

FORTIFYING MAIN STREET

THE ECONOMIC BENEFIT OF
PUBLIC PENSION DOLLARS
IN RURAL AMERICA



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I. EXECUTIVE SUMMARY

Previous research has indicated that small towns and rural communities experience a greater relative economic impact from public pension benefit dollars than major cities and metropolitan areas do. The recent release of county-level gross domestic product (GDP) data has allowed for an examination of pension benefit dollars as a percentage of GDP at the county level. This report considers pension benefit dollars as a percentage of both GDP and total personal income at the county level, as well as categorizing counties as metropolitan, small town, or rural.

The thesis of this research is that less populated counties with smaller economies experience a greater relative economic benefit from the flow of public pension benefit dollars into the county than more populated, urban counties with larger economies because the benefit dollars simply represent a smaller portion of overall economic activity in those urban counties.

The key findings are as follows:

- Public pension benefit dollars represent between one and three percent of GDP on average in the 2,922 counties studied.
- Rural counties have the highest percentages of their populations receiving public pension benefits.
- Small town counties experience a greater relative impact in terms of both GDP and total personal income from pension benefit dollars than rural or metropolitan counties.
- Rural counties see more of an impact in terms of personal income than metropolitan counties, while metropolitan counties and rural counties see an equivalent impact in terms of GDP.
- Counties that contain state capitals are outliers from other metropolitan counties, likely because there is a greater density of public employees in these counties, most of whom remain in these counties in retirement.
- On average, rural counties have lost population while small town counties and metropolitan counties have gained population in the period between 2000 and 2018, but the connection between population change and the relative impact of public pension benefit dollars is weak.

II. INTRODUCTION

The challenges facing small towns across America have been well-documented. Many small towns and rural communities face shrinking populations and slowing economic growth. As the economy in the United States (U.S.) has shifted to one focused on services and proximity to financial and intellectual capital, many small towns and rural communities have been left behind. This, in turn, causes young people to leave for urban areas, where well-paying jobs may be more readily available, which only exacerbates the problem. According to U.S. Census Bureau research, while 13 percent of Americans were 65 and older in 2010, in rural areas they accounted for 17.2 percent of the population, which has been referred to as the ‘Graying of Rural America’. Despite these challenges, there is one positive economic contributor for many rural counties in the United States: the flow of benefit dollars from public pension plans into these areas.

In many small towns, the largest employer may be a public entity, such as a school district. State and local government employees typically earn a defined benefit pension during their career and many of these public servants stay in their community to collect their pension benefit after they retire. This keeps money in the community when retired public employees spend their pensions at local businesses.

Several earlier studies have documented the strong impact that pension benefit dollars have in rural areas. The Louisiana Budget Project, in its report “Pensions in the Parishes,” showed that pension benefits from three of Louisiana’s statewide pension plans represent a greater share of personal income in the smaller, more rural parishes

than in more densely populated, urban ones. Similarly, the firm Pacey Economics, in a study for the Colorado Public Employees’ Retirement Association (PERA), found that the less populated, more rural regions of the state experienced a greater economic benefit from PERA dollars than the more populous, urban regions of the state, where PERA benefits represent a smaller share of the regional economy. And, a report by The Perryman Group reached similar conclusions regarding benefits paid out by the Teacher Retirement System of Texas.

This report seeks to build upon this previous body of research. The Bureau of Economic Analysis (BEA) within the U.S. Department of Commerce released information on gross domestic product (GDP) by county for the first time in 2019. This research aims to illustrate the impact of benefit dollars from public pension plans according to several different measures: as a percentage of GDP by county; as a percentage of total personal income by county; and by categorizing counties as metropolitan, small town (micropolitan), or rural.

The National Institute on Retirement Security (NIRS) released an earlier version of this research in March 2020 that included a geographically representative group of 19 states and solicited county-level data directly from the public plans in those states. This report more than doubles the number of states included in the research to 43 states. The seven states not included in this research were excluded because the public plans in those states were not able to provide the data necessary to conduct the analysis.

III. BACKGROUND

The majority of state and local government employees, from teachers and firefighters to police officers and sanitation workers, have access to a defined benefit pension during their employment. They earn this benefit during their careers and then collect it when they reach retirement age. Previous research has found that public employees feel a strong desire to serve the public.¹ Many public employees form strong connections to their local communities and choose to remain there after they retire. This means that

their pension benefit dollars also stay in that community.

In absolute terms, the largest numbers of retired public employees and, therefore, pension benefit dollars, are concentrated in major cities, particularly state capitols where there is likely to be a higher-than-average number of public employees. But as a portion of the local economy, the pension benefit dollars tend to be smaller in these metropolitan areas because the overall economy is larger

and more complex. In smaller and less densely populated areas, however, pension benefit dollars represent a larger portion of the overall local economy as several previous studies have found.

The Louisiana Budget Project has produced a couple versions of a report titled “Pensions in the Parishes.”² Looking at benefit payments from three of Louisiana’s statewide pension plans (Louisiana State Employees Retirement System, Teachers Retirement System of Louisiana, and Louisiana State Police Retirement System), researchers found that these payments represented a greater share of personal income in smaller, more rural parishes. In one parish, payments from these three plans represented 3.4 percent of all personal income in 2015.

Similarly, the Colorado Public Employees’ Retirement Association (PERA), a large, statewide pension plan, commissioned an economic impact study from the firm Pacey Economics.³ Looking at the state in terms of regions, Pacey found that the more rural and less-populated regions of Colorado saw a greater economic impact from PERA benefit dollars than the more urban and densely populated regions of the state. They especially noted the countercyclical economic impact of PERA benefit dollars during the 2008-2009 recession.

Public pension plans in other states have seen similar results from their own studies. The Perryman Group conducted an economic impact study for the Teacher Retirement System of Texas (TRS) in which they considered the impact of TRS payments throughout Texas’ 254 counties.⁴ For rural areas of Texas, The Perryman Group found the annual economic output stimulus was estimated to be nearly \$1.6 billion in 2018, supporting more than 20,000 jobs in these areas. In 2007, the State Association of County Retirement Systems (SACRS) in California conducted an economic impact study detailing the impact of county pension plans both in their counties and throughout the state of California.⁵ The researchers found these county pension plans to be economic power houses throughout California. All of this

contributes to a body of research attesting to the profound economic impact of benefit payments from public pension plans.

Researchers not associated with public plans have reached similar conclusions. According to Miller et al., “the importance of public pensions in rural areas is demonstrated by their importance in counties that are dependent on federal and state governments [as an economic base].”⁶

This study builds on this previous research and adds a deeper level of data and analysis. This research examines data from 43 geographically diverse states representing every region of the country. The analysis utilizes data from a majority of public pension plans in those states and the data was collected directly from those plans to guarantee its accuracy. To compare the results to those of previous studies, this report considers pension benefit dollars as a percentage of total personal income in each county.

This study also offers a major new element that is possible because of newly-available data. In December 2018, the U.S. Department of Commerce’s Bureau of Economic Analysis (BEA) made available for the first time ever Gross Domestic Product (GDP) by county data. Initially, this data only covered four years, but in December 2019, BEA released a new set of GDP by county data covering the years 2001-2018. The earlier edition of this research, released in March 2020, used the 2018 data as it was the most recent available data at the time. This expanded edition of the research still uses the 2018 data to maintain the data on the 19 states from the original edition. In addition to this economic data, the report examines changes in a county’s population from 2000 to 2018 to determine if there is a connection between the economic impact of pension benefit dollars and growth or loss of population in the county.

IV. NOTES ON DATA

For this expanded edition of the research, data was requested from public plans in all fifty states. The retirement systems in each state were asked to provide county-level data directly. In some states where there is one large pension plan that covers the overwhelming majority of public employees, the task was straightforward. In other states with many

public pension plans, it was not possible from a logistical standpoint to request data from hundreds or thousands of plans. In those cases, data was collected from large state, county, and municipal plans that represent the majority of public employees in those states. The seven states that are excluded from this research were not included because the

public plans in those states were not able to provide the necessary data to complete the analysis.

Using data from the U.S. Census Bureau's Annual Survey of Public Pensions, the study compares the data received regarding the overall number of benefit recipients and the total dollar amount of benefits paid against the Census data to discover the percentage of overall recipients and benefit dollars that were captured in each state. Aside from the data regarding benefit recipients and benefits paid that were received directly from plans, all other data in this study is gathered from publicly available federal government sources.

It also should be noted that this report does not use an economic multiplier for its analysis. Unlike other NIRS reports, such as Pensionomics, this report does not examine the direct, indirect, and induced economic impact of pension benefit payments. This analysis only compares the actual benefit payments against county-level GDP and total personal income.

There is also an interesting question as to what makes an area "rural." Most Americans can probably conjure an image of what a rural area looks like, with rolling farmland and perhaps covered bridges or herds of cattle, but how does one distinguish between a small city or large town and a truly rural area?

The federal government has at least two different ways of defining "rural."⁷ One comes from the U.S. Census Bureau, the other from the Office of Management and Budget (OMB).

The Census Bureau defines rural by not defining it. Instead, they identify two different types of urban areas:

Urbanized Areas (UAs) of 50,000 or more people;
Urban Clusters (UCs) of at least 2,500 and less than 50,000 people.

According to the Census Bureau's definitions, any area that is not part of these two urban categories is rural. Using these definitions, in the 2010 Census, 59.5 million people, or 19.3 percent of the population, were rural while more than 95 percent of the land area was classified as rural.

OMB also defines rural by not officially defining the term. OMB designates counties as Metropolitan, Micropolitan, or Neither. A Metro area contains a core urban area of 50,000 or more population, while a Micro area contains an urban core of at least 10,000 (but less than 50,000) population. All other counties are neither metropolitan nor micropolitan. According to OMB, all counties that are not part of a Metropolitan Statistical Area (MSA) are considered rural, which includes both the micropolitan and the "neither" counties. By this definition, following the 2010 Census, the rural counties contained 46.2 million people, about 15 percent of the total population, and covered 72 percent of the land area of the country.⁸ This report primarily utilizes the definitions of Metro, Micro, and rural areas from OMB for the purpose of distinguishing different county types, although this report defines the "neither" counties as rural counties and does not consider the Micropolitan counties to be rural.

V. FINDINGS

In total, the analysis in this study examined data from 2,922 counties across 43 states. These counties fell into four broad categories:

- 45 state capital counties*
- 9 independent cities (in Virginia)
- 822 Metropolitan counties
- 1,365 Small Town ("Micropolitan") counties
- 681 Rural counties

The state capital counties were separated because these counties display some distinctions from other metropolitan counties that will be discussed later. While there are 43 states included in this research, 45 counties were coded as state capital counties. Lansing, MI primarily lies in Ingham County, but portions of the city extend into Eaton

and Clinton counties, so all three counties were coded as state capital counties. It is also worth noting that Hughes County, SD, the state capital county, is a micropolitan, not a metropolitan county, the only non-metro capital county in this research.

In addition to its 95 counties, Virginia also has 38 independent cities, which are considered county equivalents in Virginia. However, for statistical purposes, the Bureau of Economic Analysis combines 28 of these independent cities with the adjacent county to create a county-city combination area. The remaining ten independent cities stand alone for statistical purposes. One of those ten independent cities is Richmond, the state capital, which is coded as a state capital county, despite technically being an independent city. This research classifies the ten independent cities as

Table 1. **Different County Types**

Type of County	Number of Counties	Average Population Density	% of Population Receiving	Benefits as Share of GDP	Benefits as Share of Personal Income
Capital	45	544.21	2.60%	1.29%	1.64%
Independent City	9	1350.97	N/A	0.67%	0.75%
Metropolitan	822	281.44	1.87%	1.13%	1.15%
Micropolitan	1365	28.59	2.58%	1.86%	1.79%
Rural	681	5.01	3.02%	1.13%	1.76%
Total	2922	103.49	2.02%	1.20%	1.25%

metropolitan within the analysis.

Examining the counties according to these broad categories yields some interesting findings. A greater percentage of the population in rural counties is receiving a pension benefit, followed by counties that contain the state capital, small town counties, and then metropolitan counties, which is expected. As a share of both GDP and total personal income, small town counties benefit relatively more than either metropolitan or rural counties do. Metropolitan and rural counties receive an equivalent share of GDP, but metro counties receive a lower share of total personal income than rural counties do. This is likely due to the fact that many rural counties have agriculture dependent economies. Many farms are “capital rich but cash poor,” meaning the value of the land, farm equipment, and the goods produced is high, but the actual personal income received by farmers is relatively low. This may explain why the ratio of GDP to personal income in rural counties is significantly lower than in non-rural counties, which causes the divergence between the relative value of pension benefit dollars as a share of personal income versus GDP in rural counties.

As mentioned above, state capital counties are outliers from other metropolitan counties. All of the state capital counties included in this study are metropolitan except for one, Hughes County, SD, which is a small town county. For the state capital counties, they trail only rural counties in terms of the percentage of the population receiving a pension benefit. The state capital counties also have a higher relative economic impact in terms of both GDP and personal income from pension benefit dollars than other metropolitan counties on average.

The thesis of this research is that less populated counties with smaller economies experience a greater relative economic benefit from the flow of public pension benefit

dollars into the county than more populated, urban counties with larger economies because the benefit dollars simply represent a smaller portion of overall economic activity in those urban counties. The data analyzed for this study finds this to largely be true. In Mississippi, for example, several less populated counties have pension benefit dollars that represent more than eight percent of GDP in the county. Webster County, named after famed statesman Daniel Webster, has 10 percent of GDP accounted for by pension dollars.

In a state like Wyoming, which has a small population statewide and no major urban areas, the data looks a little different, which one would expect. Laramie County in Wyoming, home of the state capital Cheyenne, is the most populous county in the state, but is the smallest population county with that distinction in the United States. Its population density is also more than double the second most populous county in the state, Natrona, home to the city of Casper. Since the entire state is sparsely populated and mostly rural, retired public employees and their pension benefit dollars are more evenly distributed throughout the state. Counties in Wyoming tend to cluster much more around the average of 2 percent of GDP represented by pension dollars in that state, with only Albany (home to the University of Wyoming) and Fremont counties exceeding three percent.

Wyoming illustrates the fact that state capital counties tend to be outliers to the general pattern. State capitals are often major cities, although not always the largest city in a state. The data would generally predict that a major city would see a smaller relative economic benefit from pension dollars, but state capitals do not follow this pattern likely because there tends to be more public workers per capita in and around state capitals, with many remaining there following retirement. Aside from Laramie County, WY, Hinds County,

Figure 1. State Capital Counties: Pension Benefit Dollars as a Percentage of GDP

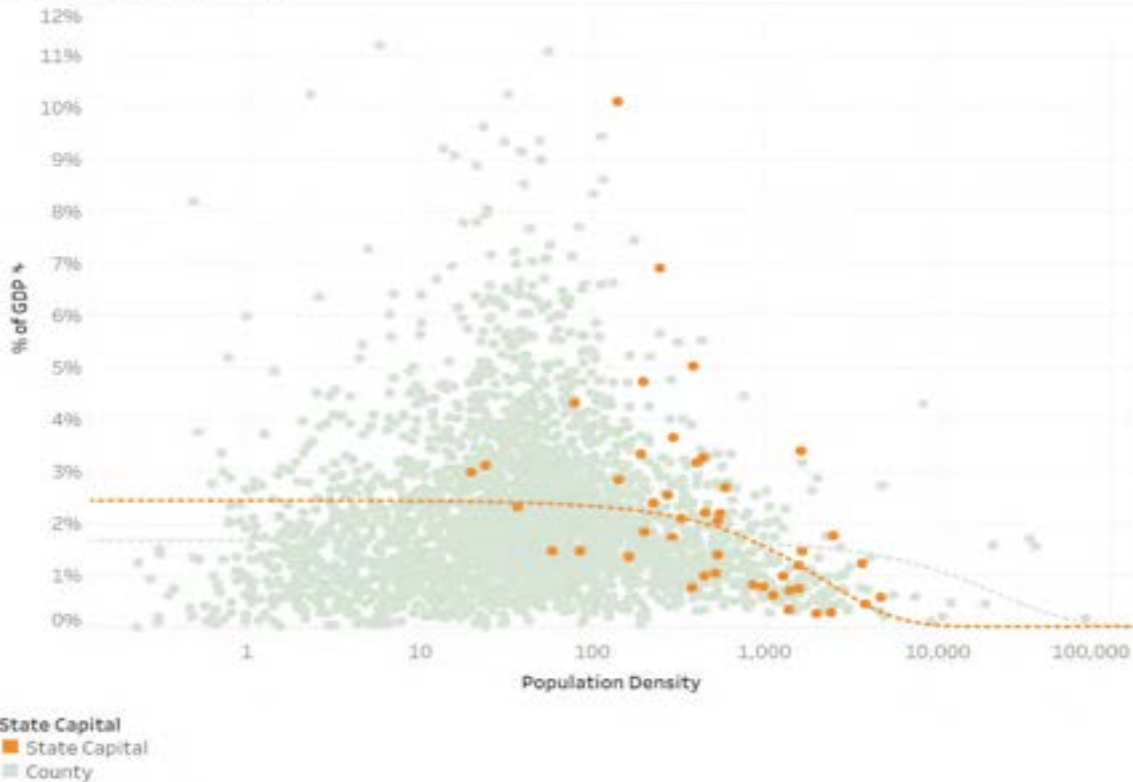
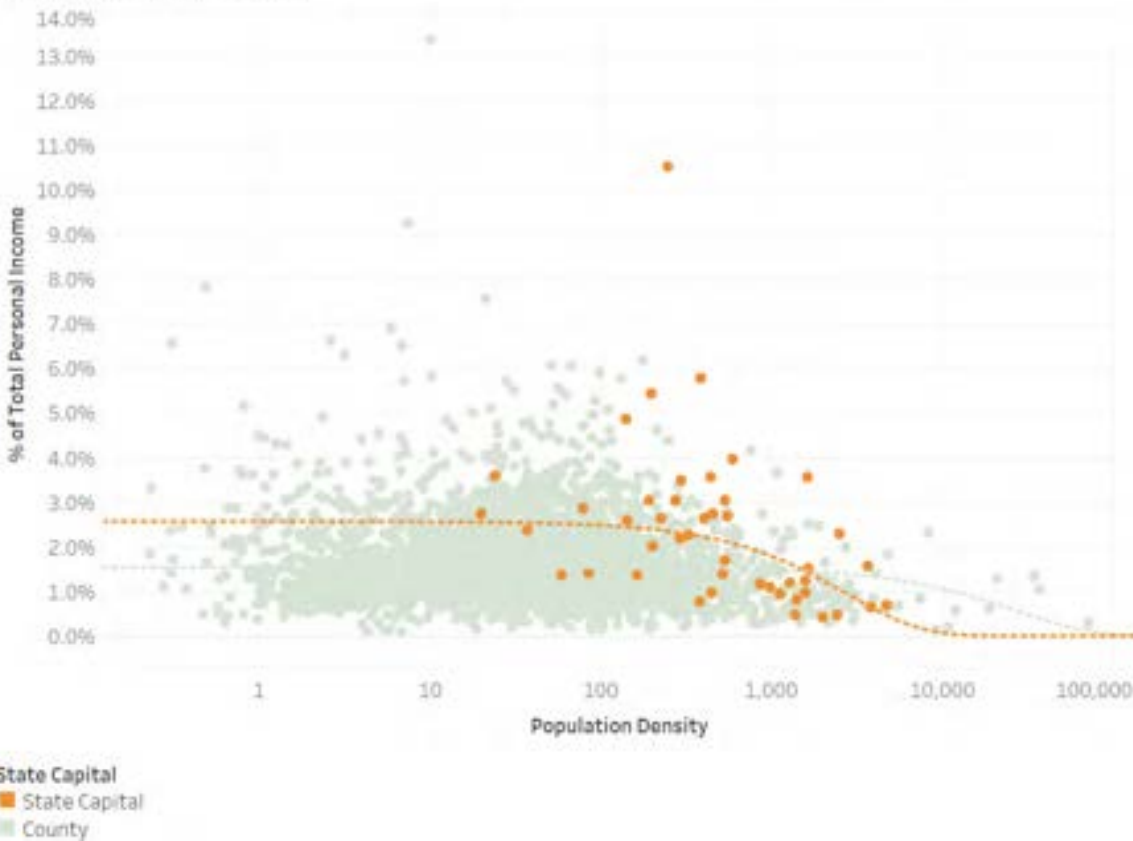


Figure 2. State Capital Counties: Pension Benefit Dollars as a Percentage of Personal Income



MS, Cole County, MO, Carson City, NV, Burleigh County, ND, and Hughes County, SD are among other state capital counties that also experience higher than expected economic benefit from pension dollars.

Population change is another factor that could influence how much of an economic benefit a county derives from pension benefit dollars. As such, this study examined population changes from 2000 to 2018 to assess whether counties that gained or lost population experienced a greater relative benefit from pension dollars or whether no effect was apparent. The popular narrative suggests that small towns and rural areas are losing population to cities and metropolitan areas, especially younger workers. The Minnesota State Demographer forecasts that between 2020 and 2030, 80 of Minnesota’s 87 counties will lose population, with only metropolitan counties gaining population in that time.⁹ It would stand to reason that, given the long period of time between accruing benefits and the following decades when those benefits are received via benefit payments,

pension benefits could be an important economic stabilizer in communities that are losing population if retirees continue living in the communities where they worked. If older, retired people are remaining in these rural communities, then we would expect to see counties that lost population would experience a greater benefit from the flow of pension dollars. While this is broadly what we see from the data, there is enough variation among the counties included in this study that we are less confident about finding a strong relationship between population change and the relative value of public pension benefits.

In South Carolina, three of the four counties that have experienced double-digit population loss since 2000 have pension dollars as a percentage of GDP that exceed the state average, whereas only two of the 11 counties that have seen double-digit population growth have percentages that exceed the state average. Similarly, in Wisconsin, all four of the counties that have seen double-digit population loss since 2000 have pension dollars as a percentage of GDP

Figure 3: National Trendline Pension Dollars as a Percentage of GDP



that exceed the state average, whereas only six of the 19 counties that have seen double-digit population growth have percentages that exceed the state average.

When looking at population change by county type, the data tells the story that has been portrayed in the media. The rural counties included in this study experienced an average population loss of more than six percent between 2000 and 2018. The small town counties in the study experienced an average population gain of three percent, and the metropolitan counties experienced average population growth of over 18 percent. It is clear that there is a connection between the county type and population change, but the relationship between population change and the relative value of pension benefits is weaker.

As some of the previous studies have done, this analysis also looked at the percentage of total personal income in a county that is represented by pension benefit dollars. In San Miguel County in New Mexico, pension benefit dollars represented nearly seven percent of total personal income (and more than eleven percent of GDP, the highest in the state). In contrast, Los Alamos County in New Mexico saw less than one percent of personal income derived from pension dollars (as well as less than one percent of county GDP).

Cole County, Missouri, home to the state capital of Jefferson City, has more than five percent of total personal income represented by pension benefit dollars, the highest in the state. Meanwhile, Jackson County, home to Kansas City, and both St. Louis County and the City of St. Louis are three of the four jurisdictions in the state with the lowest percentages of total personal income represented by pension benefit dollars, even though Jackson County and St. Louis County are the two counties with the largest numbers of pension benefit recipients.

California encompasses many of the findings that we see nationwide. In Calaveras County, a mostly rural county in northern California, pension benefit dollars account for more than seven percent of GDP, the highest in the state. Calaveras County is also the sixth highest county in the state in terms of pension benefit dollars as a percentage of total personal income. In contrast, San Francisco County, one of the wealthiest localities not just in the United States, but also globally, sees less than one-half of one percent of its GDP represented by pension benefit dollars. Santa Clara County, Los Angeles County, San Mateo County, and Alameda County also see less than one percent of GDP derived from pension benefit dollars.

The three counties in California that have lost the most population from 2000 to 2018 - Sierra, Plumas, and Lassen

counties - all have relatively high percentages of pension benefit dollars as both a share of GDP and a percentage of total personal income. One interesting outlier in California is Alpine County, the state's least populous county, which lies in the Sierra Nevada. Despite being a rural county that has experienced significant population loss since 2000, Alpine County receives a relatively small percentage of its GDP from pension benefit dollars because the overall population in the county is so small, there are few retired public employees.

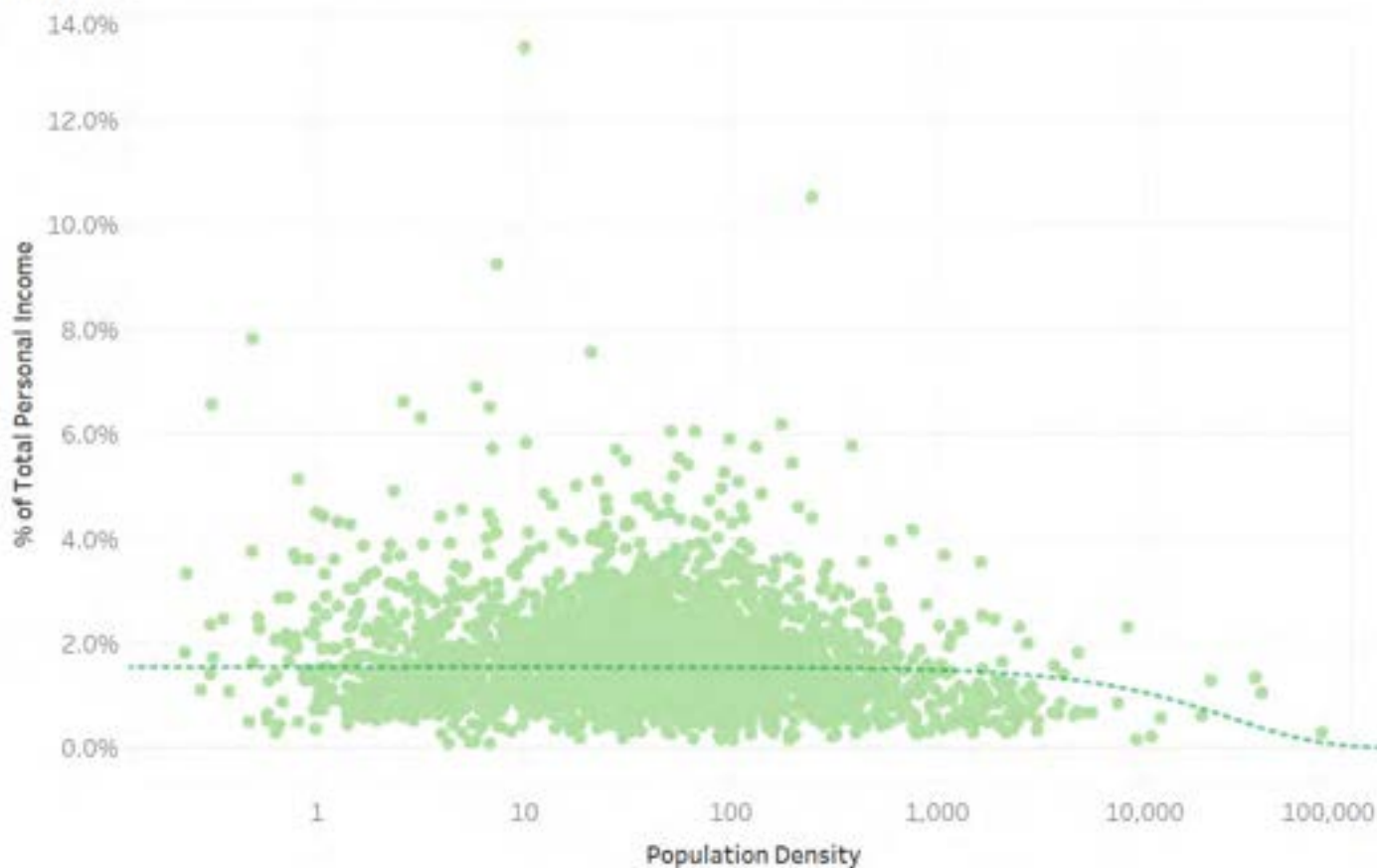
Texas presents a number of interesting findings. Texas has the most counties of any state with 254 (the second most is Georgia with 159). Since there are so many counties in Texas, including a significant number of sparsely populated rural counties, there are several rural counties where pension benefit dollars represent an extremely low percentage of GDP, including Loving County, where pension benefits represent zero percent of GDP.

Aside from the outliers due to the sheer number of small, rural counties, the results are mostly expected. For the counties that include the six largest cities in Texas - Harris (Houston), Bexar (San Antonio), Dallas (Dallas), Travis (Austin), Tarrant (Fort Worth), and El Paso (El Paso) - all rank relatively low in terms of both percentage of GDP and percentage of total personal income represented by pension benefit dollars. El Paso County ranks the highest of these six counties, but it is still below the state averages on both measures.

Looking at all of the 2,922 counties included in our study, there were 23 counties where pension benefit dollars exceeded eight percent of GDP and 29 counties where pension dollars represented more than five percent of total personal income. Seven counties fell under both metrics. These seven counties are a mix of rural and small town counties across several states. One of them, Jefferson County, MT, has nearly 21 percent of GDP represented by public pension benefit dollars, the largest of any county in this research. Another, Alger County, MI, has over 13 percent of personal income (and nearly 16 percent of GDP) represented by public pension benefit dollars, the highest percentage of personal income of any county in this research.

Conversely, there were 57 counties where pension dollars represented less than one-quarter of one percent of GDP and 103 counties where pension dollars represented less than one-half of one percent of total personal income. There were 25 counties that fell under both metrics. These 25 counties are an interesting group. Eight metropolitan counties are included. Two of these metropolitan counties are Midland County, TX, home to a booming oil & gas sector, and New York County, NY, which is Manhattan. The other 17 counties

Figure 4. National Trendline Pension Dollars as a Percentage of Personal Income



are all small town or rural counties in Louisiana, Nebraska, North Dakota, and South Dakota. New York County (Manhattan) has the highest per capita personal income of any county in the United States; Oglala Lakota County, South Dakota, which is also included in this group, is the poorest county in the United States. Both of these counties experience relatively little economic impact from pension benefit dollars, but for completely different reasons. New York County experiences relatively little benefit because the population and overall size of the economy in the county dwarfs the economic benefit of pension dollars. Oglala Lakota County, on the other hand, experiences relatively little benefit because its population and economy are both small and it has few pension benefit recipients.

VI. CONCLUSION

Benefit dollars from public pension plans have a deep economic impact on the communities in which retired public employees reside, especially in small towns and many rural areas. The recently-released county-level GDP data has enabled a clearer assessment of the economic impact of public pension benefits. Public pension benefit dollars represent, on average, between one percent and three percent of GDP across the 43 states studied. In individual counties, though, pension benefit dollars can represent more than ten percent of GDP.

Public pension benefit dollars also account for significant amounts of total personal income in counties across these 43 states. For all 2,922 counties included in this study, pension benefit dollars represent an average of 1.25 percent of total personal income, but some counties see greater than six percent of total personal income derived from pension dollars.

Separating the counties into categories based on status as metropolitan, small town, rural, or state capital yielded some

of the key findings. Generally, counties containing small towns experience the most relative economic benefit from pension benefit dollars. Rural counties see a greater impact in terms of personal income than metropolitan counties do, but the two county types have similar percentages of GDP represented by pension benefit dollars. State capital counties are outliers from other metropolitan counties due to the higher numbers of public employees who remain in these counties in retirement.

While much of the conversation around public pension plans focuses on the contributions that state and local government employers make to these plans, it is important to remember that these plans ultimately pay benefits to retirees and that the spending of these benefits has a real economic impact in local communities. Especially for small towns and rural communities that are more likely to have an older population and have smaller economies, the flow of pension benefit dollars into these communities has a real impact.

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APPENDICES

ALABAMA

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 1.7%
- Metropolitan: 1.4%
- Micropolitan: 2.1%
- Rural: 2.6%

Total average percent of GDP in the state: 1.5%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 2.2%
- Metropolitan: 1.4%
- Micropolitan: 1.8%
- Rural: 2.3%

Total average percent of TPI in the state: 1.5%

Table A1. **Alabama County Data**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Autauga	Metropolitan	\$39,865,199.17	2.69%	1.72%	27.32%
2	Baldwin	Metropolitan	\$129,275,370.39	2.24%	1.30%	55.27%
3	Barbour	Micropolitan	\$14,426,094.09	1.83%	1.65%	-14.32%
4	Bibb	Micropolitan	\$11,341,592.81	3.11%	1.67%	7.56%
5	Blount	Metropolitan	\$22,794,876.14	2.68%	1.13%	13.36%
6	Bullock	Micropolitan	\$7,333,863.59	3.00%	2.51%	-13.45%
7	Butler	Micropolitan	\$11,692,923.78	2.05%	1.63%	-8.03%
8	Calhoun	Metropolitan	\$69,105,609.45	1.75%	1.63%	1.81%
9	Chambers	Micropolitan	\$15,353,316.42	0.79%	1.35%	-8.11%
10	Cherokee	Micropolitan	\$10,293,934.78	2.07%	1.11%	8.52%
11	Chilton	Micropolitan	\$23,744,018.97	2.83%	1.55%	11.52%
12	Choctaw	Micropolitan	\$6,108,818.02	1.12%	1.21%	-19.35%
13	Clarke	Micropolitan	\$17,886,807.59	2.28%	2.06%	-14.16%
14	Clay	Micropolitan	\$9,178,867.73	2.71%	2.06%	-6.87%
15	Cleburne	Micropolitan	\$5,799,124.11	1.97%	1.07%	6.12%
16	Coffee	Metropolitan	\$27,574,566.85	1.88%	1.23%	19.02%
17	Colbert	Metropolitan	\$41,189,974.77	1.49%	1.96%	-0.40%
18	Conecuh	Micropolitan	\$7,321,153.64	1.63%	1.83%	-12.86%
19	Coosa	Micropolitan	\$7,094,142.04	4.01%	2.11%	-12.19%
20	Covington	Micropolitan	\$24,530,851.67	2.14%	1.86%	-1.71%
21	Crenshaw	Micropolitan	\$12,093,892.64	2.96%	2.39%	1.16%
22	Cullman	Metropolitan	\$49,076,824.68	1.93%	1.48%	7.69%
23	Dale	Micropolitan	\$21,889,849.39	0.87%	1.22%	-0.35%
24	Dallas	Micropolitan	\$25,684,982.40	2.19%	1.86%	-17.37%
25	DeKalb	Metropolitan	\$31,438,189.78	1.78%	1.38%	10.76%
26	Elmore	Metropolitan	\$79,623,954.75	4.70%	2.30%	24.31%
27	Escambia	Micropolitan	\$24,256,850.39	2.07%	2.00%	-4.40%
28	Etowah	Metropolitan	\$69,127,920.18	2.47%	1.83%	-0.93%
29	Fayette	Micropolitan	\$10,553,355.67	3.18%	1.84%	-11.15%
30	Franklin	Micropolitan	\$19,040,260.78	2.15%	1.77%	0.45%
31	Geneva	Micropolitan	\$13,049,193.43	2.51%	1.41%	2.13%
32	Greene	Rural	\$6,690,219.30	2.84%	2.51%	-17.46%
33	Hale	Micropolitan	\$12,231,508.75	4.37%	2.27%	-14.31%
34	Henry	Micropolitan	\$12,321,518.07	3.76%	1.77%	5.51%

Table A1. Alabama County Data (continued)

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
35	Houston	Metropolitan	\$56,162,409.07	1.29%	1.26%	17.95%
36	Jackson	Metropolitan	\$29,695,830.13	2.25%	1.57%	-4.06%
37	Jefferson	Metropolitan	\$420,121,963.94	1.01%	1.16%	-0.41%
38	Lamar	Micropolitan	\$8,380,421.89	2.83%	1.81%	-12.95%
39	Lauderdale	Metropolitan	\$55,883,720.57	2.27%	1.63%	5.03%
40	Lawrence	Micropolitan	\$15,004,859.28	2.66%	1.33%	-5.30%
41	Lee	Metropolitan	\$123,682,328.86	2.06%	1.98%	42.44%
42	Limestone	Metropolitan	\$44,370,698.96	1.35%	1.08%	46.44%
43	Lowndes	Rural	\$8,179,969.62	1.98%	2.10%	-25.97%
44	Macon	Micropolitan	\$15,665,187.70	3.58%	2.58%	-23.51%
45	Madison	Metropolitan	\$185,091,768.10	0.85%	0.98%	32.46%
46	Marengo	Micropolitan	\$13,123,970.12	2.00%	1.73%	-15.41%
47	Marion	Micropolitan	\$16,347,269.03	2.03%	1.65%	-4.65%
48	Marshall	Metropolitan	\$50,038,095.49	1.63%	1.44%	16.88%
49	Mobile	Metropolitan	\$233,721,431.14	1.31%	1.48%	3.48%
50	Monroe	Micropolitan	\$13,230,421.03	2.14%	1.88%	-13.39%
51	Montgomery (Capital)	Metropolitan	\$216,755,655.67	1.72%	2.20%	1.01%
52	Morgan	Metropolitan	\$71,173,373.03	1.43%	1.49%	7.23%
53	Perry	Rural	\$6,633,693.55	3.62%	2.38%	-22.94%
54	Pickens	Micropolitan	\$11,439,833.24	2.93%	1.76%	-4.83%
55	Pike	Micropolitan	\$31,730,274.50	2.42%	2.55%	12.61%
56	Randolph	Micropolitan	\$12,208,042.85	2.85%	1.66%	1.54%
57	Russell	Metropolitan	\$14,035,924.12	0.95%	0.73%	16.13%
58	St.Clair	Metropolitan	\$39,435,726.65	2.23%	1.15%	36.99%
59	Shelby	Metropolitan	\$115,912,789.04	1.12%	0.99%	50.54%
60	Sumter	Micropolitan	\$9,219,776.10	2.82%	2.29%	-14.24%
61	Talladega	Metropolitan	\$46,695,386.10	1.64%	1.68%	-0.61%
62	Tallapoosa	Micropolitan	\$32,808,155.67	2.77%	1.99%	-2.36%
63	Tuscaloosa	Metropolitan	\$168,710,774.54	1.87%	2.08%	26.71%
64	Walker	Metropolitan	\$40,023,580.65	1.94%	1.56%	-9.90%
65	Washington	Micropolitan	\$11,816,133.03	1.48%	1.99%	-9.50%
66	Wilcox	Micropolitan	\$7,083,174.03	1.87%	2.07%	-19.39%
67	Winston	Micropolitan	\$13,220,728.83	1.98%	1.58%	-4.76%

Figure A1. Alabama County Type

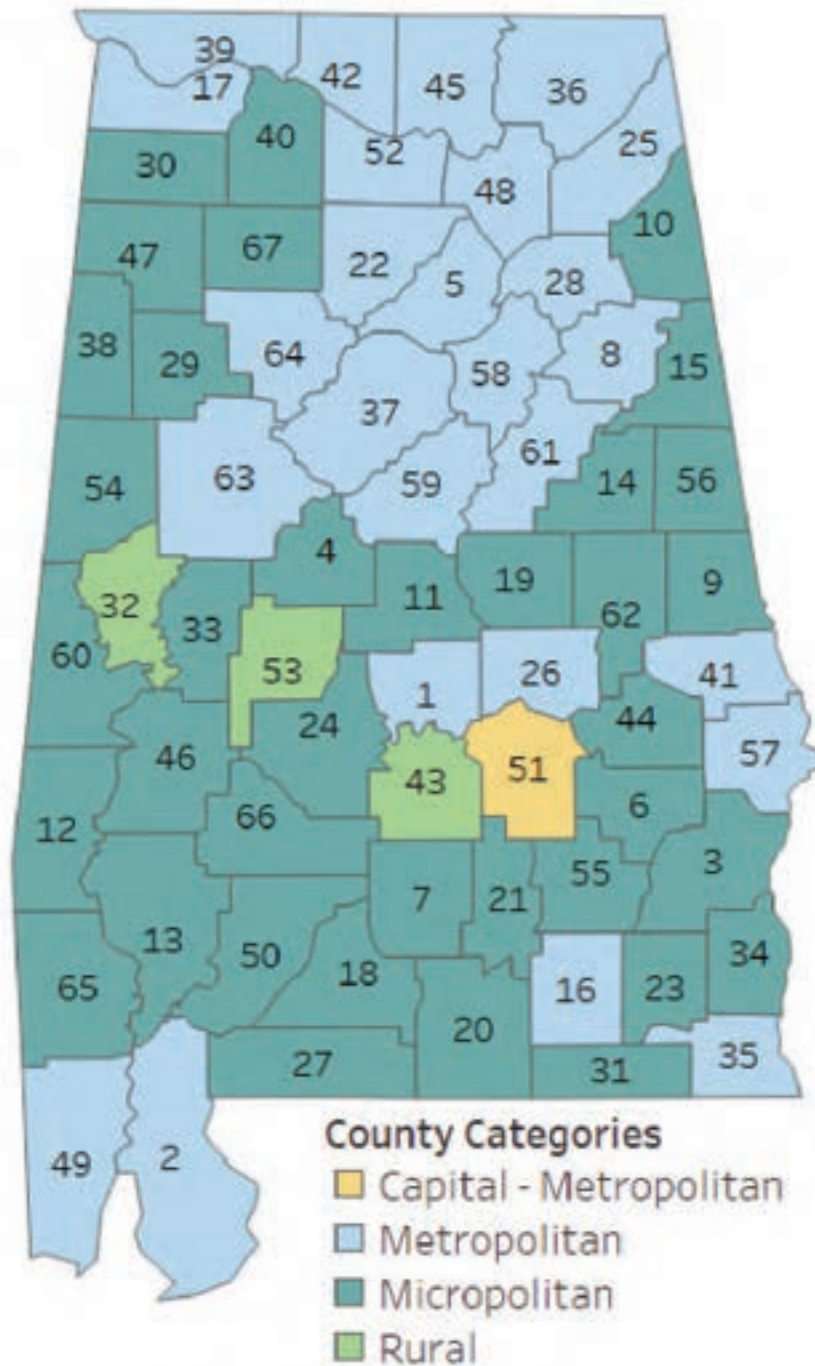


Figure A2. Alabama Pension Benefit Dollars as Share of County GDP

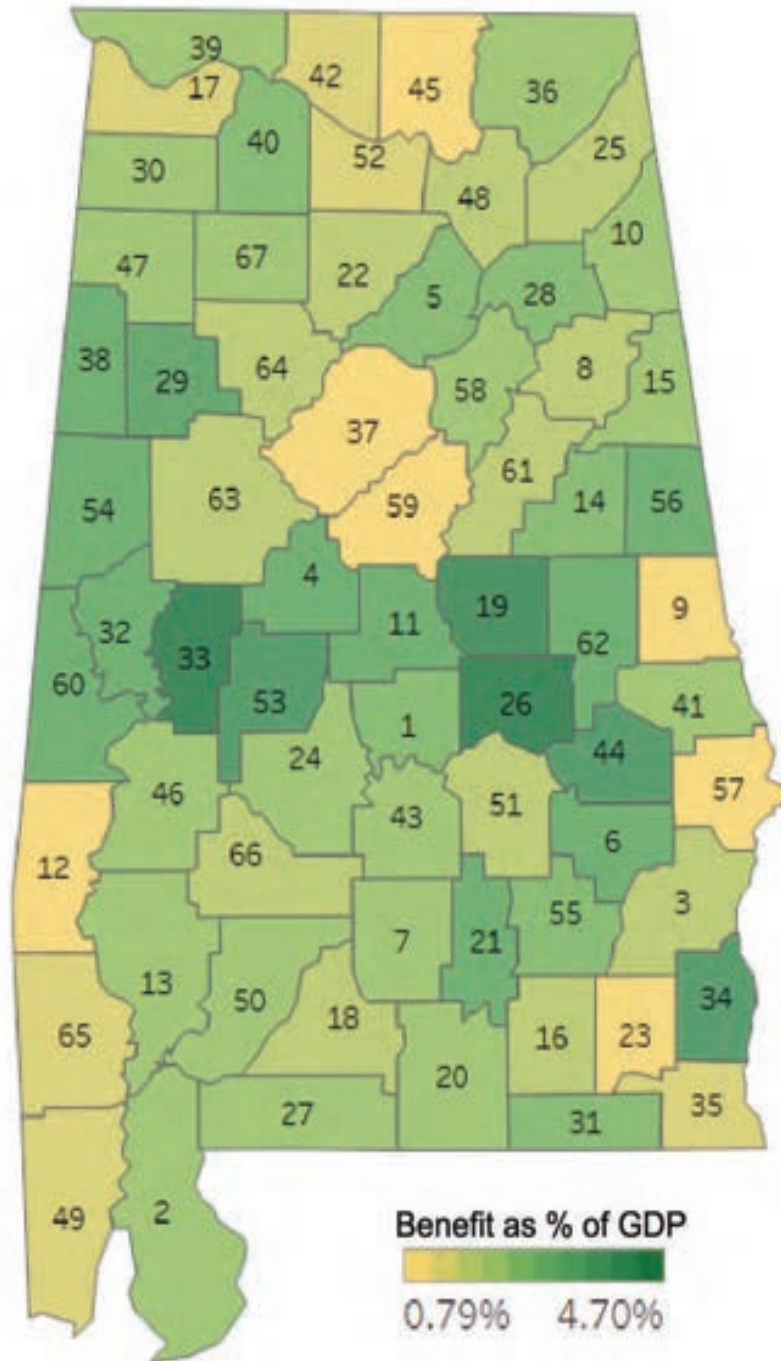
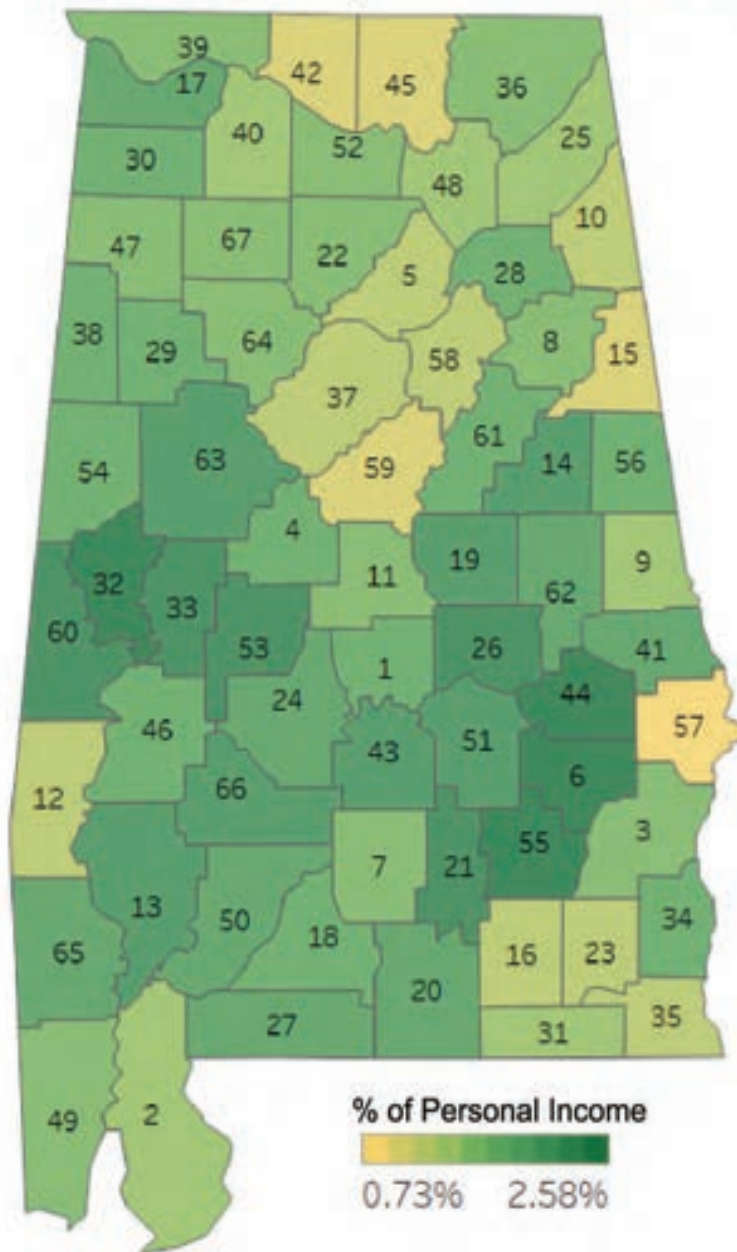


Figure A3. Alabama Pension Benefit Dollars as Share of County Total Personal Income



Overview

In Alabama, we received data from the Retirement Systems of Alabama.

ARKANSAS

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 1.0%
- Metropolitan: 1.2%
- Micropolitan: 1.6%
- Rural: 2.5%

Total average percent of GDP in the state: 1.3%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 1.4%
- Metropolitan: 0.9%
- Micropolitan: 1.5%
- Rural: 1.9%

Total average percent of TPI in the state: 1.2%

Table A2. Arkansas County Data

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Arkansas	Micropolitan	\$9,229,177.86	0.90%	1.15%	-14.36%
2	Ashley	Micropolitan	\$10,990,987.05	1.21%	1.57%	-17.20%
3	Baxter	Micropolitan	\$14,879,399.95	1.32%	0.96%	8.42%
4	Benton	Metropolitan	\$63,408,359.08	0.48%	0.26%	77.70%
5	Boone	Micropolitan	\$19,578,200.14	1.70%	1.45%	10.40%
6	Bradley	Micropolitan	\$8,441,950.85	2.56%	1.96%	-13.52%
7	Calhoun	Rural	\$3,074,693.37	0.89%	1.69%	-8.13%
8	Carroll	Micropolitan	\$7,163,853.24	0.91%	0.75%	11.30%
9	Chicot	Micropolitan	\$7,460,502.55	3.06%	1.97%	-26.06%
10	Clark	Micropolitan	\$18,724,739.45	2.55%	2.34%	-6.31%
11	Clay	Micropolitan	\$6,898,953.11	2.26%	1.36%	-15.69%
12	Cleburne	Micropolitan	\$16,155,437.74	1.81%	1.69%	3.82%
13	Cleveland	Rural	\$6,245,753.37	3.68%	1.93%	-6.45%
14	Columbia	Micropolitan	\$13,567,975.51	1.64%	1.49%	-8.07%
15	Conway	Micropolitan	\$12,300,350.78	1.28%	1.54%	2.73%
16	Craighead	Metropolitan	\$51,774,716.13	1.28%	1.27%	32.15%
17	Crawford	Metropolitan	\$27,222,914.33	1.74%	1.30%	19.08%
18	Crittenden	Micropolitan	\$20,276,055.92	1.37%	1.13%	-4.96%
19	Cross	Micropolitan	\$9,658,133.43	2.19%	1.61%	-14.60%
20	Dallas	Rural	\$4,546,912.99	2.36%	1.83%	-22.02%
21	Desha	Micropolitan	\$9,253,679.54	1.86%	2.12%	-24.96%
22	Drew	Micropolitan	\$14,102,897.16	2.45%	2.07%	-2.11%
23	Faulkner	Metropolitan	\$79,671,596.03	2.16%	1.70%	45.10%
24	Franklin	Micropolitan	\$10,088,468.92	2.10%	1.65%	0.22%
25	Fulton	Micropolitan	\$5,121,968.26	2.73%	1.44%	5.39%
26	Garland	Metropolitan	\$67,066,675.01	2.20%	1.69%	12.59%
27	Grant	Micropolitan	\$12,130,776.10	3.11%	1.75%	10.47%
28	Greene	Micropolitan	\$19,158,223.78	1.43%	1.21%	21.41%
29	Hempstead	Micropolitan	\$11,238,306.03	1.28%	1.59%	-7.83%
30	Hot Spring	Micropolitan	\$21,026,038.49	2.43%	2.04%	11.03%
31	Howard	Micropolitan	\$8,906,491.04	1.49%	1.89%	-6.71%
32	Independence	Micropolitan	\$18,523,223.15	1.11%	1.40%	10.06%
33	Izard	Micropolitan	\$7,578,695.44	2.77%	1.82%	2.60%
34	Jackson	Micropolitan	\$6,779,088.44	1.28%	1.12%	-8.73%

Table A2. Arkansas County Data (continued)

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
35	Jefferson	Metropolitan	\$57,390,077.42	1.97%	2.38%	-19.18%
36	Johnson	Micropolitan	\$12,032,413.75	1.72%	1.55%	17.39%
37	Lafayette	Rural	\$3,179,543.19	1.82%	1.31%	-21.93%
38	Lawrence	Micropolitan	\$10,608,501.71	2.39%	1.84%	-7.54%
39	Lee	Rural	\$6,402,567.67	3.60%	2.58%	-28.58%
40	Lincoln	Micropolitan	\$8,586,170.72	3.29%	2.38%	-7.65%
41	Little River	Micropolitan	\$6,037,954.47	1.59%	1.44%	-9.55%
42	Logan	Micropolitan	\$12,279,386.34	2.04%	1.64%	-3.33%
43	Lonoke	Metropolitan	\$36,176,528.22	3.12%	1.27%	39.43%
44	Madison	Micropolitan	\$7,721,164.85	1.87%	1.32%	15.71%
45	Marion	Micropolitan	\$6,249,397.55	1.26%	1.22%	3.61%
46	Miller	Micropolitan	\$15,471,938.99	1.40%	1.06%	7.79%
47	Mississippi	Micropolitan	\$17,889,094.71	0.81%	1.38%	-20.66%
48	Monroe	Rural	\$4,935,604.45	2.61%	2.19%	-32.71%
49	Montgomery	Rural	\$5,370,776.06	3.42%	1.95%	-3.47%
50	Nevada	Rural	\$5,406,047.56	1.98%	1.90%	-16.36%
51	Newton	Rural	\$4,497,228.97	4.64%	2.00%	-9.33%
52	Ouachita	Micropolitan	\$14,879,019.12	2.42%	1.71%	-18.01%
53	Perry	Micropolitan	\$8,117,131.46	5.73%	2.25%	1.40%
54	Phillips	Micropolitan	\$12,621,057.56	2.75%	2.25%	-31.82%
55	Pike	Micropolitan	\$6,428,884.33	2.59%	1.82%	-5.57%
56	Poinsett	Micropolitan	\$9,586,210.82	1.72%	1.24%	-6.40%
57	Polk	Micropolitan	\$10,162,312.46	2.02%	1.65%	-0.89%
58	Pope	Metropolitan	\$29,843,247.45	1.11%	1.32%	17.50%
59	Prairie	Rural	\$4,909,317.49	2.97%	1.69%	-15.36%
60	Pulaski (Capital)	Metropolitan	\$279,775,770.89	1.03%	1.39%	8.63%
61	Randolph	Micropolitan	\$9,193,881.75	2.21%	1.53%	-1.36%
62	Saint Francis	Micropolitan	\$16,654,045.02	2.42%	2.34%	-13.26%
63	Saline	Metropolitan	\$71,561,224.14	3.59%	1.42%	45.36%
64	Scott	Micropolitan	\$4,170,270.84	1.45%	1.29%	-6.16%
65	Searcy	Rural	\$5,402,616.10	4.41%	2.38%	-3.67%
66	Sebastian	Metropolitan	\$48,109,013.97	0.79%	0.89%	11.02%
67	Sevier	Micropolitan	\$5,781,347.16	1.25%	1.07%	8.77%
68	Sharp	Micropolitan	\$9,400,833.06	3.03%	1.69%	1.44%

Table A2. **Arkansas County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
69	Stone	Micropolitan	\$8,258,266.86	3.62%	2.13%	8.33%
70	Union	Micropolitan	\$19,373,716.22	0.69%	1.07%	-14.25%
71	Van Buren	Micropolitan	\$9,931,454.32	1.51%	1.92%	2.54%
72	Washington	Metropolitan	\$80,674,812.32	0.82%	0.85%	50.25%
73	White	Metropolitan	\$39,914,435.79	1.76%	1.43%	17.21%
74	Woodruff	Rural	\$3,989,802.22	1.89%	1.64%	-25.75%
75	Yell	Micropolitan	\$8,908,079.09	1.62%	1.24%	1.87%

Figure A4. Arkansas County Type

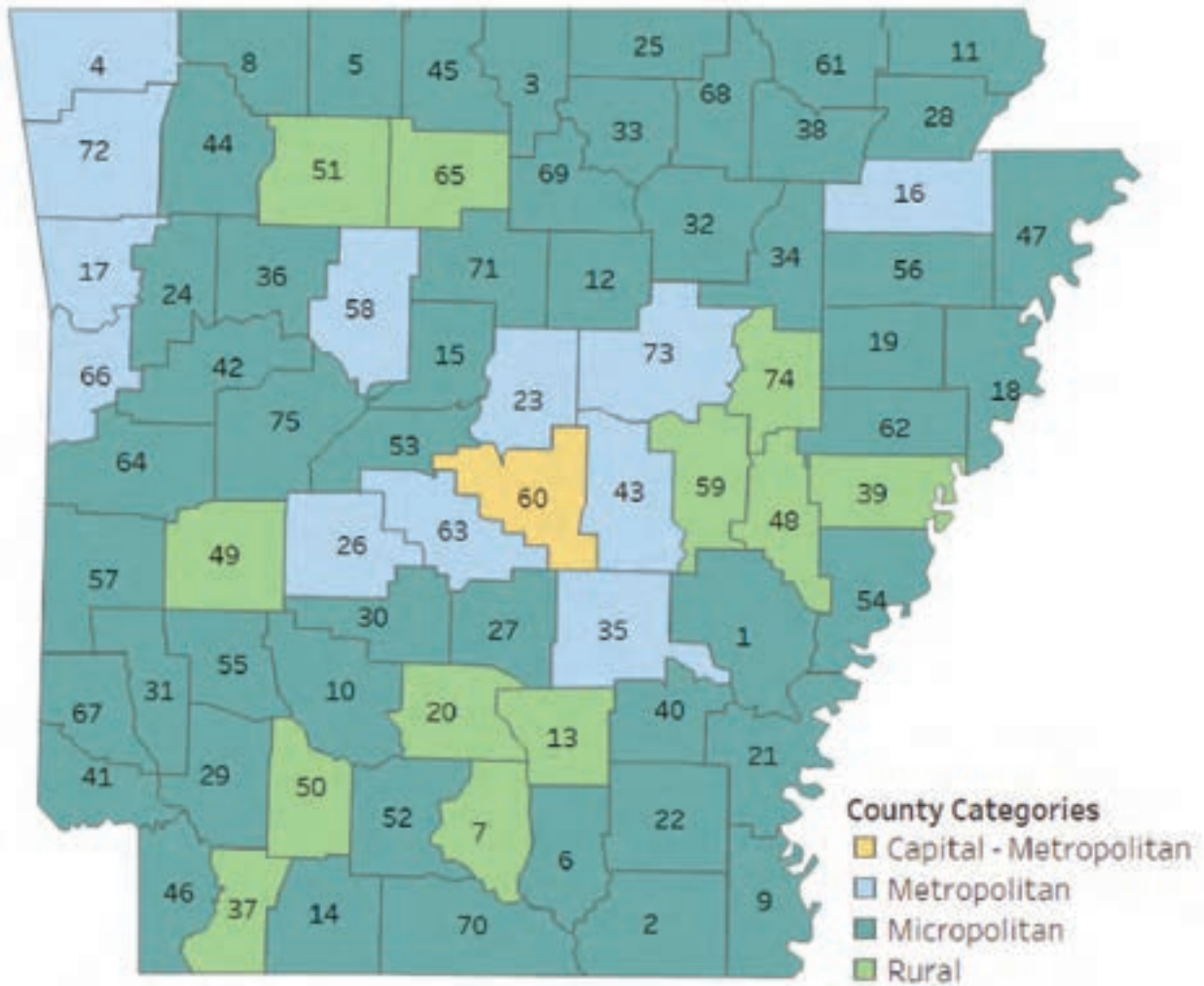


Figure A5. Arkansas Pension Benefit Dollars as Share of County GDP

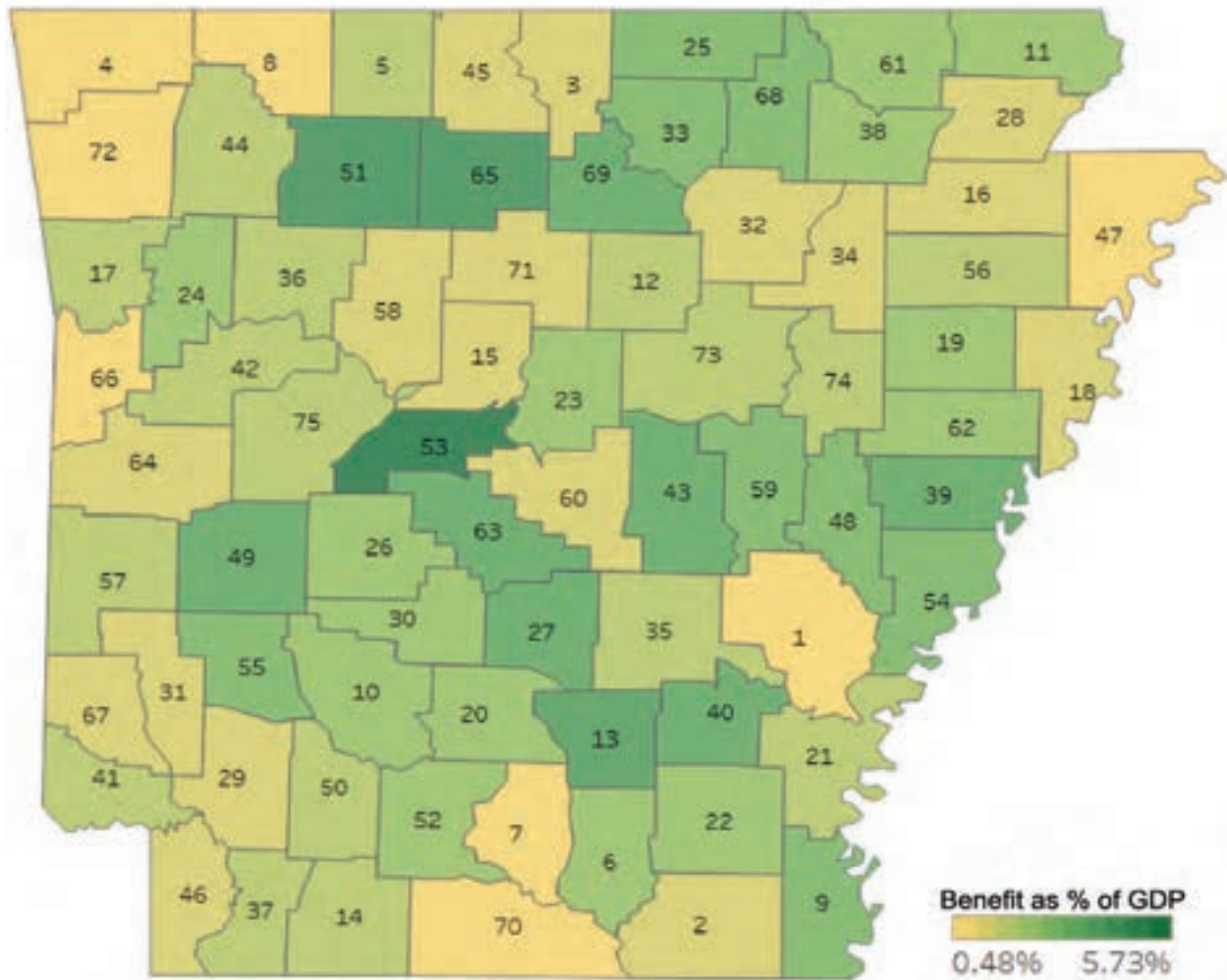
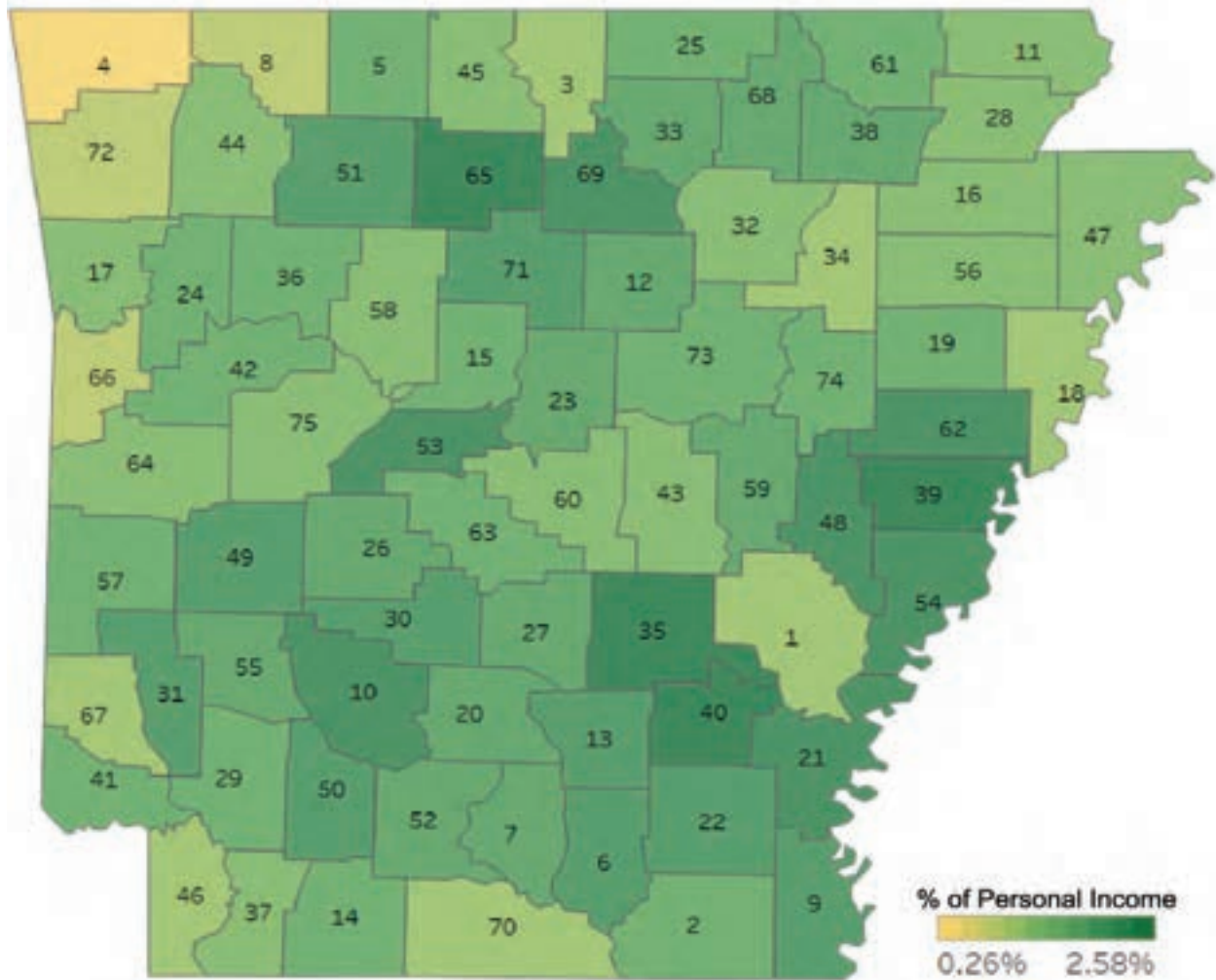


Figure A6. Arkansas Pension Benefit Dollars as Share of County Total Personal Income



Overview

In Arkansas, we received data from the Arkansas Public Employees Retirement System and the Arkansas Teachers Retirement System.

