over the last 12 months, the Northeast all items CPI-U index increased 2.7 percent. The October advance was primarily due to a 3.4-percent rise in the all items less food and energy index, which was led by increases within the shelter index. The food index rose 3.1 percent—the smallest rise in 2023 so far—as increases continued to diminish since the year began. The energy index decreased 5.8 percent and has trended down every month since March. (See table 1.)This is the eighth consecutive month that the 12-month change in the all items index has been lower than the all items less food and energy index. (See chart 1.) The October all items less food and energy index increase was the lowest since September 2021.

Chart 1. Over-the-year percent change in CPI-U, Northeast region, October 2020–October 2023



Source: U.S. Bureau of Labor Statistics.

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Poll: $10,000 in January 2000 has the same buying power as $____ in October 2023:

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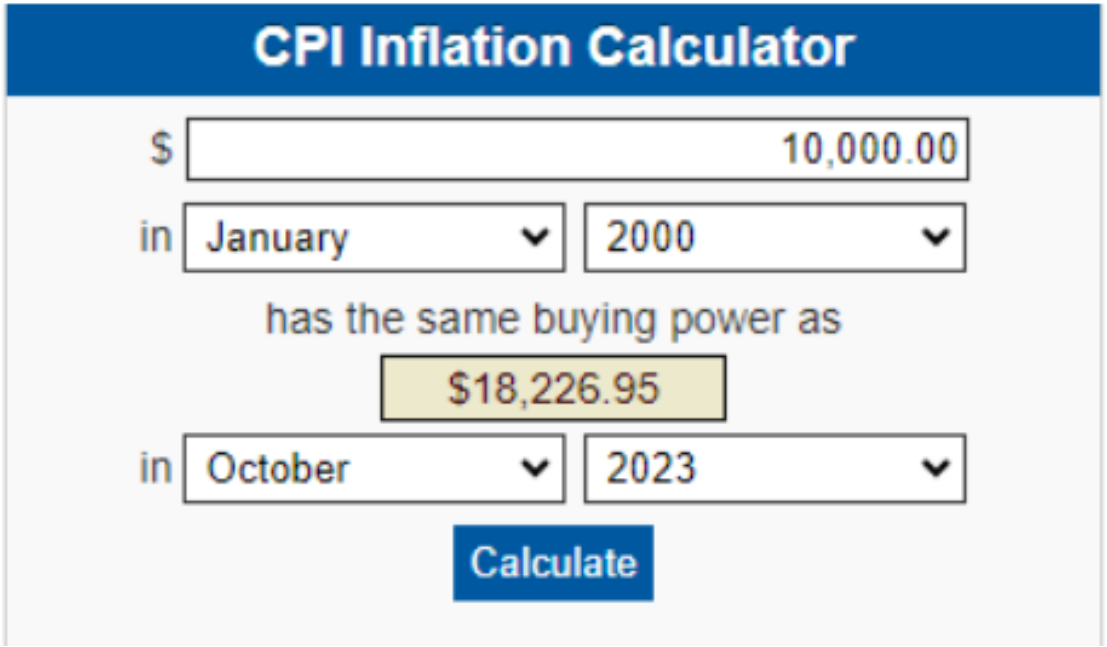
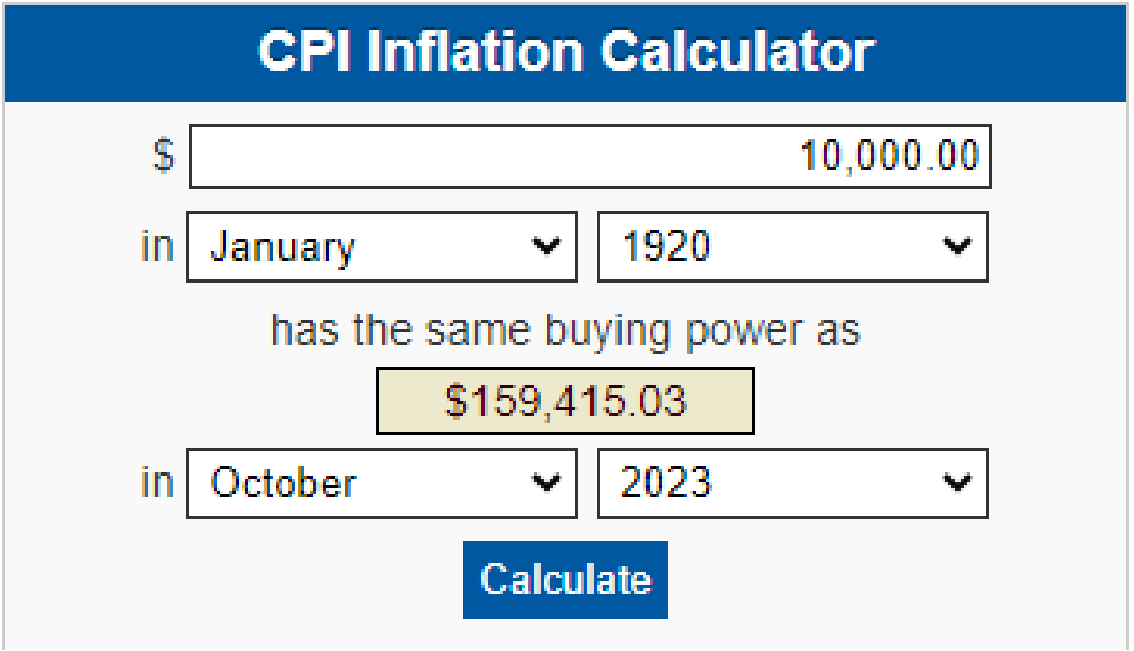
Poll: $10,000 in January 1920 has the same buying power as $____ in October 2023:





CPI Inflation Calculator

SOURCE: https://www.bls.gov/data/inflation_calculator.htm

DCED Municipal Statistics

- https://dced.pa.gov/local-government/municipal-statistics/
- Collects data via mandatory municipal e-filing forms
- Categories of data:
  - Local tax databases
  - Local government data and demographics
  - Local government annual financial reports
  - Municipal authority data

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Poll: What was the median household income for Allegheny County in 2022?