CALIFORNIA

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 3.4%
- Metropolitan: 1.2%
- Micropolitan: 4.3%
- Rural: 3.0%

Total average percent of GDP in the state: 1.3%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 3.6%
- Metropolitan: 1.3%
- Micropolitan: 4.3%
- Rural: 4.3%

Total average percent of TPI in the state: 1.4%

Table A3. California County Data

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Alameda	Metropolitan	\$1,244,300,718.56	0.95%	0.97%	15.45%
2	Alpine	Rural	\$2,467,636.52	1.15%	3.06%	-8.86%
3	Amador	Micropolitan	\$106,690,590.96	6.46%	6.05%	12.20%
4	Butte	Metropolitan	\$347,963,264.26	3.77%	3.39%	13.82%
5	Calaveras	Micropolitan	\$101,377,221.23	7.04%	4.46%	12.45%
6	Colusa	Micropolitan	\$20,622,526.19	1.23%	1.94%	15.01%
7	ContraCosta	Metropolitan	\$1,137,116,163.21	1.47%	1.20%	21.23%
8	DelNorte	Micropolitan	\$59,159,559.56	6.29%	5.70%	1.17%
9	ElDorado	Metropolitan	\$503,997,480.69	6.58%	3.92%	22.00%
10	Fresno	Metropolitan	\$921,295,913.56	2.12%	2.15%	24.39%
11	Glenn	Micropolitan	\$28,673,761.79	1.92%	2.10%	6.03%
12	Humboldt	Metropolitan	\$206,496,009.04	3.37%	3.11%	7.79%
13	Imperial	Metropolitan	\$146,443,010.04	1.82%	2.18%	27.72%
14	Inyo	Micropolitan	\$36,372,521.84	3.02%	3.30%	0.23%
15	Kern	Metropolitan	\$614,875,902.49	1.23%	1.73%	35.54%
16	Kings	Metropolitan	\$130,982,220.58	2.32%	2.45%	16.92%
17	Lake	Metropolitan	\$74,631,378.53	3.43%	2.68%	10.42%
18	Lassen	Micropolitan	\$75,976,836.77	5.59%	6.52%	-8.95%
19	LosAngeles	Metropolitan	\$5,084,674,363.29	0.72%	0.81%	6.16%
20	Madera	Metropolitan	\$177,695,200.76	2.50%	2.82%	28.08%
21	Marin	Metropolitan	\$337,814,450.16	1.62%	0.97%	5.01%
22	Mariposa	Micropolitan	\$35,683,687.16	4.40%	3.84%	1.99%
23	Mendocino	Metropolitan	\$109,952,993.55	3.09%	2.50%	1.55%
24	Merced	Metropolitan	\$177,233,278.44	1.88%	1.67%	30.50%
25	Modoc	Rural	\$15,330,336.63	3.47%	3.90%	-7.11%
26	Mono	Micropolitan	\$21,070,284.92	2.09%	2.88%	10.87%
27	Monterey	Metropolitan	\$424,398,983.58	1.64%	1.73%	8.42%
28	Napa	Metropolitan	\$229,781,127.00	2.30%	2.20%	12.18%
29	Nevada	Metropolitan	\$214,976,641.84	5.15%	3.49%	8.33%
30	Orange	Metropolitan	\$3,089,865,777.27	1.34%	1.40%	11.93%
31	Placer	Metropolitan	\$879,900,561.95	4.00%	3.36%	58.27%
32	Plumas	Micropolitan	\$41,418,280.60	3.94%	4.11%	-9.70%

Table A3. California County Data (continued)

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
33	Riverside	Metropolitan	\$2,140,977,937.28	2.68%	2.15%	58.59%
34	Sacramento (Capital)	Metropolitan	\$2,887,172,307.91	3.39%	3.57%	25.95%
35	SanBenito	Metropolitan	\$55,183,556.39	2.21%	1.67%	15.60%
36	SanBernardino	Metropolitan	\$1,589,079,469.20	1.87%	1.82%	27.04%
37	SanDiego	Metropolitan	\$2,711,933,160.61	1.24%	1.32%	18.82%
38	SanFrancisco	Metropolitan	\$708,562,717.93	0.44%	0.61%	13.72%
39	SanJoaquin	Metropolitan	\$783,714,629.61	2.68%	2.31%	33.55%
40	SanLuisObispo	Metropolitan	\$666,876,026.60	4.03%	4.01%	15.13%
41	SanMateo	Metropolitan	\$769,654,503.37	0.73%	0.79%	8.82%
42	SantaBarbara	Metropolitan	\$322,859,205.89	1.16%	1.15%	11.81%
43	SantaClara	Metropolitan	\$1,362,418,273.88	0.43%	0.65%	15.15%
44	SantaCruz	Metropolitan	\$384,843,173.51	2.80%	2.02%	7.30%
45	Shasta	Metropolitan	\$306,379,565.40	4.00%	3.65%	10.28%
46	Sierra	Rural	\$8,783,993.71	4.08%	6.31%	-15.98%
47	Siskiyou	Micropolitan	\$85,067,650.23	4.79%	4.32%	-1.30%
48	Solano	Metropolitan	\$642,462,106.15	2.76%	2.78%	13.20%
49	Sonoma	Metropolitan	\$795,410,012.73	2.78%	2.47%	9.01%
50	Stanislaus	Metropolitan	\$410,317,249.36	1.77%	1.69%	23.00%
51	Sutter	Metropolitan	\$121,825,128.51	3.49%	2.83%	22.65%
52	Tehama	Metropolitan	\$85,302,437.14	3.86%	3.14%	14.06%
53	Trinity	Micropolitan	\$22,512,851.38	4.44%	4.42%	-3.74%
54	Tulare	Metropolitan	\$395,318,786.58	2.15%	2.10%	26.59%
55	Tuolumne	Metropolitan	\$123,826,194.92	5.09%	4.75%	0.07%
56	Ventura	Metropolitan	\$1,026,730,535.52	1.92%	1.96%	12.98%
57	Yolo	Metropolitan	\$298,043,118.05	2.17%	2.50%	30.68%
58	Yuba	Metropolitan	\$65,042,898.75	2.15%	2.04%	29.60%

Figure A7. California County Type

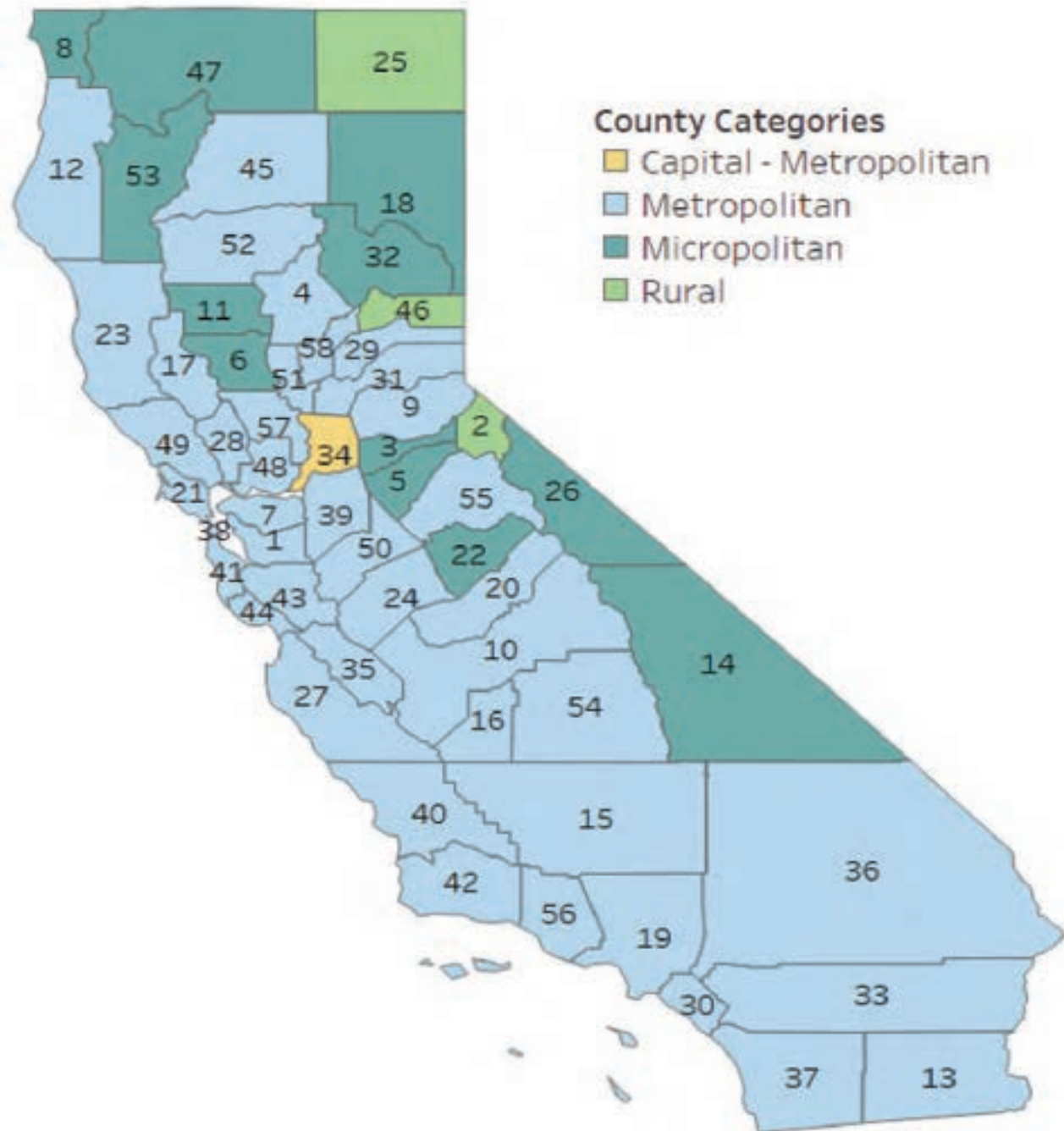
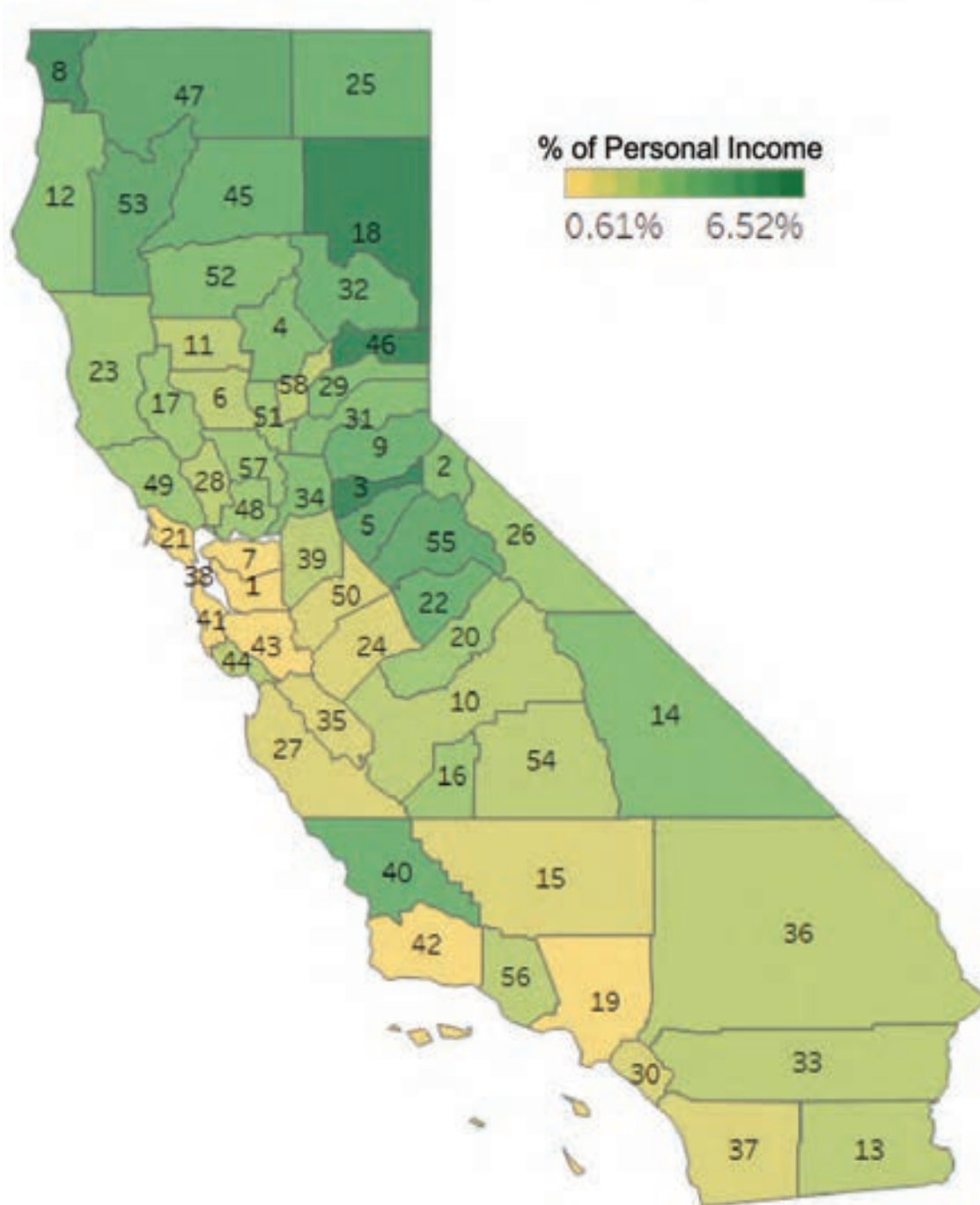


Figure A9. California Pension Benefit Dollars as Share of County Total Personal Income



Overview

In California, we received data from the following plans: California Public Employees' Retirement System (CalPERS), California State Teachers' Retirement System (CalSTRS), Orange County Employees Retirement System, Sonoma County Employees' Retirement Association, Sacramento County Employees' Retirement System, San Francisco Employees' Retirement System, San Joaquin County Employees' Retirement Association, Imperial County Employees' Retirement System, Ventura County Employees' Retirement Association, Fresno County Employees' Retirement Association, San Diego City Employees' Retirement System, and Los Angeles Fire and Police Pensions.

COLORADO

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 0.6%
- Metropolitan: 1.4%
- Micropolitan: 1.9%
- Rural: 1.6%

Total average percent of GDP in the state: 1.3%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 0.7%
- Metropolitan: 1.4%
- Micropolitan: 1.7%
- Rural: 1.9%

Total average percent of TPI in the state: 1.3%

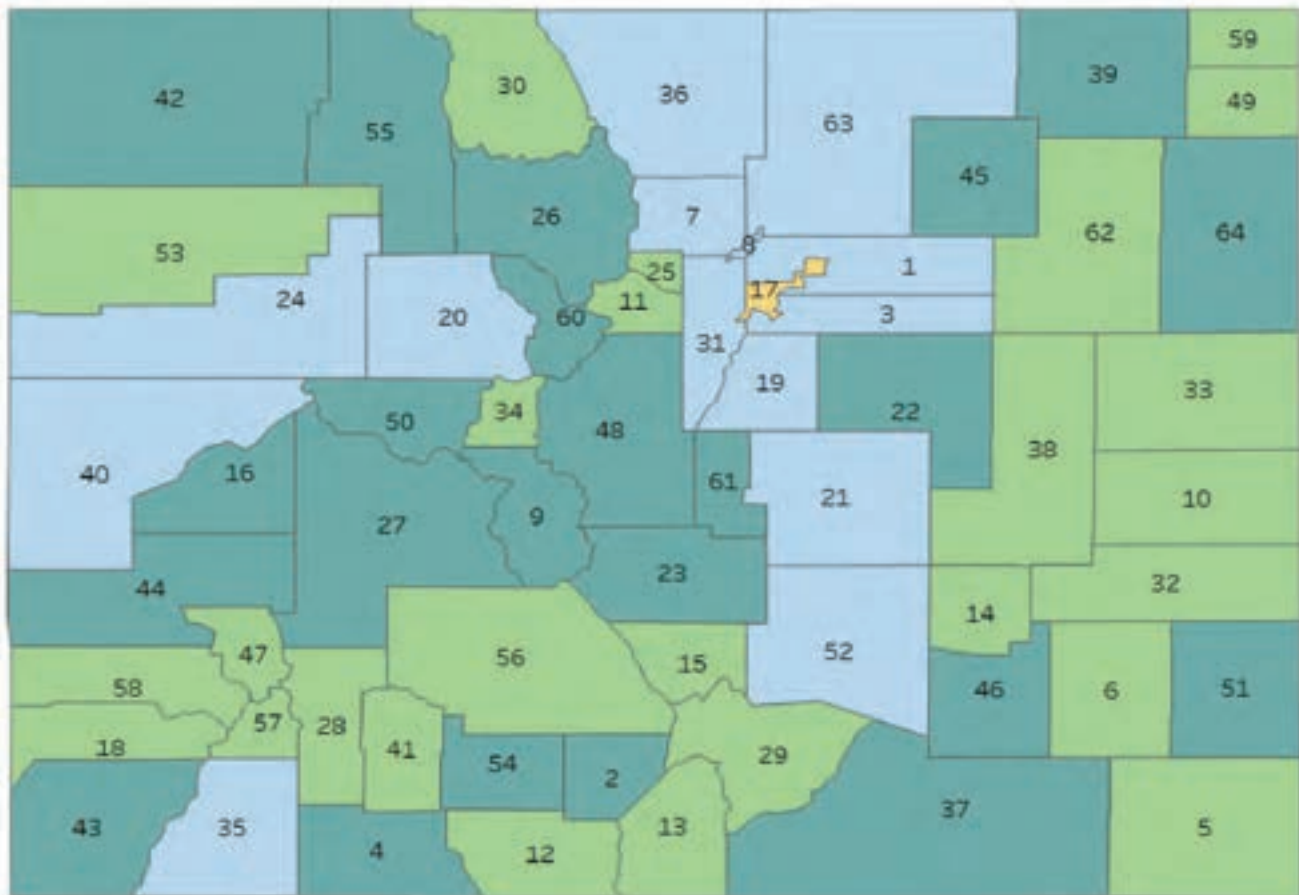
Table A4. **Colorado County Data**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Adams	Metropolitan	\$231,801,795.36	0.97%	1.05%	40.68%
2	Alamosa	Micropolitan	\$19,916,821.85	2.97%	3.20%	11.47%
3	Arapahoe	Metropolitan	\$427,406,646.85	0.97%	1.09%	33.45%
4	Archuleta	Micropolitan	\$6,701,438.30	1.39%	1.16%	39.07%
5	Baca	Rural	\$3,371,647.07	2.45%	2.30%	-20.63%
6	Bent	Rural	\$3,548,273.22	2.14%	2.19%	-1.93%
7	Boulder	Metropolitan	\$282,009,971.87	1.11%	1.18%	11.94%
8	Broomfield	Metropolitan	\$51,727,435.73	0.64%	1.12%	N/A
9	Chaffee	Micropolitan	\$28,817,677.36	4.16%	3.06%	23.30%
10	Cheyenne	Rural	\$1,486,877.00	0.63%	1.40%	-15.91%
11	ClearCreek	Rural	\$9,574,015.31	1.91%	1.63%	3.04%
12	Conejos	Rural	\$9,250,922.24	3.79%	3.06%	-2.38%
13	Costilla	Rural	\$3,089,050.20	2.87%	2.35%	4.50%
14	Crowley	Rural	\$3,539,134.93	2.79%	3.16%	6.16%
15	Custer	Rural	\$7,676,391.97	6.01%	3.72%	41.42%
16	Delta	Micropolitan	\$29,085,237.88	3.70%	2.42%	11.21%
17	Denver (Capital)	Metropolitan	\$402,736,026.10	0.57%	0.70%	29.18%
18	Dolores	Rural	\$1,581,120.14	1.01%	2.18%	12.47%
19	Douglas	Metropolitan	\$203,889,080.72	1.30%	0.81%	95.02%
20	Eagle	Metropolitan	\$14,546,693.70	0.43%	0.34%	32.01%
21	El Paso	Metropolitan	\$515,066,220.80	1.54%	1.49%	38.10%
22	Elbert	Micropolitan	\$22,139,642.94	4.57%	1.47%	32.26%
23	Fremont	Micropolitan	\$73,716,380.58	5.56%	4.33%	4.07%
24	Garfield	Metropolitan	\$32,608,223.53	0.77%	0.91%	36.49%
25	Gilpin	Rural	\$4,127,233.09	0.79%	1.40%	28.67%
26	Grand	Micropolitan	\$11,876,795.78	1.66%	1.53%	24.78%
27	Gunnison	Micropolitan	\$12,877,580.34	1.25%	1.58%	23.57%
28	Hinsdale	Rural	\$683,011.00	1.30%	1.66%	2.66%
29	Huerfano	Rural	\$7,628,351.52	2.79%	2.61%	-12.38%
30	Jackson	Rural	\$1,043,500.10	0.88%	1.50%	-11.29%
31	Jefferson	Metropolitan	\$624,587,821.18	2.12%	1.69%	10.09%
32	Kiowa	Rural	\$1,478,056.24	2.00%	2.13%	-14.73%
33	Kit Carson	Rural	\$5,738,181.93	1.47%	2.15%	-10.59%
34	Lake	Rural	\$4,870,214.84	1.57%	1.68%	0.15%

Table A4. Colorado County Data (continued)

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
35	La Plata	Metropolitan	\$45,344,880.34	1.29%	1.44%	28.15%
36	Larimer	Metropolitan	\$313,630,432.80	1.87%	1.65%	39.37%
37	Las Animas	Micropolitan	\$16,717,938.32	2.35%	2.83%	-4.63%
38	Lincoln	Rural	\$5,877,152.26	1.50%	3.63%	-7.84%
39	Logan	Micropolitan	\$22,783,981.03	2.15%	2.20%	4.99%
40	Mesa	Metropolitan	\$138,223,408.07	2.21%	2.01%	31.79%
41	Mineral	Rural	\$827,090.00	1.07%	1.50%	-6.62%
42	Moffat	Micropolitan	\$7,699,313.00	0.78%	1.39%	0.03%
43	Montezuma	Micropolitan	\$18,132,087.28	1.01%	1.61%	9.77%
44	Montrose	Micropolitan	\$36,526,926.60	2.58%	2.17%	26.27%
45	Morgan	Micropolitan	\$22,946,359.18	1.44%	1.76%	5.10%
46	Otero	Micropolitan	\$19,925,448.06	3.35%	2.83%	-9.25%
47	Ouray	Rural	\$4,102,057.26	2.05%	1.42%	29.16%
48	Park	Micropolitan	\$12,324,642.37	3.07%	1.47%	27.77%
49	Phillips	Rural	\$3,404,222.92	1.60%	1.79%	-4.33%
50	Pitkin	Micropolitan	\$4,755,853.39	0.25%	0.18%	20.70%
51	Prowers	Micropolitan	\$10,002,314.99	1.71%	1.95%	-16.01%
52	Pueblo	Metropolitan	\$258,521,743.03	4.25%	3.91%	18.42%
53	Rio Blanco	Rural	\$6,198,215.13	0.84%	2.09%	5.85%
54	Rio Grande	Micropolitan	\$11,385,712.14	2.61%	2.17%	-9.37%
55	Routt	Micropolitan	\$16,163,545.29	0.96%	0.75%	30.69%
56	Saguache	Rural	\$3,119,570.34	1.83%	1.51%	15.65%
57	San Juan	Rural	\$341,971.26	0.77%	1.02%	36.56%
58	San Miguel	Rural	\$3,387,424.12	0.54%	0.48%	24.22%
59	Sedgwick	Rural	\$2,197,741.94	1.79%	1.95%	-16.16%
60	Summit	Micropolitan	\$12,416,180.47	0.58%	0.59%	31.68%
61	Teller	Micropolitan	\$24,550,951.95	2.86%	1.99%	22.03%
62	Washington	Rural	\$4,363,465.61	1.81%	1.99%	-0.35%
63	Weld	Metropolitan	\$211,817,241.52	1.03%	1.46%	73.71%
64	Yuma	Micropolitan	\$6,334,237.10	0.94%	1.26%	1.82%

Figure A10. Colorado County Type



- County Categories**
- Capital - Metropolitan
 - Metropolitan
 - Micropolitan
 - Rural

Figure A11. Colorado Pension Benefit Dollars as Share of County GDP

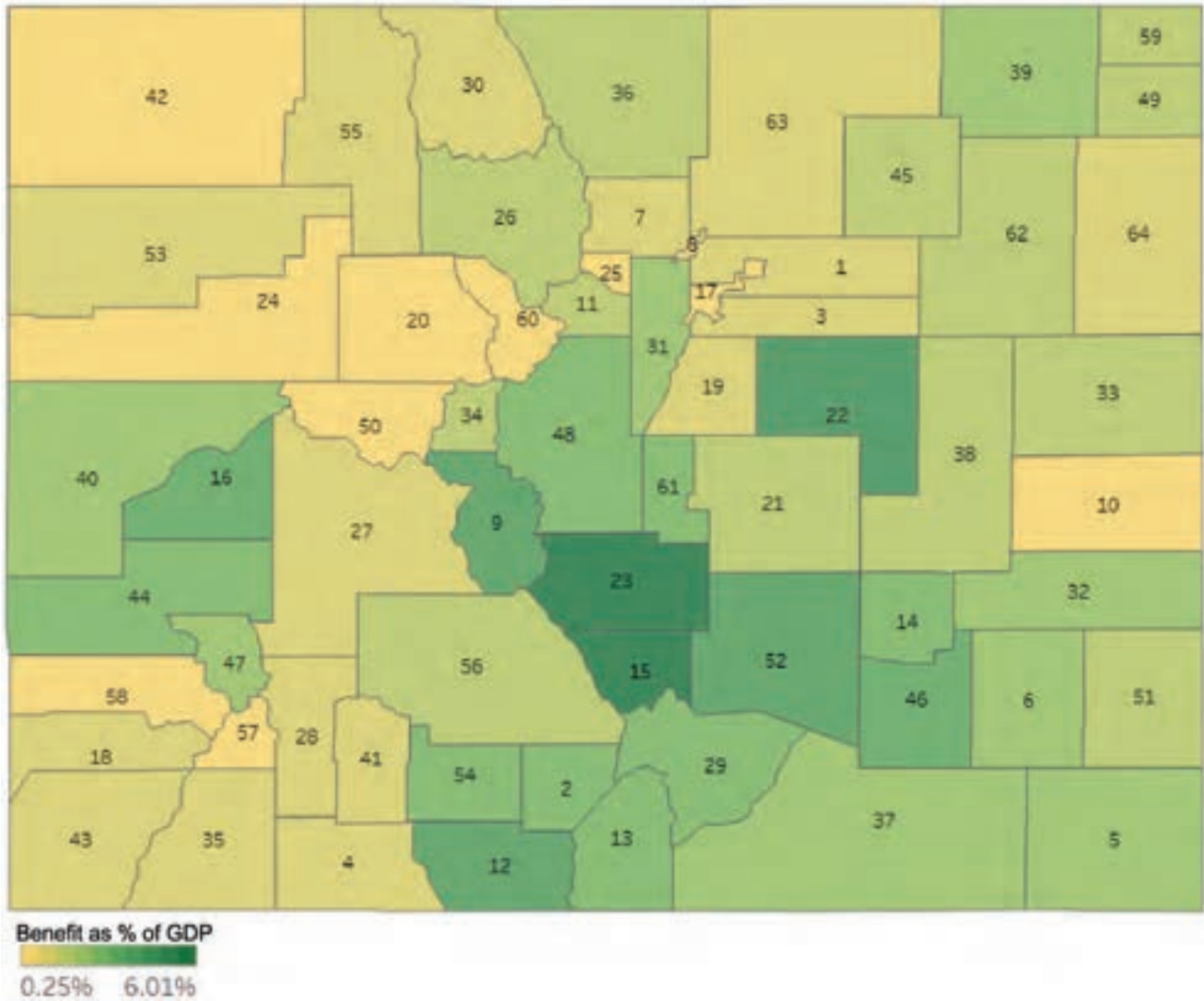
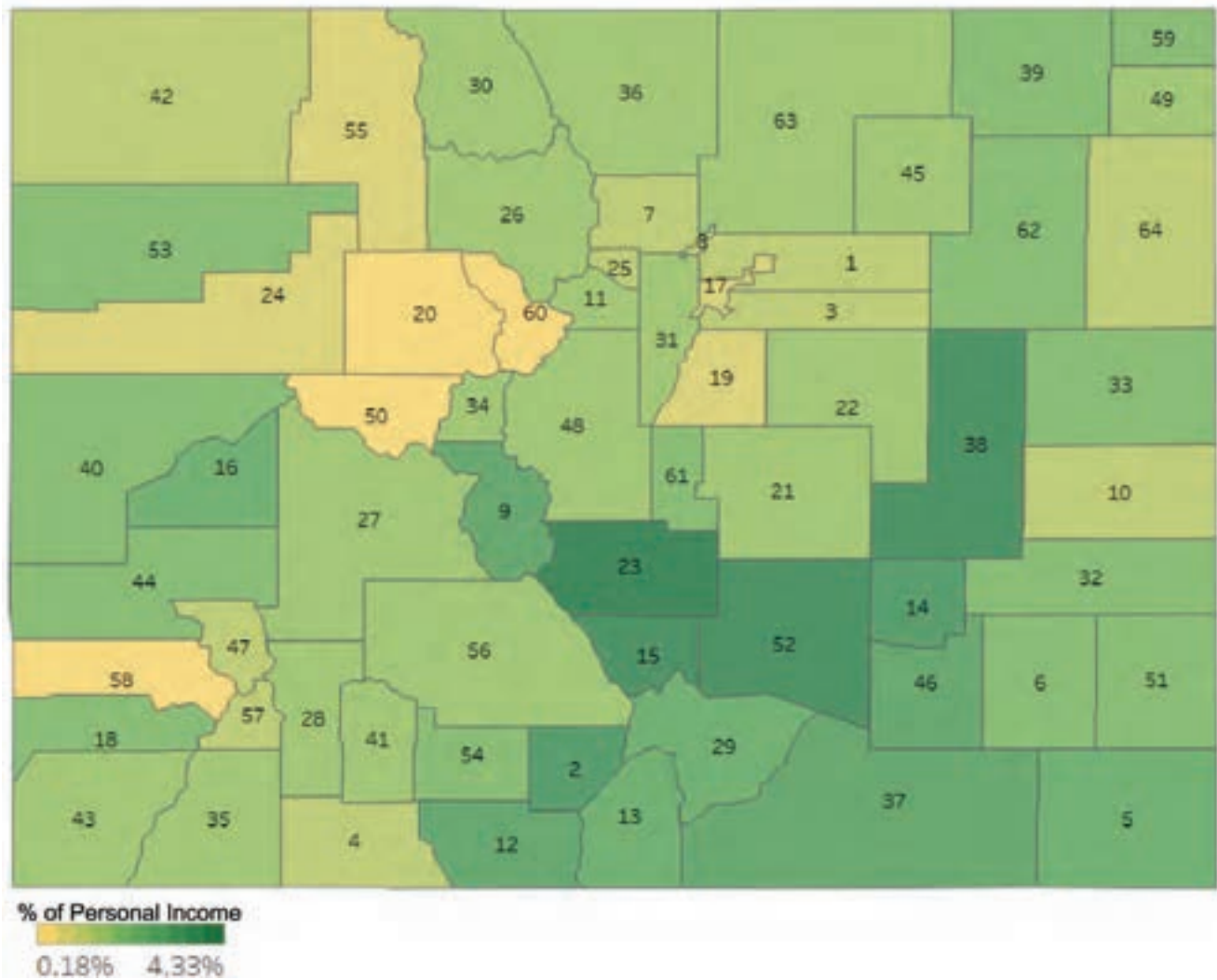


Figure A12. Colorado Pension Benefit Dollars as Share of County Total Personal Income



Overview

In Colorado, we received data from the Fire and Police Pension Association of Colorado and Colorado Public Employee Retirement Association (PERA).

FLORIDA

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 3.3%
- Metropolitan: 0.8%
- Micropolitan: 3.7%
- Rural: 4.6%

Total average percent of GDP in the state: 0.9%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 3.6%
- Metropolitan: 0.7%
- Micropolitan: 3.0%
- Rural: 4.4%

Total average percent of TPI in the state: 0.7%

Table A5. Florida County Data

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Alachua	Metropolitan	\$248,366,993.18	2.00%	2.07%	23.86%
2	Baker	Micropolitan	\$22,168,807.06	3.72%	2.42%	27.39%
3	Bay	Metropolitan	\$84,253,114.54	1.11%	1.05%	25.01%
4	Bradford	Micropolitan	\$27,362,334.48	4.15%	2.94%	6.30%
5	Brevard	Metropolitan	\$217,983,832.00	0.93%	0.80%	25.33%
6	Broward	Metropolitan	\$619,838,691.22	0.64%	0.63%	20.22%
7	Calhoun	Micropolitan	\$14,908,853.46	5.96%	3.80%	12.06%
8	Charlotte	Metropolitan	\$51,292,508.37	1.10%	0.67%	30.62%
9	Citrus	Metropolitan	\$71,861,283.47	2.05%	1.28%	25.27%
10	Clay	Metropolitan	\$76,224,724.49	1.69%	0.82%	53.44%
11	Collier	Metropolitan	\$71,971,846.41	0.46%	0.21%	50.57%
12	Columbia	Metropolitan	\$58,867,365.75	2.78%	2.38%	24.76%
13	Desoto	Micropolitan	\$20,832,218.41	2.51%	2.35%	16.39%
14	Dixie	Micropolitan	\$13,750,569.07	5.00%	2.95%	20.78%
15	Duval	Metropolitan	\$276,124,612.13	0.47%	0.63%	21.99%
16	Escambia	Metropolitan	\$155,923,036.00	1.10%	1.16%	7.18%
17	Flagler	Metropolitan	\$33,735,771.76	1.56%	0.65%	124.89%
18	Franklin	Micropolitan	\$11,083,162.94	3.27%	2.62%	6.14%
19	Gadsden	Micropolitan	\$79,854,394.09	6.60%	4.95%	1.79%
20	Gilchrist	Micropolitan	\$15,520,490.61	4.03%	2.52%	26.45%
21	Glades	Micropolitan	\$3,192,363.28	1.18%	0.95%	29.77%
22	Gulf	Micropolitan	\$12,594,918.91	3.34%	2.18%	21.24%
23	Hamilton	Micropolitan	\$12,332,079.71	3.14%	3.31%	7.38%
24	Hardee	Micropolitan	\$13,848,507.62	1.24%	1.80%	1.14%
25	Hendry	Micropolitan	\$14,958,909.23	1.23%	1.16%	14.76%
26	Hernando	Metropolitan	\$63,018,710.65	1.65%	0.90%	45.92%
27	Highlands	Metropolitan	\$56,184,101.51	2.21%	1.59%	20.67%
28	Hillsborough	Metropolitan	\$506,493,582.65	0.63%	0.75%	43.84%
29	Holmes	Micropolitan	\$15,738,440.08	4.86%	2.65%	4.92%
30	Indian River	Metropolitan	\$60,799,802.53	1.14%	0.51%	39.37%
31	Jackson	Micropolitan	\$80,430,223.31	6.71%	5.19%	3.32%
32	Jefferson	Micropolitan	\$24,046,412.38	7.94%	4.13%	10.74%
33	Lafayette	Rural	\$6,273,589.28	3.00%	2.98%	24.35%
34	Lake	Metropolitan	\$136,830,314.73	1.65%	0.91%	69.33%

Table A5. **Florida County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
35	Lee	Metropolitan	\$174,605,255.10	0.65%	0.45%	71.16%
36	Leon (Capital)	Metropolitan	\$462,110,136.45	3.26%	3.55%	22.15%
37	Levy	Micropolitan	\$28,728,209.78	2.61%	2.00%	18.35%
38	Liberty	Rural	\$11,632,576.27	6.39%	5.83%	20.45%
39	Madison	Micropolitan	\$18,858,718.07	3.85%	3.21%	-1.09%
40	Manatee	Metropolitan	\$127,616,310.80	1.01%	0.68%	49.57%
41	Marion	Metropolitan	\$147,812,914.34	1.60%	1.11%	39.03%
42	Martin	Metropolitan	\$69,263,469.24	1.00%	0.51%	26.97%
43	Miami-Dade	Metropolitan	\$836,668,274.00	0.57%	0.61%	22.55%
44	Monroe	Metropolitan	\$35,674,411.14	0.84%	0.52%	-5.73%
45	Nassau	Metropolitan	\$35,308,662.67	1.60%	0.71%	48.85%
46	Okaloosa	Metropolitan	\$83,717,653.12	0.80%	0.83%	21.57%
47	Okeechobee	Micropolitan	\$23,239,081.24	2.02%	1.82%	15.67%
48	Orange	Metropolitan	\$308,955,743.00	0.35%	0.50%	54.03%
49	Osceola	Metropolitan	\$53,201,854.00	0.64%	0.43%	113.34%
50	Palm Beach	Metropolitan	\$440,549,718.76	0.61%	0.37%	31.36%
51	Pasco	Metropolitan	\$154,838,632.11	1.38%	0.71%	56.52%
52	Pinellas	Metropolitan	\$354,038,213.00	0.75%	0.68%	5.84%
53	Polk	Metropolitan	\$236,564,660.07	1.05%	0.94%	46.31%
54	Putnam	Metropolitan	\$59,190,193.11	2.95%	2.51%	5.31%
55	St. Johns	Metropolitan	\$105,160,402.23	1.43%	0.61%	106.49%
56	St. Lucie	Metropolitan	\$102,459,691.35	1.23%	0.81%	66.65%
57	Santa Rosa	Metropolitan	\$74,366,224.44	1.94%	0.93%	52.32%
58	Sarasota	Metropolitan	\$127,098,511.00	0.71%	0.46%	30.91%
59	Seminole	Metropolitan	\$153,993,049.00	0.78%	0.67%	28.10%
62	Sumter	Metropolitan	\$55,250,423.50	2.22%	0.93%	141.36%
63	Suwannee	Micropolitan	\$36,873,534.32	3.38%	2.52%	26.83%
64	Taylor	Micropolitan	\$17,943,667.00	2.10%	2.73%	12.29%
65	Union	Micropolitan	\$17,962,299.88	6.00%	5.41%	11.14%
66	Volusia	Metropolitan	\$256,985,554.86	1.56%	1.11%	23.50%
67	Wakulla	Micropolitan	\$42,947,212.69	7.09%	3.57%	41.98%
68	Walton	Metropolitan	\$29,549,848.95	1.18%	0.69%	75.80%
69	Washington	Micropolitan	\$23,473,417.88	4.77%	3.21%	18.63%

Figure A13. Florida County Type

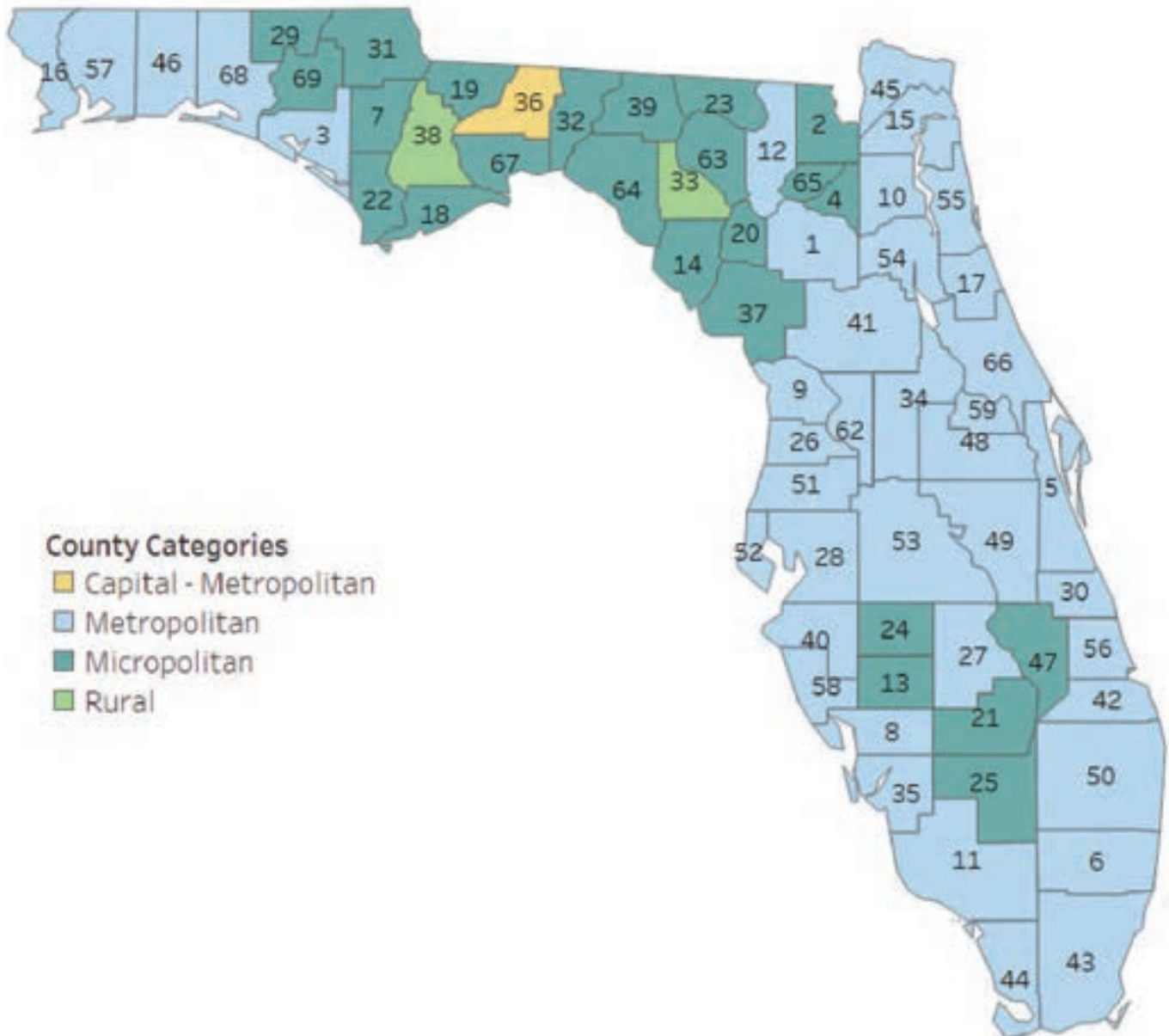


Figure A14. Florida Pension Benefit Dollars as Share of County GDP

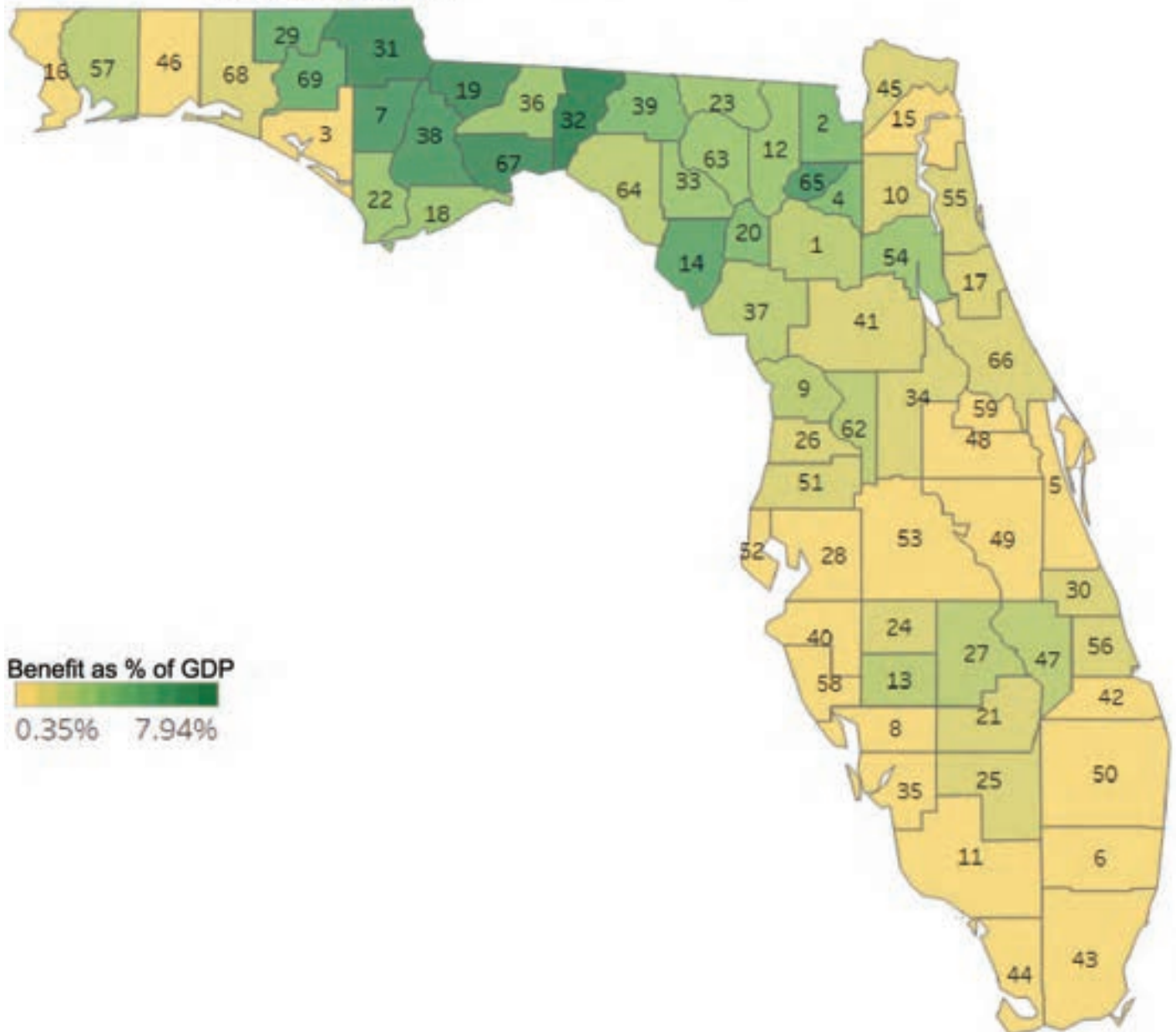
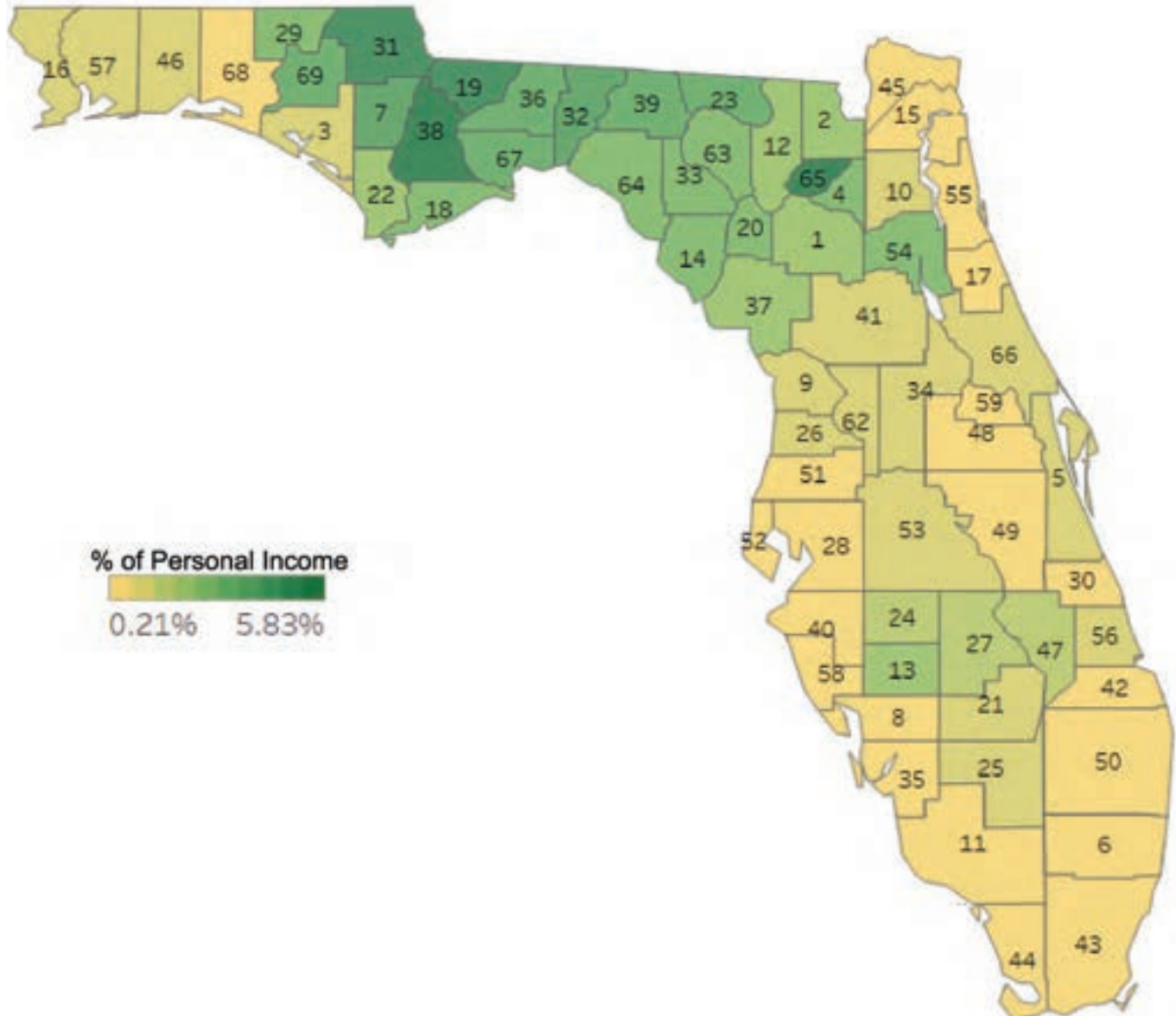


Figure A15. Florida Pension Benefit Dollars as Share of County Total Personal Income



Overview

In Florida, we received data from the Florida Retirement System.

GEORGIA

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 0.2%
- Metropolitan: 1.1%
- Micropolitan: 2.7%
- Rural: 3.4%

Total average percent of GDP in the state: 1.1%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 0.4%
- Metropolitan: 1.1%
- Micropolitan: 2.2%
- Rural: 2.7%

Total average percent of TPI in the state: 1.1%

Table A6. Georgia County Data

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Appling	Micropolitan	\$16,061,852.95	1.13%	2.61%	6.25%
2	Atkinson	Rural	\$5,047,004.80	2.13%	1.99%	9.04%
3	Bacon	Micropolitan	\$7,225,697.84	2.02%	1.95%	10.71%
4	Baker	Rural	\$1,595,954.45	1.82%	1.33%	-24.10%
5	Baldwin	Micropolitan	\$92,132,809.62	7.45%	6.19%	0.28%
6	Banks	Micropolitan	\$7,830,487.28	1.81%	1.14%	31.66%
7	Barrow	Metropolitan	\$33,059,607.88	1.75%	1.11%	75.12%
8	Bartow	Metropolitan	\$53,231,998.56	1.18%	1.31%	39.98%
9	Ben Hill	Micropolitan	\$13,446,469.64	2.79%	2.55%	-3.99%
10	Berrien	Micropolitan	\$12,527,334.59	3.53%	2.06%	18.58%
11	Bibb	Metropolitan	\$103,802,418.39	1.30%	1.63%	-0.51%
12	Bleckley	Micropolitan	\$12,904,026.89	5.55%	2.99%	10.05%
13	Brantley	Micropolitan	\$7,874,226.09	3.28%	1.52%	29.17%
14	Brooks	Micropolitan	\$9,095,431.54	3.17%	1.68%	-5.70%
15	Bryan	Micropolitan	\$17,288,955.74	2.14%	0.86%	62.74%
16	Bulloch	Metropolitan	\$60,106,388.28	2.81%	2.40%	38.07%
17	Burke	Micropolitan	\$11,959,709.07	0.48%	1.50%	0.81%
18	Butts	Micropolitan	\$13,192,824.85	2.35%	1.59%	23.93%
19	Calhoun	Rural	\$6,232,928.62	5.00%	3.98%	0.51%
20	Camden	Metropolitan	\$18,205,257.05	0.98%	0.94%	22.93%
21	Candler	Micropolitan	\$7,670,037.63	3.15%	2.26%	13.15%
22	Carroll	Metropolitan	\$84,136,400.84	2.11%	1.85%	35.35%
23	Catoosa	Metropolitan	\$21,425,866.67	1.57%	0.90%	26.53%
24	Charlton	Micropolitan	\$4,753,950.59	2.46%	1.47%	26.12%
25	Chatham	Metropolitan	\$133,724,059.62	0.79%	0.97%	24.63%
26	Chattahoochee	Micropolitan	\$1,679,711.62	0.12%	0.51%	-28.21%
27	Chattooga	Micropolitan	\$16,845,098.64	3.07%	2.20%	-2.67%
28	Cherokee	Metropolitan	\$105,205,198.39	1.70%	0.81%	79.10%
29	Clarke	Metropolitan	\$158,925,154.08	2.31%	3.67%	25.46%
30	Clay	Rural	\$3,016,425.86	3.81%	3.31%	-14.00%
31	Clayton	Metropolitan	\$75,841,136.99	0.45%	0.93%	22.45%
32	Clinch	Rural	\$6,063,083.21	2.46%	2.43%	-3.34%
33	Cobb	Metropolitan	\$285,633,074.45	0.63%	0.66%	24.54%
34	Coffee	Micropolitan	\$26,000,668.73	1.87%	1.85%	15.18%

Table A6. **Georgia County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
35	Colquitt	Micropolitan	\$30,497,304.09	2.34%	2.06%	8.42%
36	Columbia	Metropolitan	\$109,564,286.82	3.33%	1.44%	72.80%
37	Cook	Micropolitan	\$9,973,587.07	2.72%	1.79%	8.82%
38	Coweta	Metropolitan	\$72,902,096.56	1.97%	1.08%	63.50%
39	Crawford	Micropolitan	\$3,107,850.27	1.88%	0.75%	-1.42%
40	Crisp	Micropolitan	\$17,498,296.47	2.45%	2.38%	2.75%
41	Dade	Micropolitan	\$4,921,385.44	1.31%	0.85%	7.07%
42	Dawson	Micropolitan	\$17,441,795.59	2.14%	1.54%	56.78%
43	Decatur	Micropolitan	\$18,203,051.03	2.21%	1.89%	-5.90%
44	DeKalb	Metropolitan	\$377,831,836.28	1.01%	0.98%	13.62%
45	Dodge	Micropolitan	\$17,797,896.63	4.13%	2.80%	8.00%
46	Dooly	Micropolitan	\$7,909,620.99	2.53%	2.04%	18.92%
47	Dougherty	Metropolitan	\$79,750,364.26	1.90%	2.52%	-5.02%
48	Douglas	Metropolitan	\$52,976,420.14	1.38%	1.03%	57.67%
49	Early	Micropolitan	\$9,922,241.51	1.79%	2.49%	-17.06%
50	Echols	Rural	\$479,978.37	0.98%	0.43%	6.55%
51	Effingham	Metropolitan	\$20,740,059.41	1.16%	0.80%	65.69%
52	Elbert	Micropolitan	\$13,286,548.35	2.30%	1.96%	-6.78%
53	Emanuel	Micropolitan	\$22,327,174.72	3.58%	3.07%	3.55%
54	Evans	Micropolitan	\$10,107,462.28	2.90%	2.68%	2.15%
55	Fannin	Micropolitan	\$19,787,615.46	3.29%	2.13%	31.14%
56	Fayette	Metropolitan	\$94,057,808.69	2.18%	1.31%	24.32%
57	Floyd	Metropolitan	\$79,498,630.69	2.10%	2.11%	8.13%
58	Forsyth	Metropolitan	\$54,241,011.21	0.63%	0.37%	140.44%
59	Franklin	Micropolitan	\$20,098,139.14	2.23%	2.38%	13.50%
60	Fulton (Capital)	Metropolitan	\$373,451,471.24	0.25%	0.42%	28.69%
61	Gilmer	Micropolitan	\$21,612,415.88	2.61%	1.98%	31.38%
62	Glascok	Rural	\$2,141,881.11	4.84%	2.11%	17.18%
63	Glynn	Metropolitan	\$67,461,982.71	1.91%	1.72%	26.12%
64	Gordon	Metropolitan	\$27,441,005.84	1.27%	1.29%	30.79%
65	Grady	Micropolitan	\$14,461,686.97	2.15%	1.67%	4.60%
66	Greene	Micropolitan	\$17,140,309.33	2.79%	1.75%	22.85%
67	Gwinnett	Metropolitan	\$236,070,870.75	0.53%	0.61%	57.67%
68	Habersham	Micropolitan	\$38,705,678.09	2.78%	2.51%	26.42%
69	Hall	Metropolitan	\$107,654,387.81	1.23%	1.22%	45.14%

Table A6. **Georgia County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
70	Hancock	Rural	\$12,515,385.47	7.78%	5.01%	-17.15%
71	Haralson	Micropolitan	\$20,015,693.33	2.81%	1.86%	14.96%
72	Harris	Micropolitan	\$28,430,308.12	6.32%	1.74%	45.49%
73	Hart	Micropolitan	\$15,805,525.32	1.80%	1.59%	13.49%
74	Heard	Micropolitan	\$4,447,546.74	0.39%	1.20%	7.87%
75	Henry	Metropolitan	\$97,771,972.19	1.79%	1.08%	92.91%
76	Houston	Metropolitan	\$68,541,891.64	1.13%	1.03%	40.36%
77	Irwin	Rural	\$5,249,224.13	2.89%	1.70%	-5.37%
78	Jackson	Metropolitan	\$53,393,918.05	2.02%	1.80%	69.33%
79	Jasper	Micropolitan	\$11,440,691.57	4.79%	2.01%	22.88%
80	Jeff Davis	Micropolitan	\$7,665,500.07	1.93%	1.70%	18.49%
81	Jefferson	Micropolitan	\$12,443,486.27	2.42%	2.37%	-10.63%
82	Jenkins	Rural	\$6,593,318.24	4.85%	2.60%	1.26%
83	Johnson	Rural	\$7,689,671.64	5.64%	3.02%	13.41%
84	Jones	Micropolitan	\$17,230,719.31	4.43%	1.60%	21.05%
85	Lamar	Micropolitan	\$14,101,248.73	3.56%	2.24%	19.41%
86	Lanier	Micropolitan	\$3,787,261.79	2.45%	1.33%	42.80%
87	Laurens	Micropolitan	\$43,723,175.80	2.38%	2.47%	5.46%
88	Lee	Micropolitan	\$17,524,779.92	3.21%	1.25%	20.22%
89	Liberty	Metropolitan	\$16,590,878.69	0.52%	0.75%	-0.18%
90	Lincoln	Rural	\$8,733,344.85	6.64%	2.96%	-5.19%
91	Long	Micropolitan	\$4,134,217.97	3.42%	0.80%	84.38%
92	Lowndes	Metropolitan	\$76,598,546.79	1.68%	1.76%	26.28%
93	Lumpkin	Micropolitan	\$21,856,133.77	3.14%	1.77%	56.81%
94	Macon	Micropolitan	\$8,516,465.19	1.99%	2.09%	-6.62%
95	Madison	Micropolitan	\$28,200,692.86	5.85%	2.60%	15.24%
96	Marion	Rural	\$5,341,403.79	4.16%	2.18%	16.90%
97	McDuffie	Micropolitan	\$17,410,583.51	2.79%	2.19%	1.41%
98	McIntosh	Micropolitan	\$10,660,322.96	5.51%	2.52%	32.20%
99	Meriwether	Micropolitan	\$18,595,592.41	3.82%	2.53%	-6.51%
100	Miller	Rural	\$5,374,343.55	3.14%	2.32%	-10.92%
101	Mitchell	Micropolitan	\$15,551,110.36	2.19%	2.00%	-7.27%
102	Monroe	Micropolitan	\$25,897,722.87	1.58%	2.10%	26.49%
103	Montgomery	Rural	\$12,973,459.20	9.15%	4.80%	11.16%
104	Morgan	Micropolitan	\$21,669,873.70	3.22%	2.27%	21.97%

Table A6. **Georgia County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
105	Murray	Micropolitan	\$17,490,182.50	1.40%	1.46%	9.35%
106	Muscogee	Metropolitan	\$114,088,585.93	1.17%	1.33%	4.22%
107	Newton	Metropolitan	\$45,699,235.71	1.89%	1.24%	76.68%
108	Oconee	Micropolitan	\$65,285,535.14	5.20%	2.49%	49.75%
109	Oglethorpe	Micropolitan	\$12,382,954.06	3.73%	2.18%	19.15%
110	Paulding	Metropolitan	\$33,156,538.69	1.45%	0.54%	100.84%
111	Peach	Micropolitan	\$27,515,016.29	2.93%	2.65%	15.33%
112	Pickens	Micropolitan	\$32,442,608.87	3.49%	2.12%	39.15%
113	Pierce	Micropolitan	\$13,536,534.32	3.64%	1.94%	24.00%
114	Pike	Micropolitan	\$14,755,380.37	5.29%	1.99%	36.13%
115	Polk	Micropolitan	\$28,442,482.73	2.41%	2.07%	11.39%
116	Pulaski	Micropolitan	\$8,028,629.67	3.03%	2.39%	15.45%
117	Putnam	Micropolitan	\$21,276,199.79	4.77%	2.33%	15.93%
118	Quitman	Rural	\$1,606,664.22	3.27%	2.28%	-12.28%
119	Rabun	Micropolitan	\$16,818,214.77	3.61%	2.42%	12.07%
120	Randolph	Rural	\$5,106,860.32	1.41%	2.25%	-12.30%
121	Richmond	Metropolitan	\$132,272,866.99	1.14%	1.72%	0.89%
122	Rockdale	Metropolitan	\$47,890,852.18	1.41%	1.50%	29.22%
123	Schley	Rural	\$3,060,802.37	2.74%	1.89%	39.03%
124	Screven	Micropolitan	\$11,202,898.87	3.39%	2.30%	-9.34%
125	Seminole	Rural	\$7,859,604.43	3.17%	2.35%	-11.25%
126	Spalding	Metropolitan	\$47,763,336.72	2.47%	2.08%	13.15%
127	Stephens	Micropolitan	\$21,541,883.82	2.55%	2.13%	2.36%
128	Stewart	Rural	\$3,943,825.99	3.00%	2.79%	18.03%
129	Sumter	Micropolitan	\$28,900,367.53	2.85%	2.71%	-10.44%
130	Talbot	Rural	\$3,257,221.14	2.39%	1.51%	-3.48%
131	Taliaferro	Rural	\$1,324,023.56	3.24%	2.43%	-22.58%
132	Tattnall	Micropolitan	\$22,821,031.78	3.81%	3.16%	13.84%
133	Taylor	Rural	\$7,509,920.15	3.82%	3.10%	-8.80%
134	Telfair	Micropolitan	\$10,121,399.15	2.53%	3.05%	34.61%
135	Terrell	Rural	\$6,518,047.52	2.67%	1.88%	-21.50%
136	Thomas	Micropolitan	\$43,963,256.93	2.14%	2.23%	4.00%
137	Tift	Micropolitan	\$45,698,622.80	2.65%	2.98%	5.63%
138	Toombs	Micropolitan	\$20,121,519.06	2.21%	2.11%	3.15%
139	Towns	Micropolitan	\$13,951,404.55	4.79%	3.11%	27.18%

Table A6. **Georgia County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
140	Treutlen	Rural	\$6,184,334.71	5.18%	3.02%	-0.66%
141	Troup	Metropolitan	\$40,510,773.41	1.10%	1.59%	19.15%
142	Turner	Rural	\$8,480,978.63	4.45%	3.12%	-16.75%
143	Twiggs	Rural	\$11,197,571.90	4.16%	3.46%	-22.68%
144	Union	Micropolitan	\$22,325,450.59	3.51%	2.54%	38.82%
145	Upson	Micropolitan	\$25,164,299.53	3.97%	2.73%	-5.01%
146	Walker	Metropolitan	\$29,962,506.67	2.17%	1.32%	13.69%
147	Walton	Metropolitan	\$62,605,305.06	2.72%	1.65%	54.07%
148	Ware	Micropolitan	\$32,977,460.54	2.63%	2.73%	0.56%
149	Warren	Rural	\$3,631,637.29	1.91%	2.00%	-17.12%
150	Washington	Micropolitan	\$20,349,312.17	3.50%	2.83%	-3.73%
151	Wayne	Micropolitan	\$22,432,526.13	3.13%	2.36%	12.21%
152	Webster	Rural	\$1,591,542.73	2.34%	1.84%	9.25%
153	Wheeler	Rural	\$6,216,471.42	4.92%	4.02%	27.51%
154	White	Micropolitan	\$28,608,577.47	4.39%	2.73%	50.27%
155	Whitfield	Metropolitan	\$46,411,763.16	0.83%	1.15%	24.59%
156	Wilcox	Rural	\$8,397,787.39	5.68%	3.57%	2.74%
157	Wilkes	Rural	\$9,642,731.57	3.22%	2.47%	-7.59%
158	Wilkinson	Rural	\$8,699,411.72	1.85%	2.73%	-11.59%
159	Worth	Micropolitan	\$12,198,939.34	3.64%	1.75%	-7.59%

Figure A16. Georgia County Type

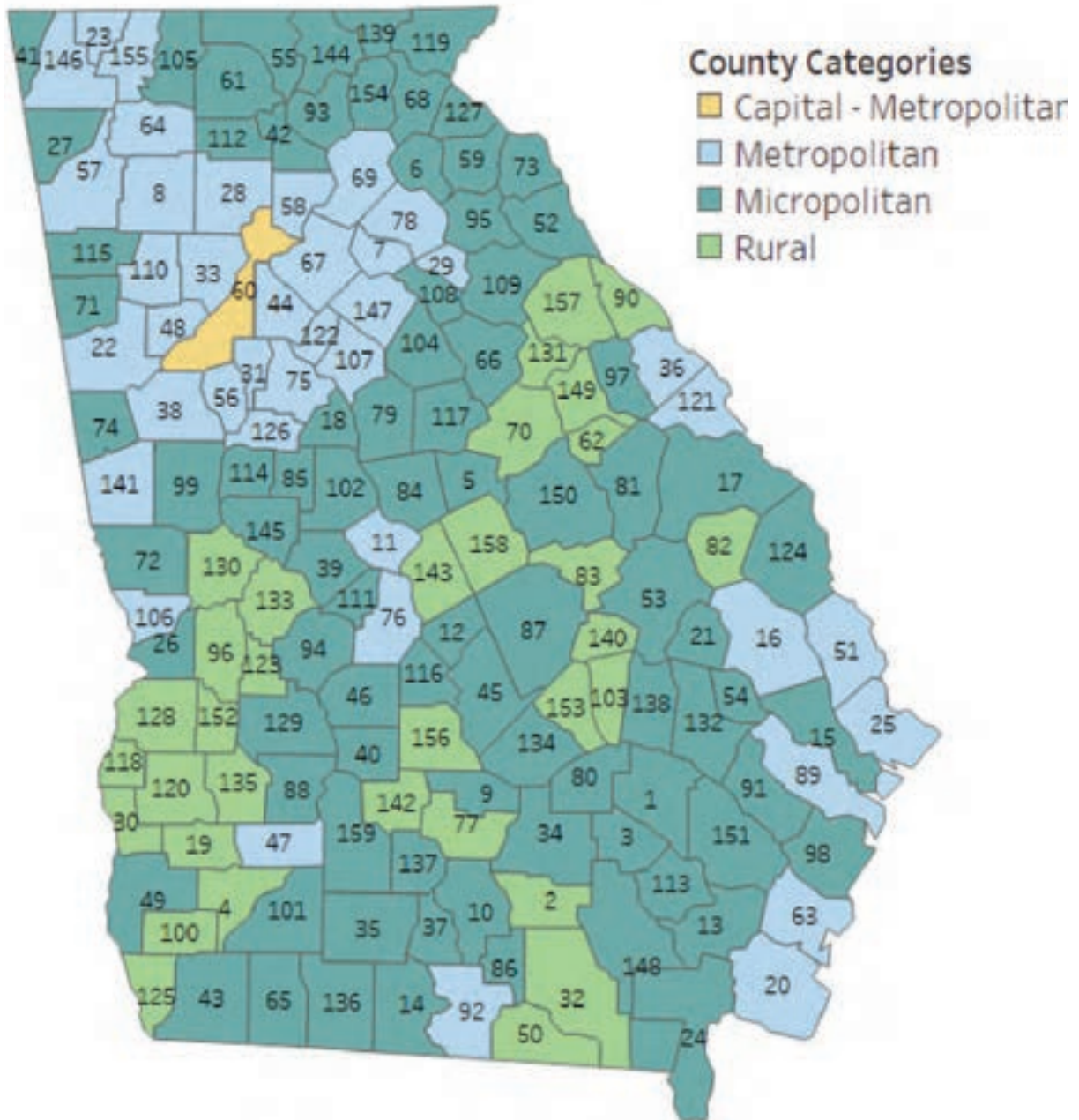


Figure A17. Georgia Pension Benefit Dollars as Share of County GDP

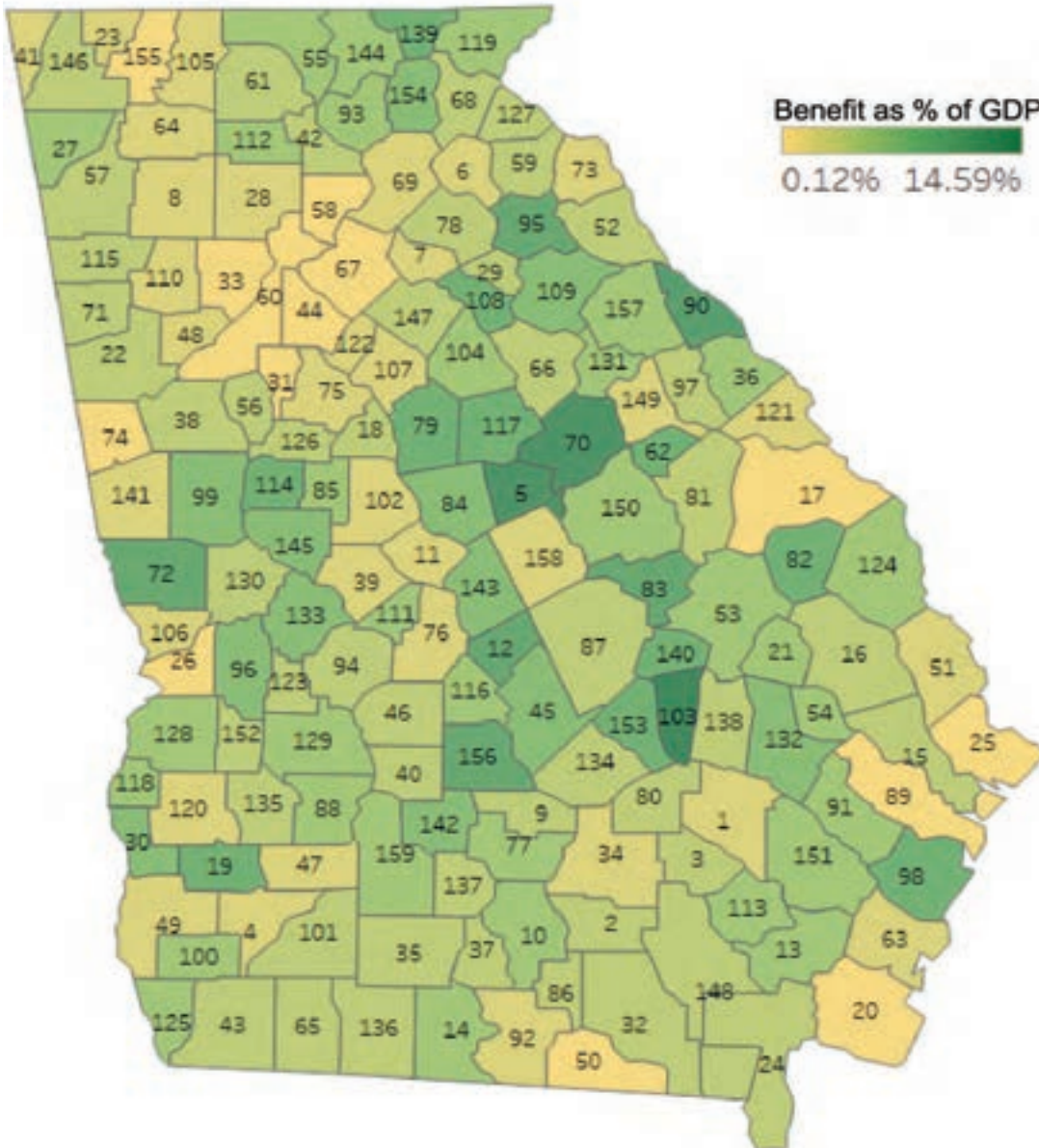
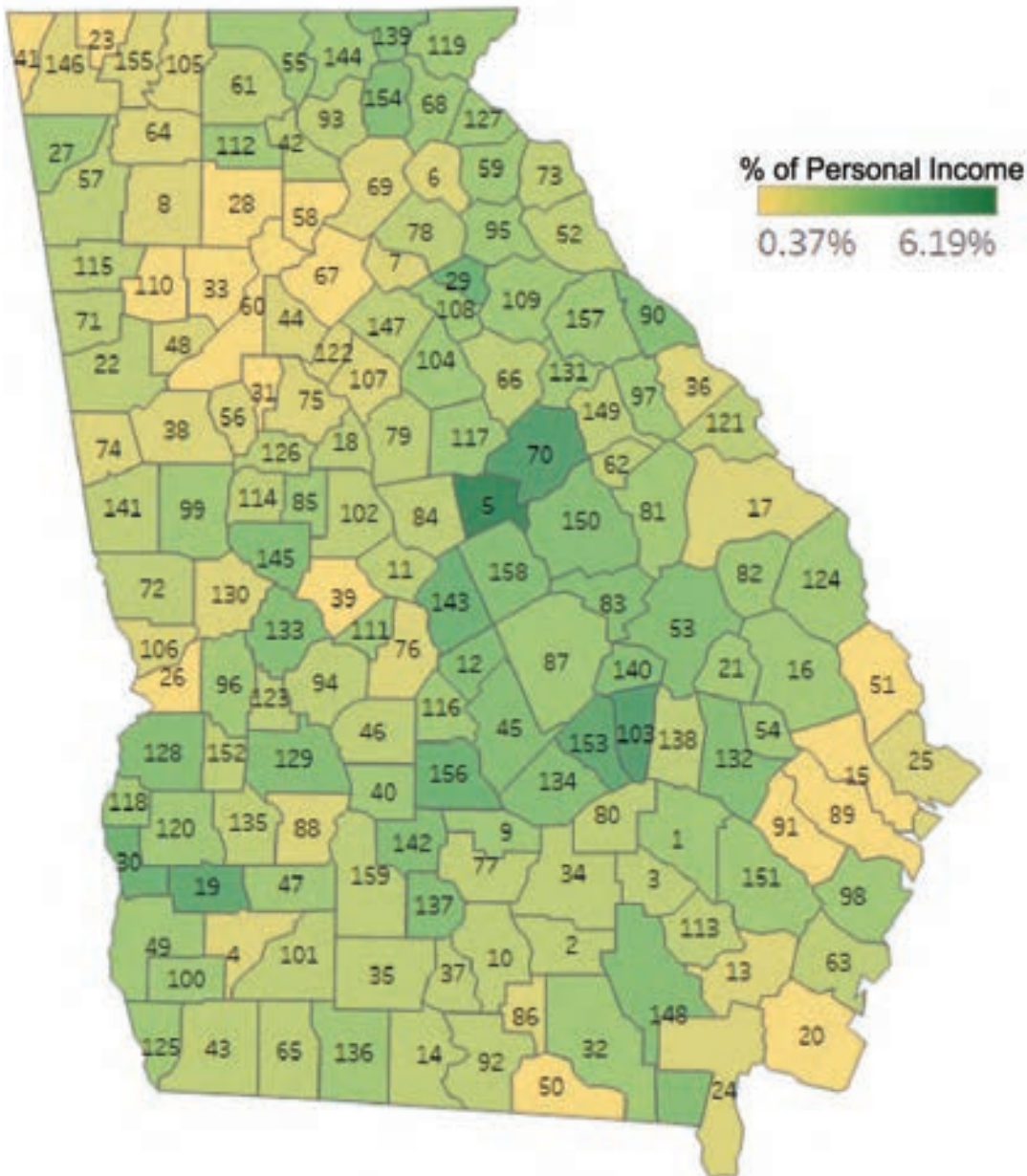


Figure A18. Georgia Pension Benefit Dollars as Share of County Total Personal Income



Overview

In Georgia, we received data from the Employees Retirement System of Georgia, the Public School Employees Retirement System, the Judicial Retirement System, the Legislative Retirement System, the Georgia Military Pension Fund, and the Teachers Retirement System of Georgia.

HAWAII

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 1.4%
- Metropolitan: 1.8%
- Micropolitan: -%
- Rural: -%

Total average percent of GDP in the state: 1.5%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 1.5%
- Metropolitan: 1.9%
- Micropolitan: -%
- Rural: -%

Total average percent of TPI in the state: 1.6%

Table A7. Hawaii County Data

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Hawaii	Metropolitan	\$201,492,547.83	2.48%	2.36%	35.18%
2	Honolulu (Capital)	Metropolitan	\$884,626,726.83	1.45%	1.51%	11.86%
3	Kauai	Metropolitan	\$70,893,809.66	1.74%	1.99%	23.38%
4	Maui	Metropolitan	\$121,265,176.33	1.30%	1.48%	30.60%

Figure A19. Hawaii County Type

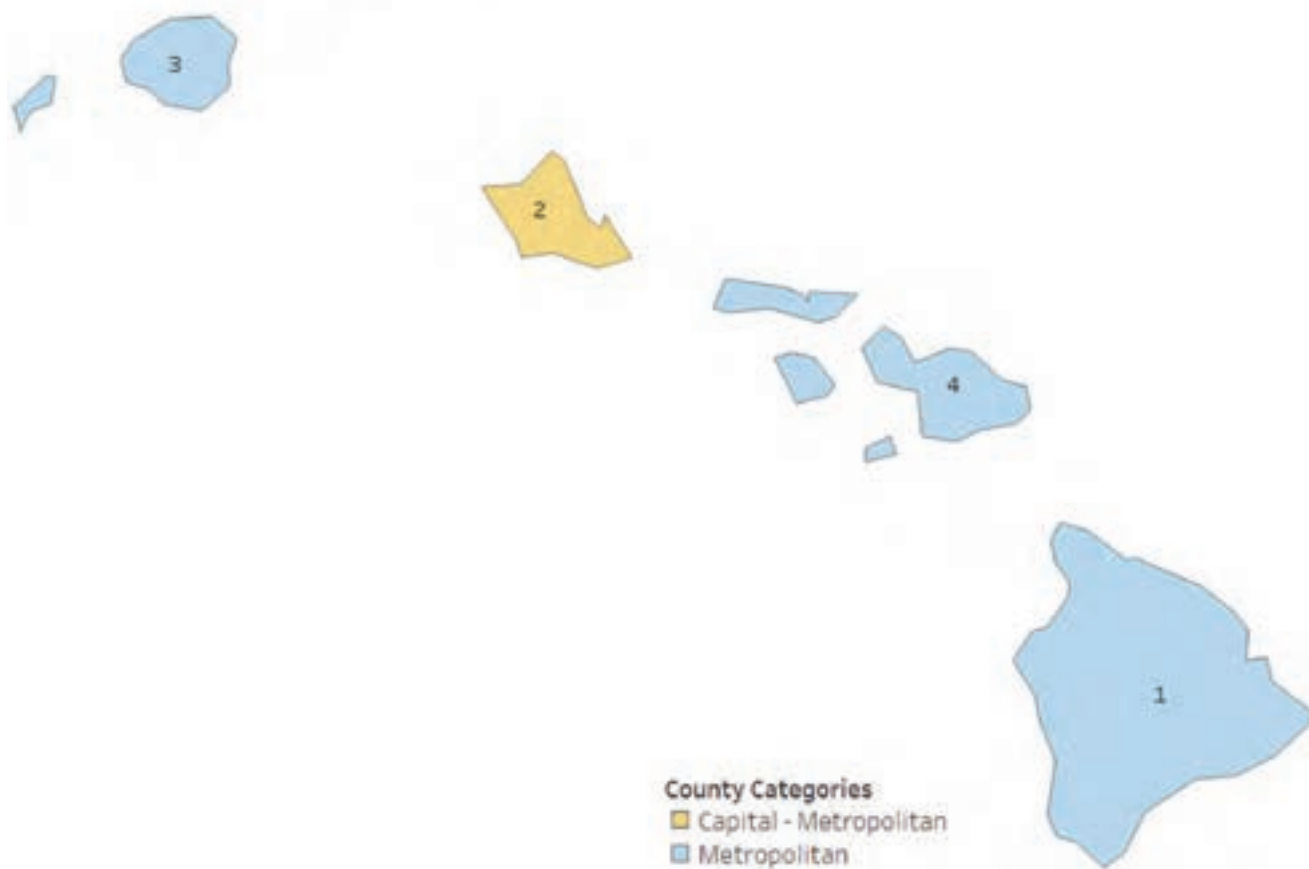


Figure A20. Hawaii Pension Benefit Dollars as Share of County GDP



Figure A21. Hawaii Pension Benefit Dollars as Share of County Total Personal Income



Overview

In Hawaii, we received data from the Employees' Retirement System of the State of Hawaii.

IDAHO

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 1.0%
- Metropolitan: 1.2%
- Micropolitan: 1.2%
- Rural: 1.2%

Total average percent of GDP in the state: 1.1%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 1.0%
- Metropolitan: 1.0%
- Micropolitan: 1.1%
- Rural: 1.5%

Total average percent of TPI in the state: 1.0%

Table A8. Idaho County Data

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Ada (Capital)	Metropolitan	\$242,167,099.39	0.98%	0.97%	56.18%
2	Adams	Rural	\$2,960,618.90	2.30%	1.86%	22.27%
3	Bannock	Metropolitan	\$55,698,339.15	2.03%	1.68%	15.32%
4	BearLake	Rural	\$3,387,184.78	1.97%	1.45%	-5.63%
5	Benewah	Rural	\$4,102,276.98	1.38%	1.19%	0.60%
6	Bingham	Micropolitan	\$21,097,159.59	1.58%	1.26%	10.78%
7	Blaine	Micropolitan	\$8,280,984.10	0.59%	0.32%	19.01%
8	Boise	Rural	\$4,138,185.14	1.86%	1.25%	14.45%
9	Bonner	Micropolitan	\$14,157,650.69	1.06%	0.77%	21.43%
10	Bonneville	Metropolitan	\$47,420,238.59	0.97%	0.84%	41.60%
11	Boundary	Micropolitan	\$4,113,680.09	1.22%	0.93%	21.04%
12	Butte	Rural	\$1,151,917.78	0.12%	1.13%	-9.93%
13	Camas	Rural	\$825,405.87	1.52%	1.90%	13.72%
14	Canyon	Metropolitan	\$72,619,124.63	1.35%	0.99%	70.04%
15	Caribou	Rural	\$3,692,050.75	0.86%	1.34%	-3.34%
16	Cassia	Micropolitan	\$10,996,149.62	0.67%	1.02%	11.43%
17	Clark	Rural	\$552,186.84	1.33%	1.64%	-16.63%
18	Clearwater	Rural	\$6,677,992.77	2.05%	2.21%	-1.93%
19	Custer	Rural	\$2,382,462.54	1.34%	1.29%	-1.43%
20	Elmore	Micropolitan	\$11,030,366.68	0.95%	1.10%	-6.42%
21	Franklin	Micropolitan	\$4,503,019.47	1.35%	0.91%	21.16%
22	Fremont	Micropolitan	\$7,508,452.54	1.86%	1.54%	11.41%
23	Gem	Micropolitan	\$9,840,500.24	3.08%	1.48%	16.16%
24	Gooding	Micropolitan	\$7,508,065.38	0.59%	0.93%	7.35%
25	Idaho	Micropolitan	\$6,999,591.42	1.44%	1.21%	6.46%
26	Jefferson	Micropolitan	\$10,797,139.56	1.92%	1.05%	53.69%
27	Jerome	Micropolitan	\$7,107,463.83	0.52%	0.78%	30.93%
28	Kootenai	Metropolitan	\$56,276,533.90	1.02%	0.77%	48.60%
29	Latah	Micropolitan	\$28,561,265.95	2.30%	1.72%	14.88%
30	Lemhi	Rural	\$4,577,818.79	1.97%	1.38%	1.99%
31	Lewis	Rural	\$3,094,338.60	1.98%	1.70%	3.04%
32	Lincoln	Rural	\$2,447,590.13	0.86%	1.31%	32.54%

Table A8. **Idaho County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
33	Madison	Micropolitan	\$9,806,749.13	0.88%	0.94%	43.10%
34	Minidoka	Micropolitan	\$7,977,693.03	1.08%	1.00%	3.23%
35	NezPerce	Micropolitan	\$25,017,818.42	1.32%	1.39%	8.01%
36	Oneida	Rural	\$2,150,152.30	1.94%	1.36%	8.80%
37	Owyhee	Micropolitan	\$3,357,495.35	0.88%	0.86%	9.86%
38	Payette	Micropolitan	\$7,891,159.62	1.01%	0.86%	14.45%
39	Power	Rural	\$3,997,247.42	0.95%	1.40%	3.05%
40	Shoshone	Micropolitan	\$7,919,628.95	1.70%	1.74%	-7.08%
41	Teton	Micropolitan	\$2,106,822.61	0.68%	0.45%	94.03%
42	TwinFalls	Metropolitan	\$34,306,693.70	1.03%	1.01%	33.91%
43	Valley	Micropolitan	\$11,197,235.20	2.46%	2.04%	44.31%
44	Washington	Micropolitan	\$6,567,718.32	1.62%	1.78%	1.84%

Figure A22. Idaho County Type

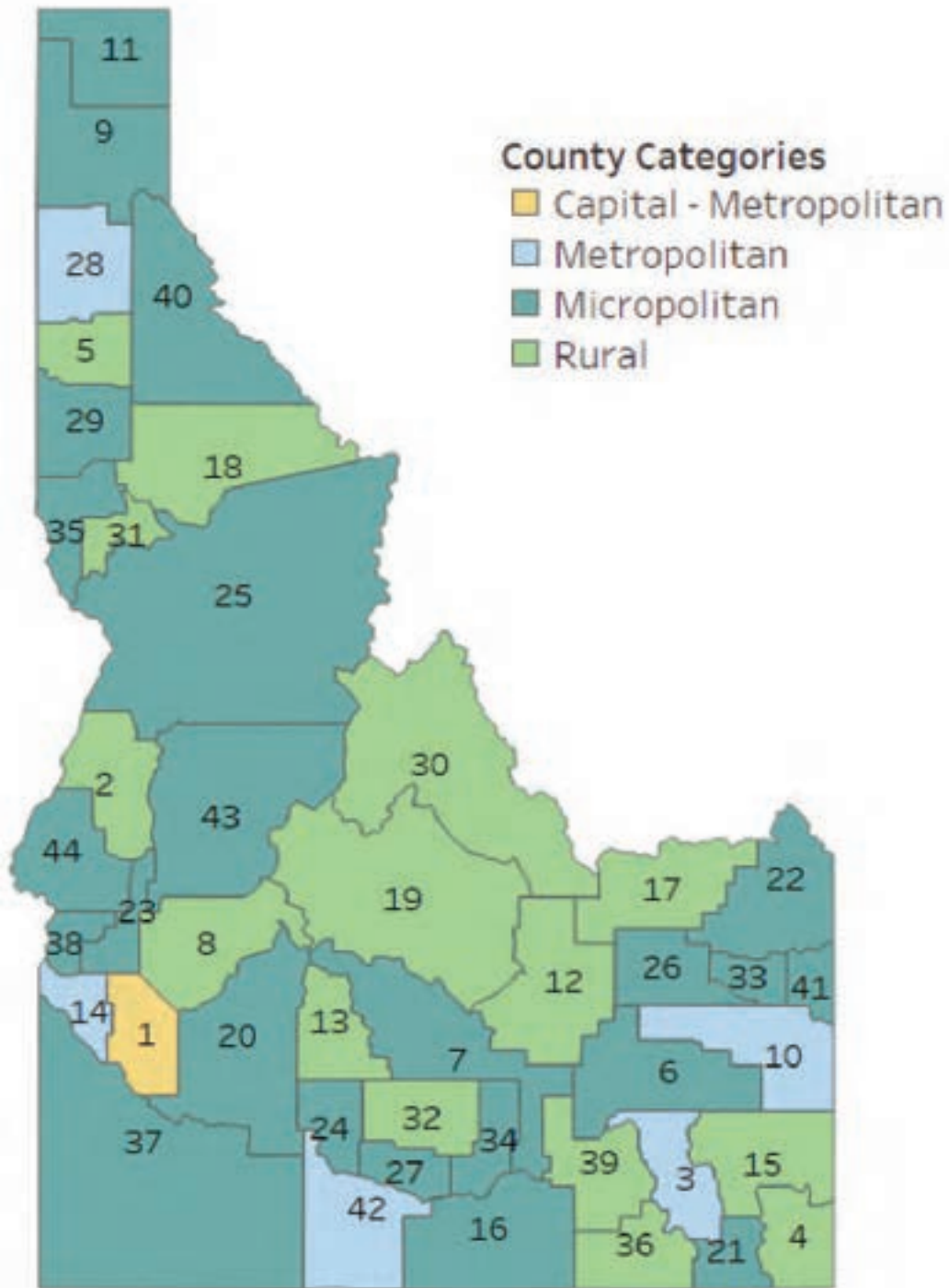


Figure A23. Idaho Pension Benefit Dollars as Share of County GDP

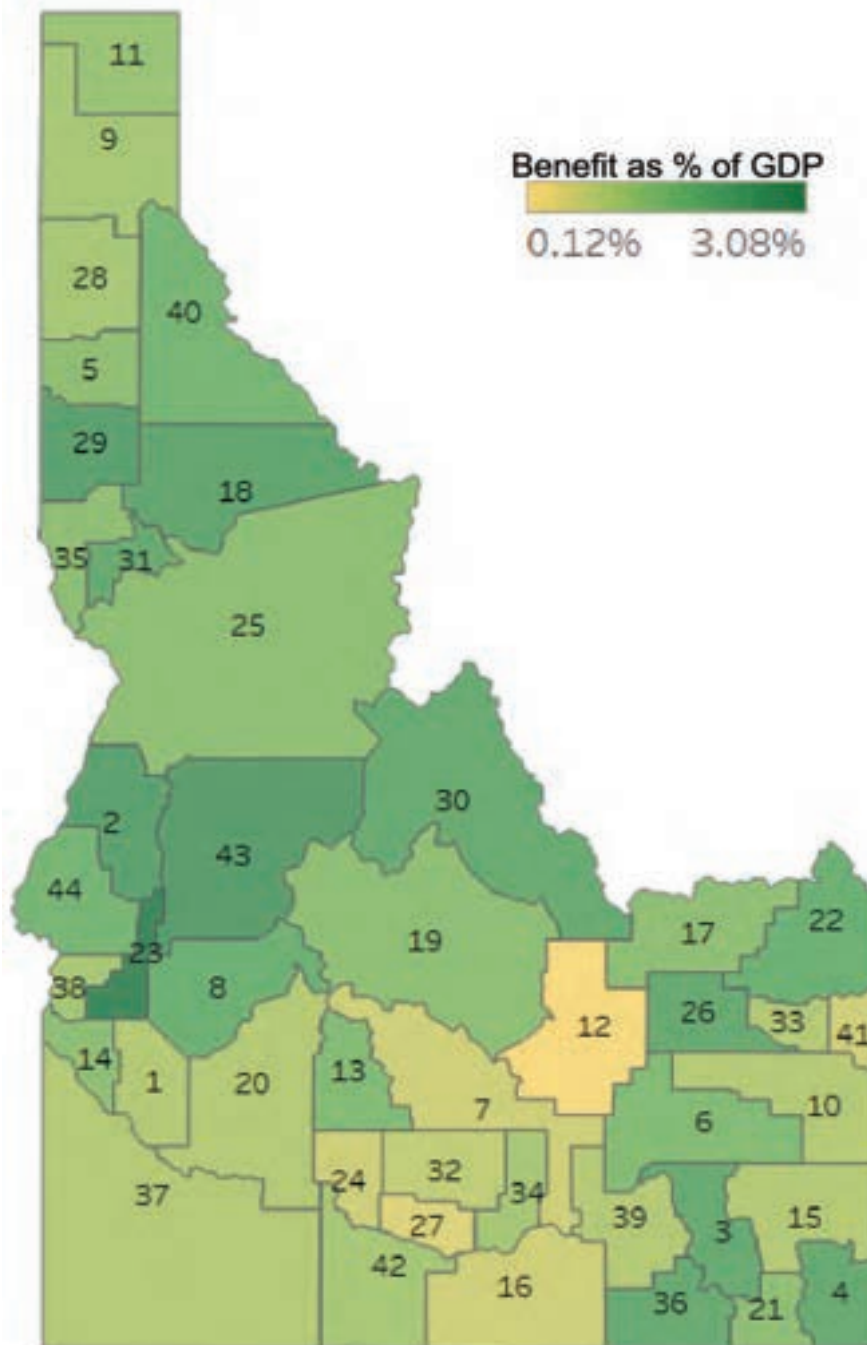
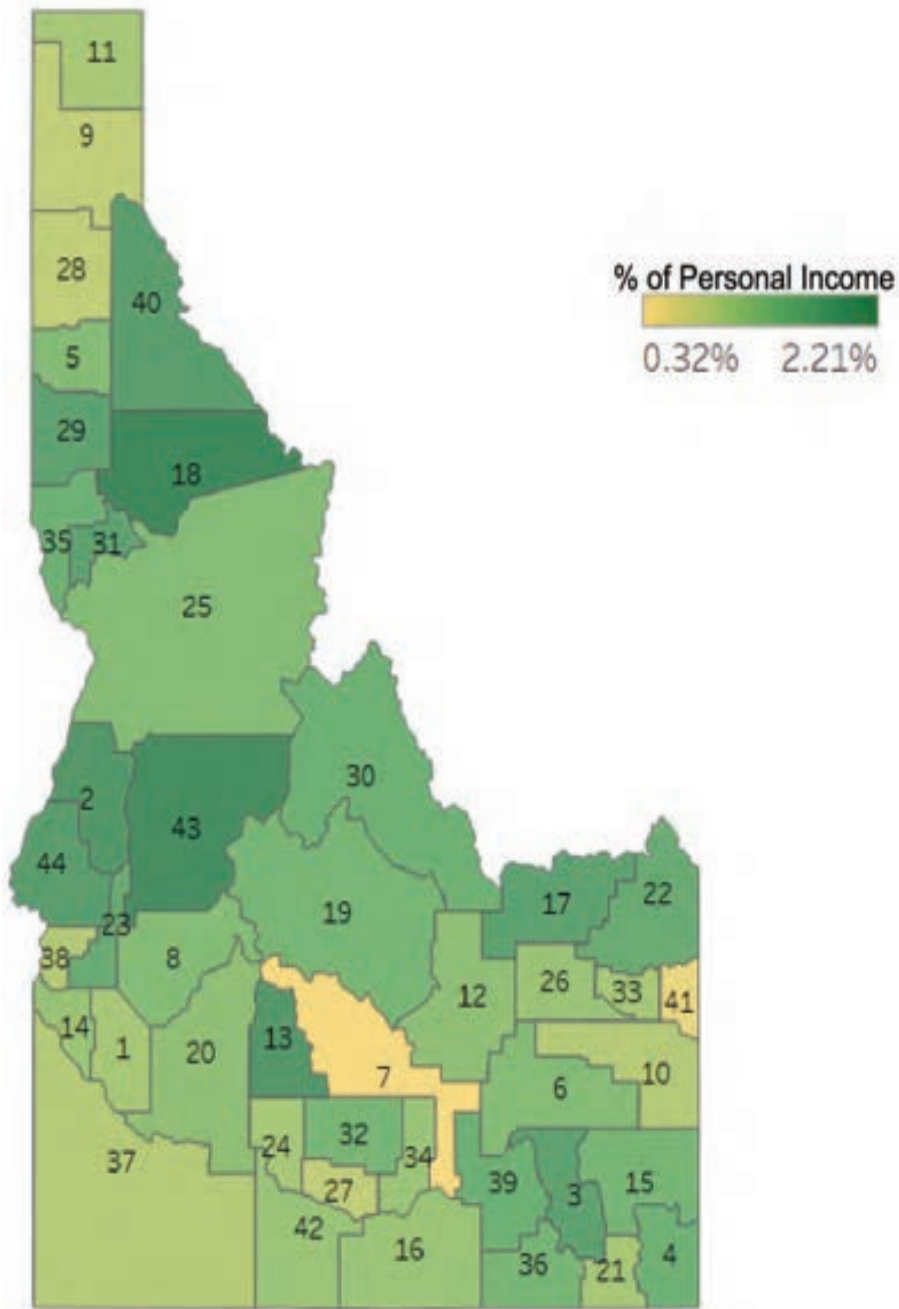


Figure A24. Idaho Pension Benefit Dollars as Share of County Total Personal Income



Overview

In Idaho, we received data from the Public Employee Retirement System of Idaho.

ILLINOIS

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 2.4%
- Metropolitan: 1.1%
- Micropolitan: 2.4%
- Rural: 1.9%

Total average percent of GDP in the state: 1.2%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 2.6%
- Metropolitan: 1.2%
- Micropolitan: 2.2%
- Rural: 2.0%

Total average percent of TPI in the state: 1.3%

Table A9. Illinois County Data

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Adams	Metropolitan	\$51,631,844.11	1.57%	1.68%	-3.79%
2	Alexander	Rural	\$5,332,275.07	2.95%	2.53%	-36.81%
3	Bond	Micropolitan	\$14,458,042.56	2.60%	2.31%	-5.69%
4	Boone	Metropolitan	\$38,657,267.14	2.26%	1.52%	28.22%
5	Brown	Rural	\$3,768,374.32	0.93%	1.63%	-5.67%
6	Bureau	Micropolitan	\$34,143,797.32	2.84%	2.36%	-7.07%
7	Calhoun	Rural	\$2,521,179.32	2.31%	1.24%	-5.55%
8	Carroll	Micropolitan	\$16,885,685.79	3.64%	2.78%	-14.17%
9	Cass	Micropolitan	\$9,302,760.54	1.46%	1.78%	-10.48%
10	Champaign	Metropolitan	\$437,942,328.78	4.23%	4.60%	16.87%
11	Christian	Micropolitan	\$29,005,703.37	2.15%	2.13%	-7.66%
12	Clark	Micropolitan	\$15,189,940.69	2.50%	2.26%	-8.30%
13	Clay	Micropolitan	\$13,543,018.59	2.30%	2.53%	-8.98%
14	Clinton	Micropolitan	\$26,167,191.03	2.16%	1.44%	5.92%
15	Coles	Metropolitan	\$89,583,829.49	3.89%	4.29%	-4.34%
16	Cook	Metropolitan	\$2,163,539,188.68	0.60%	0.67%	-3.65%
17	Crawford	Micropolitan	\$15,601,108.51	0.49%	1.72%	-8.04%
18	Cumberland	Micropolitan	\$11,910,792.50	3.46%	2.52%	-3.95%
19	DeKalb	Metropolitan	\$152,983,619.66	4.23%	3.59%	17.06%
20	DeWitt	Micropolitan	\$14,245,505.60	1.26%	1.91%	-6.13%
21	Douglas	Micropolitan	\$23,789,123.28	2.37%	2.37%	-2.22%
22	DuPage	Metropolitan	\$804,279,001.86	0.97%	1.19%	2.70%
23	Edgar	Micropolitan	\$14,877,248.53	1.97%	2.03%	-11.90%
24	Edwards	Rural	\$4,582,285.87	1.64%	1.78%	-8.31%
25	Effingham	Micropolitan	\$30,809,867.42	1.51%	1.78%	-0.16%
26	Fayette	Micropolitan	\$14,175,551.32	2.37%	1.87%	-1.77%
27	Ford	Micropolitan	\$14,140,960.86	1.79%	2.02%	-6.86%
28	Franklin	Micropolitan	\$39,775,491.44	3.19%	2.75%	-0.81%
29	Fulton	Micropolitan	\$34,044,578.31	3.71%	2.55%	-8.90%
30	Gallatin	Rural	\$4,032,412.68	1.46%	1.79%	-21.52%
31	Greene	Micropolitan	\$8,745,966.72	2.32%	1.82%	-11.63%
32	Grundy	Metropolitan	\$42,991,720.12	1.37%	1.63%	35.80%

Table A9. Illinois County Data (continued)

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
33	Hamilton	Rural	\$8,317,447.72	1.81%	2.35%	-5.31%
34	Hancock	Micropolitan	\$15,600,251.28	2.28%	1.90%	-11.32%
35	Hardin	Rural	\$3,233,683.06	3.06%	2.23%	-18.54%
36	Henderson	Rural	\$4,337,276.33	2.16%	1.54%	-18.31%
37	Henry	Micropolitan	\$48,759,116.05	3.39%	2.20%	-3.78%
38	Iroquois	Micropolitan	\$24,724,971.34	2.34%	2.07%	-11.90%
39	Jackson	Metropolitan	\$126,346,447.01	4.50%	5.90%	-3.68%
40	Jasper	Rural	\$9,915,505.20	1.74%	2.24%	-5.00%
41	Jefferson	Micropolitan	\$31,837,408.58	1.88%	2.13%	-5.56%
42	Jersey	Micropolitan	\$19,706,374.20	3.92%	2.17%	0.83%
43	JoDaviess	Micropolitan	\$28,723,993.92	3.51%	2.74%	-4.14%
44	Johnson	Micropolitan	\$15,841,474.53	6.98%	3.54%	-3.28%
45	Kane	Metropolitan	\$436,342,713.25	2.00%	1.59%	32.19%
46	Kankakee	Metropolitan	\$90,829,250.51	2.08%	2.00%	5.96%
47	Kendall	Metropolitan	\$79,397,347.09	2.73%	1.27%	134.52%
48	Knox	Metropolitan	\$47,745,112.15	2.73%	2.41%	-10.25%
49	Lake	Metropolitan	\$561,767,726.24	0.93%	1.02%	8.76%
50	LaSalle	Metropolitan	\$96,693,987.61	1.79%	1.98%	-1.86%
51	Lawrence	Micropolitan	\$10,232,005.14	2.00%	2.17%	2.03%
52	Lee	Micropolitan	\$32,088,211.87	2.13%	2.24%	-5.10%
53	Livingston	Micropolitan	\$32,777,741.99	1.87%	2.05%	-9.87%
54	Logan	Micropolitan	\$21,289,532.13	1.92%	1.92%	-7.24%
55	Macon	Metropolitan	\$89,467,671.53	1.37%	1.77%	-8.71%
56	Macoupin	Micropolitan	\$39,235,305.73	3.37%	2.08%	-7.56%
57	Madison	Metropolitan	\$247,367,299.44	2.19%	1.99%	2.13%
58	Marion	Micropolitan	\$39,026,196.23	2.84%	2.41%	-9.76%
59	Marshall	Micropolitan	\$10,351,727.10	2.56%	1.95%	-12.49%
60	Mason	Micropolitan	\$12,952,848.56	2.24%	2.25%	-15.42%
61	Massac	Micropolitan	\$11,448,096.39	1.66%	2.12%	-7.13%
62	McDonough	Micropolitan	\$70,299,700.99	6.11%	6.07%	-8.99%
63	McHenry	Metropolitan	\$284,245,468.10	2.78%	1.65%	18.65%
64	McLean	Metropolitan	\$201,843,080.03	1.71%	2.37%	14.89%
65	Menard	Micropolitan	\$15,978,474.69	5.53%	2.75%	-1.59%
66	Mercer	Micropolitan	\$15,806,247.97	3.91%	2.25%	-8.00%
67	Monroe	Micropolitan	\$24,518,353.11	2.66%	1.22%	24.32%
68	Montgomery	Micropolitan	\$24,733,283.08	1.87%	2.29%	-6.69%
69	Morgan	Micropolitan	\$35,169,632.06	2.43%	2.50%	-7.21%

Table A9. Illinois County Data (continued)

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
70	Moultrie	Micropolitan	\$12,788,553.83	1.85%	1.39%	3.01%
71	Ogle	Metropolitan	\$59,657,735.98	2.19%	2.51%	-0.21%
72	Peoria	Metropolitan	\$152,802,566.68	1.27%	1.65%	-1.53%
73	Perry	Micropolitan	\$16,718,602.14	2.35%	2.06%	-8.31%
74	Piatt	Micropolitan	\$31,044,315.81	6.50%	3.49%	0.19%
75	Pike	Micropolitan	\$14,837,835.53	2.38%	2.22%	-10.20%
76	Pope	Rural	\$3,468,896.15	3.60%	2.72%	-4.55%
77	Pulaski	Rural	\$5,661,701.80	2.40%	2.87%	-25.65%
78	Putnam	Rural	\$5,421,536.74	1.60%	1.60%	-5.69%
79	Randolph	Micropolitan	\$22,511,827.72	1.53%	1.90%	-5.27%
80	Richland	Micropolitan	\$15,677,757.24	1.63%	2.34%	-2.39%
81	Rock Island	Metropolitan	\$124,918,279.66	1.19%	1.94%	-3.95%
82	Saline	Micropolitan	\$25,858,849.59	3.04%	2.73%	-10.57%
83	Sangamon (Capital)	Metropolitan	\$251,182,044.21	2.38%	2.63%	3.39%
84	Schuyler	Rural	\$7,435,573.92	2.60%	2.44%	-3.92%
85	Scott	Rural	\$4,033,538.46	2.12%	1.92%	-11.03%
86	Shelby	Micropolitan	\$19,588,249.13	2.42%	2.17%	-5.03%
87	St. Clair	Metropolitan	\$183,040,663.38	1.71%	1.56%	1.94%
88	Stark	Rural	\$4,538,119.07	2.00%	1.95%	-14.29%
89	Stephenson	Micropolitan	\$40,864,030.68	2.12%	2.14%	-8.63%
90	Tazewell	Metropolitan	\$115,309,685.84	1.41%	1.82%	2.99%
91	Union	Micropolitan	\$25,010,323.57	5.58%	3.47%	-7.94%
92	Vermilion	Metropolitan	\$70,784,331.05	2.15%	2.33%	-8.48%
93	Wabash	Micropolitan	\$11,386,169.01	3.03%	2.26%	-10.73%
94	Warren	Micropolitan	\$16,003,253.46	2.13%	2.28%	-9.09%
95	Washington	Micropolitan	\$12,815,068.78	1.26%	1.79%	-7.61%
96	Wayne	Micropolitan	\$13,776,257.60	2.12%	2.05%	-4.78%
97	White	Micropolitan	\$15,308,318.22	2.67%	2.26%	-11.10%
98	Whiteside	Metropolitan	\$53,327,125.96	2.55%	2.18%	-8.29%
99	Will	Metropolitan	\$516,113,689.41	1.83%	1.41%	37.84%
100	Williamson	Metropolitan	\$86,618,449.21	3.10%	2.90%	9.40%
101	Winnebago	Metropolitan	\$230,574,122.47	1.76%	1.86%	2.03%
102	Woodford	Micropolitan	\$34,395,748.04	2.98%	1.69%	8.44%

Figure A25. Illinois County Type

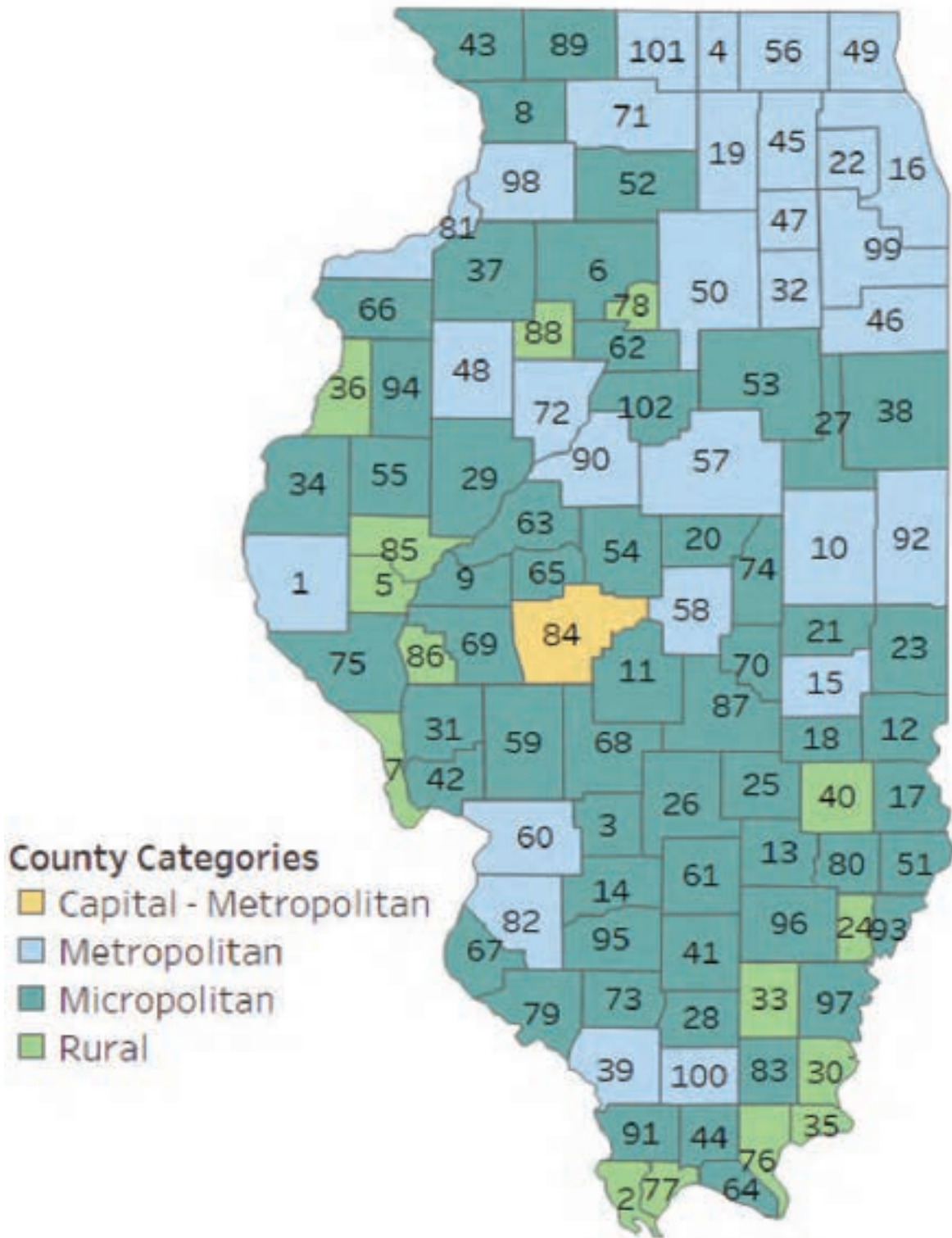
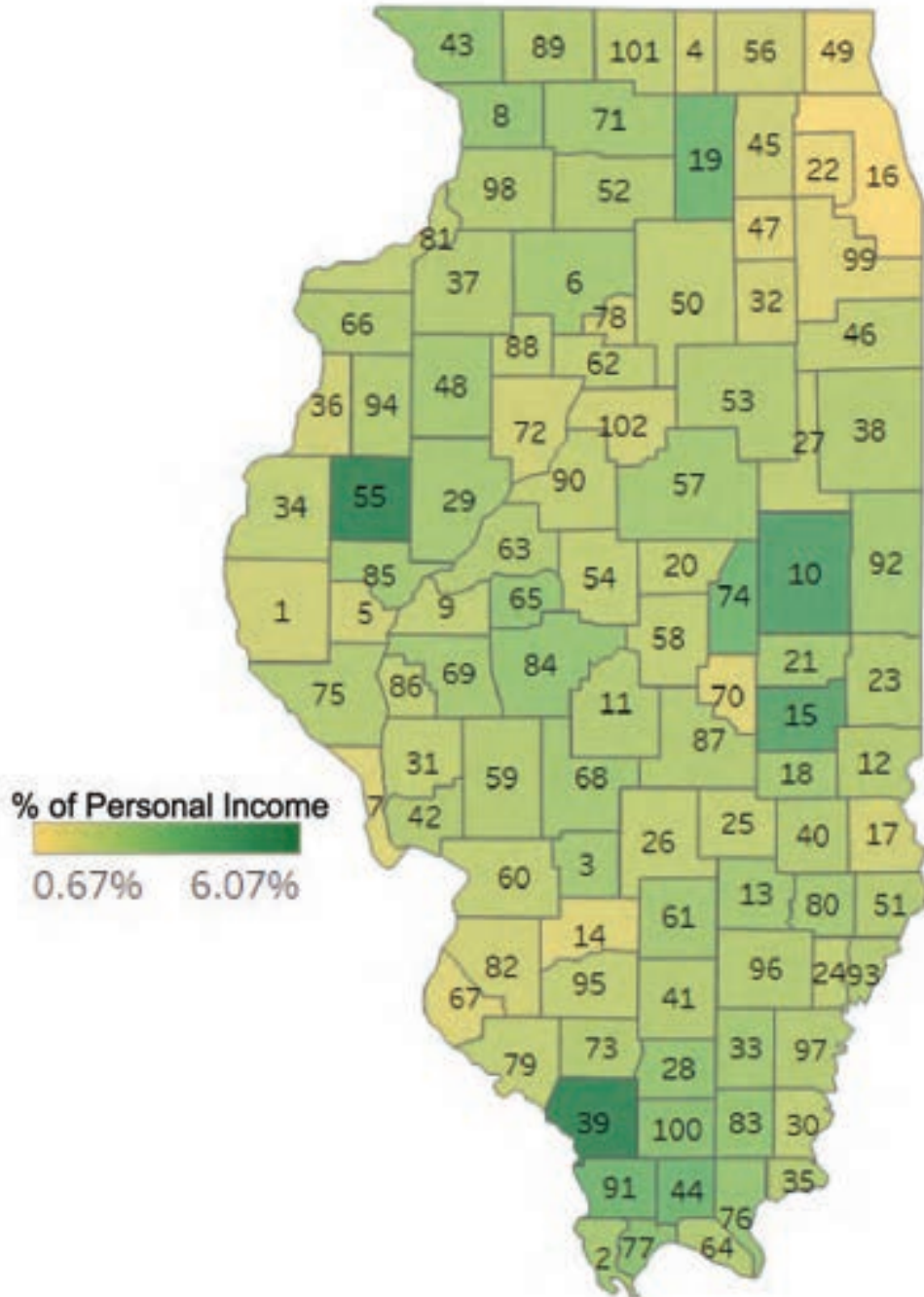


Figure A27. Illinois Pension Benefit Dollars as Share of County Total Personal Income



Overview

In Illinois, we received data from the following plans: Teachers' Retirement System of Illinois, Illinois Municipal Retirement Fund, Illinois State Universities Retirement System, Chicago Public School Teachers Pension and Retirement Fund, Municipal Employees' Annuity and Benefit Fund of Chicago, and The Laborers' and Retirement Board Employees' Annuity and Benefit Fund of Chicago.