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Poll: What was the median household income for Butler County in 2022?

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Poll: What was the median household income for Dauphin County in 2022?

Median Household Incomes in 2022 – Allegheny, Butler, and Dauphin Counties

SOURCE:

https://www.census.gov/quickfacts/fact/table/butlercountypennsylvania,alleghenycountypennsylvania,dauphincountypennsylvania/PST045222

Income & Poverty	Allegheny County, Pennsylvania	Butler County, Pennsylvania	Dauphin County, Pennsylvania
Population Estimates, July 1, 2022, (V2022)	1,233,253	197,300	288,800
PEOPLE			
Income & Poverty			
Median household income (in 2022 dollars), 2018-2022	$72,537	$82,932	$71,046
Per capita income in past 12 months (in 2022 dollars), 2018-2022	$45,939	$45,389	$39,709
Persons in poverty, percent	11.3%	8.5%	11.8%

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Poll: What is the median housing income for the United States in 2022?

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Poll: What was the estimated population of Allegheny County as of July 1, 2022?

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Poll: What was the estimated population of Butler County as of July 1, 2022?

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Poll: What was the estimated population of Dauphin County as of July 1, 2022?

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Poll: What is the estimated population of the United States as of July 1, 2022?

Estimated Population as of July 1, 2022 – United States

SOURCE:

https://www.census.gov/quickfacts/fact/table/butlercountypennsylvania,alleghenycountypennsylvania,dauphincountypennsylvania/PST045222

Population	United States
Population Estimates, July 1, 2022, (V2022)	333,287,557
PEOPLE	
Population	
Population Estimates, July 1, 2022, (V2022)	333,287,557
Population estimates base, April 1, 2020, (V2022)	331,449,520
Population, percent change - April 1, 2020 (estimates base) to July 1, 2022, (V2022)	0.6%
Population, Census, April 1, 2020	331,449,281
Population, Census, April 1, 2010	308,745,538

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Poll: How many municipalities are in Pennsylvania?

Municipalities in Pennsylvania

- 1,548 Townships
- 968 Boroughs
- 56 Cities

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Poll: How many school districts are in Pennsylvania?

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Poll: How many municipalities are in Allegheny County (not including the County)?

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Poll: How many Municipalities are in Butler County (not including the County)?

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Poll: How many Municipalities are in Dauphin County (not including the County)?

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Poll: How much in total revenue did municipalities report on their 2021 Municipal Annual Audit and Financial Report submitted to the DCED?

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Poll: Besides the City of Pittsburgh, who has the largest land area in square miles in Allegheny County?

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Poll: Besides the County, who has the largest land area in square miles in Butler County?

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Poll: Besides the County, who has the largest land area in square miles in Dauphin County?

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Poll: Who has the smallest land area in square miles in Allegheny County?

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Poll: How many Municipalities in Allegheny County have their own municipal police force?

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Poll: How many Municipalities in Butler County have their own municipal police force?

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Poll: What is the average number of full-time police officers for municipalities that have their own police force (not including Pittsburgh or Philadelphia)?

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Poll: What is the number of full-time police officers in Pittsburgh?

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Poll: What is the number of full-time police officers in Philadelphia?

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Poll: How many Municipalities in Allegheny County have their own fully paid fire company?

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Poll: How many Municipalities in Butler County have their own fully paid fire company?

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Poll: How many Municipalities in Dauphin County have their own fully paid fire company?

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Poll: How many Municipalities in Allegheny County have fire service that is a combination of paid and volunteer?

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Poll: Of those Municipalities in Allegheny County that have an all-volunteer fire service, what is the largest number of fire companies contained within a Municipality?

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Poll: How many female mayors are there in Allegheny County?

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Poll: How many female mayors are there in Butler County?

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Poll: How many female mayors are there in Dauphin County?

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Poll: When combining Municipal and School District Real Estate millage, who has the largest total tax rate in Allegheny County?

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Poll: When combining Municipal and School District Real Estate millage, who has the lowest total tax rate in Allegheny County?

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Poll: When combining Municipal and School District Real Estate millage, who has the highest total tax rate in Butler County?

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Poll: When combining Municipal and School District Real Estate millage, who has the lowest total tax rate in Dauphin County?

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Poll: The average total tax rate in Allegheny County is:

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Poll: The average total tax rate in Butler County is:

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Poll: The average total tax rate in Dauphin County is:

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Poll: How many municipalities in Allegheny County charge an Amusement Tax?

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Poll: How many municipalities in Allegheny County charge a Mechanical Device Tax?

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Poll: How many municipalities in Butler County charge a Mechanical Device Tax?

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Poll: How many municipalities in Dauphin County charge a Mechanical Device Tax?

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Poll: In Allegheny County (besides Pittsburgh), what municipality has the largest number of full time employees?

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Poll: In Butler County (besides Butler County and Cranberry Township), what municipality has the largest number of full time employees?

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Poll: In Dauphin County (besides Dauphin County and Harrisburg City), what municipality has the largest number of full time employees?

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Poll: True/False: In PA, 50% of the municipalities only have state police coverage (they do not have their own force or contract with another municipality)?

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Poll: In PA, there are ____ municipalities that have fully paid fire companies.

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Poll: In PA, there ____ municipalities that have a paid fire chief.

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Poll: Of those paid fire chiefs, _____ are full-time.

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Questions?

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