INDIANA

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 0.3%
- Metropolitan: 0.6%
- Micropolitan: 0.8%
- Rural: 1.0%

Total average percent of GDP in the state: 0.5%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 0.5%
- Metropolitan: 0.5%
- Micropolitan: 0.7%
- Rural: 0.7%

Total average percent of TPI in the state: 0.6%

Table A10. Indiana County Data

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Adams	Micropolitan	\$7,258,129.71	0.51%	0.52%	5.98%
2	Allen	Metropolitan	\$79,981,061.10	0.41%	0.46%	13.11%
3	Bartholomew	Metropolitan	\$21,213,740.22	0.33%	0.51%	15.84%
4	Benton	Rural	\$3,347,295.12	0.79%	0.90%	-8.15%
5	Blackford	Micropolitan	\$3,762,332.51	1.28%	0.84%	-15.08%
6	Boone	Metropolitan	\$14,841,053.91	0.33%	0.30%	45.31%
7	Brown	Micropolitan	\$4,074,418.88	1.68%	0.57%	1.85%
8	Carroll	Micropolitan	\$4,921,159.03	0.74%	0.55%	-0.19%
9	Cass	Micropolitan	\$13,804,425.35	1.10%	0.94%	-7.27%
10	Clark	Metropolitan	\$24,580,795.01	0.56%	0.48%	21.65%
11	Clay	Micropolitan	\$10,057,124.91	1.57%	1.00%	-1.45%
12	Clinton	Micropolitan	\$9,323,548.33	0.85%	0.74%	-4.77%
13	Crawford	Micropolitan	\$3,343,439.68	1.77%	0.95%	-1.72%
14	Daviess	Micropolitan	\$7,432,254.41	0.64%	0.53%	11.16%
15	Dearborn	Micropolitan	\$8,314,063.61	0.55%	0.35%	7.50%
16	Decatur	Micropolitan	\$6,954,458.95	0.49%	0.61%	9.12%
17	DeKalb	Micropolitan	\$9,424,319.10	0.38%	0.49%	7.30%
18	Delaware	Metropolitan	\$48,431,820.29	1.25%	1.13%	-3.37%
19	Dubois	Micropolitan	\$12,010,629.90	0.46%	0.50%	7.29%
20	Elkhart	Metropolitan	\$38,989,602.31	0.32%	0.41%	12.46%
21	Fayette	Micropolitan	\$7,401,819.48	1.27%	0.78%	-9.93%
22	Floyd	Metropolitan	\$18,439,417.28	0.71%	0.43%	9.82%
23	Fountain	Micropolitan	\$5,102,089.85	0.95%	0.76%	-8.93%
24	Franklin	Micropolitan	\$3,782,577.20	0.76%	0.36%	2.64%
25	Fulton	Micropolitan	\$6,246,937.51	1.00%	0.75%	-2.04%
26	Gibson	Micropolitan	\$8,373,541.78	0.29%	0.55%	2.93%
27	Grant	Metropolitan	\$17,639,309.32	0.41%	0.66%	-10.17%
28	Greene	Micropolitan	\$10,214,343.60	1.64%	0.80%	-3.47%
29	Hamilton	Metropolitan	\$74,675,847.77	0.46%	0.30%	80.63%
30	Hancock	Metropolitan	\$24,668,590.21	1.13%	0.64%	37.84%
31	Harrison	Micropolitan	\$8,175,009.27	0.92%	0.48%	17.55%
32	Hendricks	Metropolitan	\$47,494,564.76	0.79%	0.57%	60.44%
33	Henry	Micropolitan	\$18,558,488.81	1.64%	1.00%	-0.49%
34	Howard	Metropolitan	\$21,316,910.78	0.41%	0.62%	-3.06%

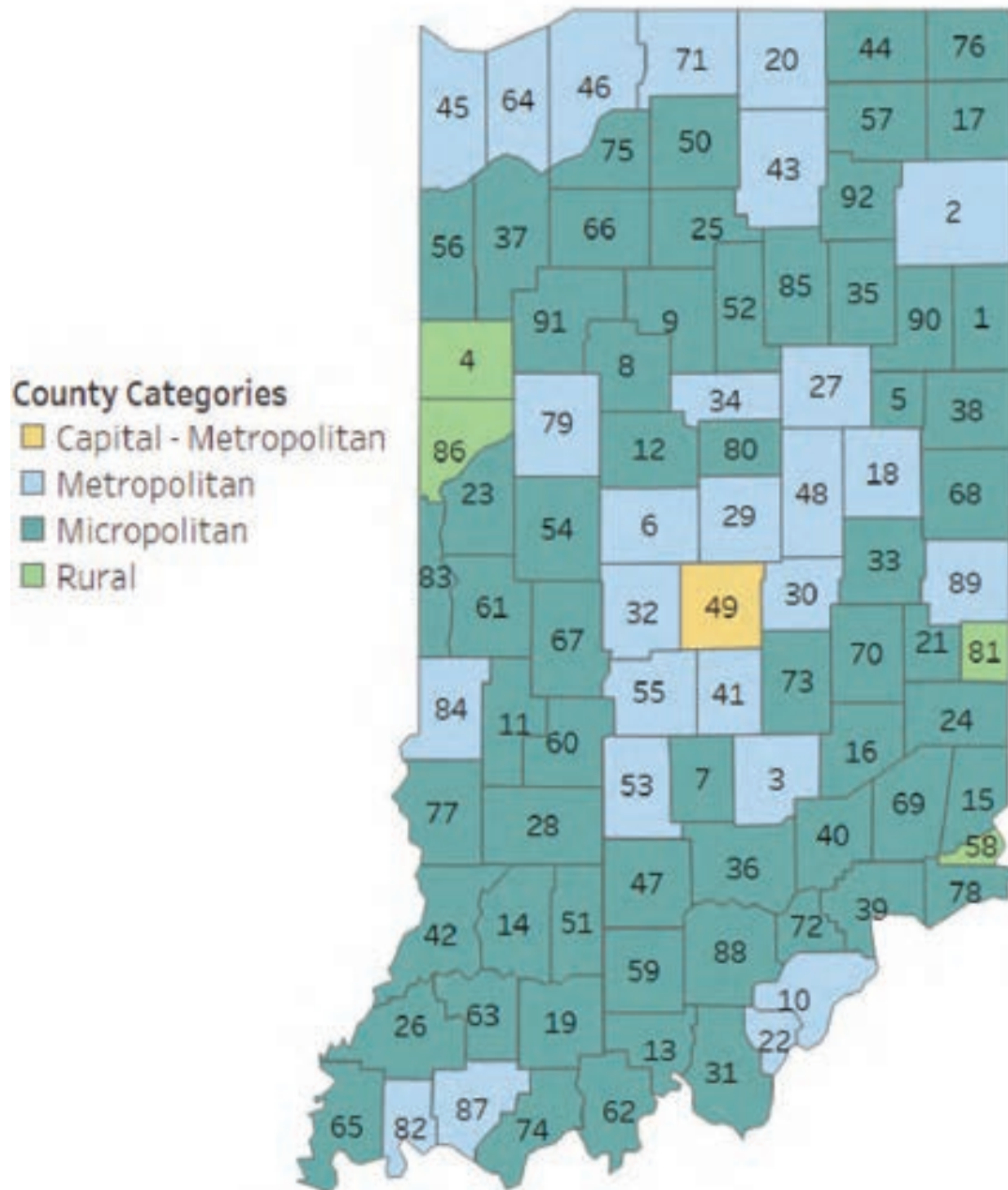
Table A10. **Indiana County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
35	Huntington	Micropolitan	\$11,871,073.69	0.92%	0.77%	-4.82%
36	Jackson	Micropolitan	\$11,018,788.21	0.44%	0.58%	6.72%
37	Jasper	Micropolitan	\$7,115,534.95	0.54%	0.49%	11.07%
38	Jay	Micropolitan	\$6,421,145.67	0.67%	0.79%	-4.78%
39	Jefferson	Micropolitan	\$13,748,222.78	1.00%	1.02%	1.59%
40	Jennings	Micropolitan	\$9,093,531.37	1.37%	0.85%	0.21%
41	Johnson	Metropolitan	\$46,603,877.61	1.03%	0.62%	35.60%
42	Knox	Micropolitan	\$14,910,386.61	0.80%	0.91%	-6.01%
43	Kosciusko	Metropolitan	\$19,149,277.78	0.42%	0.50%	7.14%
44	Lagrange	Micropolitan	\$6,338,470.22	0.43%	0.38%	12.66%
45	Lake	Metropolitan	\$122,121,378.66	0.54%	0.56%	-0.03%
46	LaPorte	Metropolitan	\$32,725,237.33	0.83%	0.70%	-0.09%
47	Lawrence	Micropolitan	\$12,829,609.87	0.94%	0.69%	-0.55%
48	Madison	Metropolitan	\$41,330,830.15	1.18%	0.84%	-2.79%
49	Marion (Capital)	Metropolitan	\$230,465,373.79	0.28%	0.46%	10.95%
50	Marshall	Micropolitan	\$13,470,199.31	0.85%	0.70%	2.48%
51	Martin	Micropolitan	\$2,384,284.19	0.23%	0.58%	-1.47%
52	Miami	Micropolitan	\$9,386,857.01	1.14%	0.75%	-1.43%
53	Monroe	Metropolitan	\$43,391,326.80	0.71%	0.70%	21.86%
54	Montgomery	Micropolitan	\$11,286,530.28	0.71%	0.73%	1.91%
55	Morgan	Metropolitan	\$25,570,993.00	1.65%	0.83%	5.14%
56	Newton	Micropolitan	\$2,725,056.20	0.78%	0.49%	-3.81%
57	Noble	Micropolitan	\$10,806,842.99	0.63%	0.57%	2.72%
58	Ohio	Rural	\$1,438,890.31	1.39%	0.60%	3.93%
59	Orange	Micropolitan	\$5,645,281.10	0.93%	0.76%	0.95%
60	Owen	Micropolitan	\$6,201,019.16	1.33%	0.74%	-4.32%
61	Parke	Micropolitan	\$4,966,741.98	1.60%	0.81%	-1.82%
62	Perry	Micropolitan	\$5,974,382.13	0.86%	0.83%	1.07%
63	Pike	Micropolitan	\$3,603,815.88	0.52%	0.71%	-3.33%
64	Porter	Metropolitan	\$44,647,810.60	0.70%	0.50%	15.53%
65	Posey	Micropolitan	\$5,824,179.67	0.38%	0.47%	-5.62%
66	Pulaski	Micropolitan	\$3,766,351.31	0.72%	0.69%	-9.35%
67	Putnam	Micropolitan	\$11,573,259.95	1.13%	0.82%	4.89%
68	Randolph	Micropolitan	\$8,635,495.34	1.18%	0.90%	-9.31%
69	Ripley	Micropolitan	\$8,803,392.48	0.71%	0.74%	7.54%

Table A10. **Indiana County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
70	Rush	Micropolitan	\$5,539,577.15	1.00%	0.71%	-8.75%
71	St. Joseph	Metropolitan	\$63,782,339.02	0.51%	0.49%	1.96%
72	Scott	Micropolitan	\$8,046,889.30	1.28%	0.90%	4.00%
73	Shelby	Micropolitan	\$11,631,283.53	0.57%	0.59%	2.64%
74	Spencer	Micropolitan	\$5,895,280.12	0.53%	0.66%	-0.31%
75	Starke	Micropolitan	\$4,963,076.97	1.09%	0.61%	-2.64%
76	Steuben	Micropolitan	\$11,147,121.92	0.82%	0.75%	4.13%
77	Sullivan	Micropolitan	\$6,519,789.44	0.74%	0.90%	-4.88%
78	Switzerland	Micropolitan	\$1,279,862.22	0.62%	0.39%	18.22%
79	Tippecanoe	Metropolitan	\$49,346,512.90	0.59%	0.65%	29.60%
80	Tipton	Micropolitan	\$3,794,585.06	0.59%	0.54%	-8.74%
81	Union	Rural	\$2,088,709.98	1.58%	0.76%	-4.25%
82	Vanderburgh	Metropolitan	\$47,476,854.58	0.45%	0.57%	5.27%
83	Vermillion	Micropolitan	\$4,316,131.39	0.57%	0.71%	-7.80%
84	Vigo	Metropolitan	\$32,556,573.22	0.72%	0.78%	1.45%
85	Wabash	Micropolitan	\$10,908,850.90	0.92%	0.80%	-10.53%
86	Warren	Rural	\$2,242,159.93	0.78%	0.60%	-1.85%
87	Warrick	Metropolitan	\$17,499,261.31	0.87%	0.50%	19.44%
88	Washington	Micropolitan	\$5,822,758.39	0.92%	0.55%	2.64%
89	Wayne	Metropolitan	\$22,854,638.60	0.86%	0.84%	-7.26%
90	Wells	Micropolitan	\$8,309,884.39	0.78%	0.69%	2.20%
91	White	Micropolitan	\$8,960,981.80	0.96%	0.85%	-4.49%
92	Whitley	Micropolitan	\$9,417,573.17	0.78%	0.62%	10.96%

Figure A28. Indiana County Type



IOWA

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 0.8%
- Metropolitan: 1.1%
- Micropolitan: 1.4%
- Rural: 1.6%

Total average percent of GDP in the state: 1.2%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 1.2%
- Metropolitan: 1.1%
- Micropolitan: 1.4%
- Rural: 1.6%

Total average percent of TPI in the state: 1.3%

Table A11. Iowa County Data

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Adair	Rural	\$5,926,370.09	1.83%	1.61%	-14.32%
2	Adams	Rural	\$3,126,517.86	1.05%	1.29%	-18.67%
3	Allamakee	Micropolitan	\$9,377,692.89	1.73%	1.48%	-5.74%
4	Appanoose	Micropolitan	\$8,981,912.09	2.58%	1.88%	-9.36%
5	Audubon	Rural	\$4,472,263.96	1.79%	1.68%	-19.39%
6	Benton	Micropolitan	\$16,029,473.75	2.16%	1.16%	1.32%
7	BlackHawk	Metropolitan	\$83,586,248.07	1.17%	1.41%	3.43%
8	Boone	Micropolitan	\$25,415,502.11	2.63%	1.94%	0.47%
9	Bremer	Micropolitan	\$19,269,165.68	1.85%	1.56%	6.95%
10	Buchanan	Micropolitan	\$16,694,422.71	2.78%	1.69%	0.50%
11	BuenaVista	Micropolitan	\$11,876,031.00	0.81%	1.20%	-2.63%
12	Butler	Micropolitan	\$10,544,071.61	1.43%	1.45%	-5.00%
13	Calhoun	Rural	\$8,805,478.82	1.80%	1.77%	-12.74%
14	Carroll	Micropolitan	\$10,910,686.15	0.82%	0.99%	-5.91%
15	Cass	Micropolitan	\$11,967,890.24	1.87%	1.92%	-11.94%
16	Cedar	Micropolitan	\$10,585,360.91	1.94%	1.07%	2.42%
17	CerroGordo	Micropolitan	\$32,316,753.76	1.37%	1.42%	-8.18%
18	Cherokee	Micropolitan	\$11,446,517.19	1.31%	1.61%	-13.15%
19	Chickasaw	Micropolitan	\$8,554,466.11	1.24%	1.23%	-8.64%
20	Clarke	Rural	\$6,324,442.78	1.50%	1.53%	3.18%
21	Clay	Micropolitan	\$12,562,018.39	1.30%	1.50%	-7.13%
22	Clayton	Micropolitan	\$13,293,437.44	1.60%	1.50%	-6.01%
23	Clinton	Micropolitan	\$26,416,249.45	1.25%	1.28%	-7.24%
24	Crawford	Micropolitan	\$8,897,734.69	1.21%	1.24%	1.27%
25	Dallas	Metropolitan	\$49,454,604.11	1.04%	0.83%	121.30%
26	Davis	Rural	\$6,743,772.43	3.05%	2.03%	5.57%
27	Decatur	Rural	\$4,729,811.38	2.11%	1.67%	-9.20%
28	Delaware	Micropolitan	\$12,703,811.07	1.50%	1.43%	-7.25%
29	DesMoines	Micropolitan	\$28,173,060.23	1.28%	1.43%	-7.59%
30	Dickinson	Micropolitan	\$18,790,368.04	2.21%	1.87%	4.44%
31	Dubuque	Metropolitan	\$51,699,890.11	1.00%	1.09%	8.65%
32	Emmet	Rural	\$6,660,667.52	1.83%	1.65%	-16.09%

Table A11. Iowa County Data (continued)

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
33	Fayette	Micropolitan	\$13,110,426.83	1.88%	1.51%	-10.67%
34	Floyd	Micropolitan	\$12,004,615.19	1.86%	1.64%	-6.74%
35	Franklin	Micropolitan	\$7,041,605.77	1.04%	1.34%	-5.42%
36	Fremont	Rural	\$5,462,428.92	2.26%	1.72%	-12.70%
37	Greene	Rural	\$8,411,444.24	2.01%	1.94%	-13.36%
38	Grundy	Micropolitan	\$9,144,962.50	1.43%	1.40%	-0.53%
39	Guthrie	Micropolitan	\$9,583,016.43	2.10%	1.70%	-5.58%
40	Hamilton	Micropolitan	\$13,442,344.07	1.67%	1.69%	-9.04%
41	Hancock	Micropolitan	\$6,415,417.29	0.85%	1.09%	-11.47%
42	Hardin	Micropolitan	\$15,323,240.53	1.53%	1.72%	-10.33%
43	Harrison	Micropolitan	\$7,421,273.14	1.64%	1.17%	-9.78%
44	Henry	Micropolitan	\$18,165,350.09	2.28%	2.09%	-1.32%
45	Howard	Rural	\$6,265,097.88	1.50%	1.41%	-7.50%
46	Humboldt	Rural	\$6,777,412.85	1.53%	1.41%	-8.03%
47	Ida	Rural	\$3,957,202.37	0.92%	1.10%	-12.71%
48	Iowa	Micropolitan	\$11,399,879.31	1.42%	1.28%	3.00%
49	Jackson	Micropolitan	\$11,907,394.46	2.00%	1.36%	-4.26%
50	Jasper	Micropolitan	\$25,696,197.59	2.43%	1.59%	-0.18%
51	Jefferson	Micropolitan	\$9,381,921.58	1.39%	1.21%	13.60%
52	Johnson	Metropolitan	\$65,778,533.09	0.78%	0.83%	36.26%
53	Jones	Micropolitan	\$16,821,217.72	3.02%	1.86%	2.59%
54	Keokuk	Micropolitan	\$6,233,022.38	1.85%	1.37%	-10.31%
55	Kossuth	Micropolitan	\$9,877,200.85	0.93%	1.25%	-13.14%
56	Lee	Micropolitan	\$26,437,840.62	1.67%	1.84%	-10.50%
57	Linn	Metropolitan	\$129,702,953.11	0.81%	1.09%	17.84%
58	Louisa	Micropolitan	\$6,002,935.53	1.09%	1.31%	-8.32%
59	Lucas	Rural	\$6,659,008.43	2.15%	1.83%	-8.25%
60	Lyon	Micropolitan	\$4,498,424.31	0.40%	0.63%	0.41%
61	Madison	Micropolitan	\$11,386,989.99	2.90%	1.42%	15.91%
62	Mahaska	Micropolitan	\$12,799,442.13	1.47%	1.32%	-1.50%
63	Marion	Micropolitan	\$17,807,099.09	1.15%	1.09%	4.23%
64	Marshall	Micropolitan	\$33,620,416.44	1.99%	1.93%	1.70%
65	Mills	Micropolitan	\$15,475,512.43	3.04%	1.81%	3.55%
66	Mitchell	Micropolitan	\$7,319,112.93	1.12%	1.09%	-2.80%
67	Monona	Rural	\$6,265,620.17	1.71%	1.50%	-13.38%
68	Monroe	Rural	\$5,417,376.52	1.28%	1.59%	-2.82%
69	Montgomery	Micropolitan	\$8,189,799.09	2.12%	1.94%	-15.02%

Table A11. Iowa County Data (continued)

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
70	Muscatine	Micropolitan	\$23,866,885.32	1.04%	1.17%	2.89%
71	O'Brien	Micropolitan	\$7,662,895.82	0.69%	0.93%	-8.36%
72	Osceola	Rural	\$2,937,104.66	0.59%	0.85%	-13.75%
73	Page	Micropolitan	\$13,680,339.36	2.57%	2.16%	-10.17%
74	PaloAlto	Rural	\$8,424,262.28	1.59%	1.78%	-12.00%
75	Plymouth	Micropolitan	\$15,376,952.63	0.99%	1.06%	0.99%
76	Pocahontas	Rural	\$5,456,132.27	1.01%	1.54%	-22.19%
77	Polk (Capital)	Metropolitan	\$300,191,351.17	0.82%	1.16%	30.06%
78	Pottawattamie	Metropolitan	\$49,276,356.58	1.06%	1.16%	6.65%
79	Poweshiek	Micropolitan	\$11,235,513.46	0.99%	1.28%	-0.62%
80	Ringgold	Rural	\$4,673,790.88	2.51%	2.06%	-9.16%
81	Sac	Rural	\$7,055,430.97	1.20%	1.28%	-15.70%
82	Scott	Metropolitan	\$91,296,661.38	1.11%	0.97%	9.21%
83	Shelby	Micropolitan	\$8,819,658.48	0.86%	1.50%	-12.11%
84	Sioux	Micropolitan	\$12,427,906.57	0.46%	0.64%	10.51%
85	Story	Metropolitan	\$69,225,353.97	1.44%	1.68%	22.66%
86	Tama	Micropolitan	\$12,325,135.10	2.25%	1.57%	-6.62%
87	Taylor	Rural	\$4,673,306.98	2.00%	1.82%	-11.02%
88	Union	Micropolitan	\$11,429,838.73	2.13%	2.28%	0.41%
89	VanBuren	Rural	\$6,823,841.27	3.05%	2.35%	-10.10%
90	Wapello	Micropolitan	\$23,672,399.97	1.45%	1.72%	-2.35%
91	Warren	Metropolitan	\$38,463,382.31	3.69%	1.49%	25.53%
92	Washington	Micropolitan	\$13,661,594.03	1.19%	1.07%	7.12%
93	Wayne	Rural	\$4,217,313.42	1.79%	1.50%	-4.89%
94	Webster	Micropolitan	\$25,019,955.65	1.19%	1.52%	-9.84%
95	Winnebago	Micropolitan	\$6,879,506.08	1.59%	1.47%	-10.28%
96	Winneshiek	Micropolitan	\$16,118,683.39	1.63%	1.60%	-6.01%
97	Woodbury	Metropolitan	\$58,979,748.28	1.24%	1.31%	-1.29%
98	Worth	Rural	\$3,908,745.64	1.10%	1.24%	-5.77%
99	Wright	Micropolitan	\$9,171,268.80	0.96%	1.28%	-11.47%

Figure A31. Iowa County Type

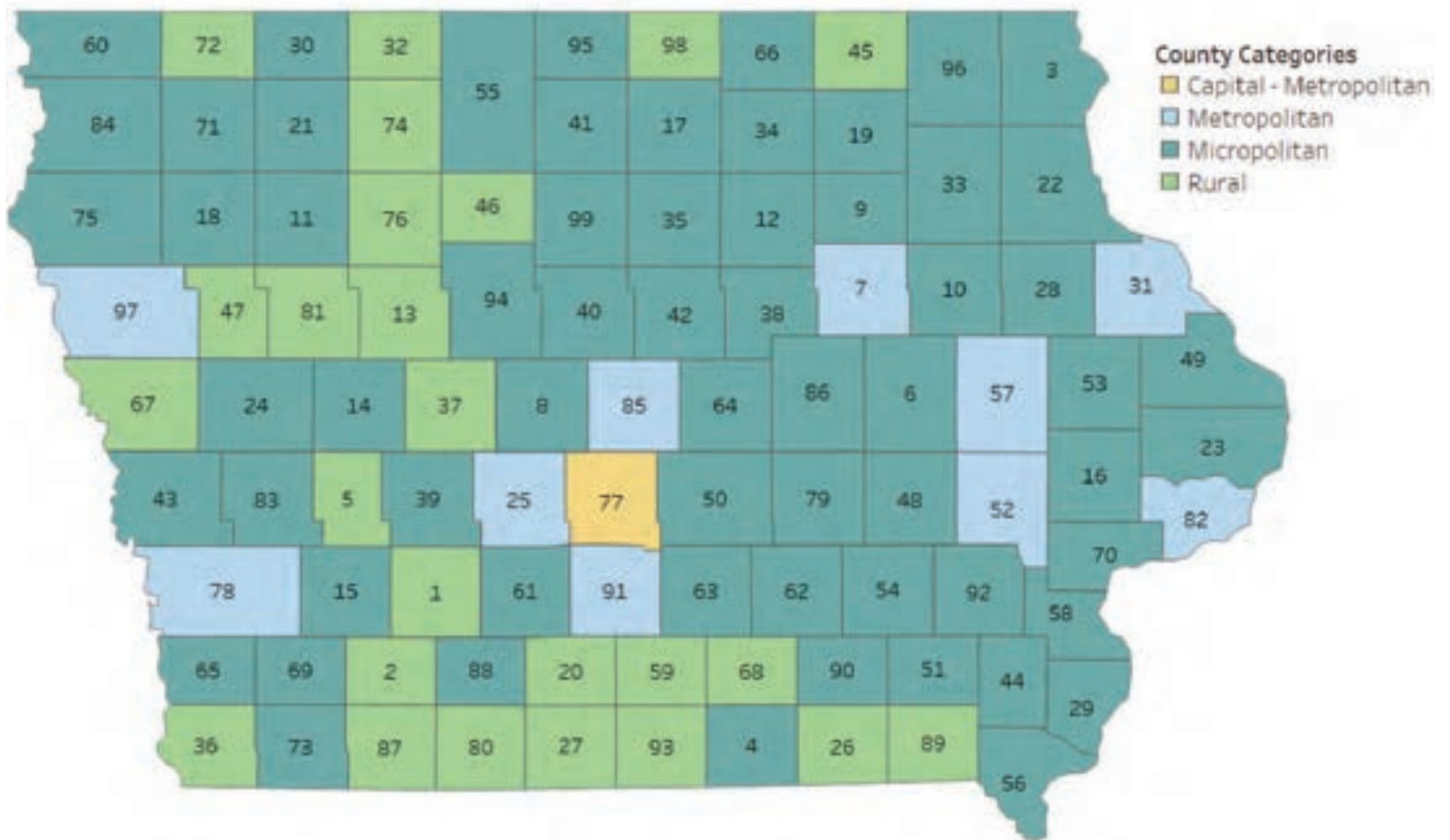
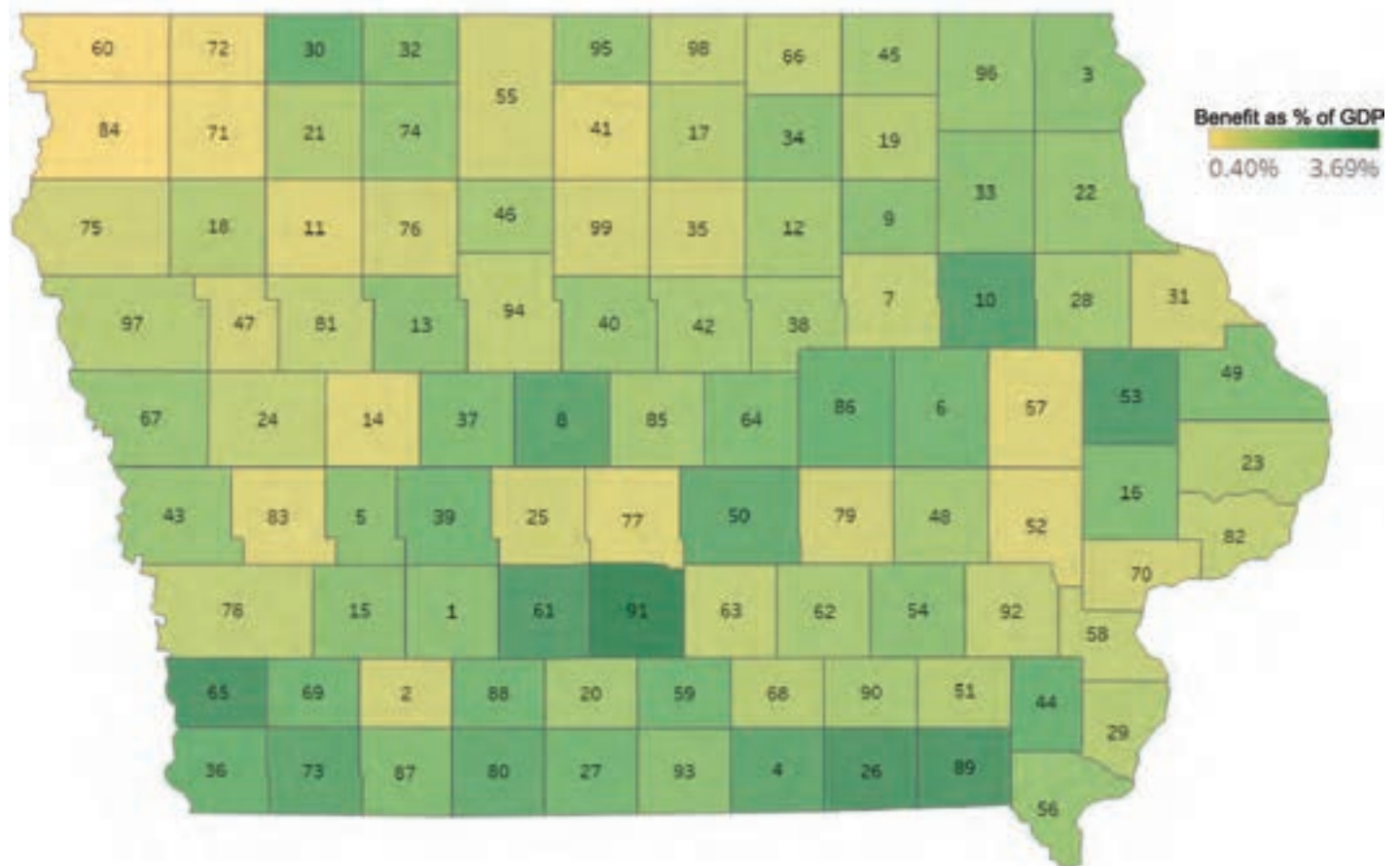


Figure A32. Iowa Pension Benefit Dollars as Share of County GDP



KANSAS

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 2.1%
- Metropolitan: 0.7%
- Micropolitan: 1.4%
- Rural: 1.2%

Total average percent of GDP in the state: 1.0%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 2.3%
- Metropolitan: 0.8%
- Micropolitan: 1.4%
- Rural: 1.4%

Total average percent of TPI in the state: 1.0%

Table A12. Kansas County Data

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Allen	Micropolitan	\$8,354,868.00	1.76%	1.67%	-13.49%
2	Anderson	Rural	\$5,503,897.00	2.37%	1.81%	-2.86%
3	Atchison	Micropolitan	\$8,731,488.00	1.51%	1.44%	-3.46%
4	Barber	Rural	\$2,947,033.00	1.33%	1.55%	-15.73%
5	Barton	Micropolitan	\$14,747,511.00	1.22%	1.18%	-7.42%
6	Bourbon	Micropolitan	\$8,553,376.00	1.53%	1.37%	-4.72%
7	Brown	Rural	\$6,276,033.00	1.45%	1.52%	-10.50%
8	Butler	Metropolitan	\$31,043,897.00	1.36%	1.01%	12.24%
9	Chase	Rural	\$1,952,799.00	1.72%	1.60%	-13.23%
10	Chautauqua	Rural	\$1,690,398.00	2.25%	1.26%	-24.09%
11	Cherokee	Micropolitan	\$8,800,881.00	1.28%	1.11%	-11.46%
12	Cheyenne	Rural	\$1,627,030.00	1.18%	1.29%	-15.96%
13	Clark	Rural	\$1,541,474.00	0.62%	1.23%	-16.11%
14	Clay	Rural	\$5,083,325.00	1.90%	1.51%	-9.35%
15	Cloud	Rural	\$5,767,190.00	1.81%	1.73%	-14.99%
16	Coffey	Rural	\$6,548,802.00	0.80%	1.47%	-7.13%
17	Comanche	Rural	\$1,330,281.00	1.73%	1.66%	-11.13%
18	Cowley	Micropolitan	\$25,221,137.00	2.06%	1.85%	-2.96%
19	Crawford	Micropolitan	\$24,009,595.00	1.75%	1.62%	2.03%
20	Decatur	Rural	\$1,941,338.00	1.22%	1.45%	-17.31%
21	Dickinson	Micropolitan	\$11,552,042.00	1.95%	1.52%	-3.24%
22	Doniphan	Rural	\$4,253,025.00	2.06%	1.48%	-6.87%
23	Douglas	Metropolitan	\$77,054,504.00	1.73%	1.45%	21.48%
24	Edwards	Rural	\$1,995,115.00	1.23%	1.34%	-17.40%
25	Elk	Rural	\$1,678,436.00	1.92%	1.64%	-23.09%
26	Ellis	Micropolitan	\$18,689,071.00	1.23%	1.40%	4.37%
27	Ellsworth	Rural	\$4,472,163.00	1.97%	1.67%	-5.04%
28	Finney	Micropolitan	\$12,954,223.00	0.65%	0.82%	-9.65%
29	Ford	Micropolitan	\$13,167,156.00	0.79%	1.00%	4.41%
30	Franklin	Micropolitan	\$15,839,018.00	1.96%	1.46%	3.42%
31	Geary	Micropolitan	\$11,681,950.00	0.46%	0.73%	16.63%
32	Gove	Rural	\$1,682,912.00	0.94%	1.10%	-14.86%
33	Graham	Rural	\$2,387,063.00	1.89%	1.93%	-15.41%
34	Grant	Rural	\$2,792,714.00	0.48%	0.82%	-7.24%

Table A12. **Kansas County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
35	Gray	Rural	\$2,458,348.00	0.32%	0.61%	2.18%
36	Greeley	Rural	\$578,866.00	0.56%	0.80%	-20.01%
37	Greenwood	Rural	\$4,309,605.00	2.67%	1.67%	-21.09%
38	Hamilton	Rural	\$1,092,396.00	0.28%	0.66%	-2.36%
39	Harper	Rural	\$3,933,517.00	1.30%	1.52%	-15.76%
40	Harvey	Micropolitan	\$21,723,128.00	1.95%	1.51%	4.08%
41	Haskell	Rural	\$1,856,695.00	0.53%	0.88%	-7.20%
42	Hodgeman	Rural	\$1,243,142.00	1.33%	1.39%	-12.81%
43	Jackson	Micropolitan	\$10,112,564.00	3.20%	1.83%	4.92%
44	Jefferson	Micropolitan	\$14,488,498.00	4.32%	1.72%	2.98%
45	Jewell	Rural	\$2,319,474.00	2.10%	1.69%	-25.06%
46	Johnson	Metropolitan	\$244,198,511.00	0.56%	0.55%	32.47%
47	Kearny	Rural	\$2,450,549.00	0.77%	1.10%	-12.98%
48	Kingman	Rural	\$4,165,042.00	1.42%	1.34%	-15.72%
49	Kiowa	Rural	\$1,417,127.00	0.96%	1.27%	-23.25%
50	Labette	Micropolitan	\$13,793,627.00	1.77%	1.64%	-12.57%
51	Lane	Rural	\$907,922.00	0.30%	0.62%	-27.61%
52	Leavenworth	Metropolitan	\$37,323,306.00	1.46%	1.07%	18.43%
53	Lincoln	Rural	\$1,924,783.00	1.67%	1.53%	-15.51%
54	Linn	Rural	\$6,037,492.00	1.45%	1.66%	1.88%
55	Logan	Rural	\$2,308,740.00	1.61%	1.70%	-6.63%
56	Lyon	Micropolitan	\$23,633,102.00	1.90%	1.85%	-7.04%
57	Marion	Micropolitan	\$6,124,280.00	1.79%	1.24%	-10.56%
58	Marshall	Rural	\$5,403,000.00	1.02%	1.21%	-11.34%
59	McPherson	Micropolitan	\$16,521,590.00	0.82%	1.13%	-3.44%
60	Meade	Rural	\$2,503,522.00	0.74%	0.94%	-10.47%
61	Miami	Micropolitan	\$18,858,966.00	2.49%	1.15%	18.80%
62	Mitchell	Rural	\$5,245,392.00	1.33%	1.56%	-11.28%
63	Montgomery	Micropolitan	\$19,109,633.00	0.99%	1.58%	-11.40%
64	Morris	Rural	\$4,109,374.00	2.24%	1.75%	-9.55%
65	Morton	Rural	\$1,700,185.00	1.06%	1.46%	-23.71%
66	Nemaha	Micropolitan	\$4,872,718.00	0.91%	0.89%	-5.24%
67	Neosho	Micropolitan	\$12,059,995.00	2.36%	1.91%	-6.15%
68	Ness	Rural	\$1,918,923.00	0.85%	1.18%	-17.78%

Table A12. **Kansas County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
69	Norton	Rural	\$6,089,532.00	2.76%	2.67%	-8.79%
70	Osage	Micropolitan	\$12,817,378.00	5.10%	2.01%	-4.61%
71	Osborne	Rural	\$2,081,552.00	1.13%	1.30%	-21.95%
72	Ottawa	Rural	\$3,794,317.00	2.95%	1.59%	-5.86%
73	Pawnee	Rural	\$8,735,645.00	3.20%	3.39%	-9.28%
74	Phillips	Rural	\$3,657,962.00	1.27%	1.34%	-11.40%
75	Pottawatomie	Micropolitan	\$13,416,732.00	1.07%	1.05%	33.32%
76	Pratt	Rural	\$7,421,518.00	1.40%	1.67%	-2.79%
77	Rawlins	Rural	\$1,768,139.00	1.24%	1.26%	-15.44%
78	Reno	Metropolitan	\$41,805,060.00	1.81%	1.63%	-3.78%
79	Republic	Rural	\$4,157,574.00	1.91%	2.01%	-20.07%
80	Rice	Rural	\$5,973,059.00	1.35%	1.46%	-11.43%
81	Riley	Metropolitan	\$36,014,558.00	1.46%	1.15%	17.28%
82	Rooks	Rural	\$3,313,250.00	1.51%	1.56%	-11.82%
83	Rush	Rural	\$2,296,639.00	1.60%	1.68%	-12.90%
84	Russell	Rural	\$4,693,953.00	1.38%	1.53%	-6.28%
85	Saline	Metropolitan	\$31,137,363.00	1.05%	1.15%	1.50%
86	Scott	Rural	\$2,084,487.00	0.34%	0.61%	-4.36%
87	Sedgwick	Metropolitan	\$166,075,754.00	0.58%	0.60%	13.41%
88	Seward	Micropolitan	\$6,437,902.00	0.50%	0.77%	-3.24%
89	Shawnee (Captial)	Metropolitan	\$188,863,046.00	2.09%	2.27%	4.49%
90	Sheridan	Rural	\$1,398,482.00	1.06%	1.09%	-9.95%
91	Sherman	Rural	\$3,287,312.00	1.20%	1.23%	-12.74%
92	Smith	Rural	\$2,636,977.00	1.54%	1.61%	-20.57%
93	Stafford	Rural	\$3,356,697.00	2.38%	1.80%	-12.76%
94	Stanton	Rural	\$1,012,205.00	0.65%	0.80%	-17.41%
95	Stevens	Rural	\$2,645,951.00	0.99%	1.22%	1.76%
96	Sumner	Micropolitan	\$15,483,373.00	2.16%	1.68%	-11.37%
97	Thomas	Rural	\$4,612,173.00	1.11%	1.31%	-5.73%
98	Trego	Rural	\$2,041,019.00	1.01%	1.44%	-15.85%
99	Wabaunsee	Rural	\$5,851,027.00	4.49%	1.68%	0.20%
100	Wallace	Rural	\$842,914.00	0.62%	0.98%	-14.07%
101	Washington	Rural	\$3,527,107.00	1.59%	1.44%	-16.40%
102	Wichita	Rural	\$748,978.00	0.26%	0.51%	-16.83%

Table A12. **Kansas County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
103	Wilson	Rural	\$5,509,432.00	1.59%	1.46%	-16.13%
104	Woodson	Rural	\$2,233,696.00	2.73%	1.97%	-15.97%
105	Wyandotte	Metropolitan	\$77,088,774.00	0.74%	1.40%	4.71%

Figure A34. Kansas County Type

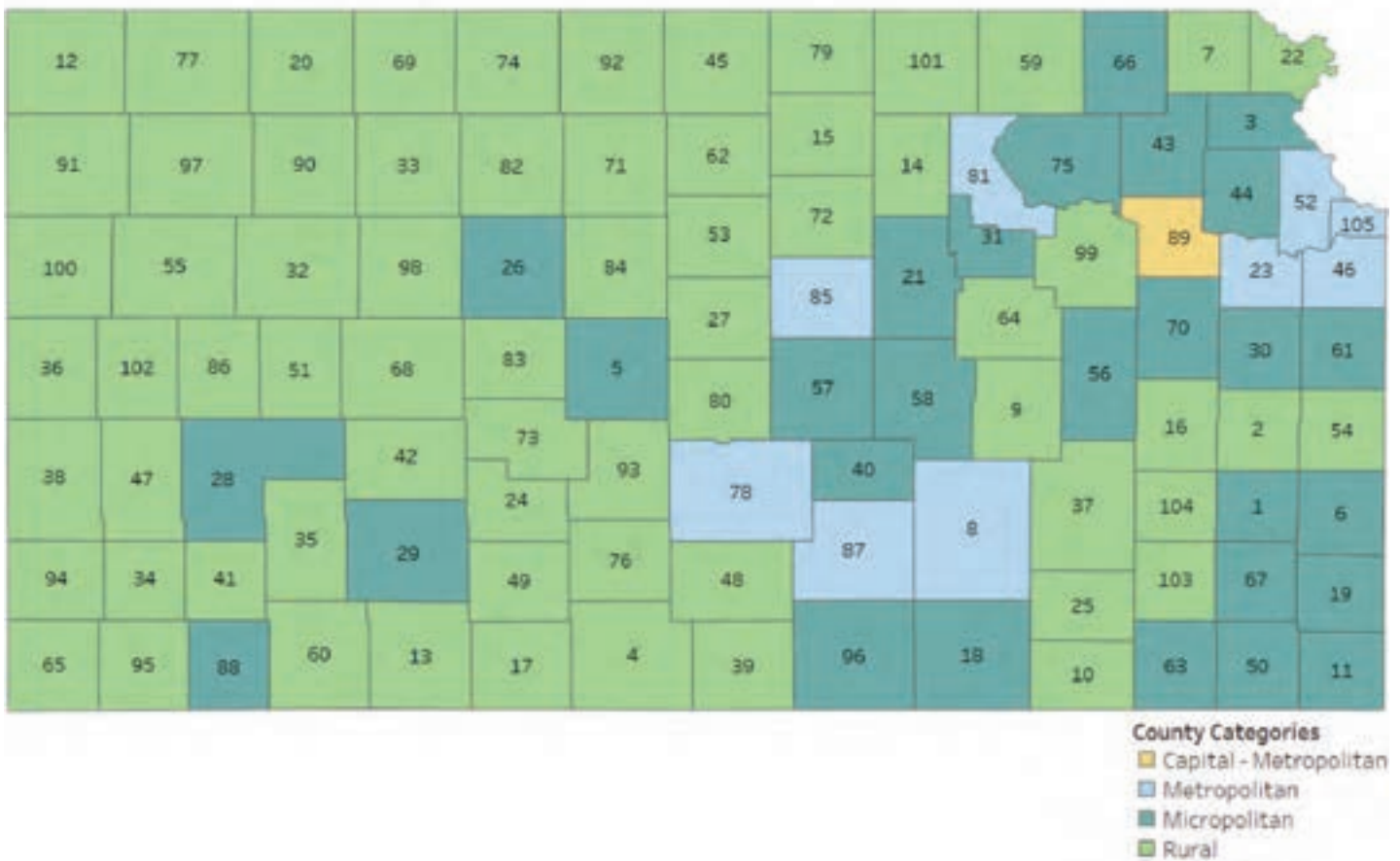


Figure A35. Kansas Pension Benefit Dollars as Share of County GDP

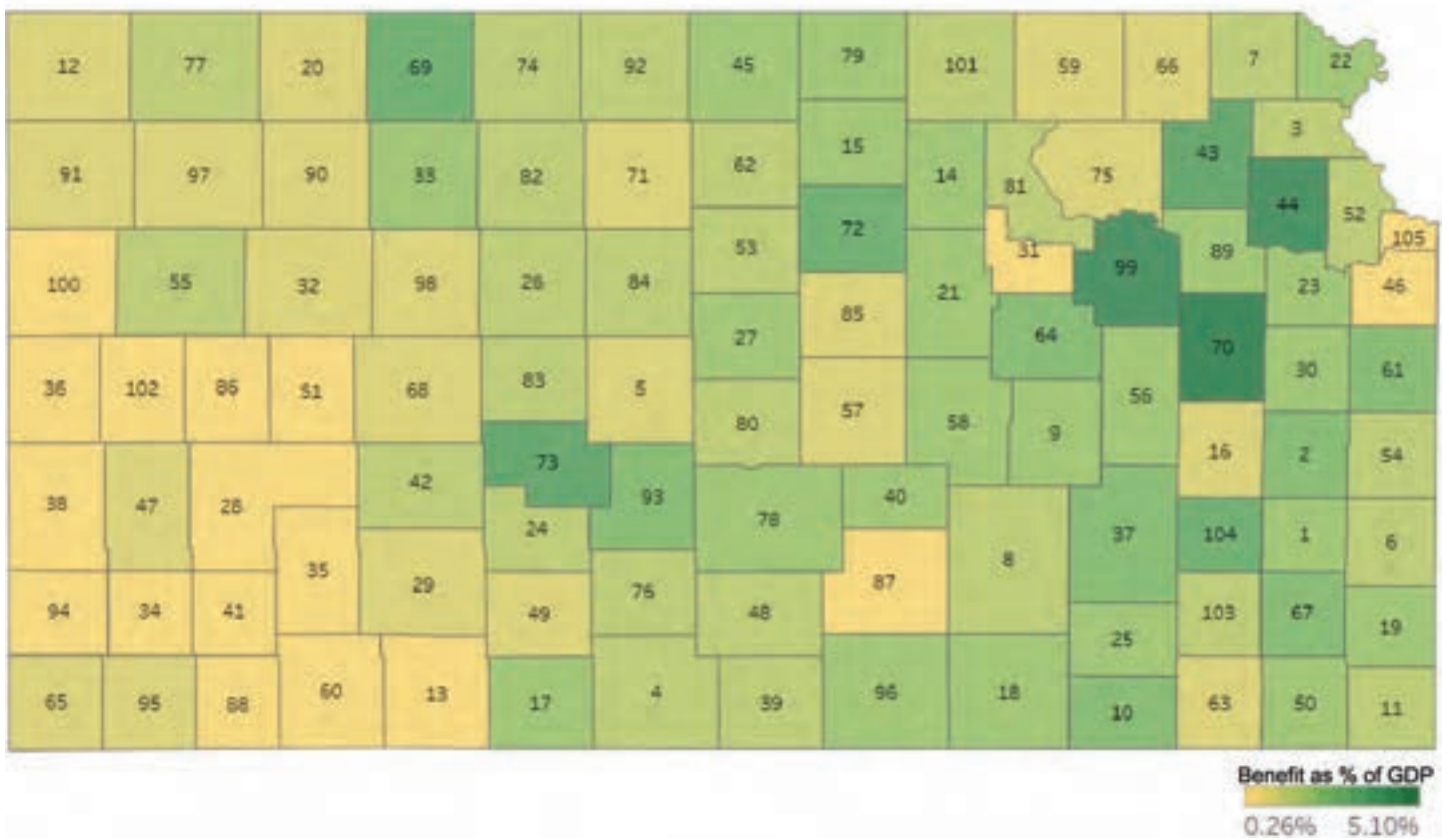
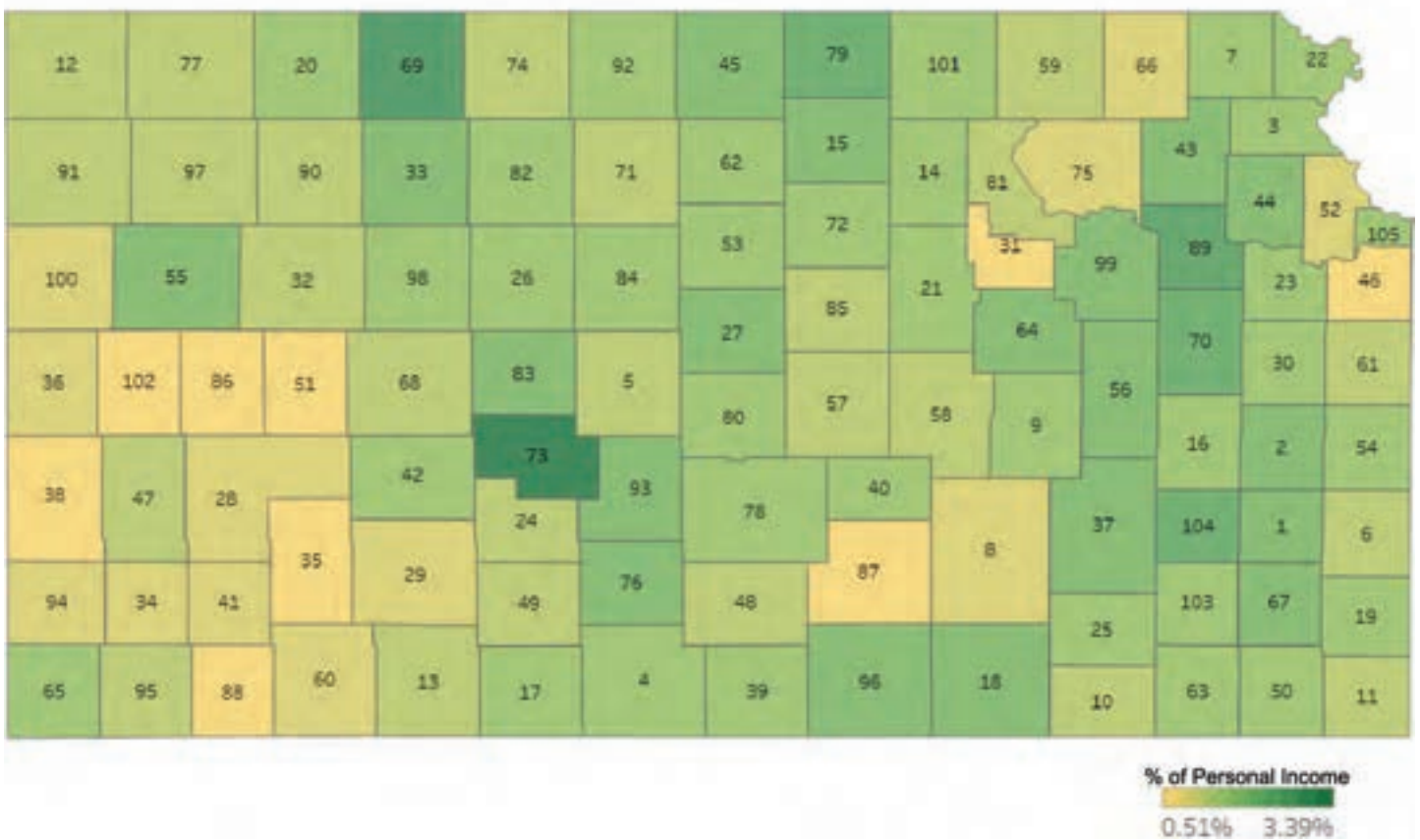


Figure A36. Kansas Pension Benefit Dollars as Share of County Total Personal Income



Overview

In Kansas, we received data from the Kansas Public Employees Retirement System.

KENTUCKY

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 6.9%
- Metropolitan: 1.5%
- Micropolitan: 2.9%
- Rural: 2.4%

Total average percent of GDP in the state: 2.0%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 10.5%
- Metropolitan: 1.6%
- Micropolitan: 2.4%
- Rural: 2.4%

Total average percent of TPI in the state: 2.0%

Table A13. Kentucky County Data

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Adair	Micropolitan	\$15,284,889.00	4.65%	2.54%	11.43%
2	Allen	Micropolitan	\$12,172,626.00	2.83%	1.77%	18.66%
3	Anderson	Micropolitan	\$41,080,147.00	9.45%	4.61%	18.59%
4	Ballard	Rural	\$7,580,680.00	3.18%	2.50%	-3.71%
5	Barren	Micropolitan	\$32,418,389.00	2.35%	2.00%	16.15%
6	Bath	Micropolitan	\$10,119,067.00	6.57%	2.68%	11.71%
7	Bell	Micropolitan	\$23,819,261.00	3.56%	3.03%	-11.61%
8	Boone	Metropolitan	\$76,117,701.00	0.93%	1.21%	52.96%
9	Bourbon	Micropolitan	\$16,277,168.00	2.19%	1.82%	4.26%
10	Boyd	Micropolitan	\$38,150,032.00	0.91%	2.03%	-5.05%
11	Boyle	Micropolitan	\$33,136,633.00	2.83%	2.91%	8.68%
12	Bracken	Rural	\$6,826,239.00	5.03%	2.25%	-0.48%
13	Breathitt	Micropolitan	\$16,137,755.00	7.17%	3.76%	-20.96%
14	Breckinridge	Micropolitan	\$13,598,755.00	3.89%	1.94%	9.33%
15	Bullitt	Metropolitan	\$44,593,316.00	2.00%	1.34%	32.39%
16	Butler	Micropolitan	\$8,220,494.00	2.36%	1.87%	-1.83%
17	Caldwell	Micropolitan	\$14,689,347.00	4.12%	3.29%	-2.64%
18	Calloway	Micropolitan	\$40,766,469.00	3.18%	2.92%	14.51%
19	Campbell	Metropolitan	\$57,071,689.00	1.97%	1.25%	5.12%
20	Carlisle	Rural	\$3,264,938.00	2.04%	1.56%	-10.84%
21	Carroll	Micropolitan	\$8,804,742.00	0.61%	2.26%	5.73%
22	Carter	Micropolitan	\$24,159,908.00	5.99%	2.90%	0.43%
23	Casey	Micropolitan	\$10,488,774.00	3.54%	2.12%	2.85%
24	Christian	Metropolitan	\$46,581,533.00	0.88%	1.72%	-0.82%
25	Clark	Micropolitan	\$27,325,609.00	2.19%	1.89%	9.37%
26	Clay	Micropolitan	\$19,815,547.00	6.03%	3.22%	-18.13%
27	Clinton	Micropolitan	\$8,500,773.00	3.15%	2.66%	5.94%
28	Crittenden	Rural	\$4,923,436.00	2.57%	1.56%	-5.00%
29	Cumberland	Rural	\$6,132,053.00	3.87%	2.59%	-6.83%
30	Daviess	Metropolitan	\$88,503,048.00	2.18%	2.10%	10.44%
31	Edmonson	Micropolitan	\$7,068,788.00	4.89%	1.79%	5.41%
32	Elliott	Rural	\$4,615,620.00	6.46%	2.73%	11.26%
33	Estill	Micropolitan	\$11,252,148.00	5.93%	2.51%	-7.25%
34	Fayette	Metropolitan	\$237,472,031.00	1.24%	1.46%	24.29%

Table A13. **Kentucky County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
35	Fleming	Micropolitan	\$14,193,043.00	5.22%	2.93%	4.64%
36	Floyd	Micropolitan	\$33,521,273.00	3.17%	2.53%	-15.54%
37	Franklin (Capital)	Metropolitan	\$223,164,984.00	6.91%	10.52%	6.56%
38	Fulton	Rural	\$4,902,135.00	2.50%	2.38%	-21.05%
39	Gallatin	Rural	\$3,215,994.00	0.90%	1.14%	12.22%
40	Garrard	Micropolitan	\$14,583,475.00	7.13%	2.42%	18.71%
41	Grant	Micropolitan	\$17,890,969.00	3.81%	1.97%	12.23%
42	Graves	Micropolitan	\$28,221,068.00	2.40%	1.98%	0.78%
43	Grayson	Micropolitan	\$20,917,850.00	3.16%	2.37%	9.43%
44	Green	Micropolitan	\$8,599,635.00	5.70%	2.25%	-4.07%
45	Greenup	Micropolitan	\$23,812,626.00	3.29%	1.65%	-4.40%
46	Hancock	Rural	\$5,314,382.00	0.64%	1.64%	4.36%
47	Hardin	Metropolitan	\$71,656,921.00	1.50%	1.50%	17.18%
48	Harlan	Micropolitan	\$24,613,452.00	4.33%	3.02%	-20.46%
49	Harrison	Micropolitan	\$13,950,160.00	3.06%	2.13%	4.42%
50	Hart	Micropolitan	\$9,969,266.00	1.99%	1.64%	8.37%
51	Henderson	Micropolitan	\$34,055,005.00	1.78%	1.87%	1.70%
52	Henry	Micropolitan	\$26,815,701.00	7.34%	4.38%	6.95%
53	Hickman	Rural	\$3,116,184.00	1.43%	1.57%	-15.98%
54	Hopkins	Micropolitan	\$37,053,152.00	2.43%	2.10%	-3.12%
55	Jackson	Micropolitan	\$9,343,850.00	6.03%	2.45%	-0.39%
56	Jefferson	Metropolitan	\$658,163,910.00	1.32%	1.64%	11.09%
57	Jessamine	Metropolitan	\$34,592,293.00	2.30%	1.48%	38.11%
58	Johnson	Micropolitan	\$22,638,881.00	5.61%	3.07%	-4.52%
59	Kenton	Metropolitan	\$84,363,168.00	1.21%	0.88%	9.63%
60	Knott	Micropolitan	\$16,126,919.00	7.67%	3.54%	-14.30%
61	Knox	Micropolitan	\$19,464,149.00	3.37%	2.11%	-1.54%
62	Larue	Micropolitan	\$12,069,274.00	6.20%	2.31%	6.98%
63	Laurel	Metropolitan	\$44,824,743.00	2.25%	2.18%	15.09%
64	Lawrence	Micropolitan	\$9,035,499.00	2.86%	1.83%	0.01%
65	Lee	Rural	\$6,291,756.00	4.71%	2.97%	-11.15%
66	Leslie	Micropolitan	\$9,489,612.00	5.92%	2.86%	-18.21%
67	Letcher	Micropolitan	\$20,005,685.00	5.51%	2.96%	-13.36%
68	Lewis	Micropolitan	\$10,558,447.00	6.26%	2.56%	-5.93%
69	Lincoln	Micropolitan	\$19,312,228.00	4.91%	2.50%	5.49%
70	Livingston	Rural	\$7,192,938.00	2.58%	2.06%	-5.73%

Table A13. **Kentucky County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
71	Logan	Micropolitan	\$18,953,274.00	1.59%	1.95%	1.57%
72	Lyon	Rural	\$10,737,082.00	5.68%	3.66%	-0.88%
73	Madison	Metropolitan	\$93,609,757.00	3.55%	2.86%	30.33%
74	Magoffin	Micropolitan	\$11,872,282.00	8.51%	3.15%	-7.28%
75	Marion	Micropolitan	\$14,426,484.00	2.03%	2.06%	6.55%
76	Marshall	Micropolitan	\$27,104,504.00	2.35%	2.09%	3.54%
77	Martin	Micropolitan	\$7,894,998.00	2.58%	2.34%	-9.98%
78	Mason	Micropolitan	\$14,387,023.00	1.48%	2.07%	2.08%
79	Mccracken	Metropolitan	\$54,412,840.00	1.48%	1.72%	-0.26%
80	Mccreary	Micropolitan	\$11,829,857.00	5.24%	2.63%	1.92%
81	Mclean	Rural	\$8,881,372.00	2.68%	2.31%	-6.90%
82	Meade	Micropolitan	\$13,629,580.00	3.13%	1.19%	8.98%
83	Menifee	Rural	\$5,111,645.00	6.51%	2.61%	-1.60%
84	Mercer	Micropolitan	\$22,756,716.00	2.46%	2.81%	4.60%
85	Metcalfe	Micropolitan	\$7,500,137.00	4.02%	2.37%	-0.07%
86	Monroe	Micropolitan	\$8,827,843.00	3.07%	2.26%	-8.83%
87	Montgomery	Micropolitan	\$22,485,154.00	2.51%	2.29%	25.05%
88	Morgan	Micropolitan	\$17,069,121.00	7.22%	4.77%	-4.32%
89	Muhlenberg	Micropolitan	\$23,356,335.00	1.86%	2.24%	-3.34%
90	Nelson	Micropolitan	\$32,984,364.00	2.08%	1.69%	22.34%
91	Nicholas	Rural	\$4,970,531.00	6.39%	2.04%	5.18%
92	Ohio	Micropolitan	\$14,224,838.00	1.68%	1.78%	5.11%
93	Oldham	Metropolitan	\$47,027,018.00	3.11%	1.12%	43.94%
94	Owen	Micropolitan	\$15,715,512.00	9.32%	4.26%	3.16%
95	Owsley	Rural	\$7,189,893.00	13.87%	5.11%	-7.95%
96	Pendleton	Micropolitan	\$10,878,127.00	4.42%	1.71%	0.97%
97	Perry	Micropolitan	\$26,344,665.00	2.74%	2.62%	-11.22%
98	Pike	Metropolitan	\$46,999,119.00	1.74%	2.22%	-15.03%
99	Powell	Micropolitan	\$9,545,386.00	4.84%	2.44%	-6.01%
100	Pulaski	Metropolitan	\$63,114,447.00	3.08%	2.64%	14.95%
101	Robertson	Rural	\$1,990,939.00	7.80%	2.84%	-5.78%
102	Rockcastle	Micropolitan	\$12,475,320.00	4.68%	2.39%	1.01%
103	Rowan	Micropolitan	\$33,657,484.00	5.08%	4.45%	11.27%
104	Russell	Micropolitan	\$17,415,026.00	3.12%	2.85%	9.23%

Table A13. **Kentucky County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
105	Scott	Metropolitan	\$43,133,577.00	1.78%	1.77%	69.48%
106	Shelby	Micropolitan	\$60,417,858.00	4.25%	2.74%	45.54%
107	Simpson	Micropolitan	\$9,177,742.00	1.08%	1.30%	12.95%
108	Spencer	Micropolitan	\$16,140,121.00	8.34%	1.95%	59.73%
109	Taylor	Micropolitan	\$21,091,151.00	2.65%	2.36%	11.44%
110	Todd	Micropolitan	\$6,743,725.00	1.98%	1.42%	2.84%
111	Trigg	Micropolitan	\$14,629,916.00	5.40%	2.74%	16.24%
112	Trimble	Rural	\$6,484,495.00	1.45%	2.08%	4.80%
113	Union	Micropolitan	\$8,208,159.00	1.38%	1.68%	-7.24%
114	Warren	Metropolitan	\$116,153,933.00	2.14%	2.33%	41.87%
115	Washington	Micropolitan	\$9,535,012.00	3.24%	2.09%	10.70%
116	Wayne	Micropolitan	\$15,865,731.00	4.36%	2.72%	2.74%
117	Webster	Micropolitan	\$9,177,558.00	1.55%	1.79%	-7.15%
118	Whitley	Micropolitan	\$40,054,539.00	2.45%	3.30%	1.05%
119	Wolfe	Rural	\$9,527,314.00	10.25%	4.27%	1.59%
120	Woodford	Micropolitan	\$37,196,926.00	3.72%	2.71%	14.33%

Figure A37. Kentucky County Type

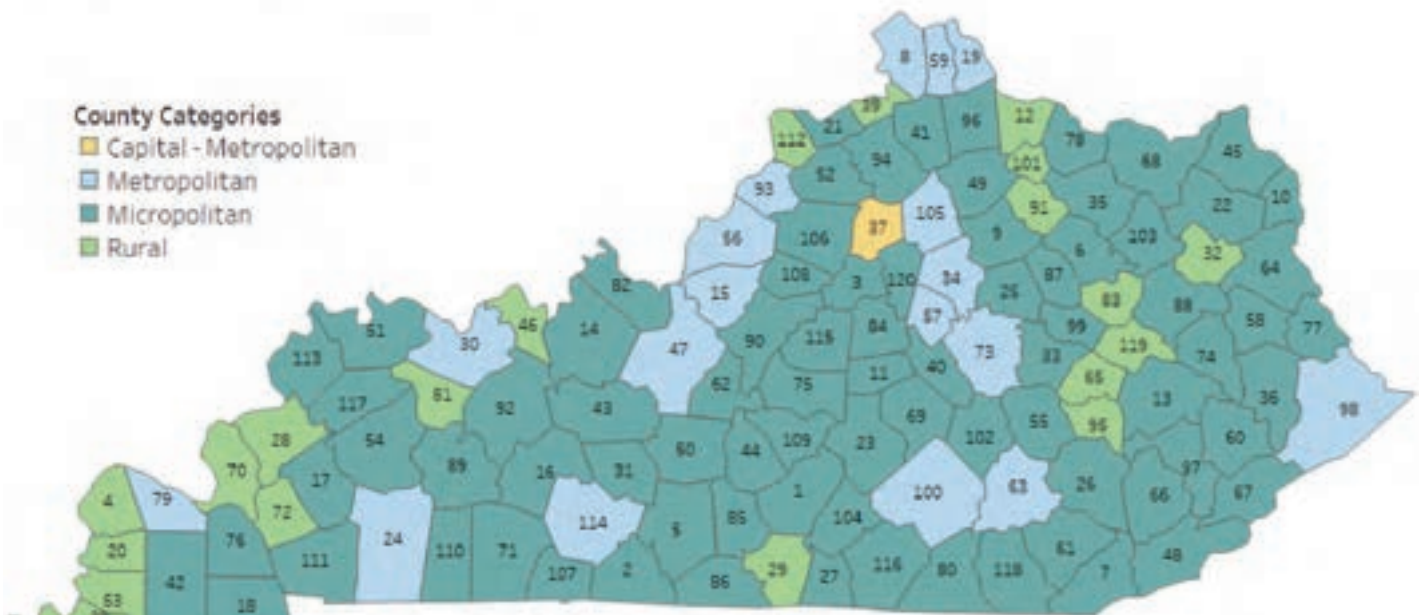


Figure A38. Kentucky Pension Benefit Dollars as Share of County GDP

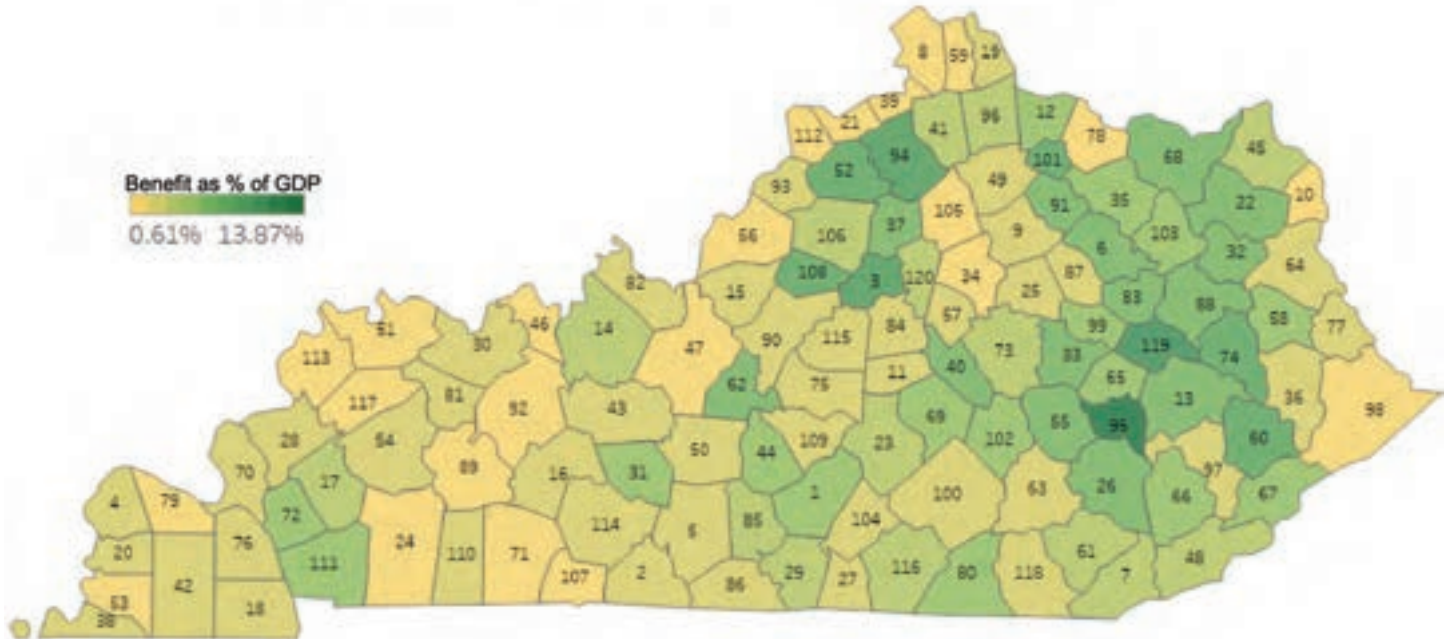
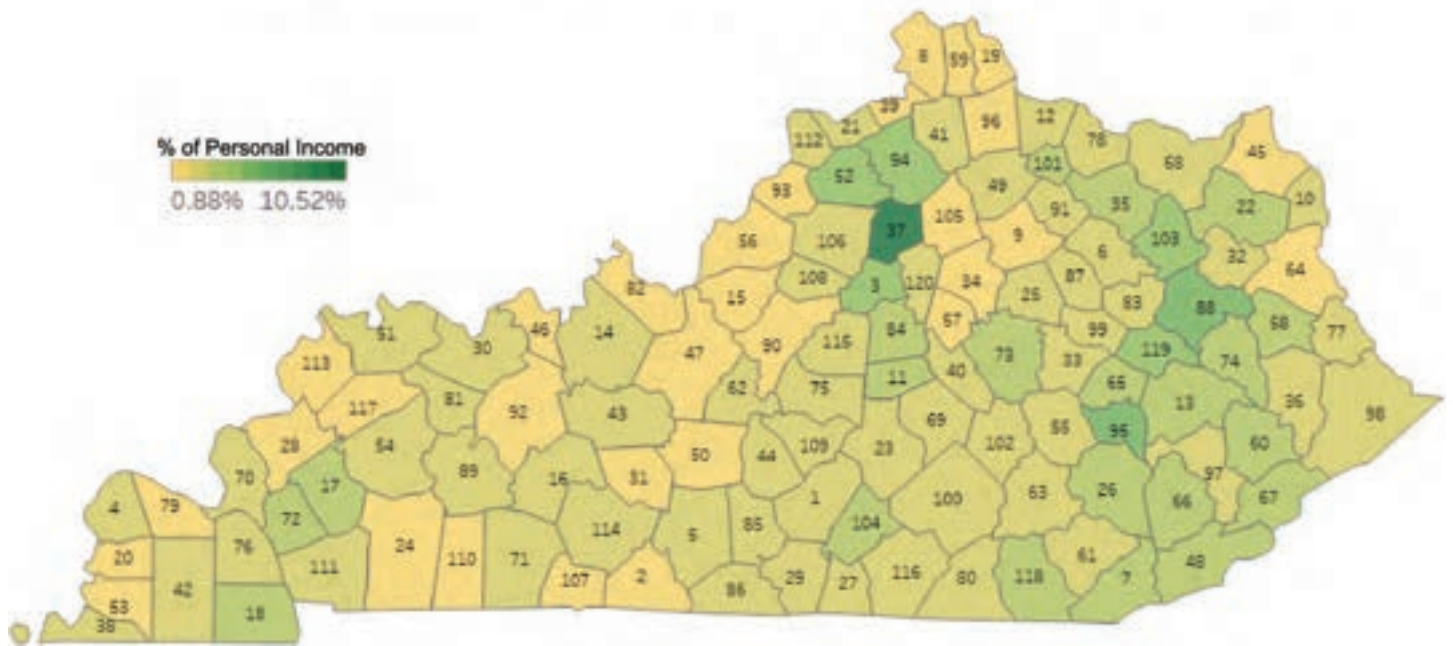


Figure A39. Kentucky Pension Benefit Dollars as Share of County Total Personal Income



Overview

In Kentucky, we received data from the Kentucky Public Pensions Authority and the Teachers' Retirement System Kentucky.

LOUISIANA

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 0.8%
- Metropolitan: 0.4%
- Micropolitan: 0.4%
- Rural: 0.3%

Total average percent of GDP in the state: 0.5%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 1.1%
- Metropolitan: 0.4%
- Micropolitan: 0.6%
- Rural: 0.6%

Total average percent of TPI in the state: 0.5%

Table A14. Louisiana County Data

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Acadia	Metropolitan	\$8,422,096.00	0.53%	0.36%	5.66%
2	Allen	Micropolitan	\$3,139,433.00	0.50%	0.37%	0.65%
3	Ascension	Metropolitan	\$28,736,772.00	0.33%	0.46%	62.70%
4	Assumption	Micropolitan	\$1,972,079.00	0.43%	0.19%	-4.65%
5	Avoyelles	Micropolitan	\$19,276,300.00	2.27%	1.26%	-2.46%
6	Beauregard	Micropolitan	\$5,064,194.00	0.55%	0.32%	12.94%
7	Bienville	Micropolitan	\$3,750,828.00	0.50%	0.73%	-15.52%
8	Bossier	Metropolitan	\$21,100,667.00	0.36%	0.38%	29.37%
9	Caddo	Metropolitan	\$51,955,992.00	0.39%	0.44%	-3.66%
10	Calcasieu	Metropolitan	\$27,902,220.00	0.19%	0.28%	10.64%
11	Caldwell	Rural	\$3,528,226.00	1.97%	1.04%	-5.68%
12	Cameron	Rural	\$407,739.00	0.02%	0.12%	-30.26%
13	Catahoula	Rural	\$2,258,531.00	1.16%	0.70%	-12.01%
14	Claiborne	Micropolitan	\$4,965,159.00	0.96%	0.88%	-5.38%
15	Concordia	Micropolitan	\$2,663,514.00	0.47%	0.41%	-3.33%
16	De Soto	Micropolitan	\$3,712,577.00	0.10%	0.33%	7.62%
17	East Baton Rouge (Capital)	Metropolitan	\$249,975,291.00	0.76%	1.10%	6.81%
18	East Carroll	Rural	\$782,578.00	0.42%	0.31%	-25.31%
19	East Feliciana	Micropolitan	\$28,222,626.00	6.37%	3.42%	-9.62%
20	Evangeline	Micropolitan	\$6,695,073.00	0.77%	0.59%	-5.62%
21	Franklin	Micropolitan	\$6,027,468.00	1.22%	0.94%	-5.21%
22	Grant	Micropolitan	\$7,663,302.00	2.27%	1.07%	20.24%
23	Iberia	Metropolitan	\$7,068,841.00	0.23%	0.25%	-3.17%
24	Iberville	Micropolitan	\$13,076,787.00	0.64%	0.96%	-1.80%
25	Jackson	Micropolitan	\$3,310,015.00	0.75%	0.61%	3.28%
26	Jefferson	Metropolitan	\$64,038,356.00	0.29%	0.29%	-4.70%
27	Jefferson Davis	Micropolitan	\$4,179,882.00	0.46%	0.31%	0.47%
28	La Salle	Micropolitan	\$2,187,826.00	0.02%	0.45%	4.45%
29	Lafayette	Metropolitan	\$39,804,559.00	1.00%	0.33%	27.44%
30	Lafourche	Metropolitan	\$14,899,634.00	3.22%	0.32%	9.05%
31	Lincoln	Micropolitan	\$15,645,909.00	0.82%	0.82%	11.03%
32	Livingston	Metropolitan	\$53,175,928.00	2.27%	0.94%	52.01%
33	Madison	Micropolitan	\$1,866,259.00	0.41%	0.52%	-18.70%

Table A14. **Louisiana County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
34	Morehouse	Micropolitan	\$3,872,069.00	0.65%	0.40%	-18.13%
35	Natchitoches	Micropolitan	\$9,418,555.00	0.68%	0.61%	-1.08%
36	Orleans	Metropolitan	\$73,541,671.00	0.32%	0.36%	-19.33%
37	Ouachita	Metropolitan	\$35,257,551.00	0.48%	0.56%	4.91%
38	Plaquemines	Micropolitan	\$2,294,666.00	0.07%	0.20%	-12.51%
39	Pointe Coupee	Micropolitan	\$9,866,070.00	1.39%	1.01%	-3.62%
40	Rapides	Metropolitan	\$53,825,985.00	1.01%	0.89%	3.34%
41	Red River	Rural	\$2,114,390.00	0.17%	0.59%	-11.90%
42	Richland	Micropolitan	\$4,761,593.00	0.95%	0.63%	-3.76%
43	Sabine	Micropolitan	\$3,934,084.00	0.50%	0.47%	2.44%
44	St. Bernard	Micropolitan	\$3,985,401.00	0.30%	0.27%	-30.50%
45	St. Charles	Metropolitan	\$4,377,148.00	0.05%	0.17%	10.00%
46	St. Helena	Micropolitan	\$3,800,362.00	2.68%	0.89%	-2.50%
47	St. James	Micropolitan	\$2,534,739.00	0.08%	0.25%	-0.84%
48	St. John the Baptist	Micropolitan	\$4,391,566.00	0.19%	0.25%	0.33%
49	St. Landry	Metropolitan	\$13,517,698.00	0.53%	0.40%	-5.63%
50	St. Martin	Metropolitan	\$8,523,413.00	0.60%	0.42%	10.37%
51	St. Mary	Micropolitan	\$3,020,606.00	0.12%	0.15%	-6.96%
52	St. Tammany	Metropolitan	\$36,273,707.00	0.40%	0.23%	34.95%
53	Tangipahoa	Metropolitan	\$37,634,694.00	0.97%	0.72%	32.99%
54	Tensas	Rural	\$1,582,509.00	1.29%	0.97%	-32.58%
55	Terrebonne	Metropolitan	\$14,504,205.00	0.26%	0.31%	6.24%
56	Union	Micropolitan	\$5,080,701.00	0.81%	0.59%	-2.07%
57	Vermilion	Metropolitan	\$6,379,720.00	0.37%	0.27%	11.19%
58	Vernon	Micropolitan	\$6,155,864.00	0.33%	0.31%	-6.99%
59	Washington	Micropolitan	\$15,092,531.00	1.38%	0.97%	6.05%
60	Webster	Micropolitan	\$7,610,328.00	0.68%	0.49%	-7.25%
61	West Baton Rouge	Micropolitan	\$12,604,388.00	0.39%	1.02%	22.34%
62	West Carroll	Micropolitan	\$2,023,296.00	0.80%	0.50%	-10.82%
63	West Feliciana	Micropolitan	\$12,148,787.00	1.51%	2.03%	2.31%
64	Winn	Micropolitan	\$2,543,249.00	0.58%	0.49%	-16.34%

Figure A40. Louisiana County Type

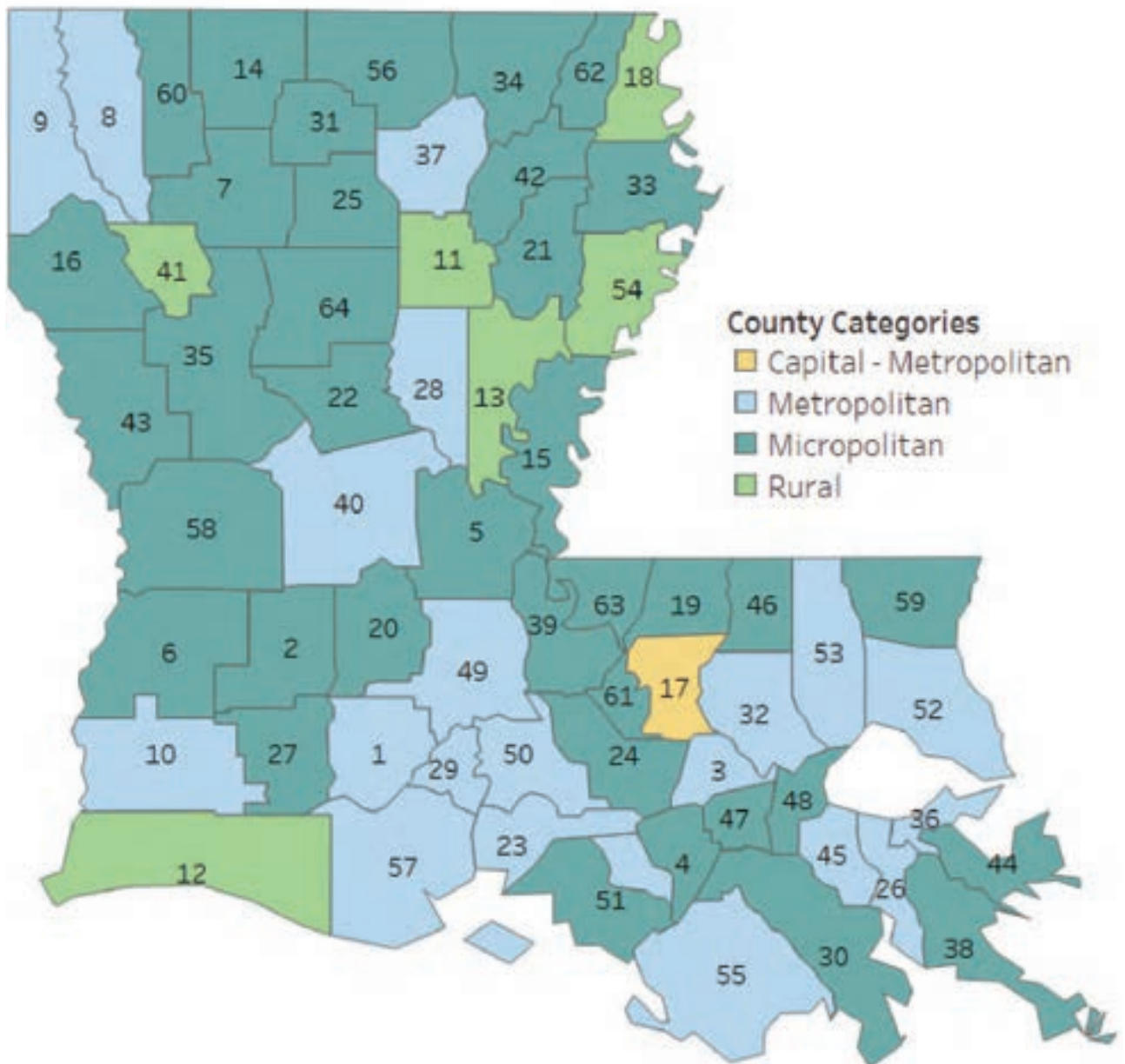


Figure A41. Louisiana Pension Benefit Dollars as Share of County GDP

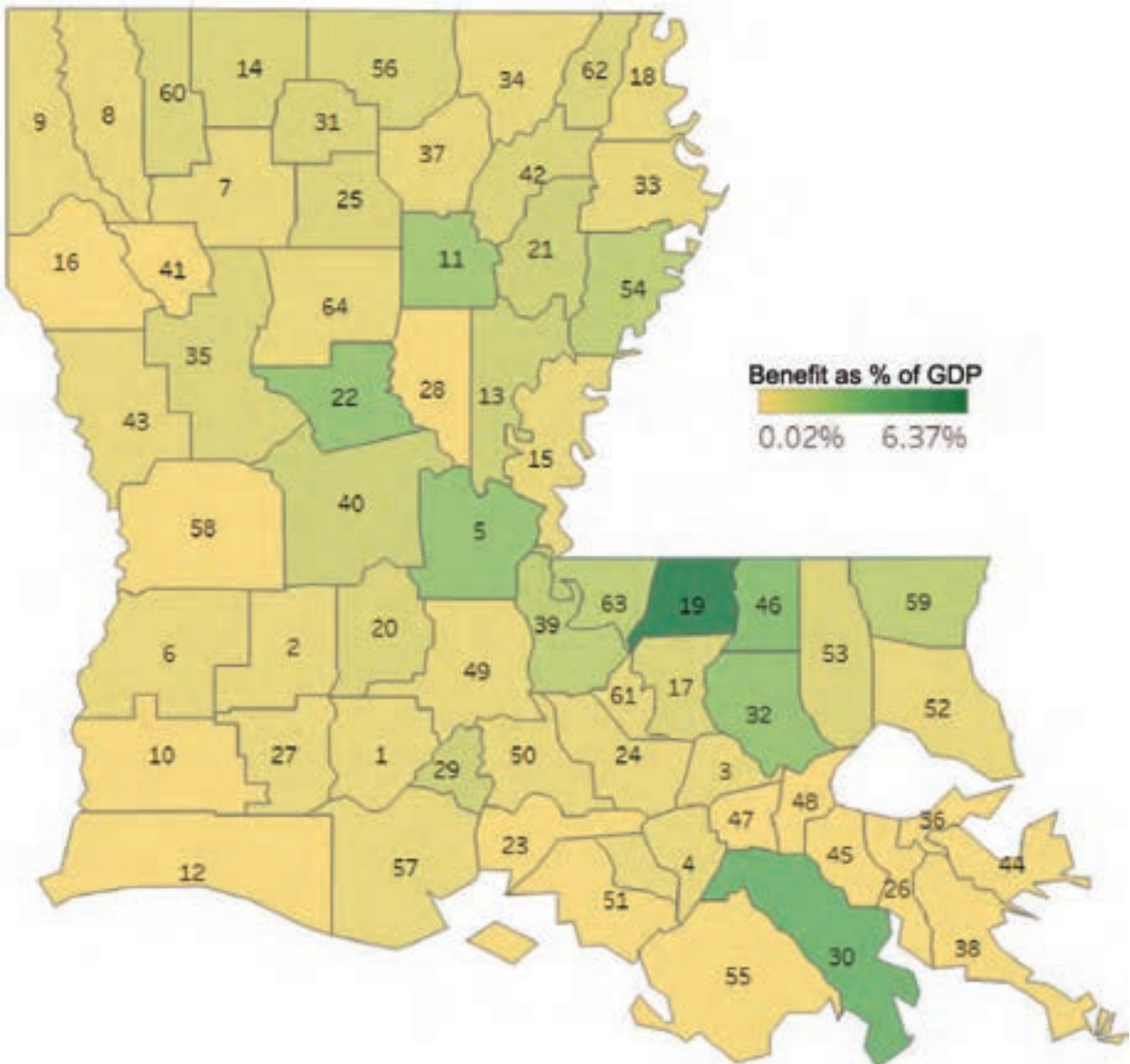
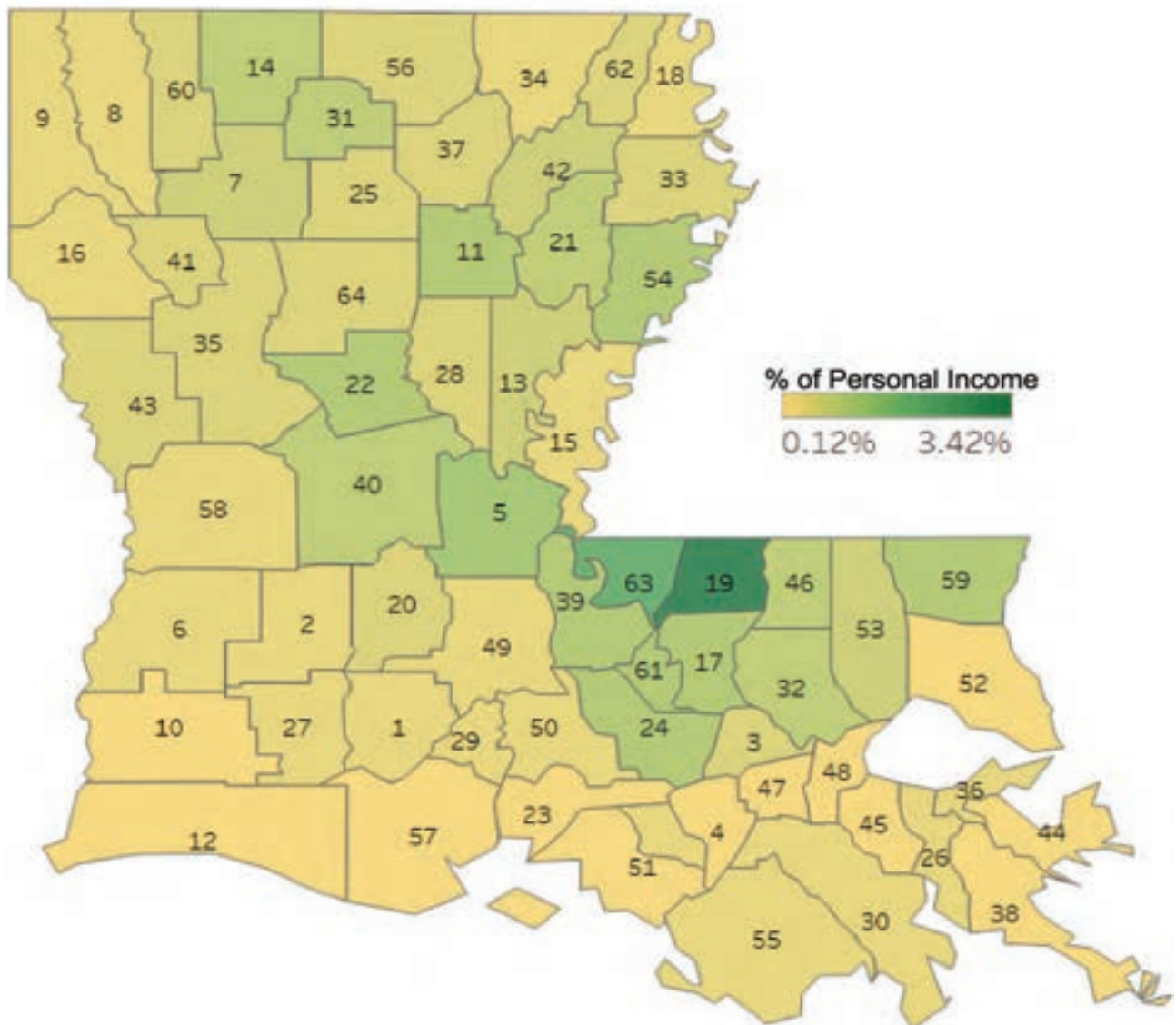


Figure A42. Louisiana Pension Benefit Dollars as Share of County Total Personal Income



Overview

In Louisiana, we received data from the Louisiana State Employees' Retirement System and the Teachers' Retirement System of Louisiana.

MAINE

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 2.8%
- Metropolitan: 1.2%
- Micropolitan: 1.9%
- Rural: -

Total average percent of GDP in the state: 1.5%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 2.6%
- Metropolitan: 1.1%
- Micropolitan: 1.4%
- Rural: -

Total average percent of TPI in the state: 1.3%

Table A15. Maine County Data

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Androscoggin	Metropolitan	\$60,607,094.90	1.42%	1.36%	3.74%
2	Aroostook	Metropolitan	\$52,013,122.58	2.21%	1.88%	-9.23%
3	Cumberland	Metropolitan	\$174,313,740.09	0.90%	0.95%	10.52%
4	Franklin	Micropolitan	\$20,973,261.07	2.13%	1.82%	1.46%
5	Hancock	Metropolitan	\$29,321,604.97	1.33%	1.04%	5.83%
6	Kennebec (Capital)	Metropolitan	\$141,823,999.87	2.82%	2.59%	4.24%
7	Knox	Micropolitan	\$24,939,295.82	1.60%	1.20%	0.39%
8	Lincoln	Micropolitan	\$25,644,640.40	2.49%	1.47%	2.16%
9	Oxford	Metropolitan	\$29,795,880.57	1.92%	1.36%	5.23%
10	Penobscot	Metropolitan	\$91,717,138.59	1.52%	1.44%	4.26%
11	Piscataquis	Micropolitan	\$11,587,024.59	2.17%	1.79%	-2.52%
12	Sagadahoc	Micropolitan	\$23,121,463.54	1.60%	1.26%	1.19%
13	Somerset	Metropolitan	\$25,015,407.52	1.51%	1.30%	-0.58%
14	Waldo	Micropolitan	\$21,759,786.97	2.19%	1.34%	9.41%
15	Washington	Micropolitan	\$19,267,167.59	1.88%	1.52%	-7.22%
16	York	Metropolitan	\$89,782,774.81	1.21%	0.84%	10.44%

Figure A43. **Maine County Type**

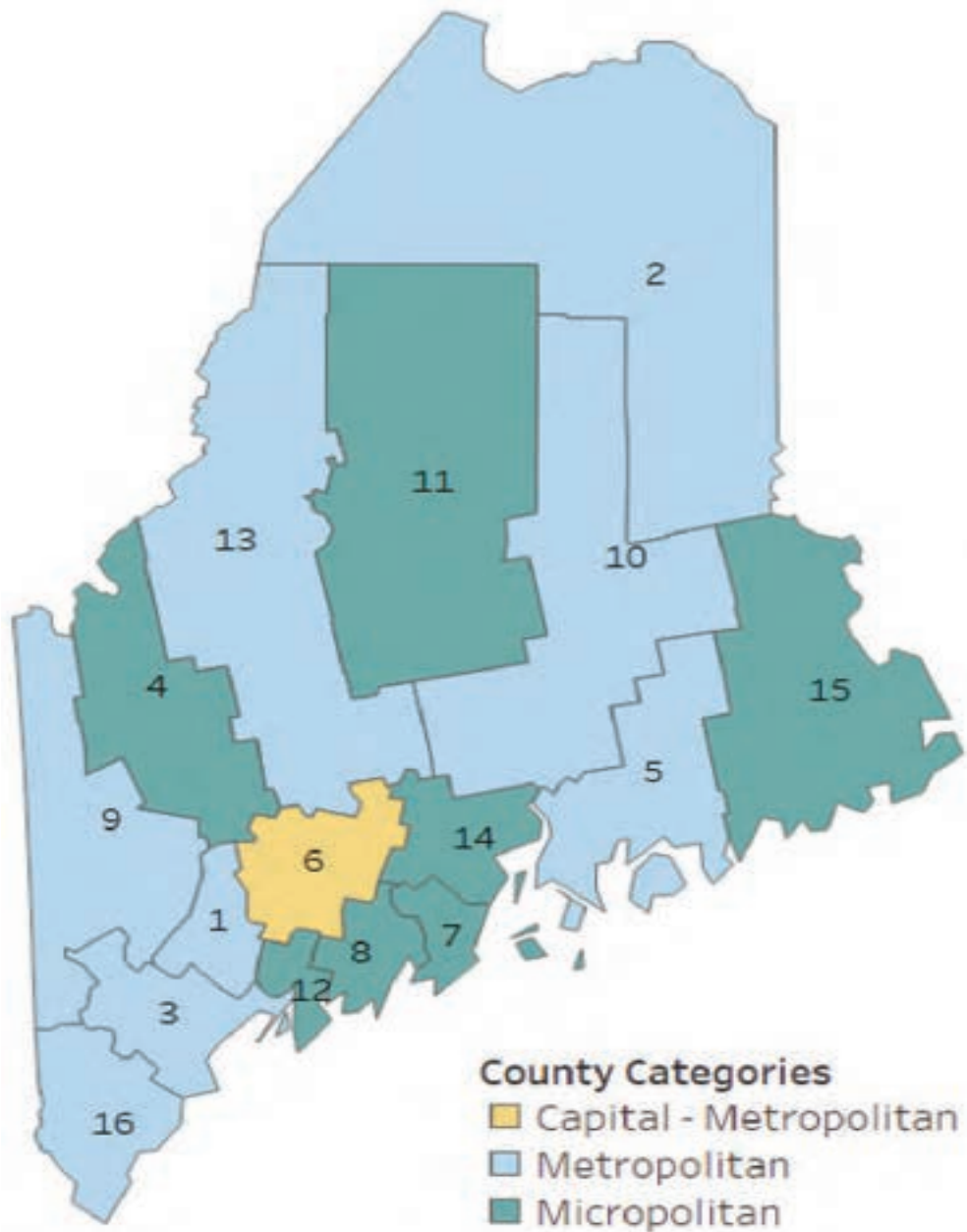


Figure A44. Maine Pension Benefit Dollars as Share of County GDP

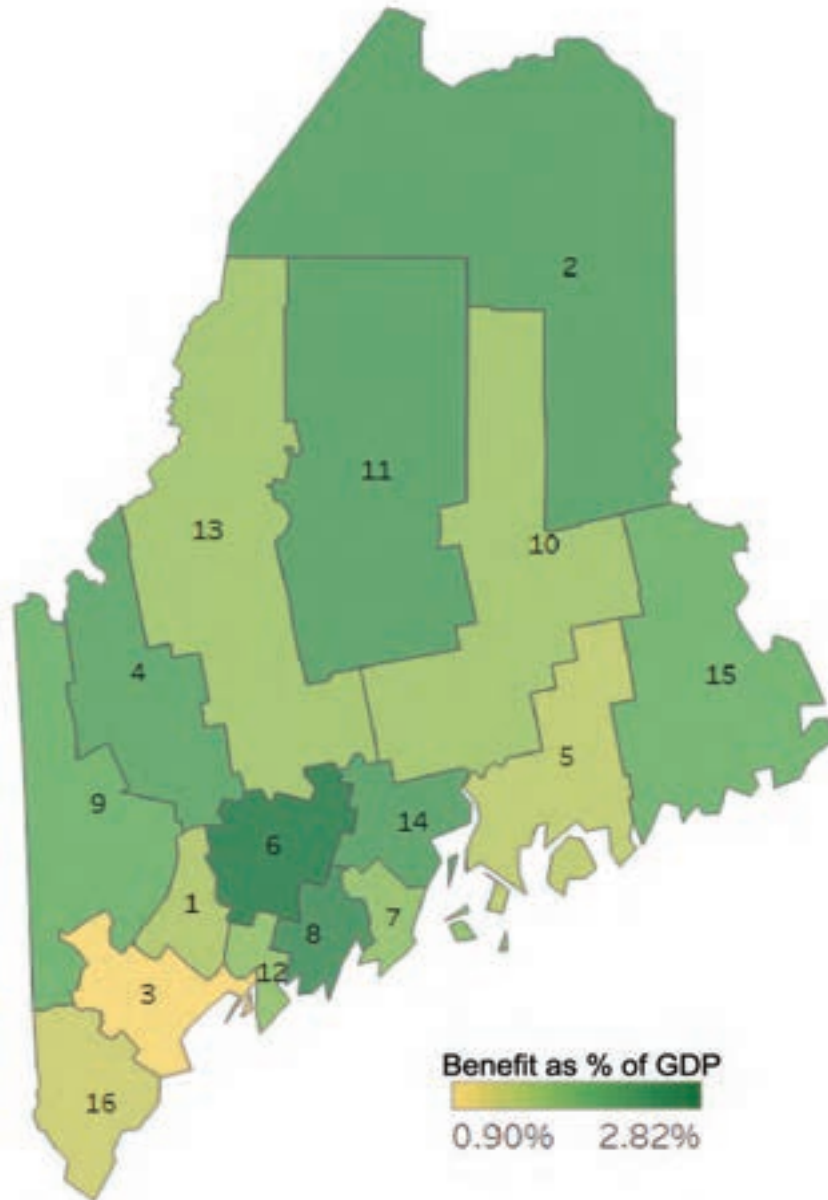
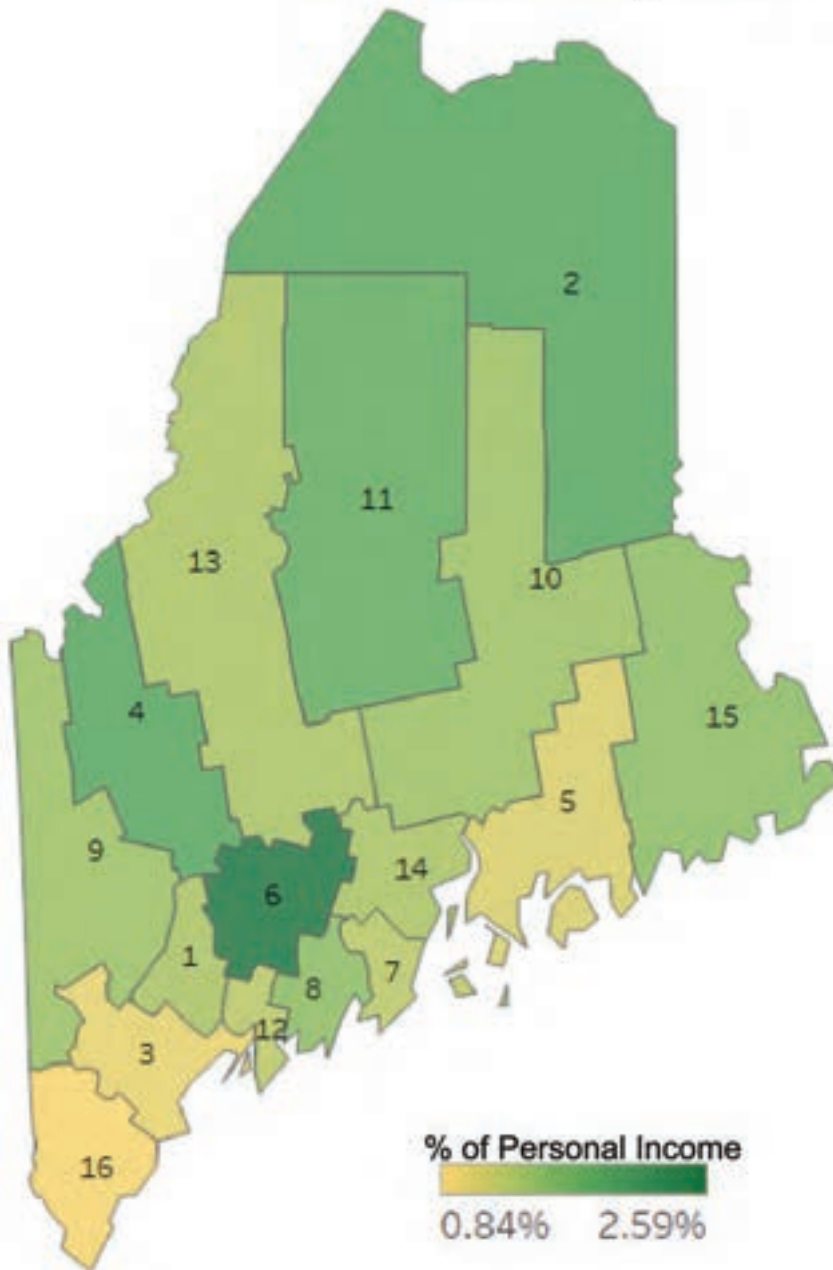


Figure A45. Maine Pension Benefit Dollars as Share of County Total Personal Income



Overview

In Maine, we received data from the Maine Public Employees Retirement System.

MARYLAND

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 0.7%
- Metropolitan: 0.8%
- Micropolitan: 2.0%
- Rural: -%

Total average percent of GDP in the state: 0.8%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 0.8%
- Metropolitan: 0.7%
- Micropolitan: 1.7%
- Rural: -%

Total average percent of TPI in the state: 0.8%

Table A16. Maryland County Data

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Allegany	Metropolitan	\$71,484,188.52	2.53%	2.49%	-5.28%
2	Anne Arundel (Capital)	Metropolitan	\$316,650,959.64	0.70%	0.82%	17.64%
3	Baltimore City	Metropolitan	\$260,614,832.88	0.57%	0.84%	-7.47%
4	Baltimore County	Metropolitan	\$546,696,426.00	1.12%	1.07%	9.83%
5	Calvert	Metropolitan	\$54,512,648.76	1.32%	0.95%	23.39%
6	Caroline	Micropolitan	\$23,570,170.32	1.95%	1.54%	11.86%
7	Carroll	Metropolitan	\$126,785,068.80	2.18%	1.19%	11.62%
8	Cecil	Metropolitan	\$40,099,580.28	0.95%	0.82%	19.63%
9	Charles	Metropolitan	\$52,095,204.84	0.98%	0.57%	33.98%
10	Dorchester	Micropolitan	\$30,553,038.12	2.37%	2.05%	4.32%
11	Frederick	Metropolitan	\$122,568,100.92	0.98%	0.77%	30.92%
12	Garrett	Micropolitan	\$25,028,106.00	2.04%	1.88%	-2.29%
13	Harford	Metropolitan	\$169,391,315.40	1.43%	1.13%	16.18%
14	Howard	Metropolitan	\$174,018,781.32	0.73%	0.69%	30.40%
15	Kent	Micropolitan	\$15,456,583.68	1.86%	1.30%	0.97%
16	Montgomery	Metropolitan	\$267,980,679.00	0.31%	0.28%	20.52%
17	Prince George's	Metropolitan	\$233,299,802.76	0.56%	0.52%	13.45%
18	Queen Anne's	Metropolitan	\$44,418,603.24	2.66%	1.36%	23.88%
19	Saint Mary's	Metropolitan	\$43,147,387.68	0.65%	0.67%	30.68%
20	Somerset	Micropolitan	\$24,226,839.00	2.64%	2.99%	3.75%
21	Talbot	Micropolitan	\$31,201,977.60	1.57%	1.15%	9.33%
22	Washington	Metropolitan	\$98,779,236.96	1.40%	1.39%	14.40%
23	Wicomico	Metropolitan	\$76,272,229.68	1.55%	1.76%	21.92%
24	Worcester	Metropolitan	\$45,273,273.00	1.64%	1.46%	11.34%

Figure A46. Maryland County Type

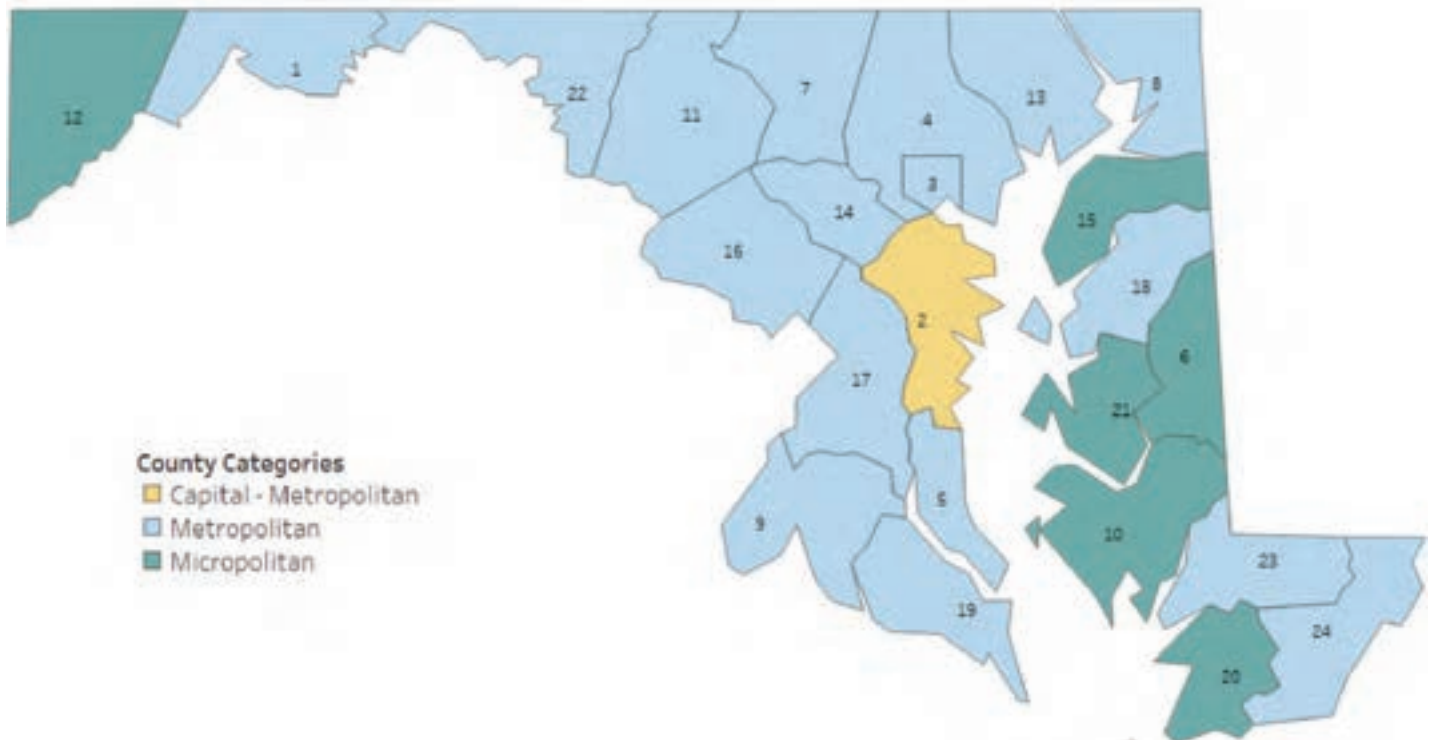


Figure A47. Maryland Pension Benefit Dollars as Share of County GDP

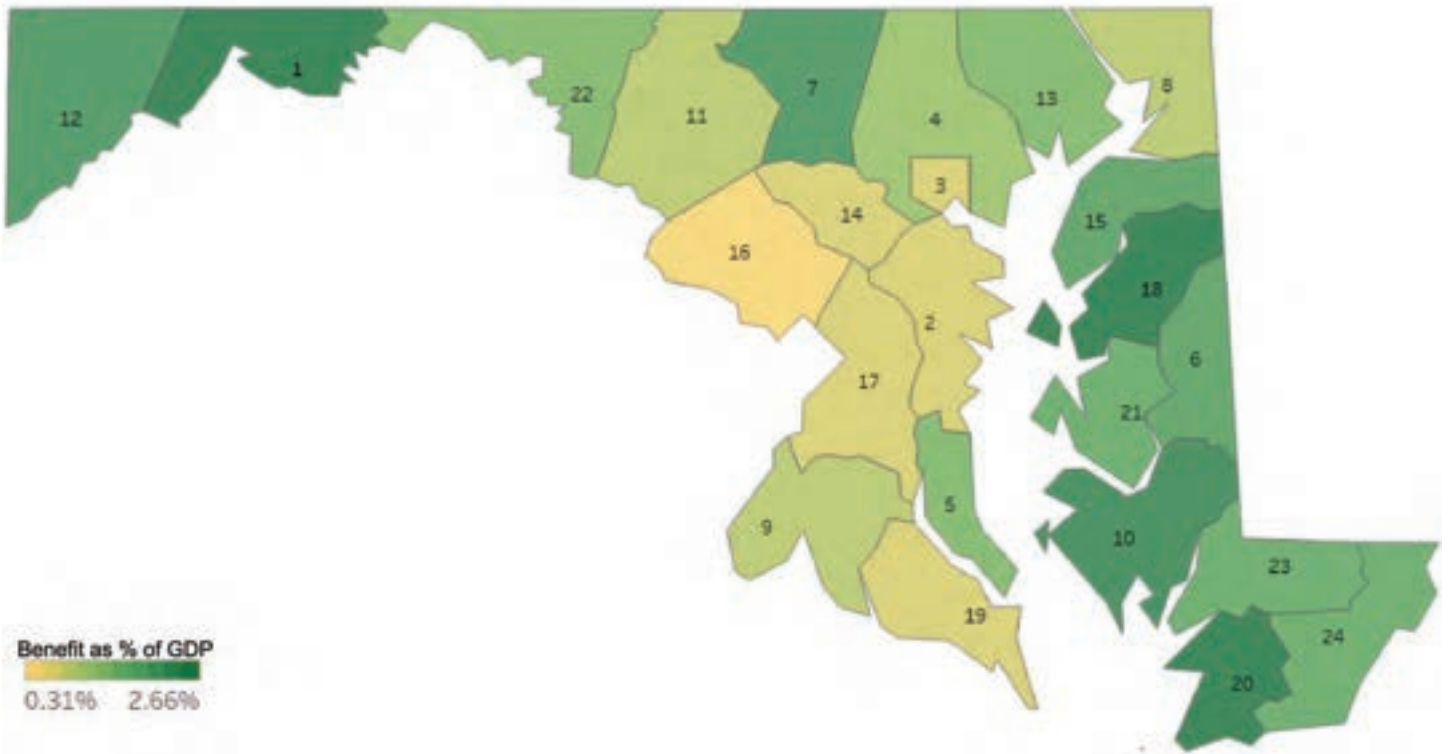
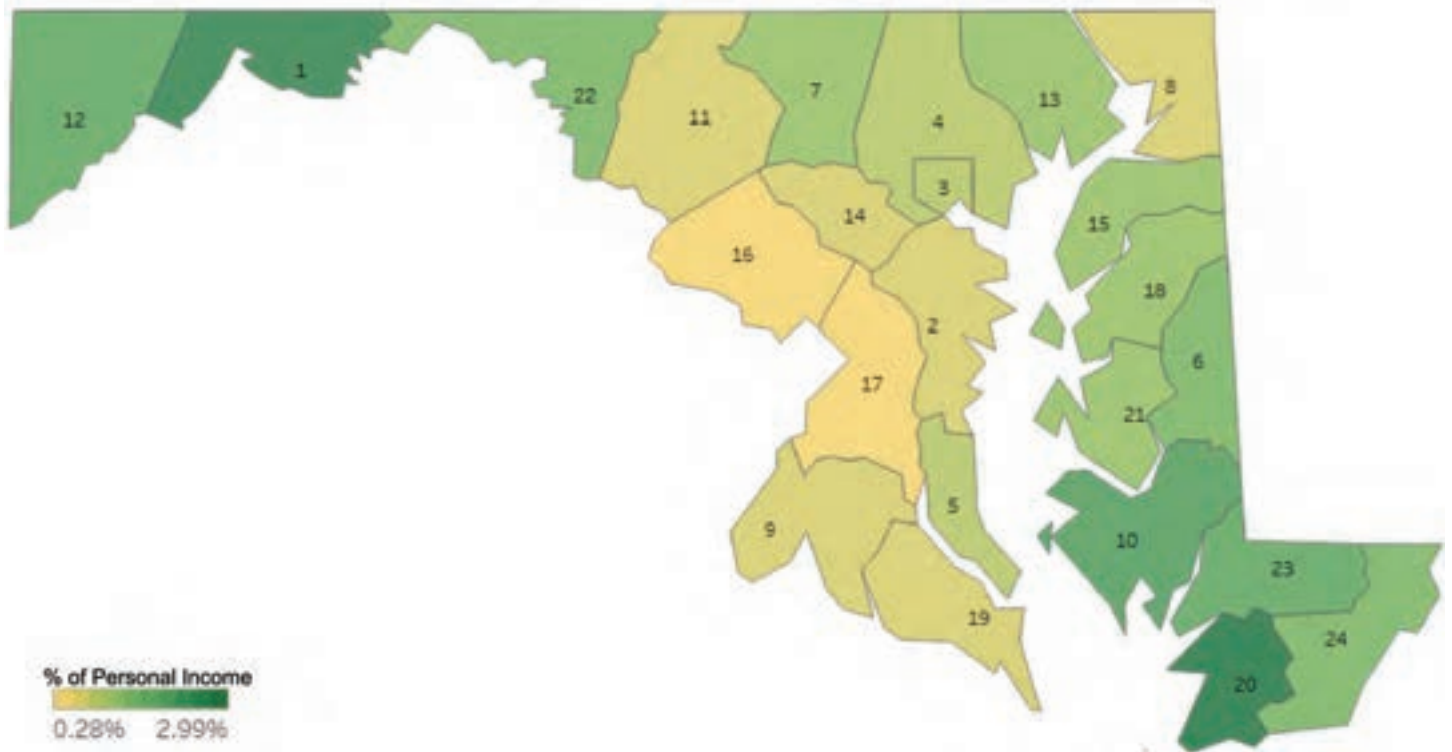


Figure A48. Maryland Pension Benefit Dollars as Share of County Total Personal Income



Overview

In Maryland, we received data from the Maryland State Retirement and Pension System.

MICHIGAN

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 2.5%
- Metropolitan: 1.0%
- Micropolitan: 2.8%
- Rural: 5.4%

Total average percent of GDP in the state: 1.2%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 2.6%
- Metropolitan: 1.0%
- Micropolitan: 2.2%
- Rural: 4.4%

Total average percent of TPI in the state: 1.2%

Table A17. Michigan County Data

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Alcona	Micropolitan	\$16,296,052.24	6.95%	4.10%	-11.58%
2	Alger	Rural	\$41,094,080.18	15.93%	13.38%	-7.76%
3	Allegan	Metropolitan	\$94,575,321.32	2.14%	1.78%	11.04%
4	Alpena	Micropolitan	\$25,993,206.88	2.56%	2.24%	-9.43%
5	Antrim	Micropolitan	\$52,400,180.16	9.35%	4.76%	1.10%
6	Arenac	Micropolitan	\$17,745,595.32	4.34%	3.16%	-12.90%
7	Baraga	Rural	\$9,788,314.64	3.78%	3.51%	-4.87%
8	Barry	Metropolitan	\$42,449,112.71	2.96%	1.55%	7.76%
9	Bay	Metropolitan	\$80,232,363.10	2.30%	1.85%	-5.66%
10	Benzie	Micropolitan	\$42,968,426.95	11.07%	5.56%	10.97%
11	Berrien	Metropolitan	\$75,437,033.69	1.10%	1.03%	-5.12%
12	Branch	Micropolitan	\$37,053,963.78	2.82%	2.26%	-4.73%
13	Calhoun	Metropolitan	\$66,262,577.59	1.15%	1.22%	-2.54%
14	Cass	Metropolitan	\$20,483,462.89	2.01%	0.88%	1.07%
15	Charlevoix	Micropolitan	\$23,790,271.82	2.13%	1.71%	0.59%
16	Cheboygan	Micropolitan	\$30,529,818.97	5.19%	3.00%	-3.91%
17	Chippewa	Micropolitan	\$42,650,120.62	3.97%	3.32%	-2.66%
18	Clare	Micropolitan	\$36,166,772.73	4.16%	3.45%	-1.58%
19	Clinton (Capital)	Metropolitan	\$179,277,830.55	10.11%	4.86%	22.51%
20	Crawford	Micropolitan	\$21,863,376.51	4.95%	4.54%	-2.61%
21	Delta	Micropolitan	\$36,652,661.95	3.12%	2.52%	-6.91%
22	Dickinson	Micropolitan	\$18,765,589.40	1.48%	1.50%	-7.60%
23	Eaton (Capital)	Metropolitan	\$142,640,376.02	3.32%	3.04%	5.95%
24	Emmet	Micropolitan	\$17,221,221.85	1.10%	0.91%	5.95%
25	Genesee	Metropolitan	\$296,525,736.98	2.20%	1.77%	-6.71%
26	Gladwin	Micropolitan	\$10,691,659.96	2.28%	1.14%	-2.64%
27	Gogebic	Micropolitan	\$12,359,671.14	2.66%	2.05%	-13.09%
28	Grandtraverse	Metropolitan	\$70,594,161.21	1.51%	1.51%	19.21%
29	Gratiot	Micropolitan	\$30,683,014.15	2.38%	2.00%	-3.99%
30	Hillsdale	Micropolitan	\$27,372,680.74	1.83%	1.63%	-1.67%
31	Houghton	Micropolitan	\$26,341,132.52	2.37%	1.93%	0.56%
32	Huron	Micropolitan	\$32,227,534.80	2.37%	2.28%	-13.62%
33	Ingham (Capital)	Metropolitan	\$201,588,622.95	1.39%	1.69%	4.80%

Table A17. Michigan County Data (continued)

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
34	Ionia	Metropolitan	\$55,392,251.15	3.60%	2.45%	4.38%
35	Iosco	Micropolitan	\$17,781,048.30	2.49%	1.87%	-8.26%
36	Iron	Micropolitan	\$13,772,261.62	4.30%	2.76%	-15.38%
37	Isabella	Metropolitan	\$53,357,194.74	2.36%	2.13%	11.38%
38	Jackson	Metropolitan	\$98,870,784.58	1.75%	1.56%	0.25%
39	Kalamazoo	Metropolitan	\$130,861,777.46	1.04%	1.01%	11.01%
40	Kalkaska	Micropolitan	\$9,706,871.81	1.81%	1.57%	7.56%
41	Kent	Metropolitan	\$231,721,033.90	0.60%	0.66%	13.83%
42	Keweenaw	Rural	\$2,428,201.37	3.89%	2.41%	-8.17%
43	Lake	Micropolitan	\$28,532,794.33	13.53%	7.55%	4.84%
44	Lapeer	Metropolitan	\$63,076,960.08	3.16%	1.64%	0.14%
45	Leelanau	Micropolitan	\$23,858,313.41	3.70%	1.63%	3.05%
46	Lenawee	Metropolitan	\$53,993,249.78	2.02%	1.39%	-0.63%
47	Livingston	Metropolitan	\$117,272,960.19	1.86%	1.05%	21.84%
48	Luce	Rural	\$11,430,039.88	6.40%	5.72%	-10.55%
49	Mackinac	Micropolitan	\$18,038,223.13	2.91%	3.76%	-9.68%
50	Macomb	Metropolitan	\$361,113,059.56	0.99%	0.89%	10.99%
51	Manistee	Micropolitan	\$27,357,031.53	3.92%	2.87%	0.00%
52	Marquette	Metropolitan	\$47,860,115.45	1.55%	1.80%	2.91%
53	Mason	Micropolitan	\$31,065,973.13	3.04%	2.56%	2.92%
54	Mecosta	Micropolitan	\$45,142,962.90	3.84%	3.03%	7.38%
55	Menominee	Micropolitan	\$11,614,995.16	1.66%	1.16%	-9.25%
56	Midland	Metropolitan	\$41,654,456.14	0.85%	0.83%	0.40%
57	Missaukee	Micropolitan	\$10,606,335.33	2.96%	2.01%	4.39%
58	Monroe	Metropolitan	\$68,997,050.96	1.22%	0.97%	3.08%
59	Montcalm	Metropolitan	\$24,880,720.75	1.56%	1.11%	4.41%
60	Montmorency	Rural	\$6,654,774.41	2.43%	1.92%	-10.18%
61	Muskegon	Metropolitan	\$149,370,988.07	2.49%	2.20%	1.99%
62	Newaygo	Micropolitan	\$15,218,168.01	1.19%	0.82%	2.13%
63	Oakland	Metropolitan	\$655,229,350.94	0.65%	0.72%	5.45%
64	Oceana	Micropolitan	\$14,366,571.55	2.00%	1.42%	-0.92%
65	Ogemaw	Micropolitan	\$14,711,035.53	2.59%	1.98%	-3.20%
66	Ontonagon	Rural	\$7,350,458.24	5.17%	3.16%	-25.88%
67	Osceola	Micropolitan	\$5,400,198.22	0.80%	0.64%	0.62%
68	Oscoda	Rural	\$4,090,581.51	1.95%	1.46%	-12.13%
69	Otsego	Micropolitan	\$19,204,029.28	2.07%	1.92%	5.85%
70	Ottawa	Metropolitan	\$113,315,004.79	0.86%	0.79%	21.90%

Table A17. Michigan County Data (continued)

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
71	Presque Isle	Micropolitan	\$11,248,007.68	2.82%	2.26%	-11.61%
72	Roscommon	Micropolitan	\$20,409,580.42	3.51%	2.30%	-6.22%
73	Saginaw	Metropolitan	\$113,268,216.33	1.39%	1.53%	-9.16%
74	St.Clair	Metropolitan	\$89,019,047.53	1.74%	1.26%	-2.98%
75	St.Joseph	Metropolitan	\$16,800,794.95	0.88%	0.71%	-2.21%
76	Sanilac	Micropolitan	\$20,315,016.83	1.79%	1.30%	-7.55%
77	Schoolcraft	Rural	\$8,519,531.43	2.73%	2.64%	-9.38%
78	Shiawassee	Metropolitan	\$35,190,995.86	2.09%	1.31%	-4.88%
79	Tuscola	Metropolitan	\$29,012,720.33	2.23%	1.45%	-9.87%
80	Vanburen	Metropolitan	\$27,041,840.64	1.00%	0.87%	-1.07%
81	Washtenaw	Metropolitan	\$214,940,870.04	0.98%	0.98%	14.89%
82	Wayne	Metropolitan	\$611,784,500.69	0.70%	0.81%	-14.91%
83	Wexford	Micropolitan	\$8,734,326.73	0.72%	0.72%	9.78%

Figure A49. Michigan County Type

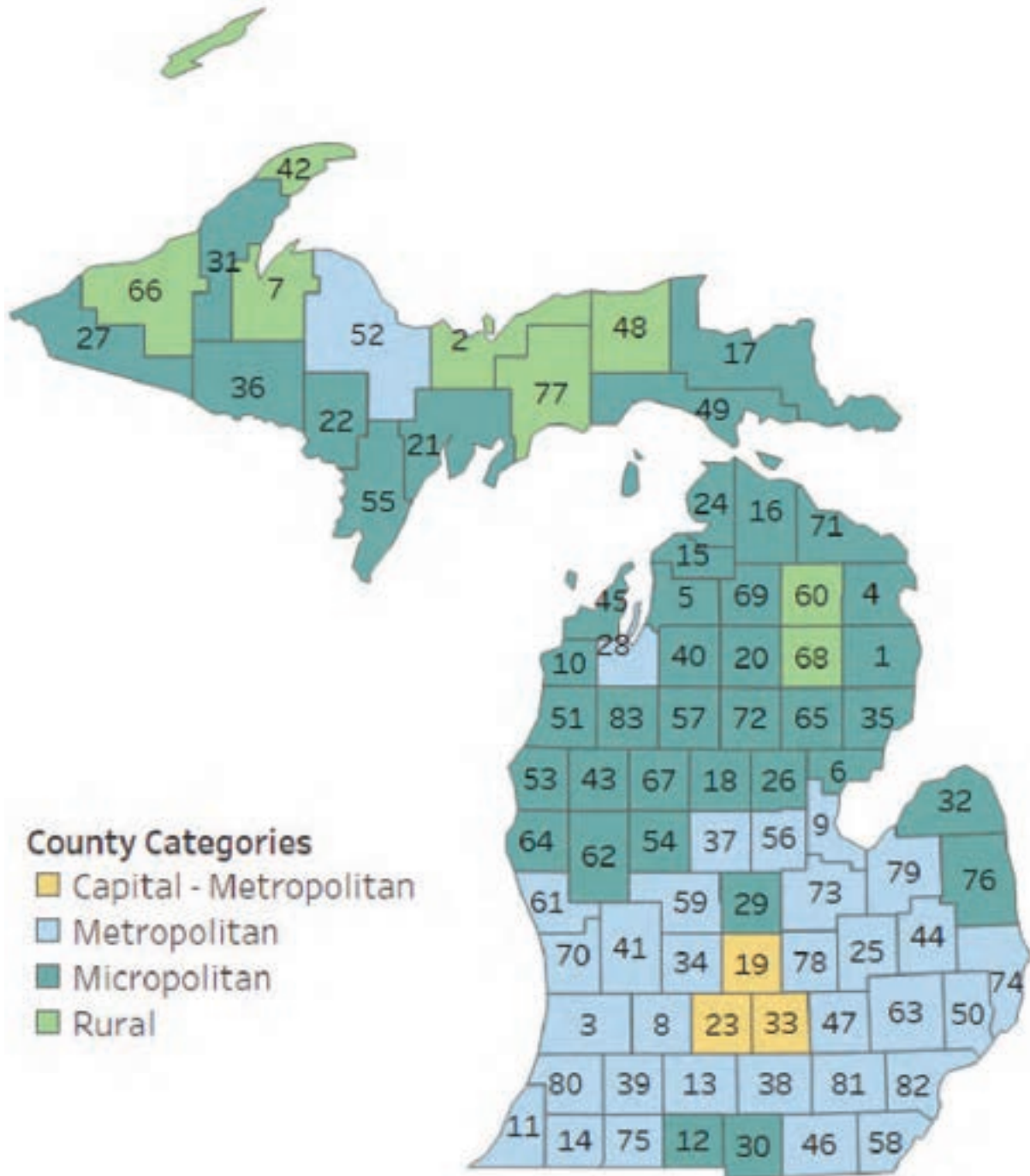


Figure A50. Michigan Pension Benefit Dollars as Share of County GDP

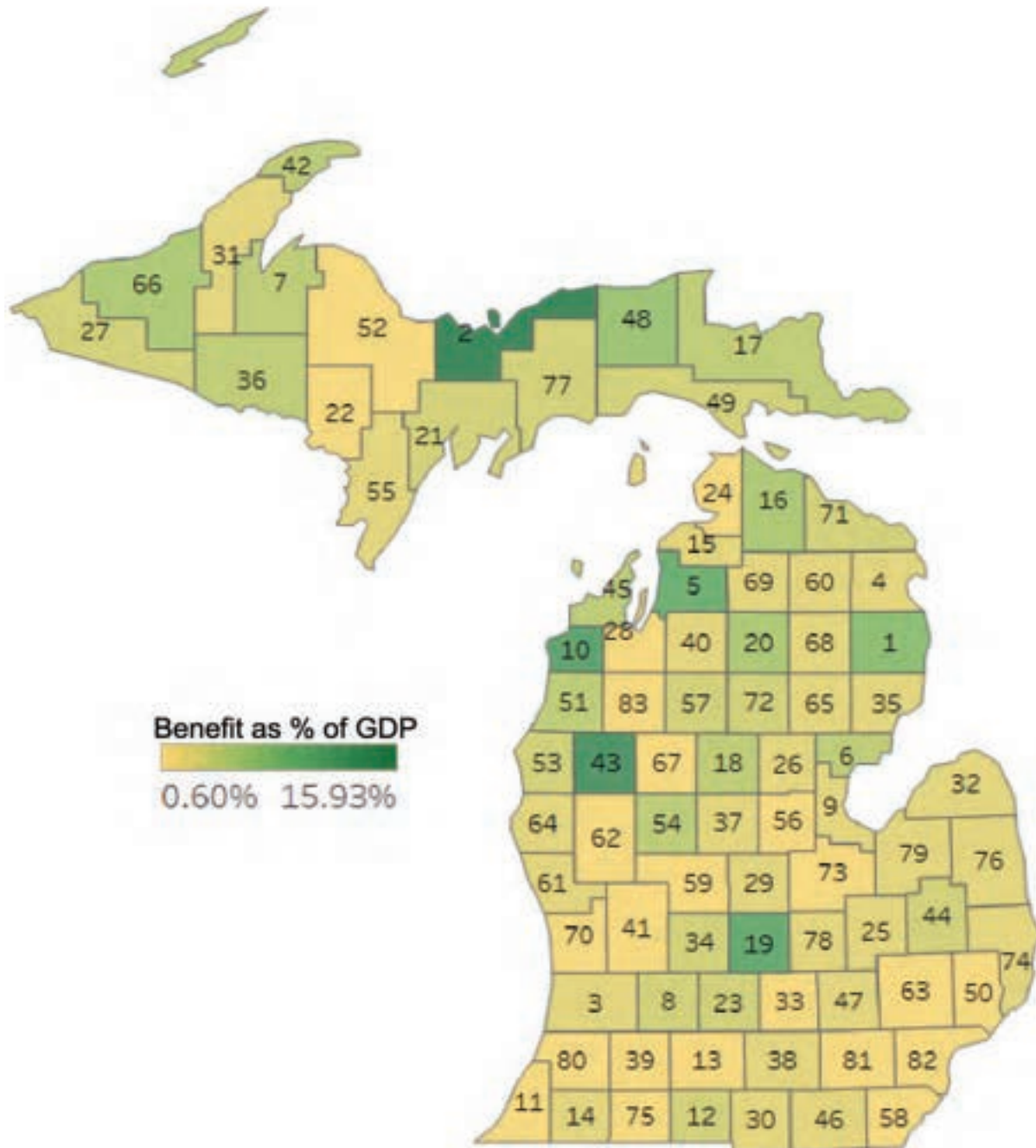
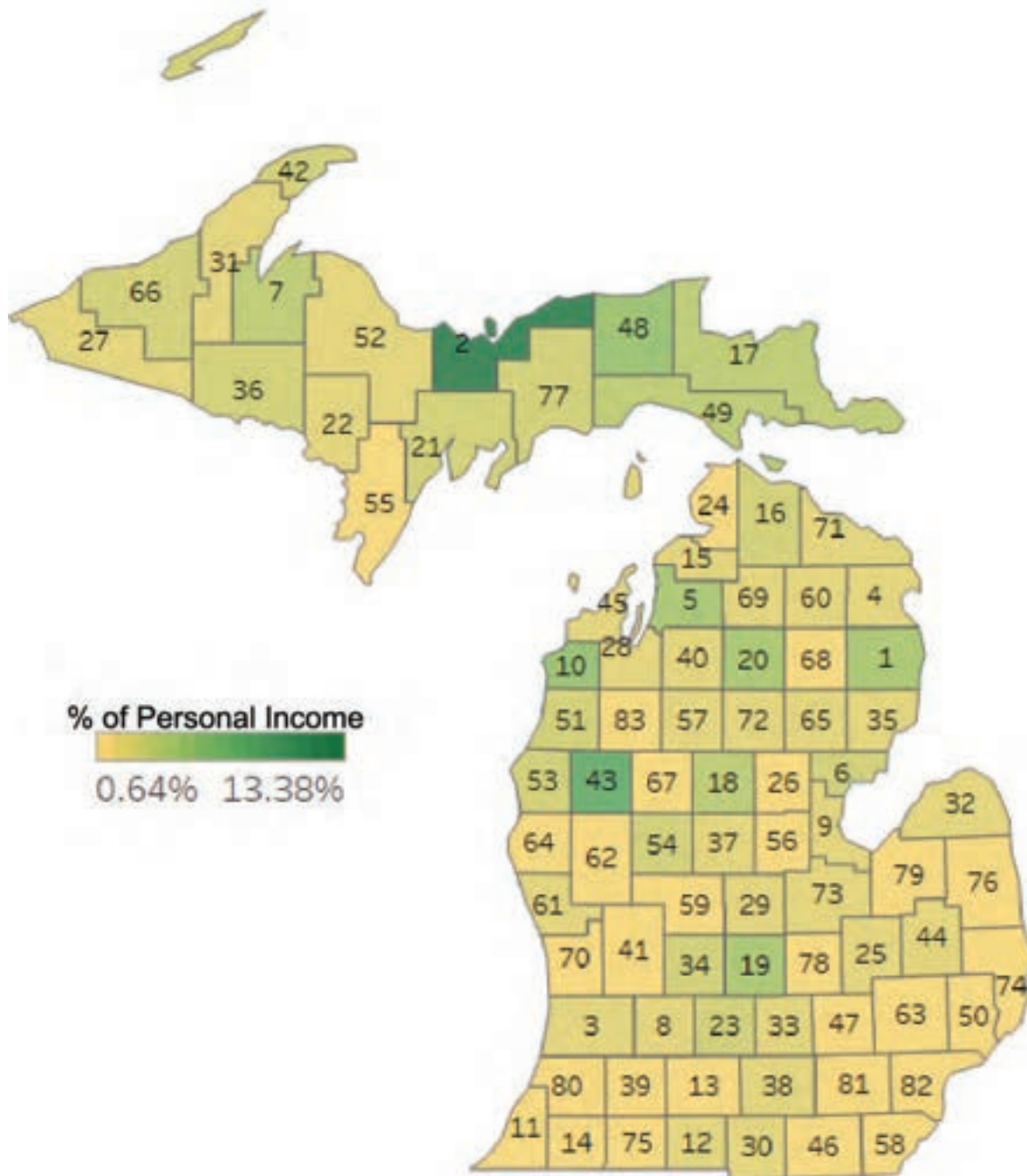


Figure A51. Michigan Pension Benefit Dollars as Share of County Total Personal Income



Overview

In Michigan, we received data from the Judges Retirement System, the Municipal Employees Retirement System of Michigan, the Public School Employees Retirement System, the State Employees Retirement System, and the State Police Retirement System.

MINNESOTA

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 1.2%
- Metropolitan: 1.2%
- Micropolitan: 2.1%
- Rural: 1.6%

Total average percent of GDP in the state: 1.3%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 1.6%
- Metropolitan: 1.2%
- Micropolitan: 1.9%
- Rural: 1.7%

Total average percent of TPI in the state: 1.4%

Table A18. Minnesota County Data

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Aitkin	Micropolitan	\$21,420,244.06	4.92%	3.39%	3.93%
2	Anoka	Metropolitan	\$271,972,729.98	1.95%	1.50%	18.70%
3	Becker	Micropolitan	\$34,456,212.28	2.70%	2.12%	14.57%
4	Beltrami	Micropolitan	\$46,803,510.20	2.90%	2.40%	18.15%
5	Benton	Micropolitan	\$24,040,831.86	1.55%	1.35%	18.46%
6	BigStone	Rural	\$5,047,558.00	2.06%	1.77%	-14.28%
7	BlueEarth	Metropolitan	\$57,170,840.12	1.43%	1.91%	20.53%
8	Brown	Micropolitan	\$13,855,841.00	1.03%	1.04%	-6.69%
9	Carlton	Micropolitan	\$39,641,747.44	3.50%	2.57%	13.15%
10	Carver	Metropolitan	\$56,186,102.44	1.13%	0.76%	47.50%
11	Cass	Micropolitan	\$45,525,350.72	5.11%	3.25%	8.73%
12	Chippewa	Micropolitan	\$10,464,802.84	1.78%	1.76%	-8.89%
13	Chisago	Metropolitan	\$47,351,107.48	3.34%	1.74%	36.06%
14	Clay	Metropolitan	\$33,611,524.48	1.83%	1.22%	24.84%
15	Clearwater	Rural	\$8,848,085.48	3.14%	2.28%	4.59%
16	Cook	Rural	\$8,281,729.32	3.29%	2.78%	4.35%
17	Cottonwood	Micropolitan	\$8,741,395.00	1.25%	1.62%	-7.31%
18	CrowWing	Metropolitan	\$79,947,868.96	3.20%	2.70%	17.77%
19	Dakota	Metropolitan	\$316,747,403.47	1.23%	1.23%	19.53%
20	Dodge	Micropolitan	\$11,266,447.00	1.64%	1.13%	17.43%
21	Douglas	Micropolitan	\$45,801,017.50	2.52%	2.25%	15.67%
22	Faribault	Micropolitan	\$9,385,823.16	1.88%	1.57%	-14.97%
23	Fillmore	Micropolitan	\$14,202,374.44	2.36%	1.49%	-0.30%
24	Freeborn	Micropolitan	\$26,657,419.00	2.34%	1.91%	-6.57%
25	Goodhue	Micropolitan	\$40,711,699.55	1.51%	1.64%	5.16%
26	Grant	Rural	\$5,618,788.68	1.69%	1.78%	-4.26%
27	Hennepin	Metropolitan	\$820,651,407.85	0.67%	0.87%	12.83%
28	Houston	Micropolitan	\$9,800,065.64	1.87%	1.01%	-5.78%
29	Hubbard	Micropolitan	\$28,051,023.24	4.18%	3.04%	16.09%
30	Isanti	Micropolitan	\$39,951,457.04	3.65%	2.27%	27.74%
31	Itasca	Micropolitan	\$56,329,939.60	2.71%	2.86%	2.54%
32	Jackson	Rural	\$10,648,136.94	1.59%	2.02%	-12.04%
33	Kanabec	Micropolitan	\$15,949,370.76	4.16%	2.32%	8.08%
34	Kandiyohi	Micropolitan	\$56,489,149.48	2.21%	2.41%	4.01%

Table A18. **Minnesota County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
33	Kanabec	Micropolitan	\$15,949,370.76	4.16%	2.32%	8.08%
34	Kandiyohi	Micropolitan	\$56,489,149.48	2.21%	2.41%	4.01%
35	Kittson	Rural	\$4,082,140.00	1.42%	1.73%	-19.62%
36	Koochiching	Micropolitan	\$13,044,041.76	2.70%	2.50%	-13.34%
37	LacquiParle	Rural	\$7,193,303.88	2.03%	1.94%	-17.47%
38	Lake	Micropolitan	\$17,183,572.32	2.53%	3.35%	-3.62%
39	LakeoftheWoods	Rural	\$3,329,458.00	1.80%	1.54%	-16.90%
40	LeSueur	Micropolitan	\$24,001,255.72	2.64%	1.73%	12.07%
41	Lincoln	Rural	\$4,349,419.00	1.23%	1.58%	-11.76%
42	Lyon	Micropolitan	\$17,726,709.00	1.29%	1.40%	0.80%
43	Mahnomen	Rural	\$3,036,465.00	1.67%	1.49%	6.34%
44	Marshall	Rural	\$7,264,805.00	1.94%	1.50%	-7.53%
45	Martin	Micropolitan	\$16,147,235.08	1.58%	1.63%	-9.25%
46	McLeod	Micropolitan	\$24,040,843.64	1.35%	1.36%	2.79%
47	Meeker	Micropolitan	\$19,339,906.00	2.41%	1.90%	2.19%
48	MilleLacs	Micropolitan	\$16,877,171.80	2.20%	1.55%	17.06%
49	Morrison	Micropolitan	\$25,694,430.56	2.18%	1.82%	4.59%
50	Mower	Micropolitan	\$25,282,065.00	1.33%	1.30%	3.65%
51	Murray	Rural	\$7,085,109.00	1.16%	1.56%	-9.70%
52	Nicollet	Micropolitan	\$37,266,102.88	2.54%	2.20%	14.94%
53	Nobles	Micropolitan	\$12,896,131.40	1.01%	1.30%	5.24%
54	Norman	Rural	\$5,462,291.00	2.01%	1.91%	-12.99%
55	Olmsted	Metropolitan	\$94,560,154.36	0.88%	1.03%	25.75%
56	OtterTail	Metropolitan	\$65,208,742.32	2.86%	2.30%	2.89%
57	Pennington	Micropolitan	\$11,116,256.00	0.94%	1.42%	4.37%
58	Pine	Micropolitan	\$29,325,412.00	4.45%	2.68%	11.13%
59	Pipestone	Rural	\$5,919,576.00	0.80%	1.13%	-8.57%
60	Polk	Micropolitan	\$23,914,130.52	1.72%	1.55%	0.51%
61	Pope	Micropolitan	\$13,960,300.44	2.48%	2.42%	-1.24%
62	Ramsey (Capital)	Metropolitan	\$474,254,988.77	1.21%	1.57%	7.67%
63	RedLake	Rural	\$3,131,848.00	1.36%	1.51%	-6.98%
64	Redwood	Micropolitan	\$10,203,051.00	1.24%	1.35%	-9.31%
65	Renville	Micropolitan	\$11,594,934.84	1.59%	1.54%	-14.82%
66	Rice	Metropolitan	\$55,866,438.43	2.43%	1.90%	17.40%
67	Rock	Rural	\$6,463,836.00	0.91%	1.32%	-3.16%
68	Roseau	Micropolitan	\$10,472,522.48	0.85%	1.35%	-7.27%

Table A18. **Minnesota County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
69	Scott	Metropolitan	\$71,530,528.02	1.27%	0.81%	64.68%
70	Sherburne	Metropolitan	\$59,129,393.39	1.86%	1.31%	49.08%
71	Sibley	Micropolitan	\$10,923,030.00	2.42%	1.56%	-2.14%
72	St.Louis	Metropolitan	\$226,700,886.31	2.13%	2.39%	-0.39%
73	Stearns	Metropolitan	\$115,306,696.90	1.45%	1.53%	19.59%
74	Steele	Micropolitan	\$24,956,779.20	1.15%	1.42%	9.27%
75	Stevens	Rural	\$8,060,668.88	1.25%	1.66%	-2.98%
76	Swift	Rural	\$9,740,505.40	1.93%	2.03%	-21.84%
77	Todd	Micropolitan	\$20,369,574.00	2.48%	1.97%	0.64%
78	Traverse	Rural	\$3,832,463.00	1.47%	1.89%	-19.98%
79	Wabasha	Micropolitan	\$17,820,452.20	2.71%	1.69%	0.16%
80	Wadena	Micropolitan	\$11,237,892.00	2.31%	2.05%	0.44%
81	Waseca	Micropolitan	\$13,742,007.88	1.66%	1.65%	-4.28%
82	Washington	Metropolitan	\$259,679,273.56	2.66%	1.47%	28.87%
83	Watsonwan	Micropolitan	\$7,136,611.00	1.70%	1.51%	-7.54%
84	Wilkin	Rural	\$4,568,035.00	1.38%	1.23%	-12.38%
85	Winona	Metropolitan	\$36,581,109.96	1.46%	1.44%	1.68%
86	Wright	Metropolitan	\$76,283,909.03	1.91%	1.11%	51.52%
87	YellowMedicine	Rural	\$9,078,497.00	1.46%	1.62%	-11.60%

Figure A52. Minnesota County Type

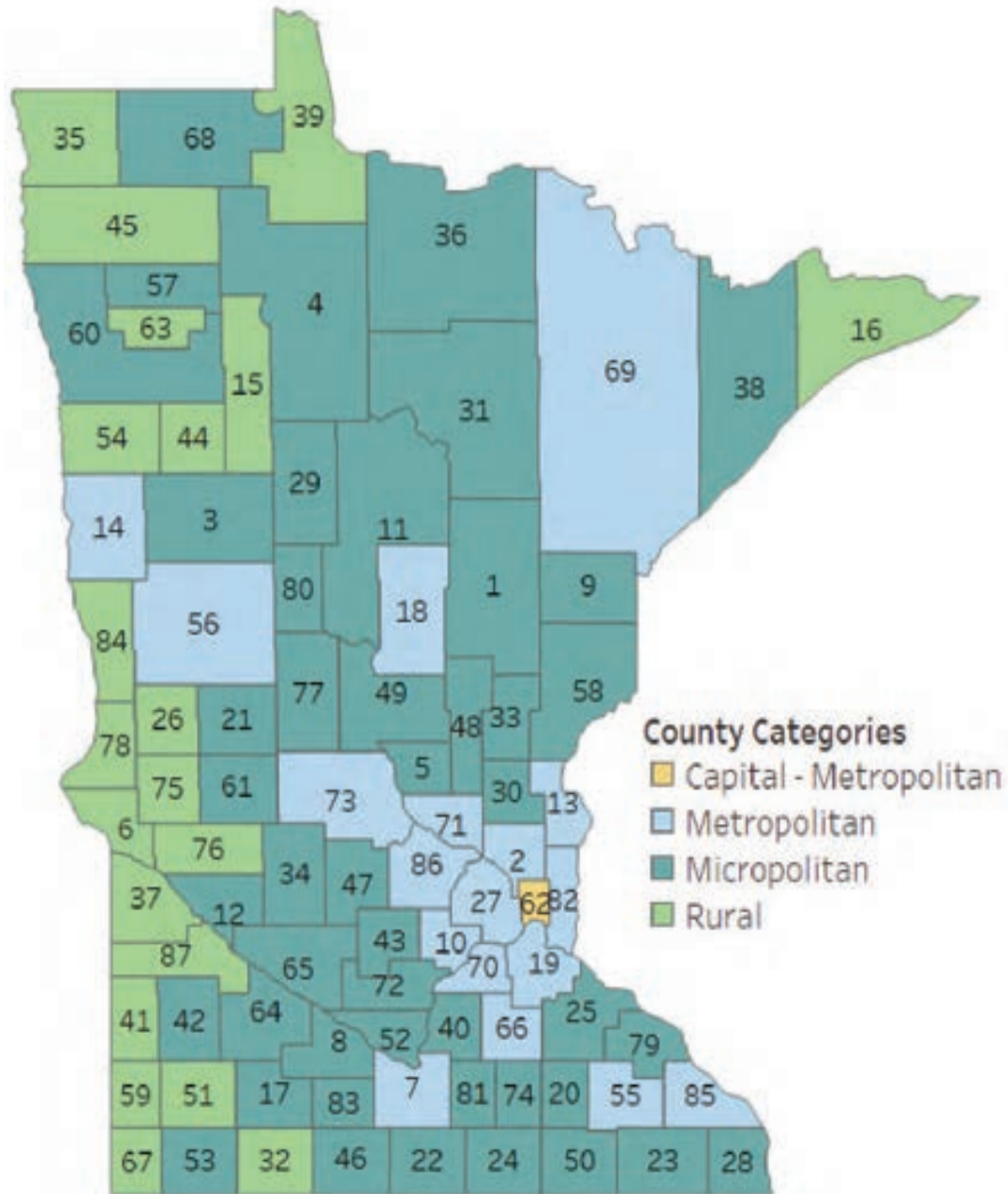


Figure A53. Minnesota Pension Benefit Dollars as Share of County GDP

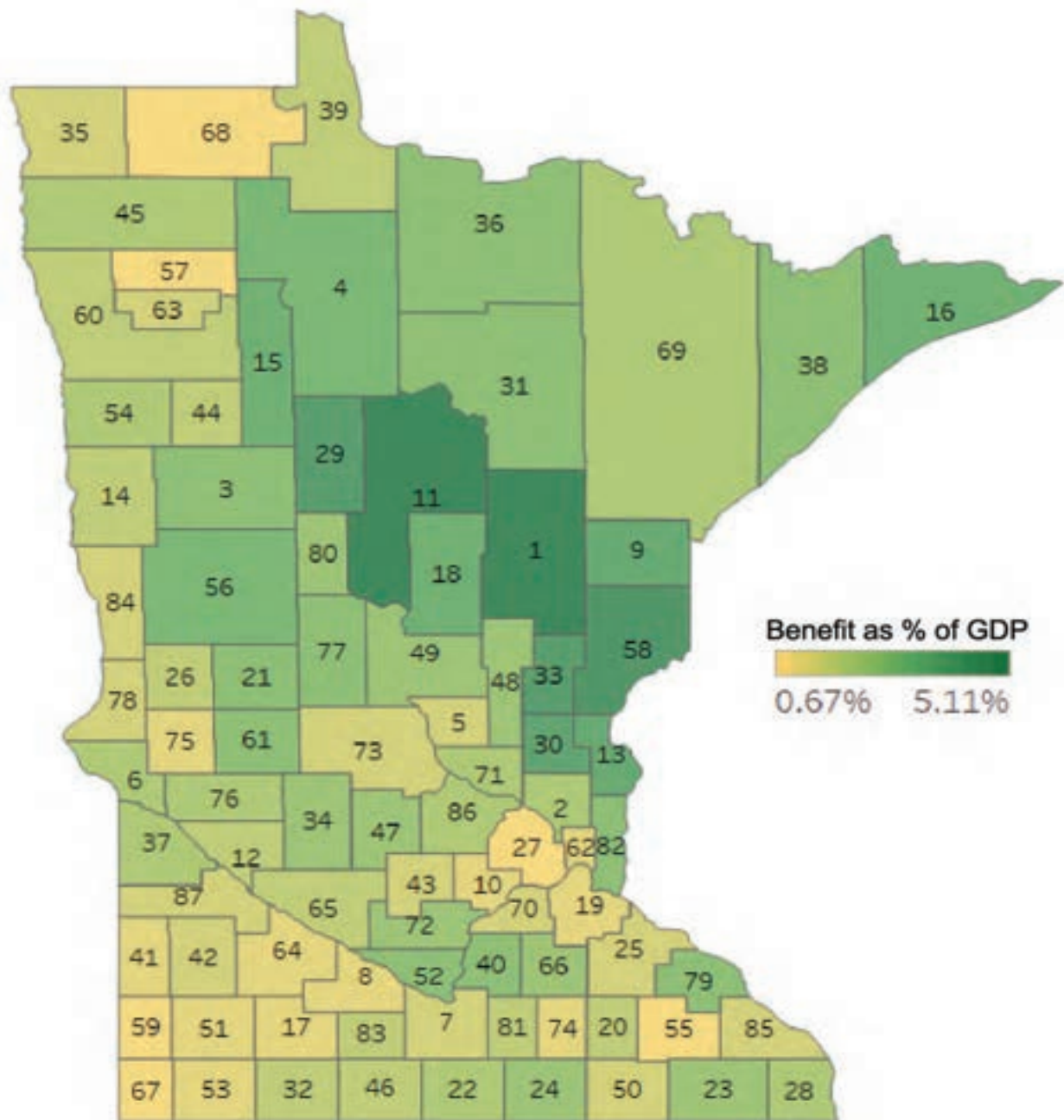
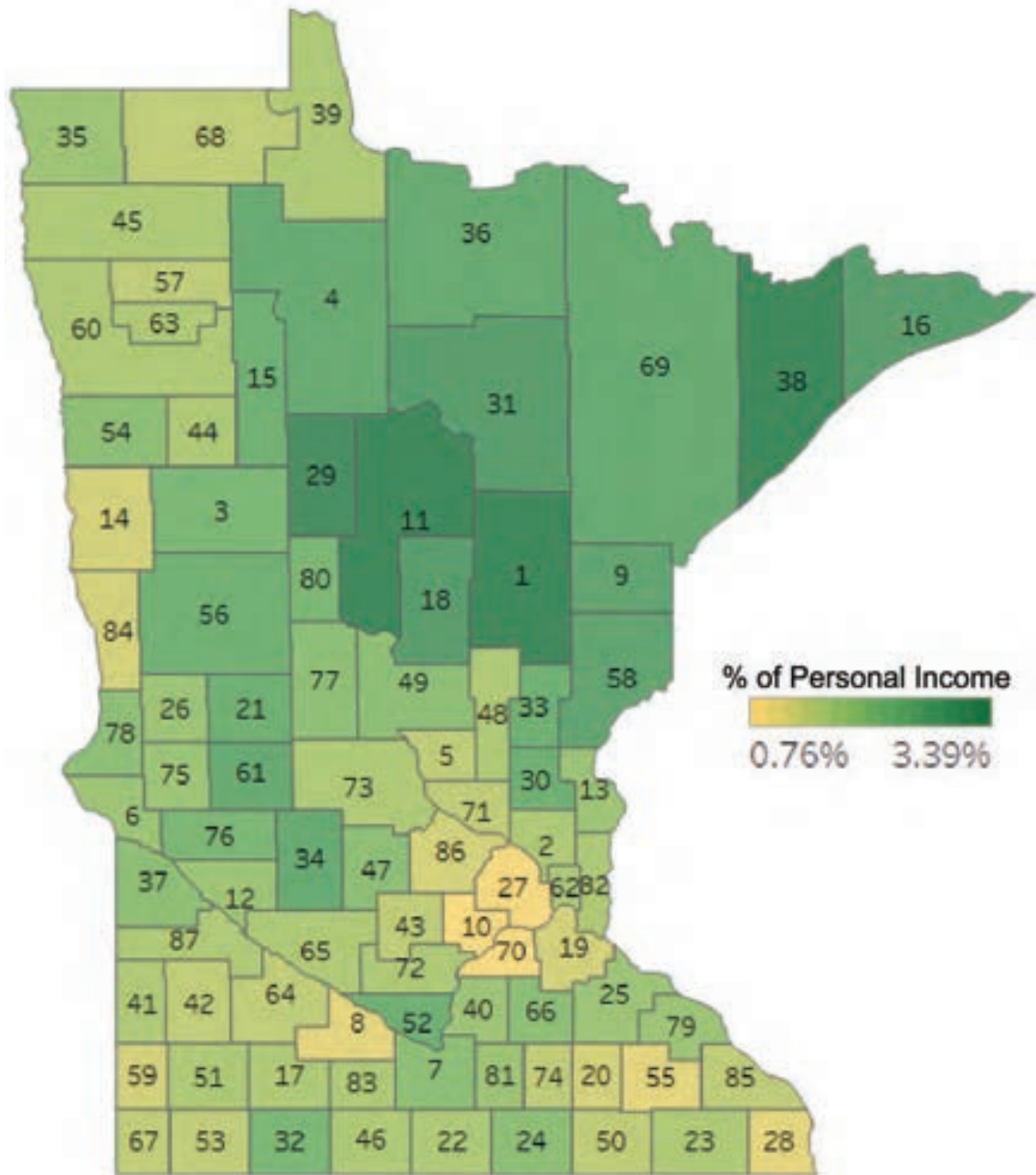


Figure A54. Minnesota Pension Benefit Dollars as Share of County Total Personal Income



Overview

In Minnesota, we received data from the following plans: Teachers Retirement Association of Minnesota, Minnesota State Retirement System, Public Employees Retirement Association of Minnesota, and St. Paul Teachers' Retirement Fund Association.

MISSISSIPPI

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 2.5%
- Metropolitan: 2.0%
- Micropolitan: 3.2%
- Rural: 2.7%

Total average percent of GDP in the state: 2.5%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 3.0%
- Metropolitan: 1.9%
- Micropolitan: 2.5%
- Rural: 3.0%

Total average percent of TPI in the state: 2.2%

Table A19. Mississippi County Data

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Adams	Micropolitan	\$30,397,124.34	3.44%	2.88%	-9.17%
2	Alcorn	Micropolitan	\$30,472,963.62	2.64%	2.29%	6.85%
3	Amite	Micropolitan	\$8,357,497.89	4.21%	2.03%	-9.36%
4	Attala	Micropolitan	\$20,041,123.04	4.47%	3.23%	-6.59%
5	Benton	Rural	\$4,372,697.11	1.38%	1.75%	3.05%
6	Bolivar	Micropolitan	\$39,136,978.22	4.07%	3.27%	-22.89%
7	Calhoun	Micropolitan	\$10,616,219.66	3.68%	2.23%	-4.20%
8	Carroll	Rural	\$10,899,206.75	9.07%	2.92%	-7.97%
9	Chickasaw	Micropolitan	\$13,691,832.13	3.00%	2.29%	-11.67%
10	Choctaw	Rural	\$8,196,292.92	1.17%	2.94%	-15.17%
11	Claiborne	Rural	\$9,207,155.49	1.58%	3.25%	-23.91%
12	Clarke	Micropolitan	\$12,179,419.97	4.47%	2.14%	-13.09%
13	Clay	Micropolitan	\$17,420,674.24	3.13%	2.29%	-11.80%
14	Coahoma	Micropolitan	\$25,941,812.76	4.28%	3.38%	-26.11%
15	Copiah	Micropolitan	\$24,676,578.79	4.01%	2.60%	-0.74%
16	Covington	Micropolitan	\$17,190,339.26	3.17%	2.55%	-2.85%
17	DeSoto	Metropolitan	\$41,120,351.75	0.82%	0.56%	69.78%
18	Forrest	Metropolitan	\$97,797,677.15	2.71%	3.35%	3.35%
19	Franklin	Rural	\$7,947,422.07	4.68%	3.00%	-7.81%
20	George	Micropolitan	\$13,758,515.63	3.45%	1.74%	26.67%
21	Greene	Micropolitan	\$7,272,795.59	4.70%	1.86%	2.16%
22	Grenada	Micropolitan	\$19,851,166.05	2.60%	2.65%	-9.49%
23	Hancock	Micropolitan	\$21,818,525.69	1.40%	1.31%	10.16%
24	Harrison	Metropolitan	\$126,340,001.23	1.60%	1.64%	8.99%
25	Hinds (Capital)	Metropolitan	\$283,062,176.48	2.52%	3.04%	-5.47%
26	Holmes	Micropolitan	\$16,179,634.68	6.21%	3.24%	-18.45%
27	Humphreys	Rural	\$6,864,883.74	4.36%	2.61%	-26.32%
28	Issaquena	Rural	\$577,088.98	3.14%	2.38%	-42.48%
29	Itawamba	Micropolitan	\$21,811,807.39	4.48%	2.67%	3.28%
30	Jackson	Metropolitan	\$92,966,274.35	1.24%	1.73%	9.02%
31	Jasper	Micropolitan	\$12,490,357.86	2.22%	2.04%	-9.48%
32	Jefferson	Rural	\$10,956,316.93	9.20%	4.66%	-27.04%

Table A19. **Mississippi County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
33	JeffersonDavis	Micropolitan	\$8,484,477.11	4.67%	2.51%	-19.54%
34	Jones	Metropolitan	\$62,143,944.83	2.43%	2.38%	5.39%
35	Kemper	Micropolitan	\$8,343,820.33	2.22%	2.84%	-4.08%
36	Lafayette	Metropolitan	\$76,673,932.27	4.10%	3.32%	41.42%
37	Lamar	Metropolitan	\$28,777,844.53	1.88%	1.14%	59.83%
38	Lauderdale	Metropolitan	\$67,465,269.83	2.44%	2.36%	-3.64%
39	Lawrence	Micropolitan	\$12,193,482.14	3.90%	2.83%	-6.06%
40	Leake	Micropolitan	\$16,193,551.42	3.16%	2.26%	8.71%
41	Lee	Metropolitan	\$67,414,709.63	1.57%	1.89%	12.47%
42	Leflore	Micropolitan	\$30,376,249.76	2.80%	2.89%	-23.79%
43	Lincoln	Micropolitan	\$25,750,193.29	2.61%	1.95%	3.13%
44	Lowndes	Metropolitan	\$42,321,430.37	1.53%	1.87%	-4.31%
45	Madison	Metropolitan	\$131,241,664.58	2.23%	1.94%	41.45%
46	Marion	Micropolitan	\$19,544,374.93	2.85%	2.29%	-3.44%
47	Marshall	Micropolitan	\$16,681,401.04	2.94%	1.45%	1.31%
48	Monroe	Micropolitan	\$26,877,745.77	3.30%	2.18%	-6.44%
49	Montgomery	Micropolitan	\$14,557,430.56	8.04%	4.25%	-17.77%
50	Neshoba	Micropolitan	\$21,742,434.54	2.33%	2.04%	1.54%
51	Newton	Micropolitan	\$19,386,681.69	4.31%	2.61%	-1.81%
52	Noxubee	Micropolitan	\$7,295,239.67	3.28%	2.11%	-16.04%
53	Oktibbeha	Micropolitan	\$86,732,477.06	5.60%	5.09%	15.61%
54	Panola	Micropolitan	\$27,112,139.43	2.64%	2.44%	-0.28%
55	PearlRiver	Metropolitan	\$27,504,494.48	2.82%	1.37%	13.92%
56	Perry	Micropolitan	\$9,334,299.91	3.70%	2.45%	-1.71%
57	Pike	Micropolitan	\$32,539,430.49	3.04%	2.65%	1.60%
58	Pontotoc	Micropolitan	\$20,208,794.66	2.39%	1.92%	19.11%
59	Prentiss	Micropolitan	\$20,435,088.93	3.91%	2.63%	-0.94%
60	Quitman	Rural	\$5,834,635.35	5.93%	3.05%	-30.31%
61	Rankin	Metropolitan	\$173,291,178.99	2.80%	2.52%	33.45%
62	Scott	Micropolitan	\$18,944,644.31	1.77%	2.09%	-0.48%
63	Sharkey	Rural	\$5,101,206.34	5.84%	3.63%	-33.48%
64	Simpson	Micropolitan	\$25,863,975.13	4.28%	2.61%	-3.19%
65	Smith	Micropolitan	\$11,081,941.51	2.44%	1.93%	-1.11%
66	Stone	Micropolitan	\$18,399,544.36	5.62%	3.12%	37.40%
67	Sunflower	Micropolitan	\$22,214,498.64	3.67%	2.80%	-25.12%
68	Tallahatchie	Micropolitan	\$10,593,380.62	4.72%	2.73%	-6.15%

Table A19. **Mississippi County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
69	Tate	Micropolitan	\$21,046,942.98	4.52%	2.08%	13.36%
70	Tippah	Micropolitan	\$18,426,049.01	3.81%	2.47%	5.61%
71	Tishomingo	Micropolitan	\$12,089,413.57	2.74%	1.85%	1.52%
72	Tunica	Rural	\$5,262,905.97	0.60%	1.63%	7.77%
73	Union	Micropolitan	\$22,077,648.87	2.32%	2.39%	12.79%
74	Walthall	Micropolitan	\$9,464,931.79	3.88%	2.06%	-4.56%
75	Warren	Micropolitan	\$39,246,268.80	1.92%	2.15%	-6.99%
76	Washington	Micropolitan	\$40,712,956.81	2.79%	2.40%	-28.45%
77	Wayne	Micropolitan	\$13,450,969.87	2.00%	1.91%	-4.33%
78	Webster	Rural	\$14,788,527.55	9.63%	3.93%	-4.92%
79	Wilkinson	Rural	\$6,969,096.02	4.65%	2.69%	-14.74%
80	Winston	Micropolitan	\$18,672,601.77	3.81%	2.88%	-9.90%
81	Yalobusha	Micropolitan	\$15,265,106.11	5.44%	3.35%	-5.05%
82	Yazoo	Micropolitan	\$20,103,836.24	3.06%	2.61%	0.35%

Figure A55. Mississippi County Type

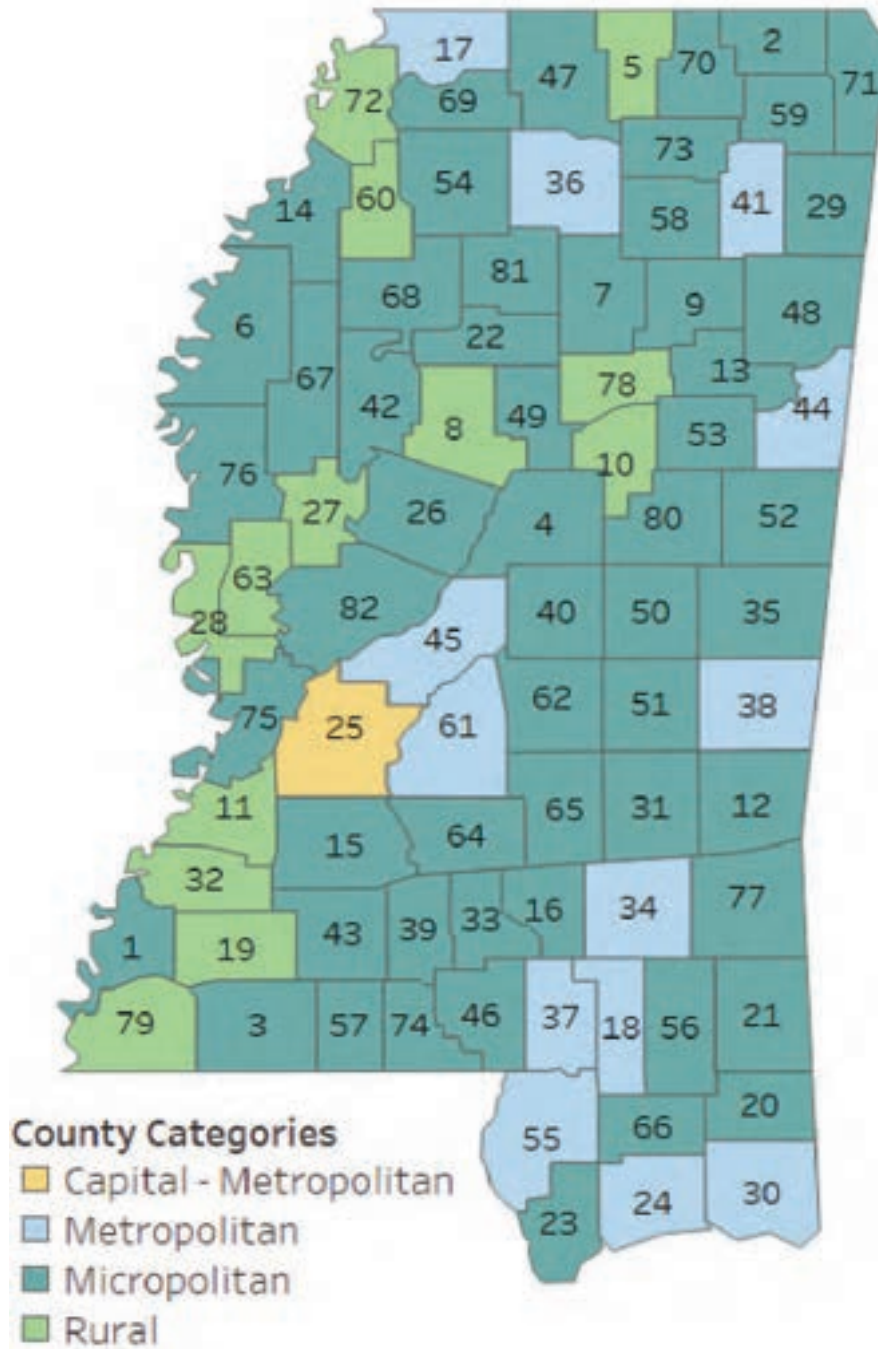


Figure A56. **Mississippi Pension Benefit Dollars as Share of County GDP**

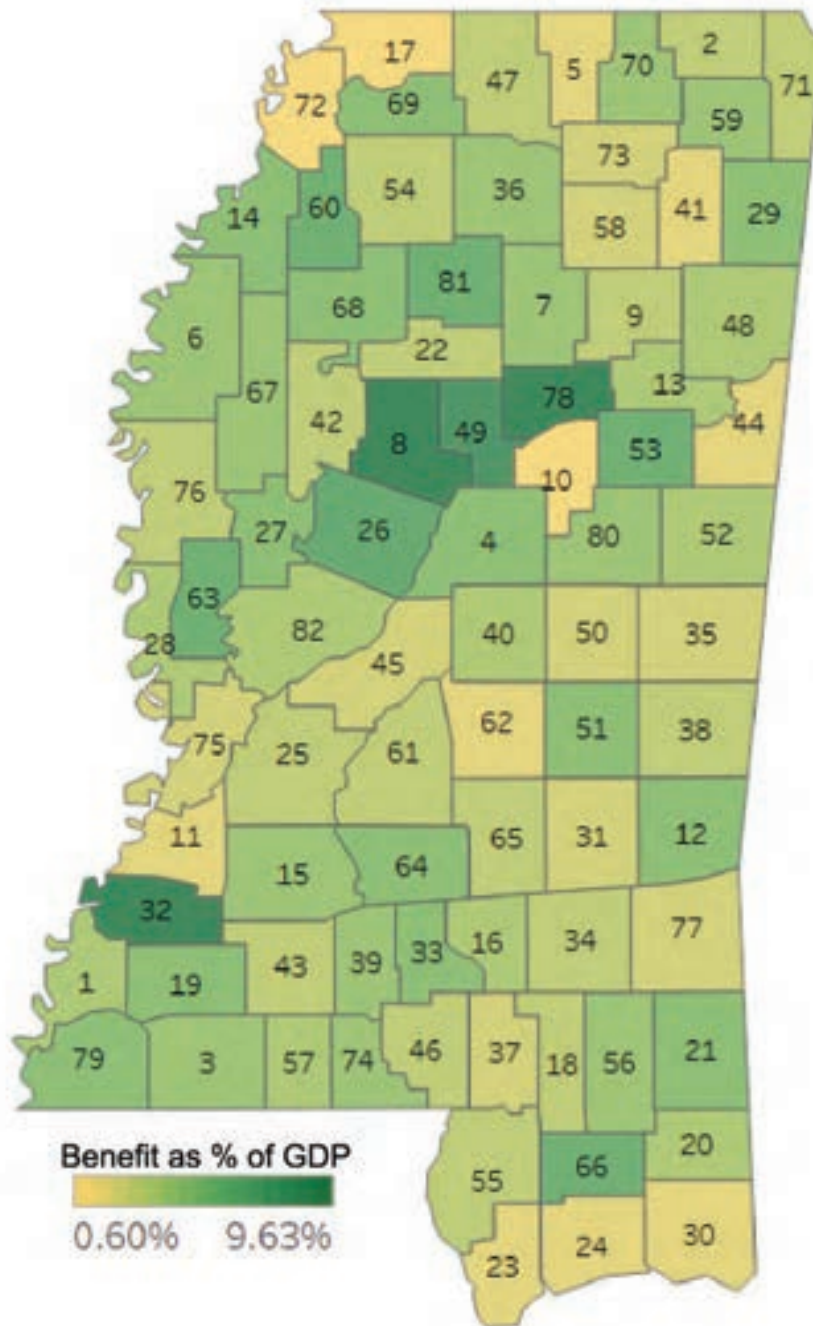
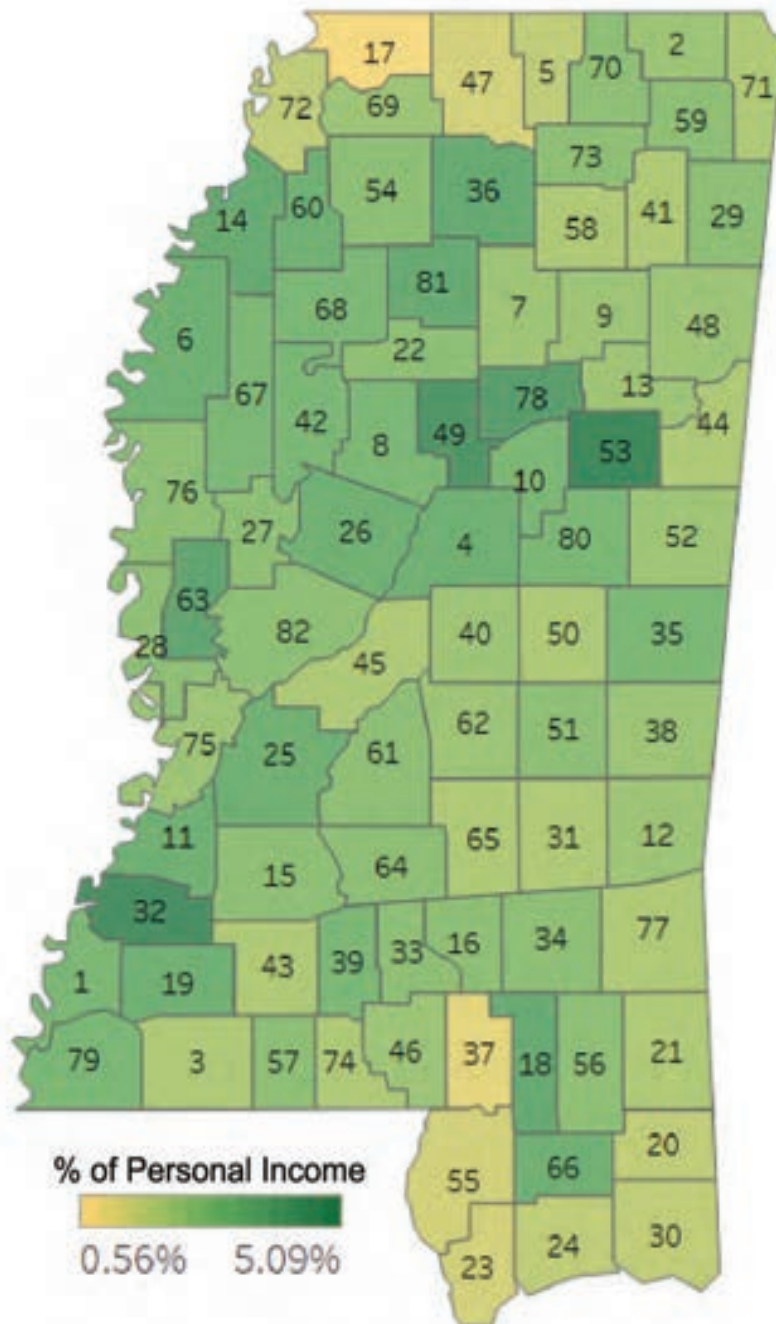


Figure A57. Mississippi Pension Benefit Dollars as Share of County Total Personal Income



Overview

In Mississippi, we received data from the Mississippi Public Employees Retirement System.

MISSOURI

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 4.7%
- Metropolitan: 1.1%
- Micropolitan: 2.6%
- Rural: 2.7%

Total average percent of GDP in the state: 1.4%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 5.4%
- Metropolitan: 1.1%
- Micropolitan: 2.0%
- Rural: 2.0%

Total average percent of TPI in the state: 1.4%

Table A20. Missouri County Data

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Adair	Micropolitan	\$25,607,975.56	3.34%	3.01%	1.45%
2	Andrew	Micropolitan	\$16,689,453.53	5.62%	2.10%	6.76%
3	Atchison	Rural	\$4,117,057.64	1.45%	1.87%	-19.58%
4	Audrain	Micropolitan	\$17,620,131.27	1.88%	1.72%	-1.47%
5	Barry	Micropolitan	\$16,042,338.46	1.22%	1.29%	5.52%
6	Barton	Micropolitan	\$6,590,951.56	1.83%	1.56%	-5.92%
7	Bates	Micropolitan	\$8,093,822.93	2.02%	1.28%	-2.00%
8	Benton	Micropolitan	\$12,842,187.33	3.66%	1.85%	12.21%
9	Bollinger	Micropolitan	\$5,520,983.41	2.94%	1.40%	1.16%
10	Boone	Metropolitan	\$122,120,998.92	1.50%	1.42%	32.89%
11	Buchanan	Metropolitan	\$74,370,839.83	1.73%	2.11%	2.99%
12	Butler	Micropolitan	\$36,980,029.90	2.69%	2.46%	4.34%
13	Caldwell	Rural	\$6,711,121.32	2.94%	1.98%	1.55%
14	Callaway	Micropolitan	\$66,170,666.74	4.09%	3.81%	10.11%
15	Camden	Micropolitan	\$36,576,403.50	2.77%	2.06%	23.65%
16	Cape Girardeau	Metropolitan	\$76,624,650.95	2.10%	2.10%	14.64%
17	Carroll	Rural	\$7,801,834.87	2.64%	1.98%	-14.99%
18	Carter	Rural	\$4,914,334.17	4.13%	2.53%	1.90%
19	Cass	Metropolitan	\$58,213,866.21	2.29%	1.18%	27.85%
20	Cedar	Micropolitan	\$9,910,234.99	3.75%	2.21%	3.15%
21	Chariton	Rural	\$6,657,038.38	3.01%	2.12%	-11.70%
22	Christian	Metropolitan	\$55,379,466.06	3.96%	1.58%	60.23%
23	Clark	Rural	\$2,939,234.28	2.03%	1.24%	-7.74%
24	Clay	Metropolitan	\$121,076,005.13	1.21%	1.02%	33.89%
25	Clinton	Micropolitan	\$16,215,893.55	4.59%	1.84%	7.86%
26	Cole (Capital)	Metropolitan	\$199,799,981.85	4.71%	5.44%	7.56%
27	Cooper	Micropolitan	\$14,721,912.83	3.19%	2.15%	5.60%
28	Crawford	Micropolitan	\$13,591,419.65	2.36%	1.57%	5.06%
29	Dade	Rural	\$4,975,349.30	2.85%	1.92%	-4.47%
30	Dallas	Micropolitan	\$9,046,297.46	3.43%	1.63%	7.03%
31	Daviess	Rural	\$7,374,266.61	4.04%	2.57%	3.71%
32	DeKalb	Micropolitan	\$8,219,200.14	2.62%	2.30%	8.91%
33	Dent	Micropolitan	\$10,425,915.64	3.44%	2.03%	3.44%
34	Douglas	Micropolitan	\$4,078,100.94	0.68%	1.08%	2.21%

Table A20. **Missouri County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
35	Dunklin	Micropolitan	\$20,866,889.24	2.84%	2.08%	-11.26%
36	Franklin	Metropolitan	\$69,394,541.93	1.73%	1.46%	10.51%
37	Gasconade	Micropolitan	\$12,111,240.40	3.02%	2.04%	-4.15%
38	Gentry	Rural	\$6,209,335.63	2.68%	2.26%	-3.40%
39	Greene	Metropolitan	\$215,908,039.10	1.44%	1.65%	21.44%
40	Grundy	Rural	\$8,055,430.59	1.77%	2.34%	-4.97%
41	Harrison	Rural	\$6,384,866.55	2.32%	1.98%	-4.93%
42	Henry	Micropolitan	\$14,476,564.34	2.11%	1.54%	-0.93%
43	Hickory	Rural	\$4,447,043.87	3.49%	1.68%	6.36%
44	Holt	Rural	\$4,506,507.27	2.61%	2.26%	-17.70%
45	Howard	Micropolitan	\$8,883,186.83	3.92%	2.26%	-0.73%
46	Howell	Micropolitan	\$30,378,945.37	2.71%	2.23%	7.62%
47	Iron	Micropolitan	\$8,655,387.92	2.04%	2.49%	-4.86%
48	Jackson	Metropolitan	\$298,651,778.59	0.71%	0.91%	6.94%
49	Jasper	Metropolitan	\$59,189,116.96	1.12%	1.23%	15.24%
50	Jefferson	Metropolitan	\$121,115,388.94	2.55%	1.26%	13.25%
51	Johnson	Metropolitan	\$48,063,935.01	3.06%	2.44%	11.18%
52	Knox	Rural	\$2,741,412.85	2.32%	2.12%	-9.49%
53	Laclede	Micropolitan	\$18,610,705.44	1.79%	1.43%	9.84%
54	Lafayette	Micropolitan	\$28,439,369.90	3.81%	2.07%	-1.10%
55	Lawrence	Micropolitan	\$22,933,223.91	2.79%	1.74%	8.96%
56	Lewis	Rural	\$4,936,575.52	2.17%	1.42%	-6.09%
57	Lincoln	Metropolitan	\$26,033,025.76	2.52%	1.11%	48.13%
58	Linn	Micropolitan	\$10,518,018.89	2.61%	2.17%	-12.48%
59	Livingston	Micropolitan	\$14,677,289.26	2.57%	2.43%	4.04%
60	Macon	Micropolitan	\$17,216,361.19	3.25%	2.68%	-3.86%
61	Madison	Micropolitan	\$10,739,500.42	4.03%	2.39%	3.29%
62	Maries	Rural	\$8,575,776.53	6.14%	2.93%	-1.51%
63	Marion	Micropolitan	\$21,159,900.69	2.01%	1.80%	1.07%
64	McDonald	Micropolitan	\$6,962,552.65	1.25%	1.08%	6.44%
65	Mercer	Rural	\$2,740,723.83	2.50%	2.32%	-3.09%
66	Miller	Micropolitan	\$23,432,208.00	2.64%	2.60%	7.52%
67	Mississippi	Micropolitan	\$9,241,579.62	2.51%	2.15%	-0.68%
68	Moniteau	Micropolitan	\$20,623,272.99	4.85%	3.41%	8.73%
69	Monroe	Rural	\$7,185,465.34	2.65%	1.94%	-6.95%
70	Montgomery	Micropolitan	\$9,076,699.23	2.87%	1.95%	-4.96%

Table A20. Missouri County Data (continued)

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
71	Morgan	Micropolitan	\$14,425,775.26	3.18%	1.65%	5.43%
72	NewMadrid	Micropolitan	\$13,431,673.54	1.20%	2.29%	-12.47%
73	Newton	Metropolitan	\$32,603,342.45	1.90%	1.42%	10.70%
74	Nodaway	Micropolitan	\$21,678,424.17	2.97%	3.13%	1.79%
75	Oregon	Micropolitan	\$5,614,803.43	2.70%	1.85%	1.90%
76	Osage	Micropolitan	\$22,104,188.93	5.50%	3.54%	4.99%
77	Ozark	Rural	\$5,730,677.45	3.85%	2.12%	-5.50%
78	Pemiscot	Micropolitan	\$13,906,275.73	3.28%	2.60%	-18.83%
79	Perry	Micropolitan	\$10,072,434.65	1.16%	1.27%	5.61%
80	Pettis	Micropolitan	\$29,638,197.15	1.92%	1.84%	7.97%
81	Phelps	Micropolitan	\$31,271,464.87	2.09%	1.79%	12.32%
82	Pike	Micropolitan	\$12,597,195.47	2.62%	1.95%	0.83%
83	Platte	Metropolitan	\$52,744,915.56	0.88%	0.87%	39.58%
84	Polk	Micropolitan	\$16,993,493.06	2.46%	1.57%	19.30%
85	Pulaski	Metropolitan	\$21,991,461.43	1.09%	1.04%	26.35%
86	Putnam	Rural	\$3,708,908.64	2.93%	2.30%	-8.92%
87	Ralls	Micropolitan	\$8,083,344.55	2.21%	1.94%	6.09%
88	Randolph	Micropolitan	\$17,375,868.47	1.50%	1.76%	0.41%
89	Ray	Micropolitan	\$14,478,819.66	3.50%	1.50%	-2.02%
90	Reynolds	Rural	\$3,501,474.13	1.58%	1.60%	-6.50%
91	Ripley	Micropolitan	\$8,759,150.32	4.28%	2.15%	-0.80%
92	Saline	Micropolitan	\$25,303,088.20	2.68%	2.86%	-3.62%
93	Schuyler	Rural	\$2,435,159.76	3.35%	1.83%	10.29%
94	Scotland	Rural	\$3,131,544.45	2.42%	1.90%	-0.34%
95	Scott	Micropolitan	\$28,987,474.78	2.07%	1.87%	-4.86%
96	Shannon	Rural	\$4,897,298.61	4.05%	1.96%	-1.62%
97	Shelby	Rural	\$5,818,309.50	3.40%	2.38%	-11.02%
98	St.Charles	Metropolitan	\$241,971,723.16	1.64%	1.13%	40.61%
99	St.Clair	Rural	\$5,673,448.53	3.78%	2.02%	-2.66%
100	St.Francois	Metropolitan	\$62,136,853.75	3.05%	2.70%	19.86%
101	St.Louis	Metropolitan	\$612,584,430.16	0.86%	0.86%	-1.91%
102	St.LouisCity	Metropolitan	\$57,955,341.02	0.20%	0.67%	-13.02%
103	Ste.Genevieve	Micropolitan	\$12,315,232.42	1.99%	1.65%	0.26%
104	Stoddard	Micropolitan	\$23,411,660.56	2.10%	2.17%	-1.68%
105	Stone	Micropolitan	\$18,104,367.62	3.12%	1.47%	10.79%

Table A20. **Missouri County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
106	Sullivan	Rural	\$3,422,503.24	1.33%	1.46%	-13.82%
107	Taney	Metropolitan	\$26,471,541.02	1.24%	1.32%	40.67%
108	Texas	Micropolitan	\$16,665,419.36	3.88%	2.31%	11.16%
109	Vernon	Micropolitan	\$17,444,904.12	1.98%	2.37%	0.36%
110	Warren	Micropolitan	\$21,439,148.86	2.24%	1.48%	41.53%
111	Washington	Micropolitan	\$14,014,436.19	3.96%	1.90%	6.85%
112	Wayne	Micropolitan	\$7,510,992.20	3.47%	1.94%	-1.03%
113	Webster	Micropolitan	\$18,718,842.22	2.81%	1.47%	25.98%
114	Worth	Rural	\$1,877,676.23	2.67%	2.59%	-14.36%
115	Wright	Micropolitan	\$11,245,911.33	3.05%	1.90%	2.36%

Figure A58. Missouri County Type

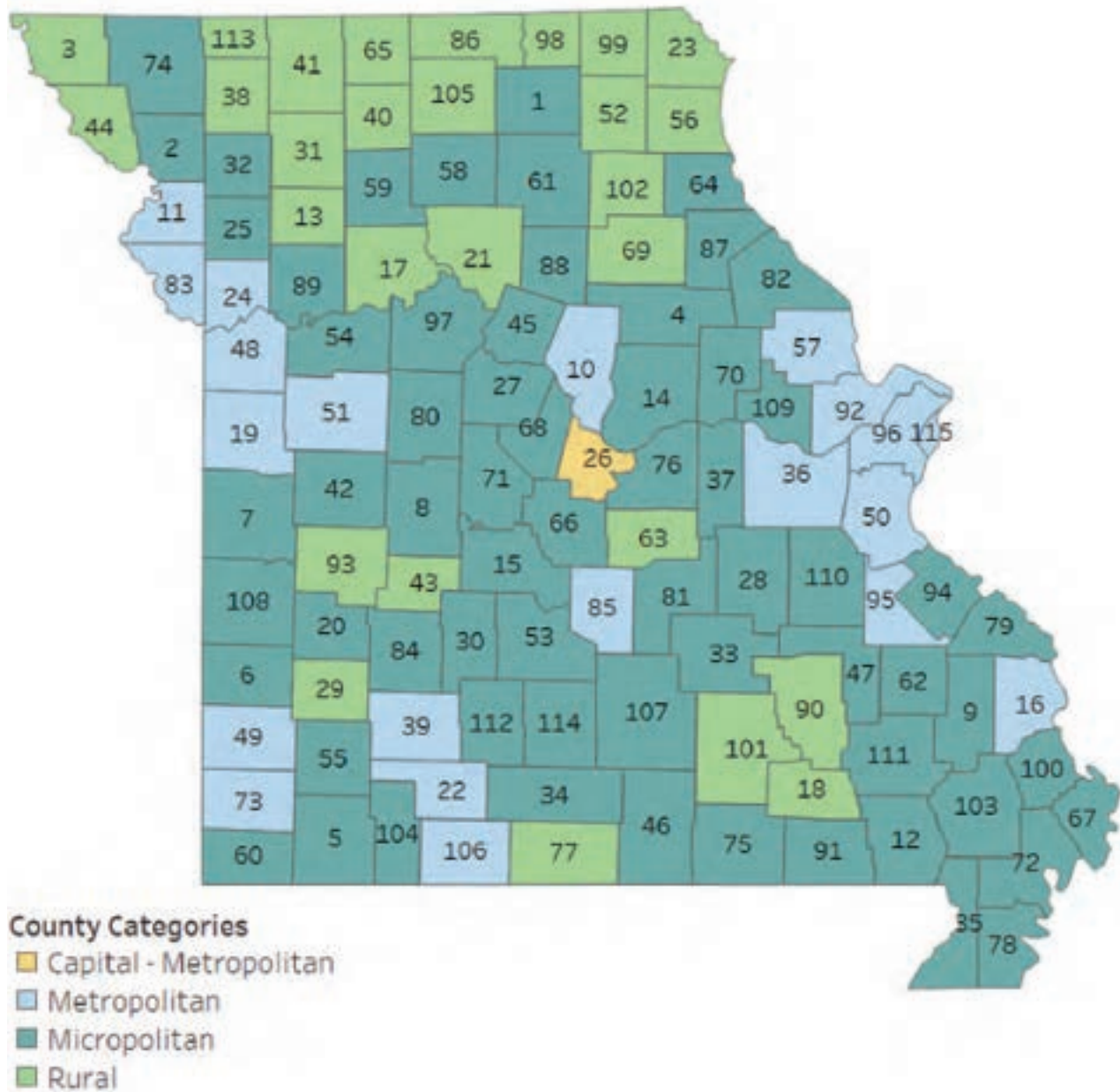


Figure A59. Missouri Pension Benefit Dollars as Share of County GDP

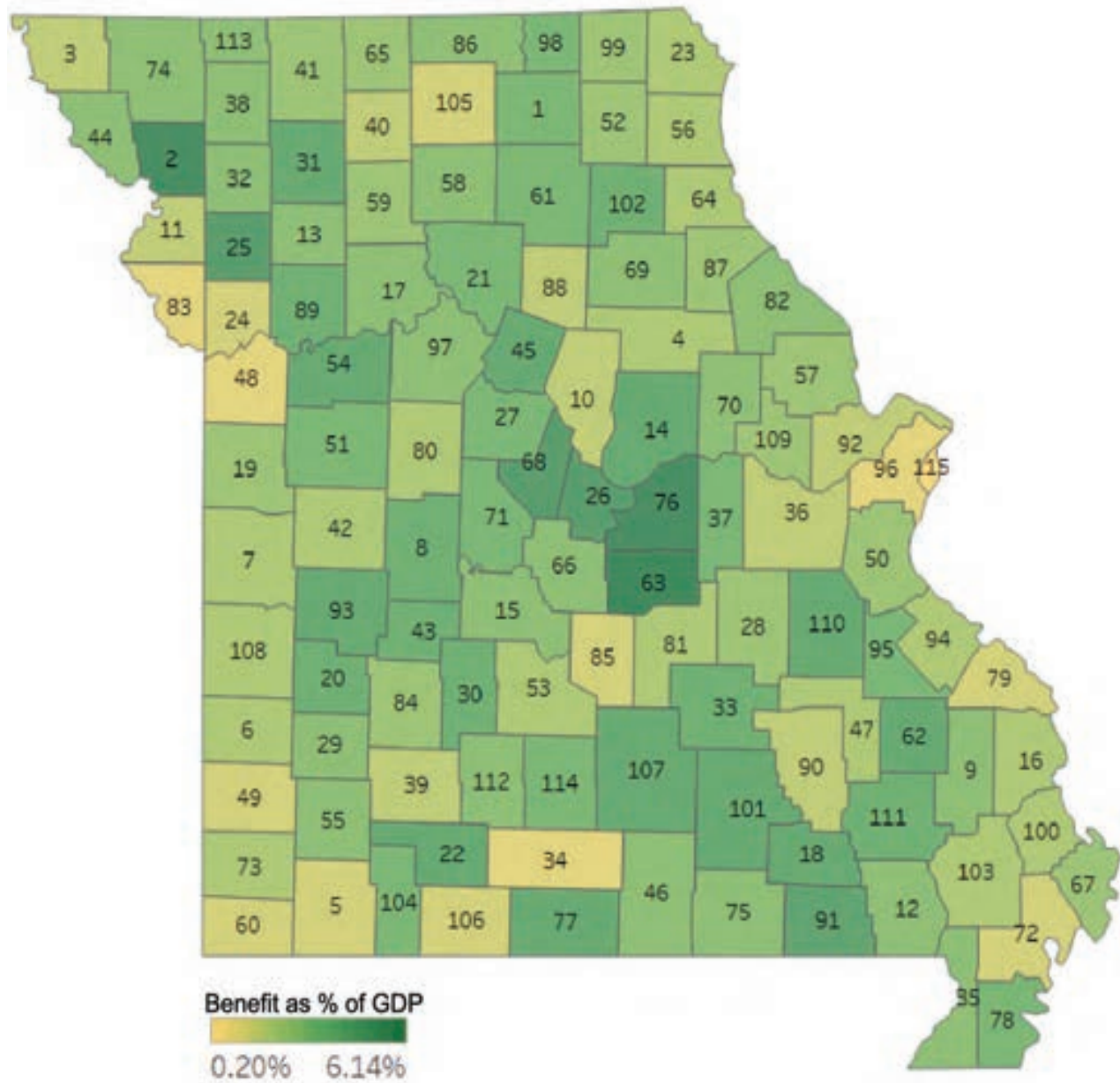
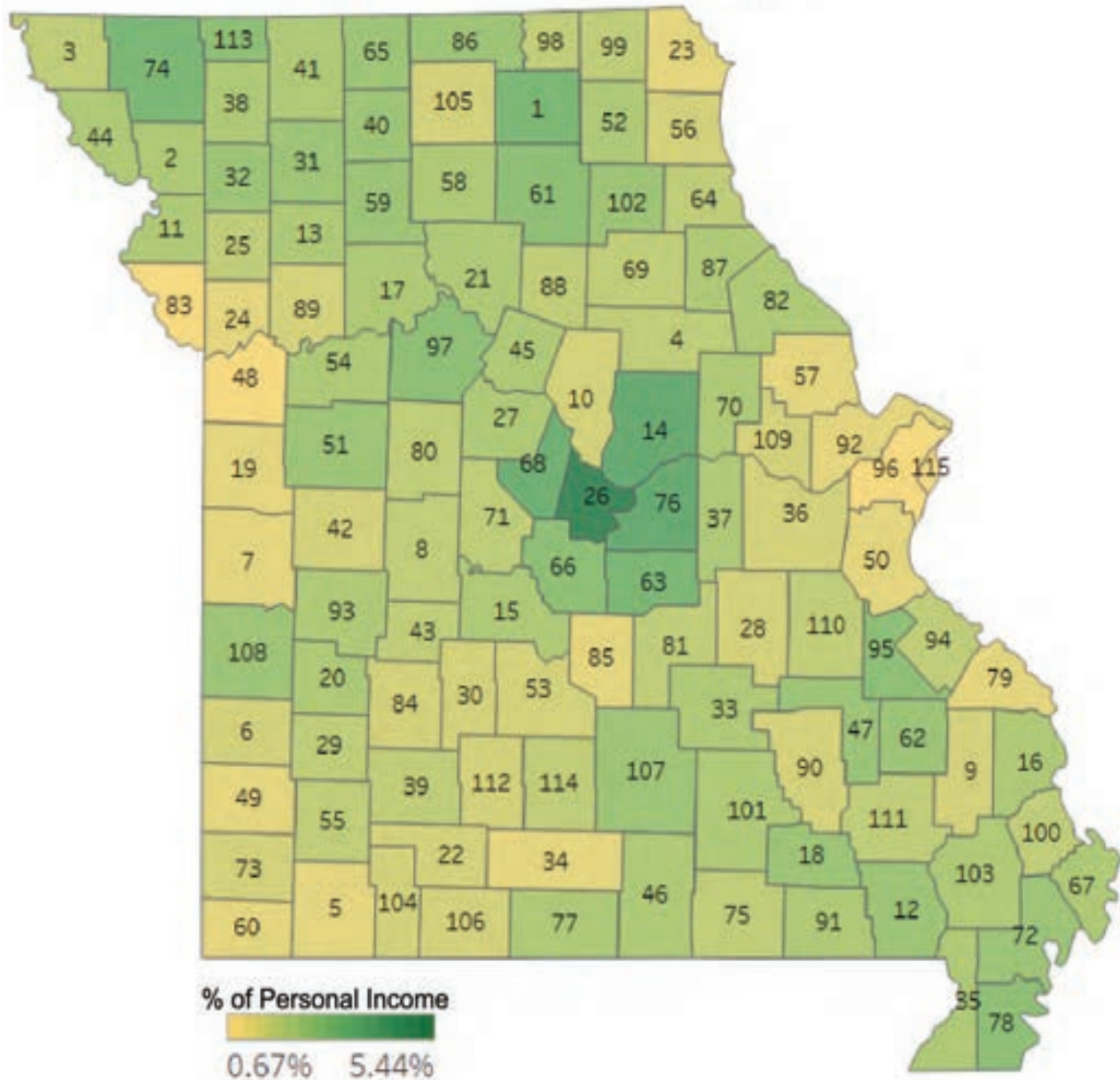


Figure A60. Missouri Pension Benefit Dollars as Share of County Total Personal Income



Overview

In Missouri, we received data from the following plans: Public School Retirement System of Missouri, Missouri Local Government Employees Retirement System, MoDot and Patrol Employees' Retirement System, Missouri State Employees Retirement System, Missouri County Employees' Retirement Fund, and Kansas City Public Schools Retirement System.

MONTANA

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 3.0%
- Metropolitan: 1.3%
- Micropolitan: 2.3%
- Rural: 1.7%

Total average percent of GDP in the state: 1.7%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 2.7%
- Metropolitan: 1.2%
- Micropolitan: 1.8%
- Rural: 1.8%

Total average percent of TPI in the state: 1.5%

Table A21. **Montana County Data**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Beaverhead	Rural	\$7,457,932.21	1.89%	1.78%	2.20%
2	BigHorn	Micropolitan	\$5,824,480.17	0.61%	1.43%	5.26%
3	Blaine	Rural	\$3,073,527.93	1.56%	1.44%	-2.88%
4	Broadwater	Rural	\$4,534,367.79	3.84%	1.90%	38.77%
5	Carbon	Micropolitan	\$6,857,492.58	2.73%	1.35%	12.16%
6	Carter	Rural	\$588,939.81	0.74%	1.07%	-8.97%
7	Cascade	Metropolitan	\$57,739,370.13	1.53%	1.49%	1.60%
8	Chouteau	Rural	\$3,525,170.66	1.68%	1.64%	-3.77%
9	Custer	Micropolitan	\$11,951,567.78	2.65%	2.31%	-0.94%
10	Daniels	Rural	\$1,178,452.52	1.37%	1.40%	-13.39%
11	Dawson	Rural	\$7,699,597.27	1.85%	1.96%	-4.18%
12	DeerLodge	Rural	\$17,287,597.93	6.70%	4.85%	-3.04%
13	Fallon	Rural	\$2,529,474.18	1.18%	1.75%	2.93%
14	Fergus	Micropolitan	\$10,324,211.82	2.47%	2.12%	-6.56%
15	Flathead	Metropolitan	\$53,414,498.28	1.43%	1.11%	37.11%
16	Gallatin	Metropolitan	\$57,518,410.85	1.11%	0.94%	64.93%
17	Garfield	Rural	\$514,556.44	0.93%	1.12%	-0.86%
18	Glacier	Micropolitan	\$5,660,532.54	1.31%	1.19%	3.77%
19	GoldenValley	Rural	\$879,650.87	3.35%	2.17%	-20.73%
20	Granite	Rural	\$2,439,397.18	2.79%	1.65%	19.36%
21	Hill	Micropolitan	\$11,072,023.49	1.50%	1.50%	-1.96%
22	Jefferson	Micropolitan	\$53,672,033.55	20.89%	9.25%	20.38%
23	JudithBasin	Rural	\$1,417,890.87	0.82%	1.44%	-16.19%
24	Lake	Micropolitan	\$15,103,940.96	2.12%	1.27%	14.12%
25	LewisandClark (Capital)	Metropolitan	\$91,523,965.55	2.97%	2.74%	23.30%
26	Liberty	Rural	\$1,173,575.05	0.67%	1.18%	12.60%
27	Lincoln	Micropolitan	\$10,334,518.27	2.10%	1.47%	5.08%
28	McCone	Rural	\$973,283.02	0.98%	1.38%	-15.28%
29	Madison	Rural	\$5,194,431.83	1.36%	1.21%	27.98%
30	Meagher	Rural	\$1,629,168.71	2.04%	1.89%	-3.42%
31	Mineral	Rural	\$3,491,301.08	4.06%	2.02%	11.12%
32	Missoula	Metropolitan	\$87,256,431.24	1.74%	1.48%	24.00%
33	Musselshell	Rural	\$2,923,578.74	0.99%	1.46%	3.42%

Table A21. **Montana County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
34	Park	Micropolitan	\$8,215,063.44	1.60%	1.02%	6.64%
35	Petroleum	Rural	\$314,144.06	1.40%	1.71%	4.06%
36	Phillips	Rural	\$3,083,600.25	2.33%	1.93%	-11.45%
37	Pondera	Rural	\$4,323,266.25	2.50%	1.71%	-7.04%
38	PowderRiver	Rural	\$1,277,442.55	1.29%	2.29%	-7.64%
39	Powell	Rural	\$8,467,546.53	4.44%	3.06%	-2.95%
40	Prairie	Rural	\$1,006,798.42	2.76%	2.07%	-9.34%
41	Ravalli	Micropolitan	\$20,596,099.51	2.12%	1.07%	19.69%
42	Richland	Micropolitan	\$5,017,088.57	0.51%	0.75%	12.89%
43	Roosevelt	Micropolitan	\$5,265,691.69	1.23%	1.37%	4.13%
44	Rosebud	Rural	\$4,767,109.04	0.61%	1.24%	-3.41%
45	Sanders	Micropolitan	\$5,853,713.03	1.97%	1.42%	15.81%
46	Sheridan	Rural	\$2,940,203.32	1.25%	1.63%	-16.59%
47	SilverBow	Micropolitan	\$34,279,873.59	2.49%	2.00%	1.12%
48	Stillwater	Rural	\$5,808,735.03	0.94%	1.18%	16.34%
49	SweetGrass	Rural	\$2,806,956.19	1.15%	1.70%	2.80%
50	Teton	Rural	\$4,500,789.22	1.78%	1.65%	-4.39%
51	Toole	Rural	\$3,722,715.90	1.31%	1.69%	-7.86%
52	Treasure	Rural	\$672,528.96	0.66%	2.05%	-21.14%
53	Valley	Rural	\$6,188,691.66	2.13%	1.77%	-3.10%
54	Wheatland	Rural	\$1,365,332.22	1.40%	1.70%	-1.02%
55	Wibaux	Rural	\$1,001,477.18	1.32%	1.90%	-3.18%
56	Yellowstone	Metropolitan	\$101,380,140.13	1.14%	1.21%	23.80%

Figure A61. Montana County Type

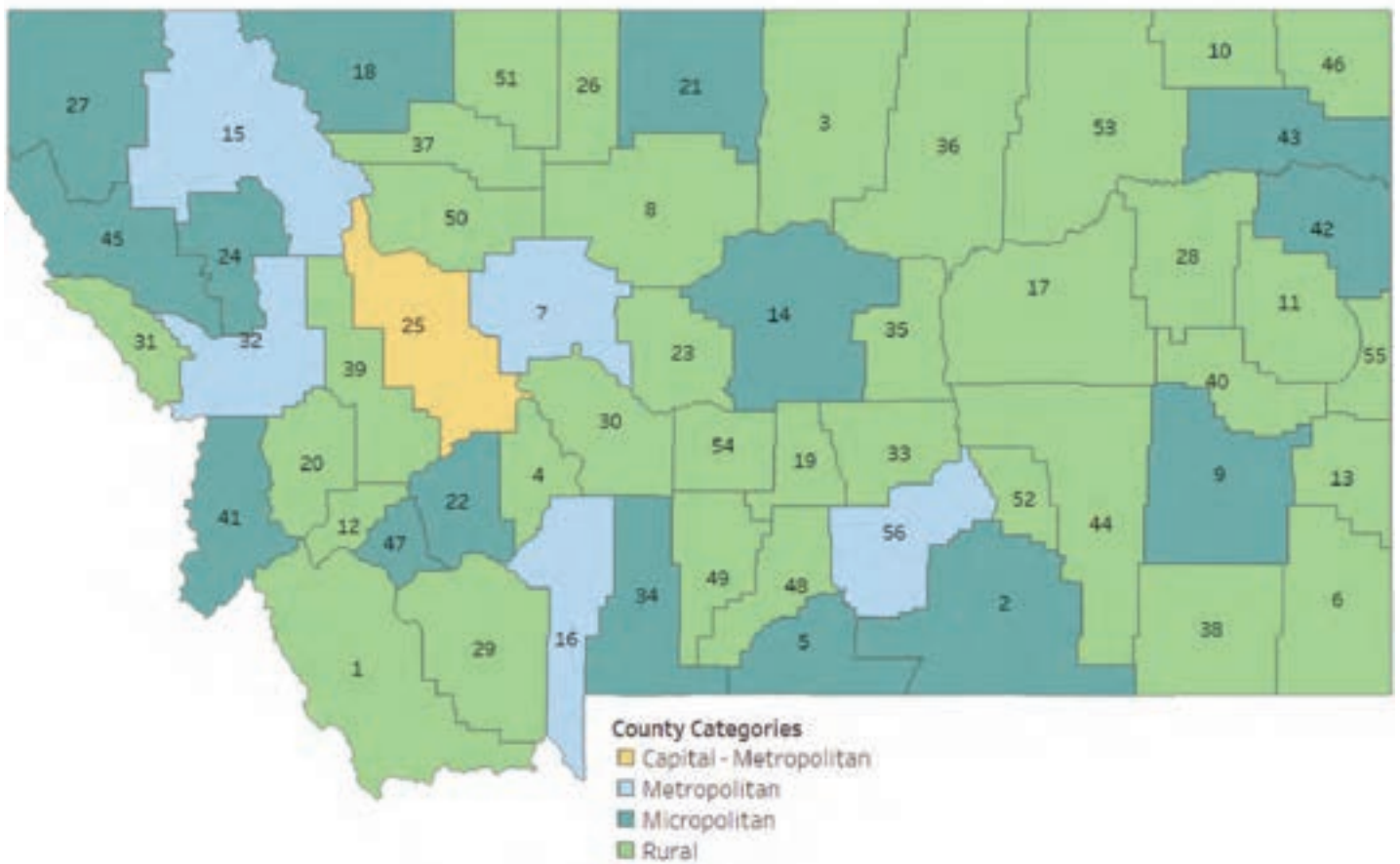


Figure A62. Montana Pension Benefit Dollars as Share of County GDP

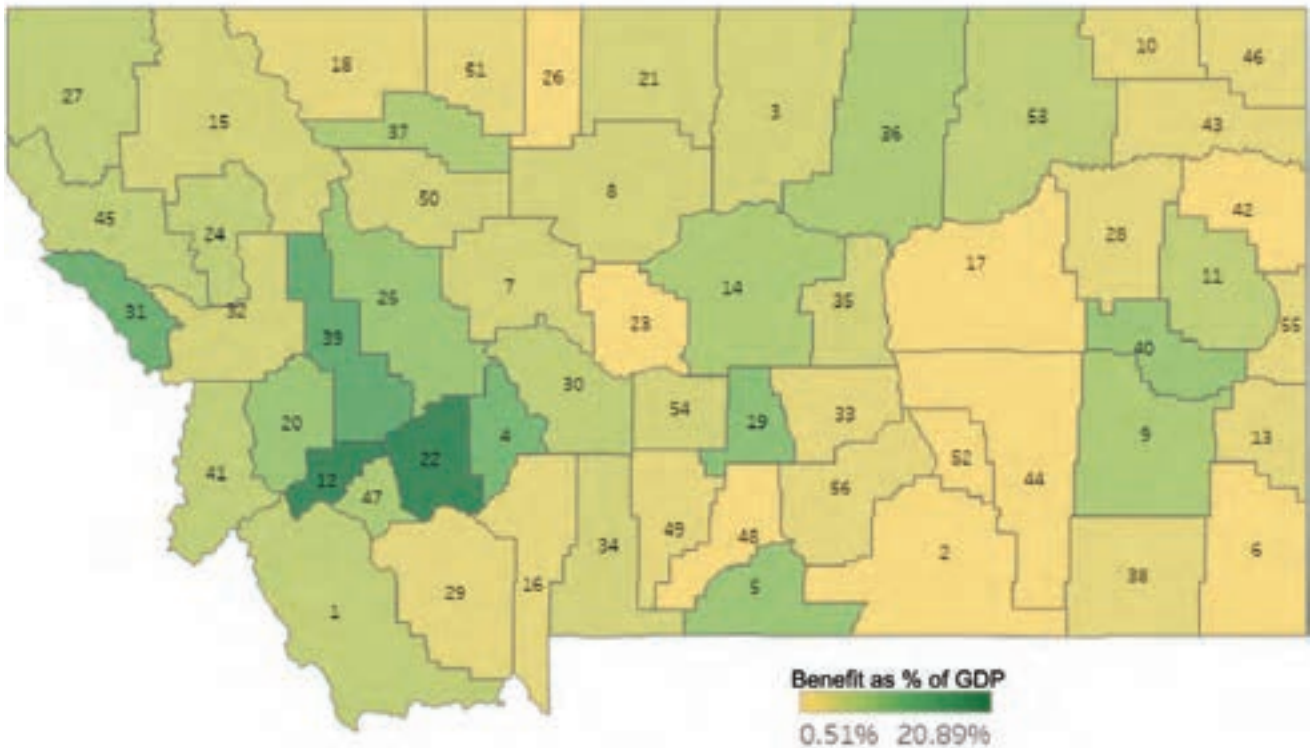
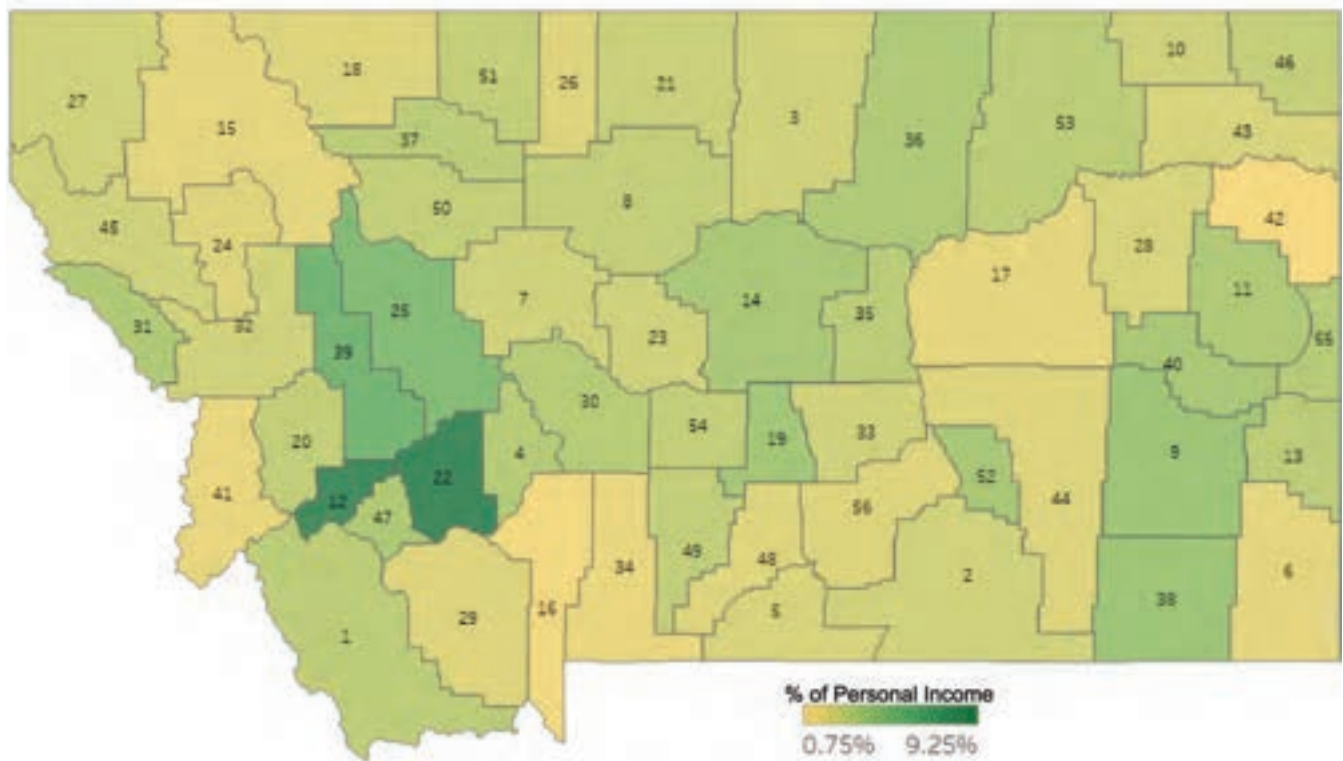


Figure A63. Montana Pension Benefit Dollars as Share of County Total Personal Income



Overview

In Montana, we received data from the Montana Public Employee Retirement Administration and the Teachers' Retirement System.

NEBRASKA

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 0.7%
- Metropolitan: 0.5%
- Micropolitan: 0.7%
- Rural: 0.7%

Total average percent of GDP in the state: 0.6%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 0.8%
- Metropolitan: 0.5%
- Micropolitan: 0.8%
- Rural: 0.9%

Total average percent of TPI in the state: 0.7%

Table A22. **Nebraska County Data**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Adams	Micropolitan	\$12,476,520.14	0.73%	0.81%	1.16%
2	Antelope	Rural	\$3,231,210.42	0.81%	1.09%	-14.98%
3	Arthur	Rural	\$98,234.57	0.34%	0.45%	4.73%
4	Banner	Rural	\$153,965.06	0.22%	0.36%	-10.87%
5	Blaine	Rural	\$189,111.50	0.80%	0.87%	-18.35%
6	Boone	Rural	\$1,994,038.38	0.44%	0.70%	-16.30%
7	Box Butte	Micropolitan	\$4,772,406.80	0.83%	0.94%	-11.40%
8	Boyd	Rural	\$906,553.32	0.55%	0.83%	-19.81%
9	Brown	Rural	\$1,300,618.03	0.56%	0.85%	-15.66%
10	Buffalo	Micropolitan	\$21,425,224.12	0.83%	0.80%	17.41%
11	Burt	Rural	\$3,976,315.15	0.99%	1.22%	-16.72%
12	Butler	Rural	\$2,633,151.54	0.93%	0.69%	-8.09%
13	Cass	Micropolitan	\$9,532,432.36	1.07%	0.68%	7.50%
14	Cedar	Rural	\$2,816,284.79	0.51%	0.63%	-12.16%
15	Chase	Rural	\$1,483,441.45	0.62%	0.76%	-2.24%
16	Cherry	Rural	\$1,900,773.19	0.60%	0.73%	-6.29%
17	Cheyenne	Rural	\$3,829,425.73	0.67%	0.85%	-5.29%
18	Clay	Rural	\$2,915,572.01	1.04%	0.99%	-11.72%
19	Colfax	Micropolitan	\$2,716,849.83	0.40%	0.58%	4.21%
20	Cuming	Rural	\$2,577,120.79	0.29%	0.49%	-12.38%
21	Custer	Micropolitan	\$4,741,565.72	0.75%	0.99%	-8.08%
22	Dakota	Micropolitan	\$4,293,249.63	0.33%	0.51%	-0.84%
23	Dawes	Rural	\$2,642,066.40	0.90%	0.82%	-3.80%
24	Dawson	Micropolitan	\$7,364,257.31	0.52%	0.72%	-2.69%
25	Deuel	Rural	\$1,267,156.63	1.65%	1.57%	-13.01%
26	Dixon	Rural	\$2,378,931.90	0.83%	0.94%	-9.94%
27	Dodge	Micropolitan	\$18,495,689.46	0.98%	1.06%	1.75%
28	Douglas	Metropolitan	\$174,005,729.77	0.42%	0.48%	22.28%
29	Dundy	Rural	\$488,180.32	0.38%	0.52%	-22.77%
30	Fillmore	Rural	\$2,533,853.60	0.76%	0.80%	-16.69%
31	Franklin	Rural	\$1,317,423.84	1.77%	0.92%	-15.42%
32	Frontier	Rural	\$1,048,317.95	0.72%	0.90%	-15.84%
33	Furnas	Rural	\$2,674,631.47	1.03%	1.16%	-11.44%
34	Gage	Micropolitan	\$9,664,843.94	0.91%	0.90%	-6.52%

Table A22. **Nebraska County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
35	Garden	Rural	\$1,198,442.15	1.92%	1.54%	-17.23%
36	Garfield	Rural	\$1,174,365.32	1.05%	1.35%	4.47%
37	Gosper	Rural	\$1,409,759.60	1.32%	1.34%	-6.86%
38	Grant	Rural	\$387,809.56	1.07%	1.38%	-11.65%
39	Greeley	Rural	\$988,351.64	1.09%	0.93%	-13.19%
40	Hall	Metropolitan	\$24,702,041.10	0.75%	0.92%	15.08%
41	Hamilton	Rural	\$4,872,720.81	0.94%	0.96%	-1.31%
42	Harlan	Rural	\$1,389,262.66	0.70%	0.85%	-10.17%
43	Hayes	Rural	\$375,376.30	0.91%	0.90%	-14.23%
44	Hitchcock	Rural	\$1,178,449.31	0.83%	1.11%	-9.80%
45	Holt	Micropolitan	\$3,591,485.79	0.52%	0.69%	-11.89%
46	Hooker	Rural	\$487,403.38	0.91%	1.36%	-12.90%
47	Howard	Rural	\$2,604,274.38	1.45%	0.97%	-1.51%
48	Jefferson	Rural	\$2,852,493.58	0.31%	0.82%	-14.83%
49	Johnson	Rural	\$2,182,696.14	0.90%	1.14%	14.39%
50	Kearney	Rural	\$2,602,284.71	0.66%	0.71%	-4.91%
51	Keith	Rural	\$3,855,419.23	1.07%	1.05%	-9.62%
52	Keya Paha	Rural	\$338,593.56	0.45%	0.71%	-17.60%
53	Kimball	Rural	\$1,688,106.31	0.95%	1.06%	-11.52%
54	Knox	Rural	\$4,223,406.15	0.91%	1.04%	-10.19%
55	Lancaster (Capital)	Metropolitan	\$123,589,738.20	0.75%	0.78%	26.76%
56	Lincoln	Micropolitan	\$13,522,369.00	0.62%	0.82%	1.60%
57	Logan	Rural	\$430,667.40	1.22%	1.53%	-3.23%
58	Loup	Rural	\$312,307.80	0.86%	1.11%	-13.20%
59	Madison	Micropolitan	\$13,004,895.27	0.56%	0.73%	0.47%
60	McPherson	Rural	\$142,278.21	0.41%	0.64%	-7.69%
61	Merrick	Rural	\$2,737,869.34	0.74%	0.75%	-5.74%
62	Morrill	Rural	\$2,287,146.49	0.43%	0.99%	-13.86%
63	Nance	Rural	\$1,932,873.90	1.35%	1.44%	-12.53%
64	Nemaha	Rural	\$2,635,181.13	0.37%	0.78%	-8.16%
65	Nuckolls	Rural	\$1,727,947.18	0.62%	0.81%	-17.05%
66	Otoe	Micropolitan	\$6,258,722.67	0.45%	0.73%	3.83%
67	Pawnee	Rural	\$1,383,050.94	0.77%	1.08%	-14.74%
68	Perkins	Rural	\$1,063,667.08	0.45%	0.65%	-8.47%
69	Phelps	Rural	\$4,457,081.18	0.50%	0.94%	-7.70%

Table A22. Nebraska County Data (continued)

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
70	Pierce	Rural	\$3,167,704.84	0.90%	0.78%	-9.10%
71	Platte	Micropolitan	\$10,499,078.54	0.41%	0.64%	5.37%
72	Polk	Rural	\$2,555,619.51	0.86%	0.95%	-6.40%
73	Red Willow	Micropolitan	\$4,356,019.38	0.83%	0.88%	-6.31%
74	Richardson	Rural	\$2,925,480.77	0.91%	0.76%	-16.72%
75	Rock	Rural	\$591,649.00	0.78%	0.88%	-22.55%
76	Saline	Micropolitan	\$5,337,023.02	0.61%	0.85%	3.66%
77	Sarpy	Metropolitan	\$46,949,749.14	0.68%	0.51%	50.46%
78	Saunders	Micropolitan	\$7,769,340.54	1.09%	0.70%	7.43%
79	Scotts Bluff	Micropolitan	\$17,427,034.12	1.16%	1.10%	-2.60%
80	Seward	Micropolitan	\$7,164,425.40	1.05%	0.83%	4.98%
81	Sheridan	Rural	\$2,692,023.96	1.13%	1.10%	-16.26%
82	Sherman	Rural	\$1,472,790.74	1.15%	1.08%	-8.44%
83	Sioux	Rural	\$265,715.27	0.39%	0.53%	-19.53%
84	Stanton	Rural	\$1,028,403.46	0.29%	0.36%	-7.51%
85	Thayer	Rural	\$2,824,523.37	0.62%	0.97%	-16.78%
86	Thomas	Rural	\$357,234.48	0.65%	0.92%	-1.23%
87	Thurston	Rural	\$1,328,155.44	0.25%	0.44%	1.84%
88	Valley	Rural	\$1,839,413.41	0.83%	0.96%	-9.83%
89	Washington	Micropolitan	\$7,552,946.55	0.70%	0.65%	10.05%
90	Wayne	Rural	\$3,607,438.13	0.77%	0.86%	-4.55%
91	Webster	Rural	\$1,257,979.51	0.47%	0.73%	-13.00%
92	Wheeler	Rural	\$261,677.62	0.13%	0.45%	-9.14%
93	York	Micropolitan	\$5,337,450.89	0.69%	0.78%	-5.66%

Figure A64. Nebraska County Type

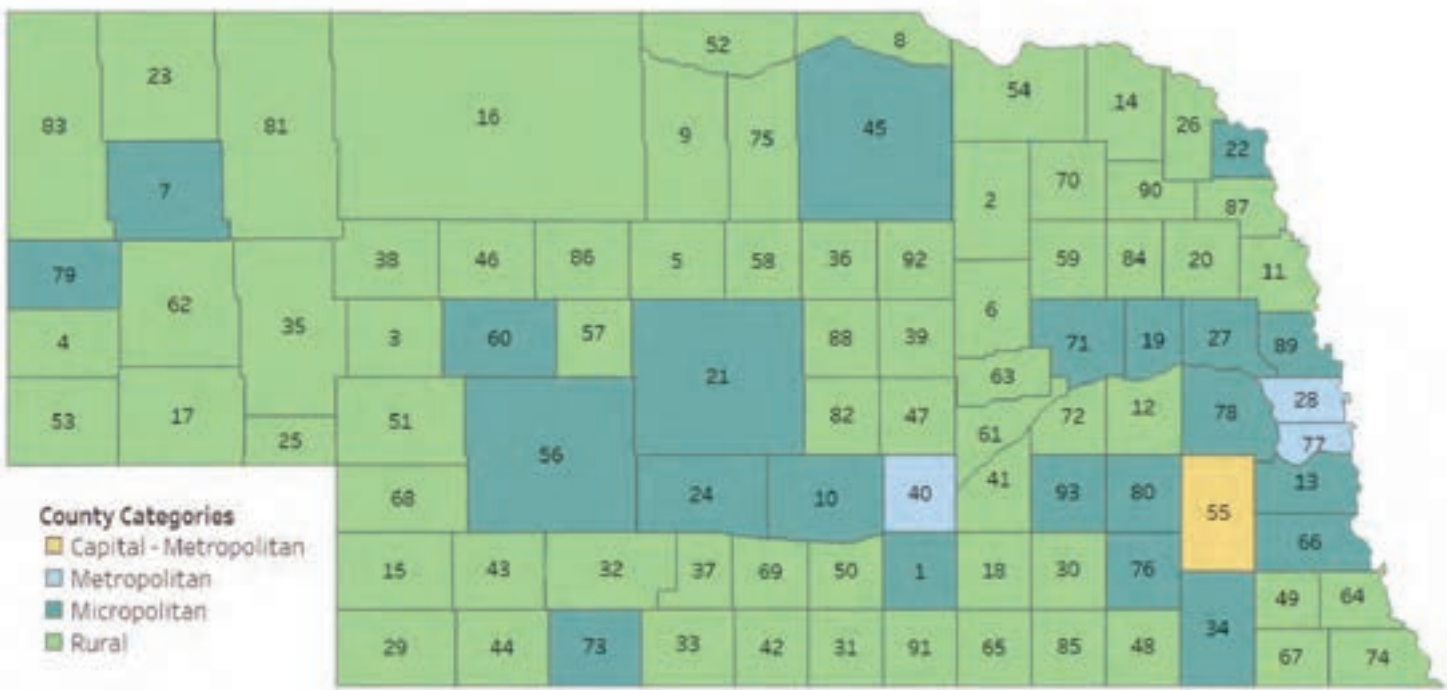


Figure A65. Nebraska Pension Benefit Dollars as Share of County GDP

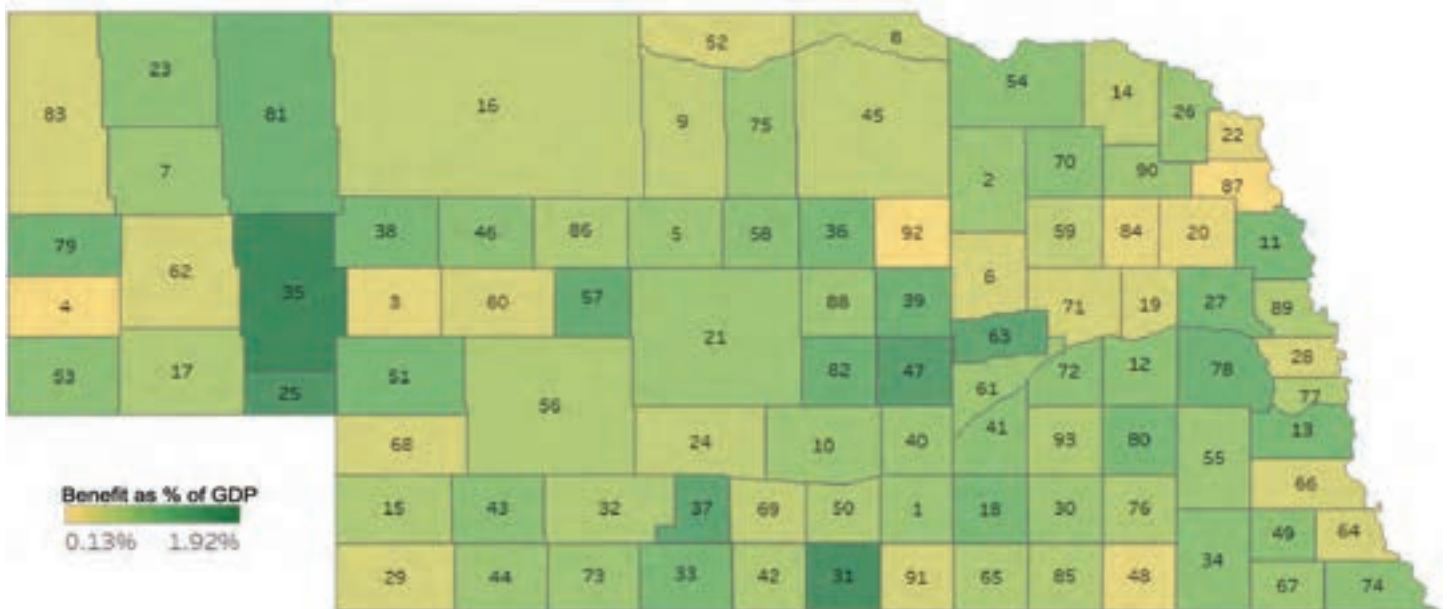
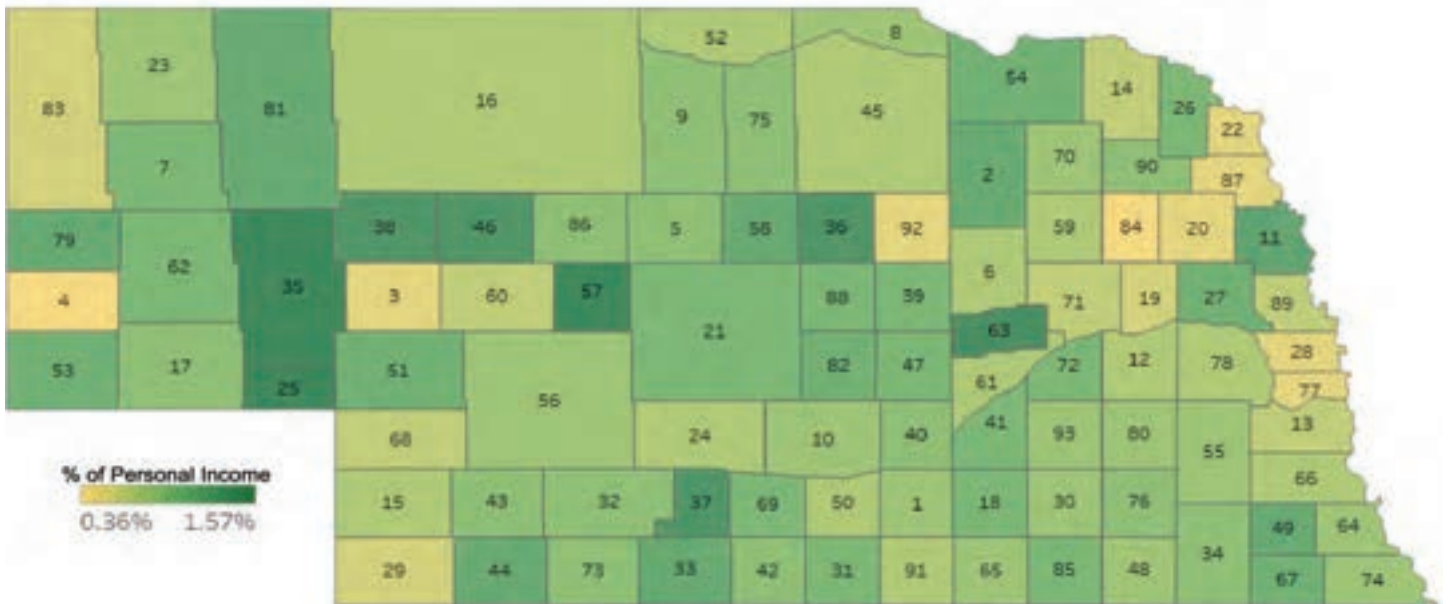


Figure A66. Nebraska Pension Benefit Dollars as Share of County Total Personal Income



Overview

In Nebraska, we received data from the Nebraska Public Employees Retirement System and the Omaha School Employees Retirement System.

NEVADA

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 5.07%
- Metropolitan: 1.2%
- Micropolitan: 2.2%
- Rural: 1.1%

Total average percent of GDP in the state: 1.3%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 5.8%
- Metropolitan: 1.2%
- Micropolitan: 1.9%
- Rural: 3.5%

Total average percent of TPI in the state: 1.3%

Table A23. Nevada County Data

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Churchill	Micropolitan	\$32,000,000.00	3.08%	3.00%	1.91%
2	Clark	Metropolitan	\$1,100,000,000.00	1.02%	1.05%	62.21%
3	Douglas	Micropolitan	\$51,000,000.00	2.17%	1.40%	17.47%
4	Elko	Metropolitan	\$47,900,000.00	1.81%	1.95%	15.83%
5	Esmeralda	Rural	\$1,100,000.00	1.24%	3.32%	-14.93%
6	Eureka	Rural	\$3,000,000.00	0.19%	3.75%	21.32%
7	Humboldt	Micropolitan	\$18,000,000.00	1.50%	2.29%	4.22%
8	Lander	Rural	\$5,400,000.00	0.60%	1.52%	-3.78%
9	Lincoln	Rural	\$14,900,000.00	8.18%	7.83%	24.87%
10	Lyon	Metropolitan	\$52,800,000.00	3.70%	2.44%	61.76%
11	Mineral	Rural	\$6,200,000.00	2.71%	3.61%	-10.98%
12	Nye	Micropolitan	\$36,300,000.00	2.26%	2.12%	39.59%
13	Pershing	Rural	\$6,300,000.00	1.73%	2.90%	-0.40%
14	Storey	Rural	\$3,500,000.00	0.24%	1.46%	18.53%
15	Washoe	Metropolitan	\$446,800,000.00	1.94%	1.61%	37.19%
16	WhitePine	Rural	\$18,800,000.00	2.67%	4.44%	3.20%
17	CarsonCity (Capital)	Metropolitan	\$162,500,000.00	5.02%	5.78%	5.64%

Figure A67. Nevada County Type

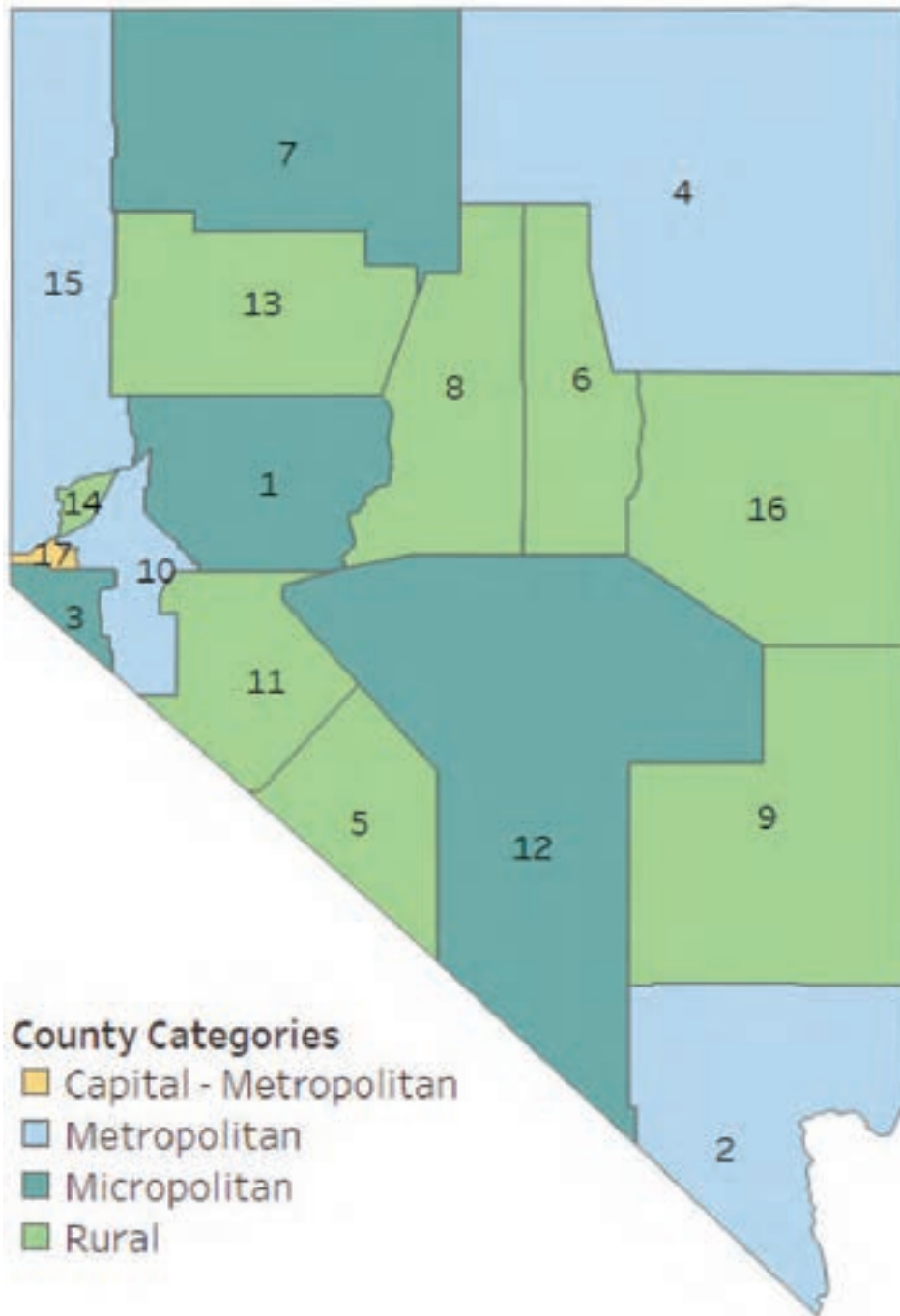


Figure A68. Nevada Pension Benefit Dollars as Share of County GDP

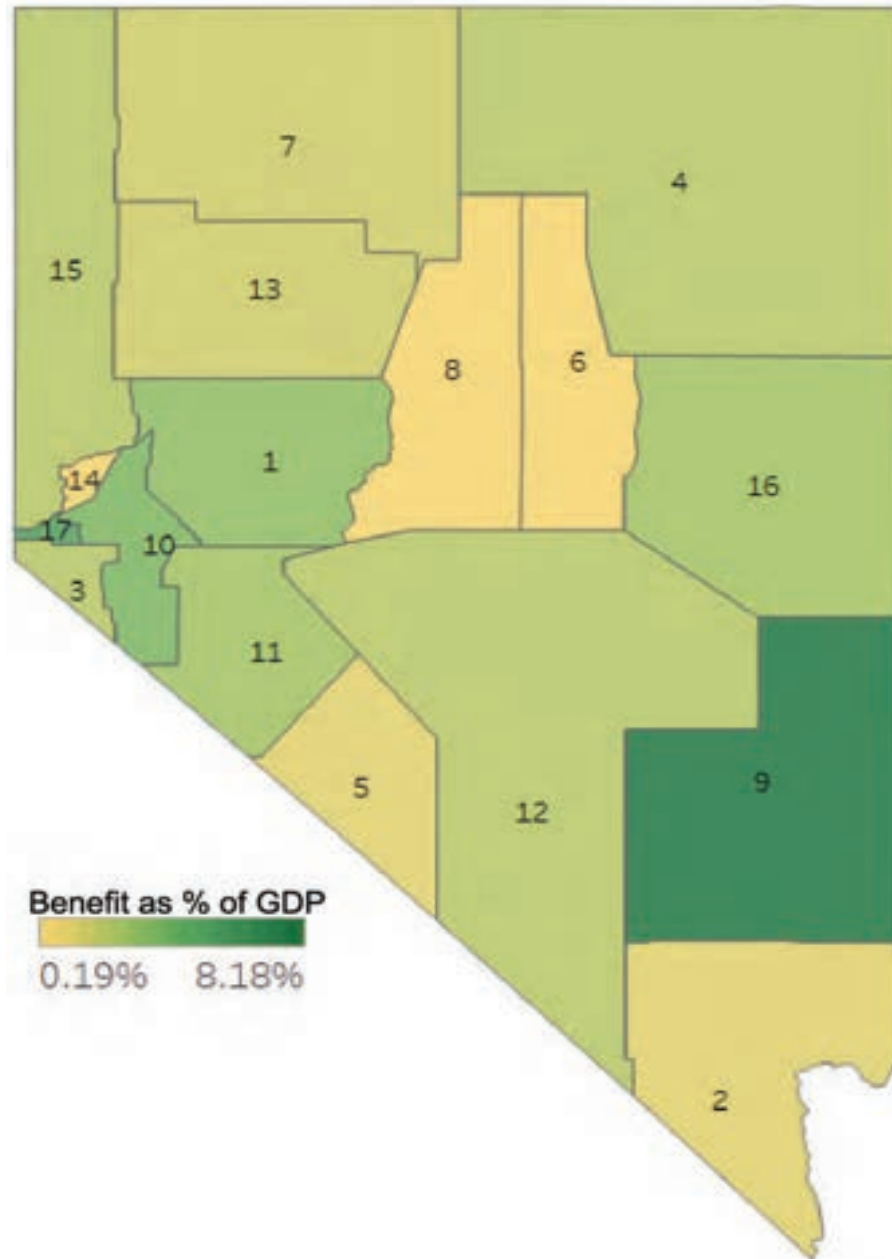
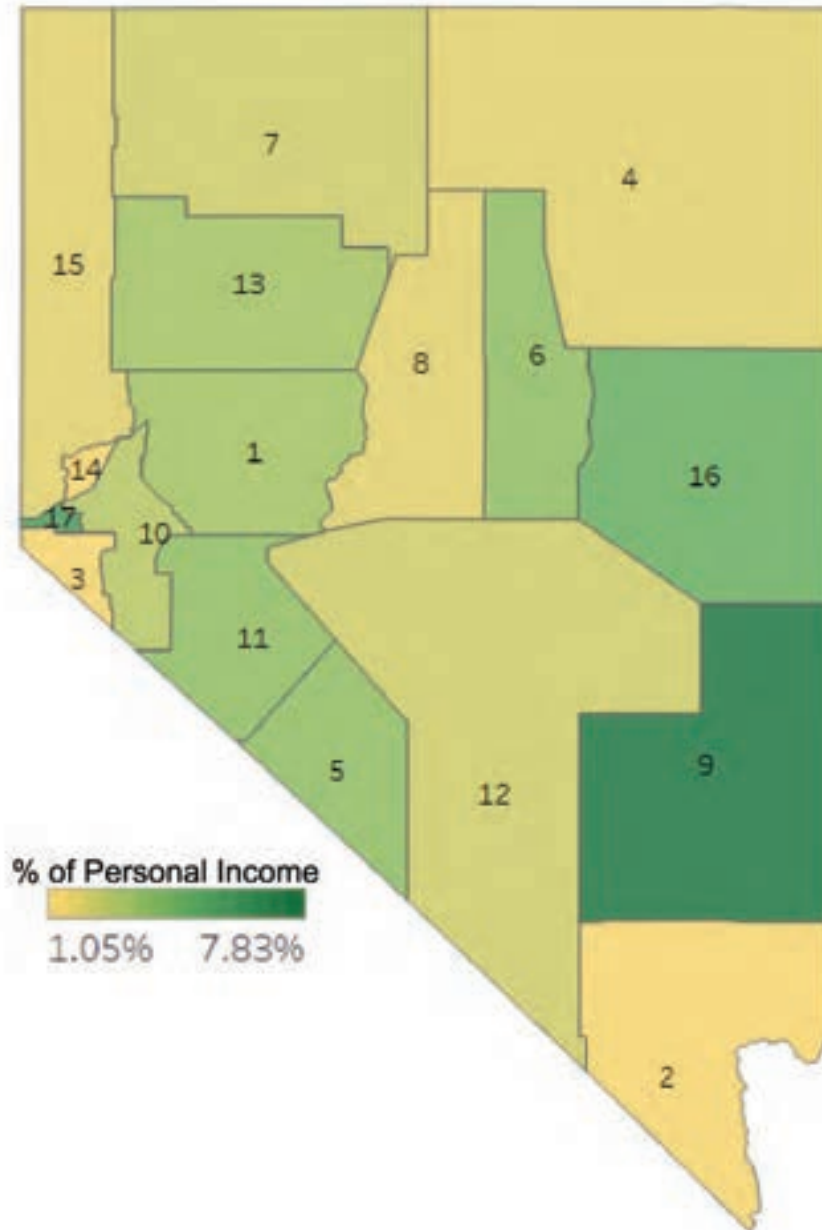


Figure A69. Nevada Pension Benefit Dollars as Share of County Total Personal Income



Overview

In Nevada, we received data from the Public Employees' Retirement System of Nevada.

NEW HAMPSHIRE

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 1.34%
- Metropolitan: 0.75%
- Micropolitan: 1.25%
- Rural: N/A

Total average percent of GDP in the state: 0.78%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 1.36%
- Metropolitan: 0.70%
- Micropolitan: 0.91%
- Rural: N/A

Total average percent of TPI in the state: 0.71%

Table A24. **New Hampshire County Data**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Belknap	Metropolitan	\$48,010,505.27	1.80%	1.29%	8.34%
2	Carroll	Micropolitan	\$22,549,276.65	1.11%	0.78%	11.71%
3	Cheshire	Metropolitan	\$29,094,559.11	0.86%	0.73%	3.61%
4	Coos	Micropolitan	\$18,718,303.41	1.63%	1.37%	-4.60%
5	Grafton	Metropolitan	\$39,531,773.36	0.66%	0.73%	9.84%
6	Hillsborough	Metropolitan	\$142,865,804.13	0.56%	0.56%	9.03%
7	Merrimack (Capital)	Metropolitan	\$119,009,813.93	1.34%	1.36%	10.94%
8	Rockingham	Metropolitan	\$110,733,281.68	0.58%	0.49%	11.47%
9	Strafford	Metropolitan	\$44,742,985.67	0.78%	0.68%	15.91%
10	Sullivan	Micropolitan	\$17,286,516.33	1.14%	0.78%	6.64%

Figure A70. New Hampshire County Type

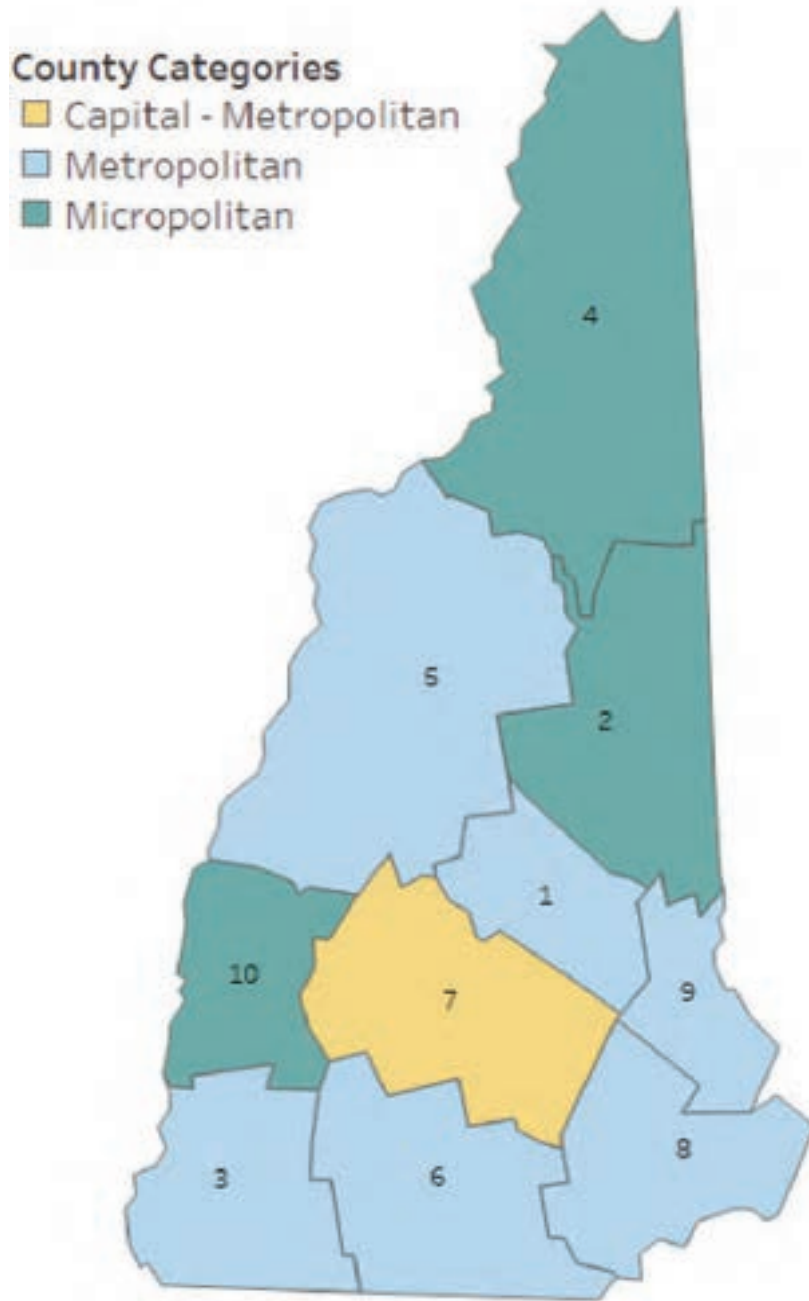


Figure A71. **New Hampshire Pension Benefit Dollars as Share of County GDP**

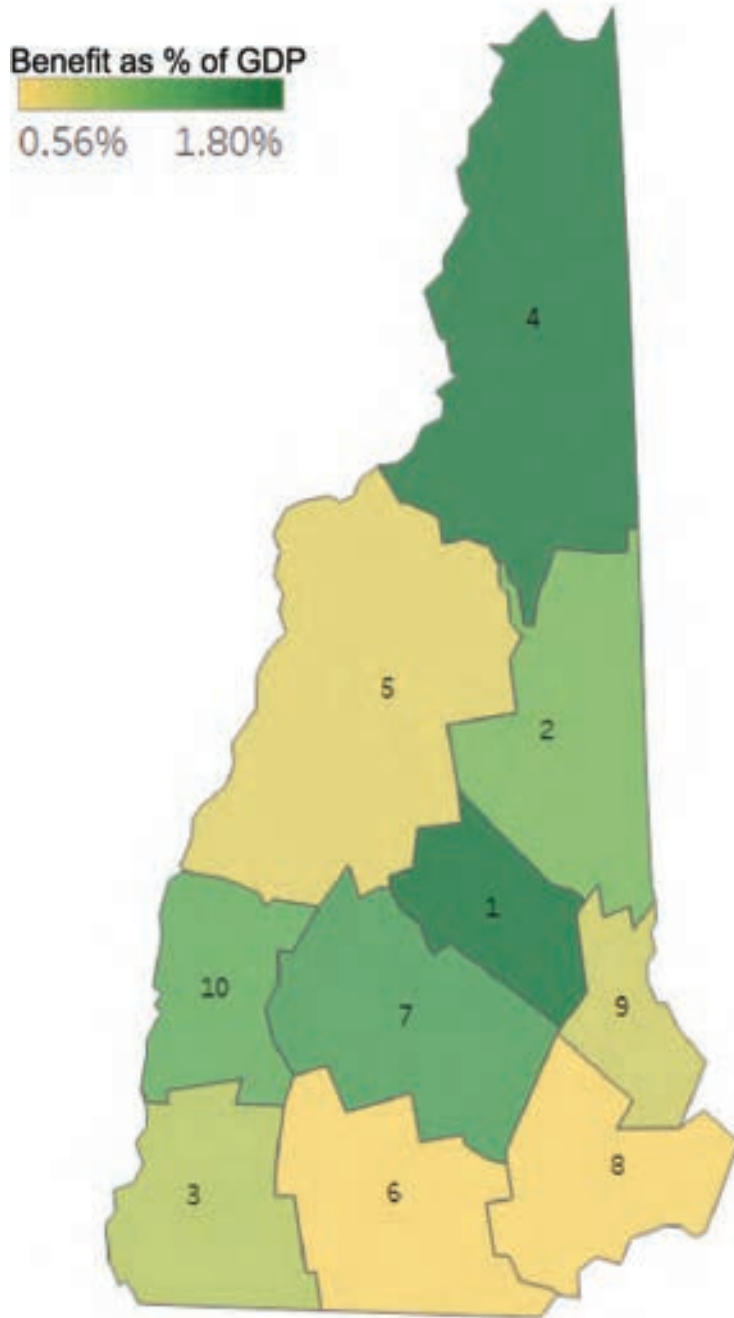
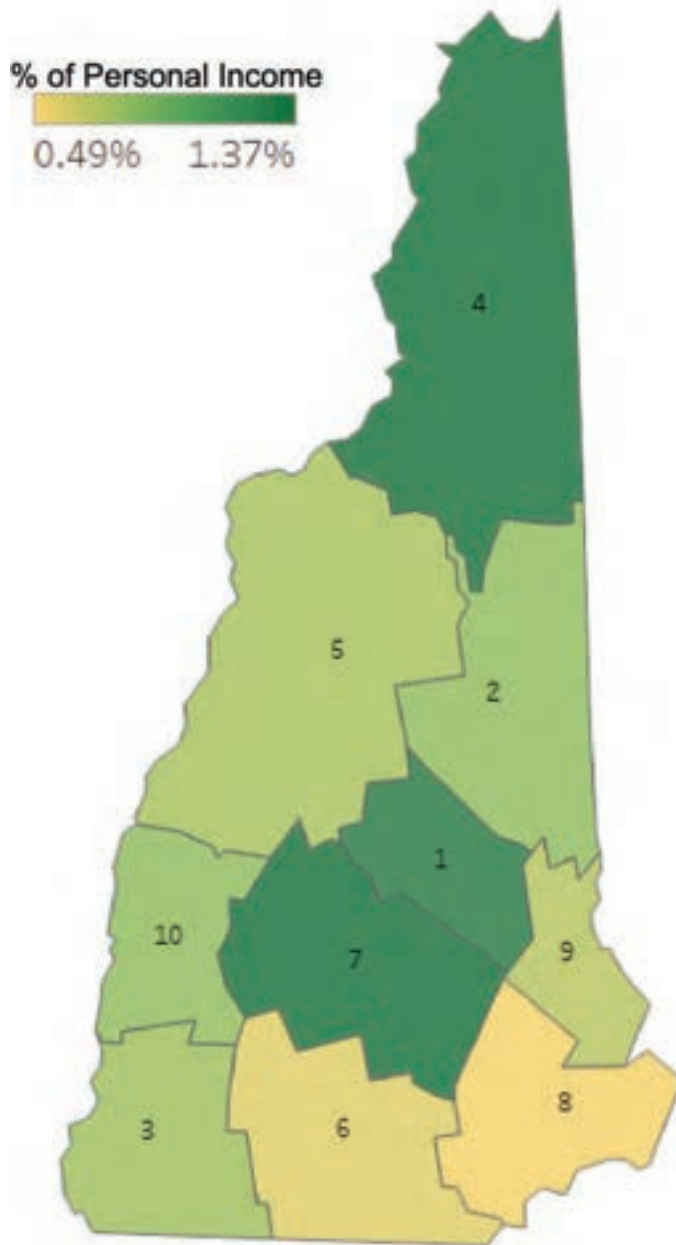


Figure A72. New Hampshire Pension Benefit Dollars as Share of County Total Personal Income



Overview

In New Hampshire, we received data from the New Hampshire Retirement System.

NEW MEXICO

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 4.3%
- Metropolitan: 1.8%
- Micropolitan: 2.7%
- Rural: 3.5%

Total average percent of GDP in the state: 2.1%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 2.9%
- Metropolitan: 2.0%
- Micropolitan: 2.7%
- Rural: 3.4%

Total average percent of TPI in the state: 2.2%

Table A25. **New Mexico County Data**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Bernalillo	Metropolitan	\$654,246,318.44	1.93%	2.19%	21.92%
2	Catron	Rural	\$2,831,274.49	3.76%	2.47%	0.99%
3	Chaves	Metropolitan	\$53,849,771.03	2.69%	2.06%	5.39%
4	Cibola	Micropolitan	\$17,663,809.85	2.87%	2.35%	4.50%
5	Colfax	Micropolitan	\$18,698,344.11	4.54%	3.88%	-14.65%
6	Curry	Micropolitan	\$26,663,391.05	0.88%	1.22%	9.75%
7	DeBaca	Rural	\$2,617,035.86	5.19%	3.71%	-20.49%
8	DoñaAna	Metropolitan	\$177,603,320.87	2.63%	2.23%	24.52%
9	Eddy	Metropolitan	\$40,138,411.70	0.49%	1.28%	12.08%
10	Grant	Micropolitan	\$32,151,907.55	2.75%	2.87%	-11.79%
11	Guadalupe	Rural	\$6,130,163.41	4.92%	4.28%	-7.24%
12	Harding	Rural	\$1,662,447.99	1.50%	6.56%	-19.14%
13	Hidalgo	Rural	\$3,360,370.02	1.74%	1.91%	-28.52%
14	Lea	Metropolitan	\$30,042,691.32	0.39%	0.97%	25.40%
15	Lincoln	Micropolitan	\$18,957,399.23	3.21%	2.32%	0.75%
16	LosAlamos	Micropolitan	\$12,336,084.68	0.58%	0.91%	4.13%
17	Luna	Micropolitan	\$16,883,417.38	2.24%	2.26%	-4.21%
18	McKinley	Metropolitan	\$31,668,983.82	1.31%	1.58%	-3.35%
19	Mora	Rural	\$7,854,669.79	10.25%	4.91%	-13.01%
20	Otero	Metropolitan	\$33,706,468.90	1.33%	1.46%	7.20%
21	Quay	Rural	\$10,362,482.66	3.91%	3.28%	-18.73%
22	RioArriba	Micropolitan	\$60,291,900.31	4.49%	4.47%	-5.30%
23	Roosevelt	Micropolitan	\$17,147,945.20	2.66%	2.32%	4.02%
24	Sandoval	Metropolitan	\$122,198,939.52	4.08%	2.03%	61.48%
25	SanJuan	Metropolitan	\$73,253,001.87	1.26%	1.65%	9.88%
26	SanMiguel	Micropolitan	\$65,821,863.84	11.18%	6.90%	-8.41%
27	SantaFe (Capital)	Metropolitan	\$251,551,575.53	4.32%	2.87%	16.06%
28	Sierra	Micropolitan	\$10,912,495.62	3.85%	2.55%	-17.35%
29	Socorro	Micropolitan	\$21,430,410.95	4.49%	3.69%	-7.43%
30	Taos	Micropolitan	\$28,703,206.23	3.28%	2.27%	9.53%
31	Torrance	Micropolitan	\$12,318,005.51	3.71%	2.61%	-7.81%
32	Union	Rural	\$4,479,064.47	2.09%	3.33%	-1.34%
33	Valencia	Metropolitan	\$78,040,601.02	6.19%	3.05%	15.58%

Figure A73. New Mexico County Type

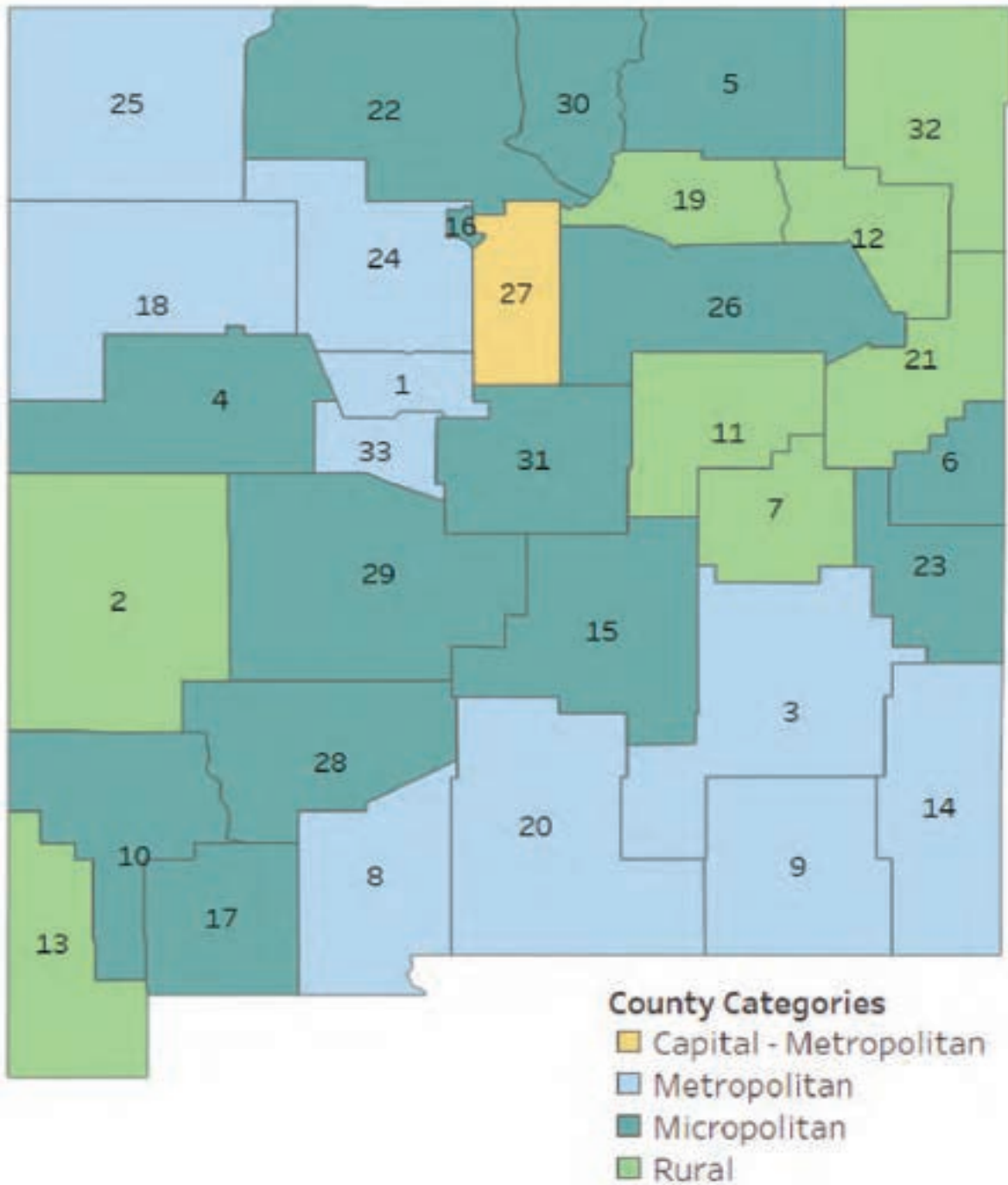


Figure A74. New Mexico Pension Benefit Dollars as Share of County GDP

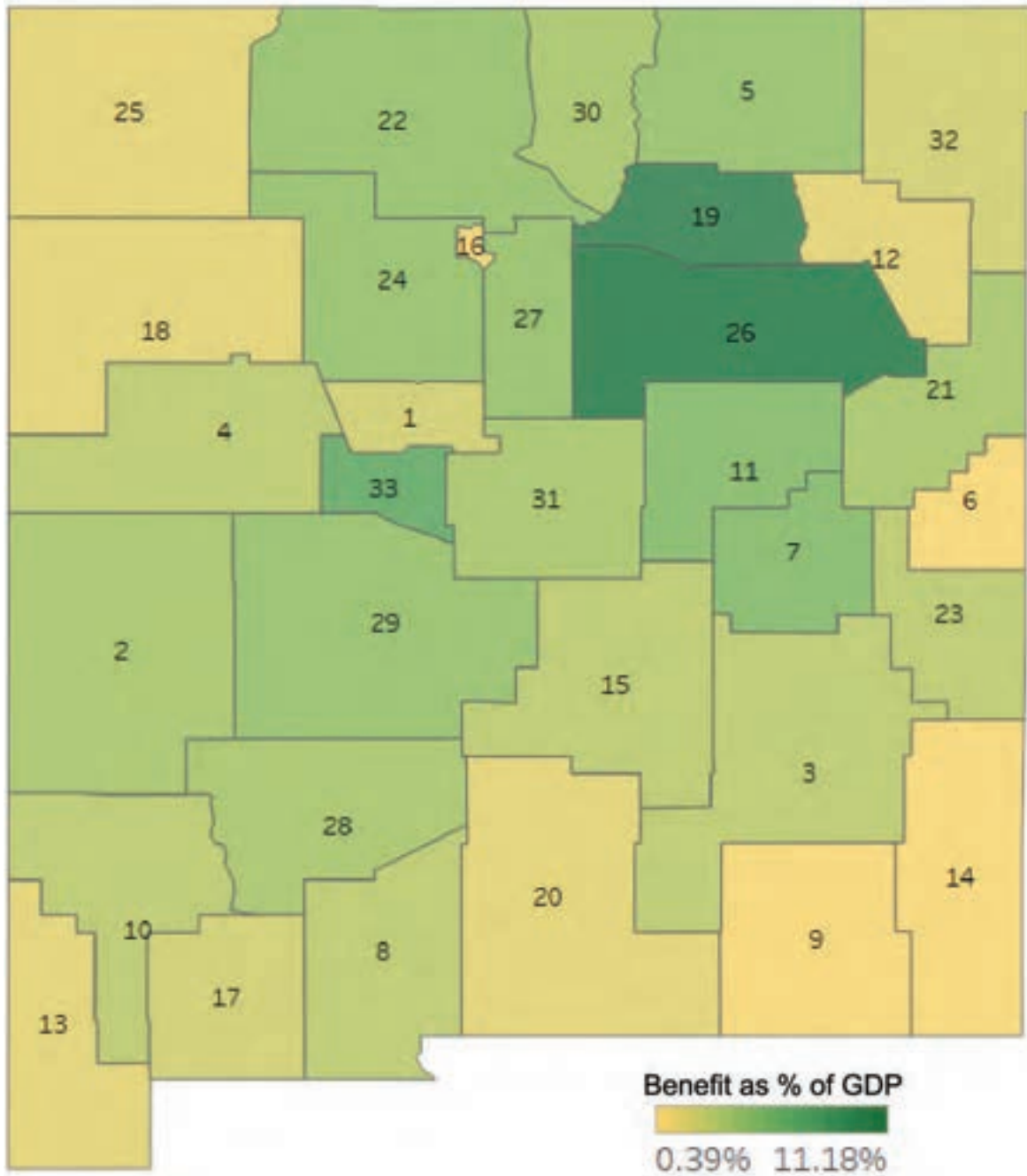
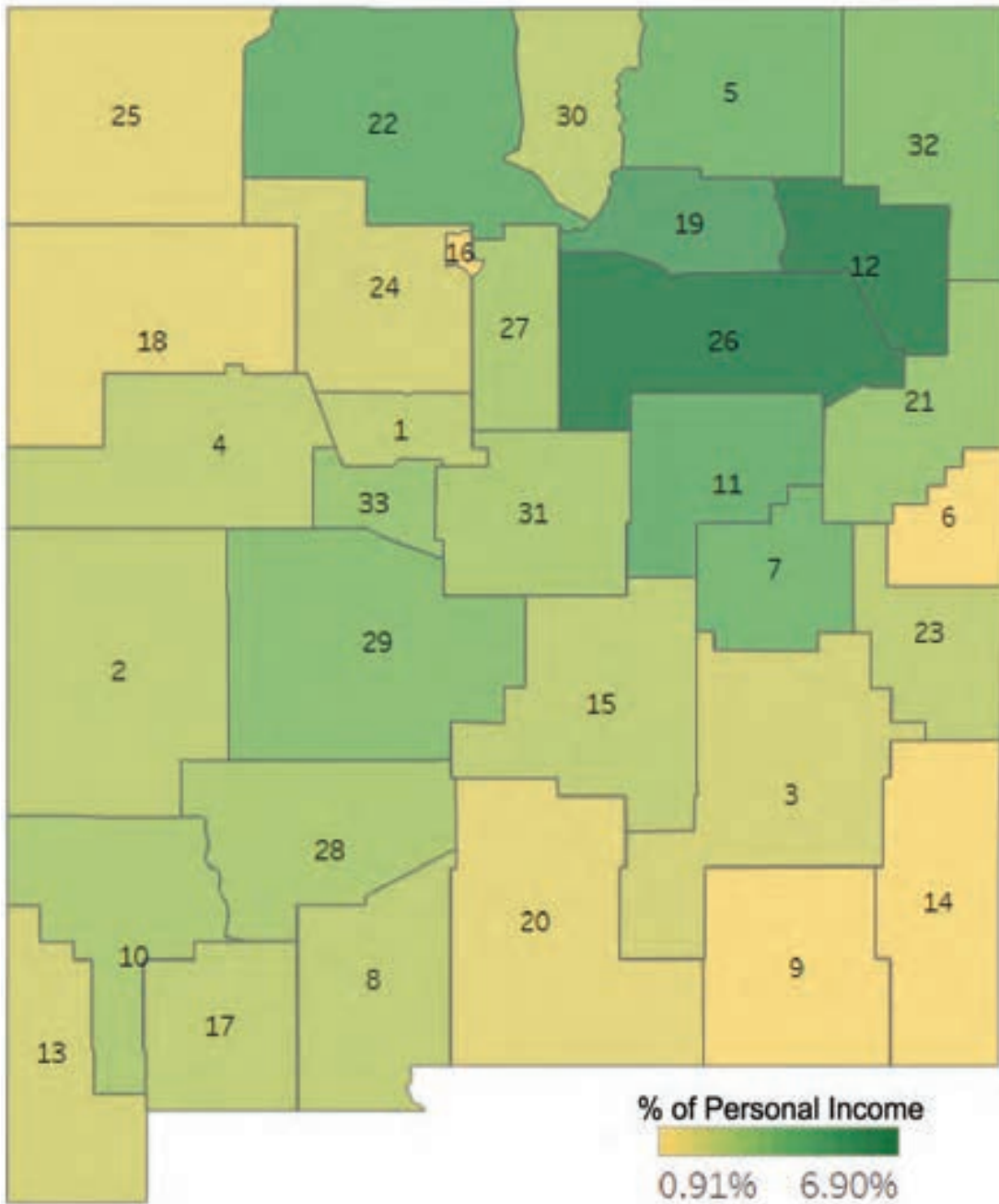


Figure A75. **New Mexico Pension Benefit Dollars as Share of County Total Personal Income**



Overview

In New Mexico, we received data from the New Mexico Educational Retirement Board and the New Mexico Public Employees Retirement Association.

NEW YORK

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 2.7%
- Metropolitan: 1.5%
- Micropolitan: 4.1%
- Rural: 6.3%

Total average percent of GDP in the state: 1.6%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 4.0%
- Metropolitan: 1.6%
- Micropolitan: 3.6%
- Rural: 6.6%

Total average percent of TPI in the state: 1.7%

Table A26. New York County Data

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Albany (Capital)	Metropolitan	\$746,262,916.08	2.69%	3.97%	4.26%
2	Allegany	Micropolitan	\$55,601,213.92	4.23%	3.43%	-7.00%
3	Bronx	Metropolitan	\$720,924,801.23	1.69%	1.35%	7.46%
4	Broome	Metropolitan	\$256,971,431.09	2.86%	3.01%	-4.43%
5	Cattaraugus	Metropolitan	\$111,436,260.36	4.19%	3.63%	-8.47%
6	Cayuga	Metropolitan	\$116,685,731.68	4.75%	3.58%	-5.88%
7	Chautauqua	Metropolitan	\$179,457,041.98	3.74%	3.44%	-8.45%
8	Chemung	Metropolitan	\$132,028,656.32	3.64%	3.53%	-7.48%
9	Chenango	Micropolitan	\$67,596,373.57	3.42%	3.40%	-7.52%
10	Clinton	Metropolitan	\$167,815,770.11	4.72%	4.72%	1.00%
11	Columbia	Metropolitan	\$119,293,784.64	5.34%	3.57%	-5.04%
12	Cortland	Micropolitan	\$64,803,038.91	3.64%	3.33%	-1.60%
13	Delaware	Micropolitan	\$67,349,113.27	3.87%	3.82%	-7.34%
14	Dutchess	Metropolitan	\$487,811,750.12	3.88%	2.95%	4.84%
15	Erie	Metropolitan	\$1,301,712,626.87	2.52%	2.75%	-3.21%
16	Essex	Micropolitan	\$68,305,451.10	4.78%	3.98%	-3.99%
17	Franklin	Metropolitan	\$104,185,230.39	6.14%	5.50%	-1.64%
18	Fulton	Metropolitan	\$79,970,448.41	4.74%	3.46%	-2.69%
19	Genesee	Metropolitan	\$87,013,822.00	4.00%	3.47%	-4.74%
20	Greene	Micropolitan	\$94,601,283.11	4.60%	4.24%	-1.46%
21	Hamilton	Rural	\$15,892,791.35	6.34%	6.63%	-17.57%
22	Herkimer	Metropolitan	\$88,457,382.89	5.02%	3.44%	-4.03%
23	Jefferson	Metropolitan	\$134,881,317.94	2.28%	2.57%	0.02%
24	Kings	Metropolitan	\$1,420,041,572.65	1.55%	1.05%	4.77%
25	Lewis	Micropolitan	\$36,321,924.88	3.92%	3.12%	-1.84%
26	Livingston	Metropolitan	\$106,669,602.67	5.28%	3.67%	-1.71%
27	Madison	Metropolitan	\$93,138,123.40	4.45%	2.96%	1.95%
28	Monroe	Metropolitan	\$763,520,208.01	1.74%	1.94%	0.97%
29	Montgomery	Micropolitan	\$77,794,297.93	4.33%	3.78%	-0.51%
30	Nassau	Metropolitan	\$2,212,220,559.48	2.72%	1.81%	1.78%
31	New York	Metropolitan	\$944,799,141.49	0.16%	0.30%	5.95%
32	Niagara	Metropolitan	\$253,147,393.90	2.90%	2.64%	-4.28%
33	Oneida	Metropolitan	\$372,192,703.53	3.67%	3.63%	-2.50%
34	Onondaga	Metropolitan	\$590,788,392.10	2.06%	2.42%	0.76%

Table A26. New York County Data (continued)

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
35	Ontario	Metropolitan	\$157,110,004.70	2.86%	2.67%	9.62%
36	Orange	Metropolitan	\$507,672,377.99	3.29%	2.56%	11.89%
37	Orleans	Micropolitan	\$54,278,227.36	4.36%	3.43%	-8.06%
38	Oswego	Metropolitan	\$152,160,792.91	2.54%	3.18%	-3.66%
39	Otsego	Metropolitan	\$82,181,600.07	3.62%	3.16%	-3.12%
40	Putnam	Metropolitan	\$168,497,089.73	5.51%	2.59%	3.29%
41	Queens	Metropolitan	\$1,469,717,351.19	1.58%	1.30%	2.22%
42	Rensselaer	Metropolitan	\$344,601,995.27	5.64%	4.40%	4.53%
43	Richmond	Metropolitan	\$623,669,172.86	4.30%	2.31%	7.31%
44	Rockland	Metropolitan	\$483,676,018.88	2.62%	2.46%	13.58%
45	Saratoga	Metropolitan	\$483,910,716.76	4.75%	3.11%	14.72%
46	Schenectady	Metropolitan	\$327,404,421.31	4.43%	4.17%	6.00%
47	Schoharie	Micropolitan	\$57,098,389.93	6.17%	4.50%	-1.54%
48	Schuyler	Micropolitan	\$26,883,989.08	4.97%	3.57%	-6.82%
49	Seneca	Micropolitan	\$48,198,752.78	3.86%	3.64%	2.87%
50	St.Lawrence	Metropolitan	\$190,035,916.47	4.39%	4.64%	-3.47%
51	Steuben	Metropolitan	\$122,635,278.10	2.39%	2.83%	-2.97%
52	Suffolk	Metropolitan	\$2,564,266,636.31	3.16%	2.52%	4.35%
53	Sullivan	Metropolitan	\$128,767,492.32	4.92%	3.68%	2.07%
54	Tioga	Micropolitan	\$53,749,790.23	2.89%	2.41%	-6.23%
55	Tompkins	Metropolitan	\$95,786,366.71	1.77%	2.06%	6.52%
56	Ulster	Metropolitan	\$292,905,408.55	4.70%	3.25%	0.48%
57	Warren	Metropolitan	\$130,017,873.82	3.54%	3.86%	1.52%
58	Washington	Metropolitan	\$94,987,031.68	5.66%	3.88%	0.25%
59	Wayne	Metropolitan	\$118,625,452.71	3.52%	2.86%	-3.95%
60	Westchester	Metropolitan	\$1,274,276,337.81	1.74%	1.21%	4.78%
61	Wyoming	Micropolitan	\$69,087,397.28	4.59%	4.33%	-7.69%
62	Yates	Micropolitan	\$32,084,058.64	3.84%	3.28%	0.89%

Figure A76. New York County Type

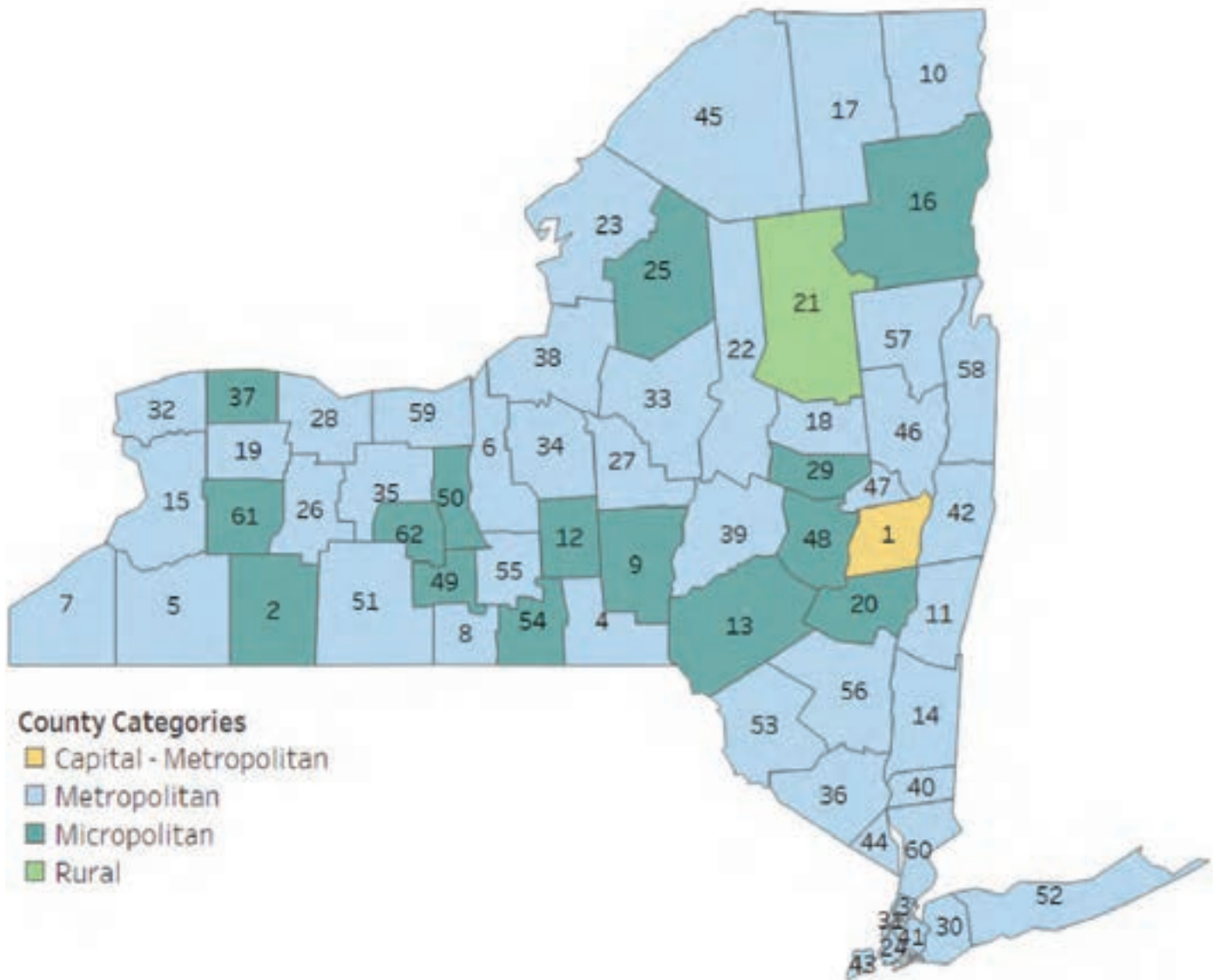


Figure A77. New York Pension Benefit Dollars as Share of County GDP

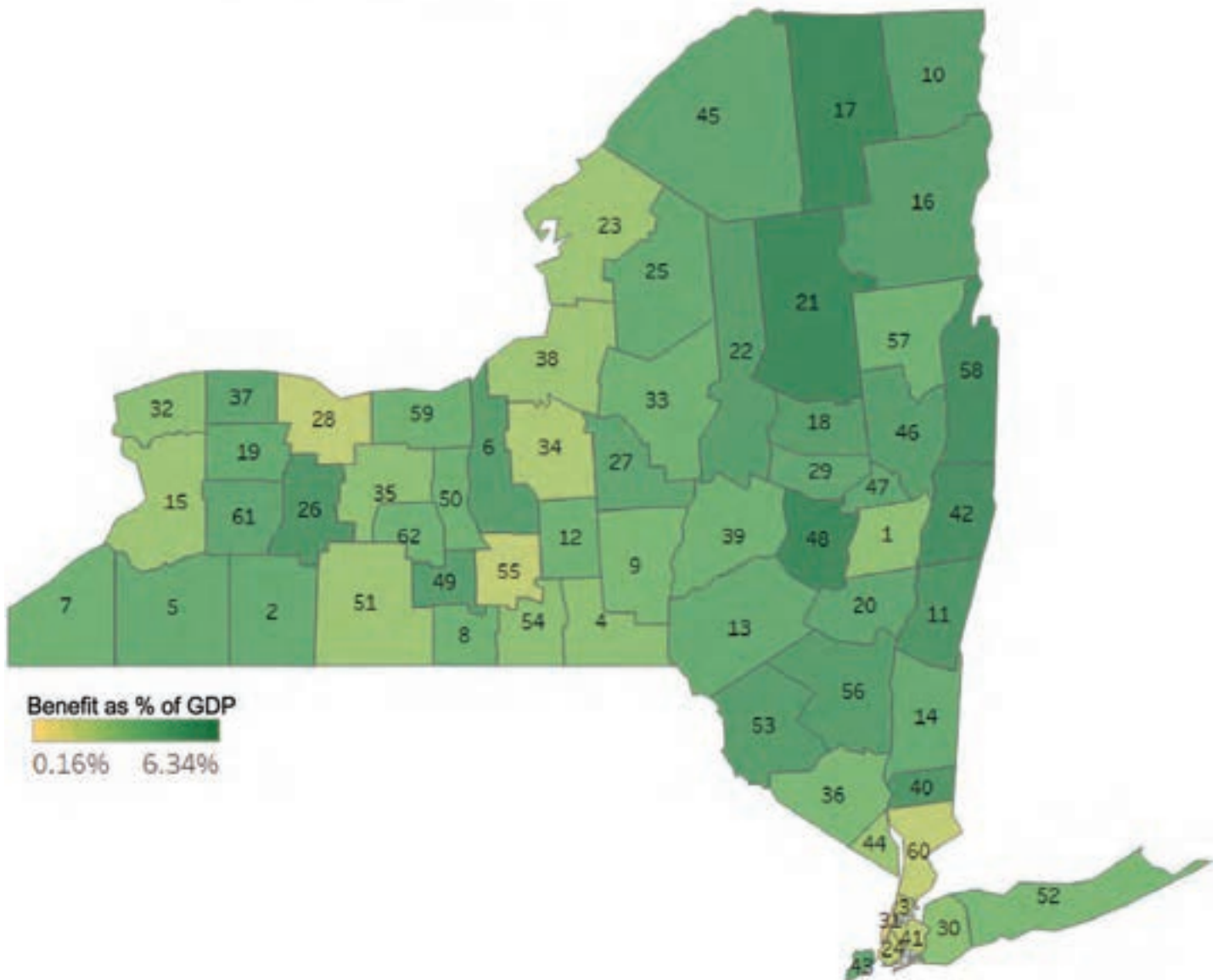
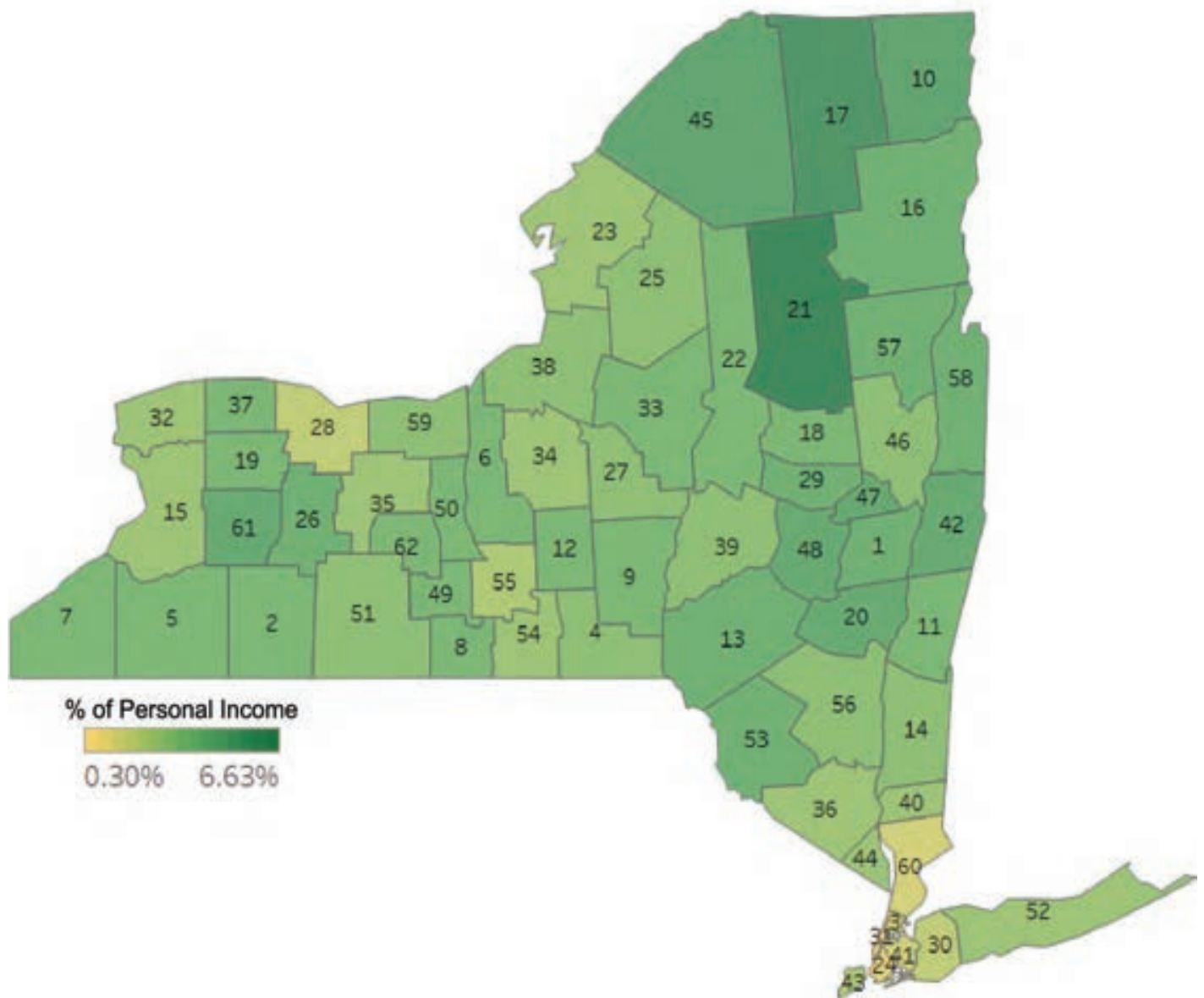


Figure A78. New York Pension Benefit Dollars as Share of County Total Personal Income



Overview

In New York, we received data from the following plans: New York State Teachers' Retirement System, New York State and Local Retirement System, Teachers' Retirement System of New York City, and New York City Employees Retirement System.

NORTH DAKOTA

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 1.5%
- Metropolitan: 0.6%
- Micropolitan: 0.5%
- Rural: 0.6%

Total average percent of GDP in the state: 0.7%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 1.4%
- Metropolitan: 0.6%
- Micropolitan: 0.8%
- Rural: 0.9%

Total average percent of TPI in the state: 0.8%

Table A27. North Dakota County Data

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Adams	Rural	\$915,831.48	0.56%	0.67%	-11.53%
2	Barnes	Micropolitan	\$7,032,193.68	1.07%	1.20%	-10.47%
3	Benson	Rural	\$1,908,234.24	0.90%	0.79%	-0.03%
4	Billings	Rural	\$334,375.08	0.27%	0.49%	3.49%
5	Bottineau	Rural	\$4,765,776.96	1.33%	1.26%	-10.32%
6	Bowman	Rural	\$1,673,708.88	0.68%	0.89%	-5.12%
7	Burke	Rural	\$833,190.96	0.61%	0.62%	-6.33%
8	Burleigh (Capital)	Metropolitan	\$76,292,632.92	1.46%	1.38%	37.25%
9	Cass	Metropolitan	\$53,895,501.12	0.48%	0.53%	47.41%
10	Cavalier	Rural	\$2,042,332.80	0.46%	0.78%	-20.74%
11	Dickey	Rural	\$2,243,940.96	0.77%	0.87%	-14.83%
12	Divide	Rural	\$1,137,494.16	0.59%	1.03%	0.00%
13	Dunn	Rural	\$1,560,255.00	0.16%	0.60%	20.33%
14	Eddy	Rural	\$1,286,872.80	1.11%	1.03%	-16.10%
15	Emmons	Rural	\$1,379,984.28	0.80%	0.85%	-23.92%
16	Foster	Rural	\$1,903,303.20	0.70%	0.94%	-14.45%
17	GoldenValley	Rural	\$570,468.48	0.74%	0.74%	-8.06%
18	GrandForks	Metropolitan	\$31,577,889.60	0.84%	0.87%	7.05%
19	Grant	Rural	\$901,178.88	1.10%	0.99%	-16.44%
20	Griggs	Rural	\$1,487,784.24	1.05%	1.20%	-18.95%
21	Hettinger	Rural	\$1,121,615.16	0.97%	0.87%	-7.40%
22	Kidder	Rural	\$1,067,074.68	0.79%	0.87%	-11.01%
23	LaMoure	Rural	\$2,275,844.28	0.81%	1.00%	-13.59%
24	Logan	Rural	\$919,588.20	0.48%	0.80%	-17.55%
25	McHenry	Rural	\$2,494,397.16	0.89%	0.82%	-2.86%
26	McIntosh	Rural	\$1,112,550.72	0.60%	0.72%	-23.75%
27	McKenzie	Micropolitan	\$2,547,168.36	0.09%	0.30%	137.62%
28	McLean	Rural	\$5,145,449.28	0.68%	0.99%	2.47%
29	Mercer	Rural	\$3,644,735.64	0.38%	0.76%	-4.36%
30	Morton	Micropolitan	\$16,057,048.32	1.09%	0.99%	22.89%
31	Mountrail	Micropolitan	\$2,803,301.88	0.18%	0.47%	54.09%
32	Nelson	Rural	\$1,783,212.24	1.14%	1.02%	-22.77%
33	Oliver	Rural	\$706,826.52	0.28%	0.75%	-5.47%
34	Pembina	Rural	\$4,192,647.72	1.17%	1.20%	-19.08%

Table A27. North Dakota County Data (continued)

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
35	Pierce	Rural	\$2,148,070.80	0.82%	1.01%	-12.71%
36	Ramsey	Micropolitan	\$7,045,423.20	1.37%	1.29%	-4.85%
37	Ransom	Rural	\$2,278,776.60	0.91%	0.78%	-11.09%
38	Renville	Rural	\$1,237,370.28	0.84%	0.85%	-9.04%
39	Richland	Micropolitan	\$6,184,629.96	0.65%	0.72%	-9.77%
40	Rolette	Micropolitan	\$3,986,553.48	1.06%	0.76%	4.59%
41	Sargent	Rural	\$1,102,960.68	0.13%	0.44%	-11.36%
42	Sheridan	Rural	\$567,650.76	1.40%	1.19%	-21.11%
43	Sioux	Rural	\$330,710.76	0.25%	0.27%	7.76%
44	Slope	Rural	\$111,987.84	0.20%	0.30%	-0.52%
45	Stark	Micropolitan	\$10,804,688.16	0.43%	0.57%	36.94%
46	Steele	Rural	\$728,813.52	0.40%	0.60%	-15.72%
47	Stutsman	Micropolitan	\$14,397,119.04	1.08%	1.26%	-4.52%
48	Towner	Rural	\$984,501.00	0.79%	0.84%	-23.78%
49	Traill	Rural	\$3,955,447.44	1.00%	0.96%	-5.19%
50	Walsh	Micropolitan	\$8,704,271.16	1.78%	1.67%	-13.90%
51	Ward	Metropolitan	\$25,931,866.68	0.69%	0.69%	15.22%
52	Wells	Rural	\$2,381,203.56	0.89%	1.09%	-22.44%
53	Williams	Micropolitan	\$9,001,977.48	0.17%	0.37%	78.89%

Figure A79. North Dakota County Type

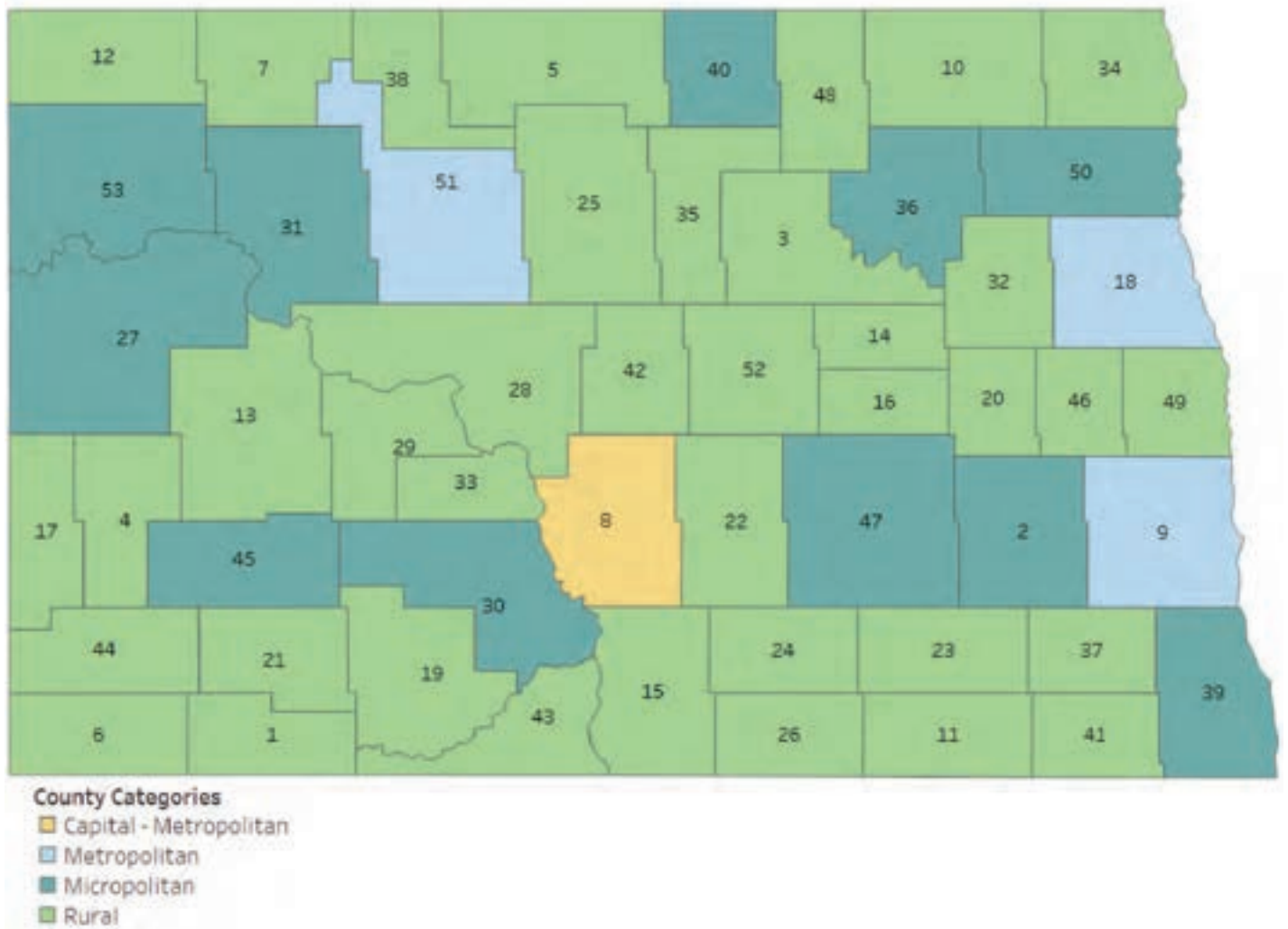


Figure A80. North Dakota Pension Benefit Dollars as Share of County GDP

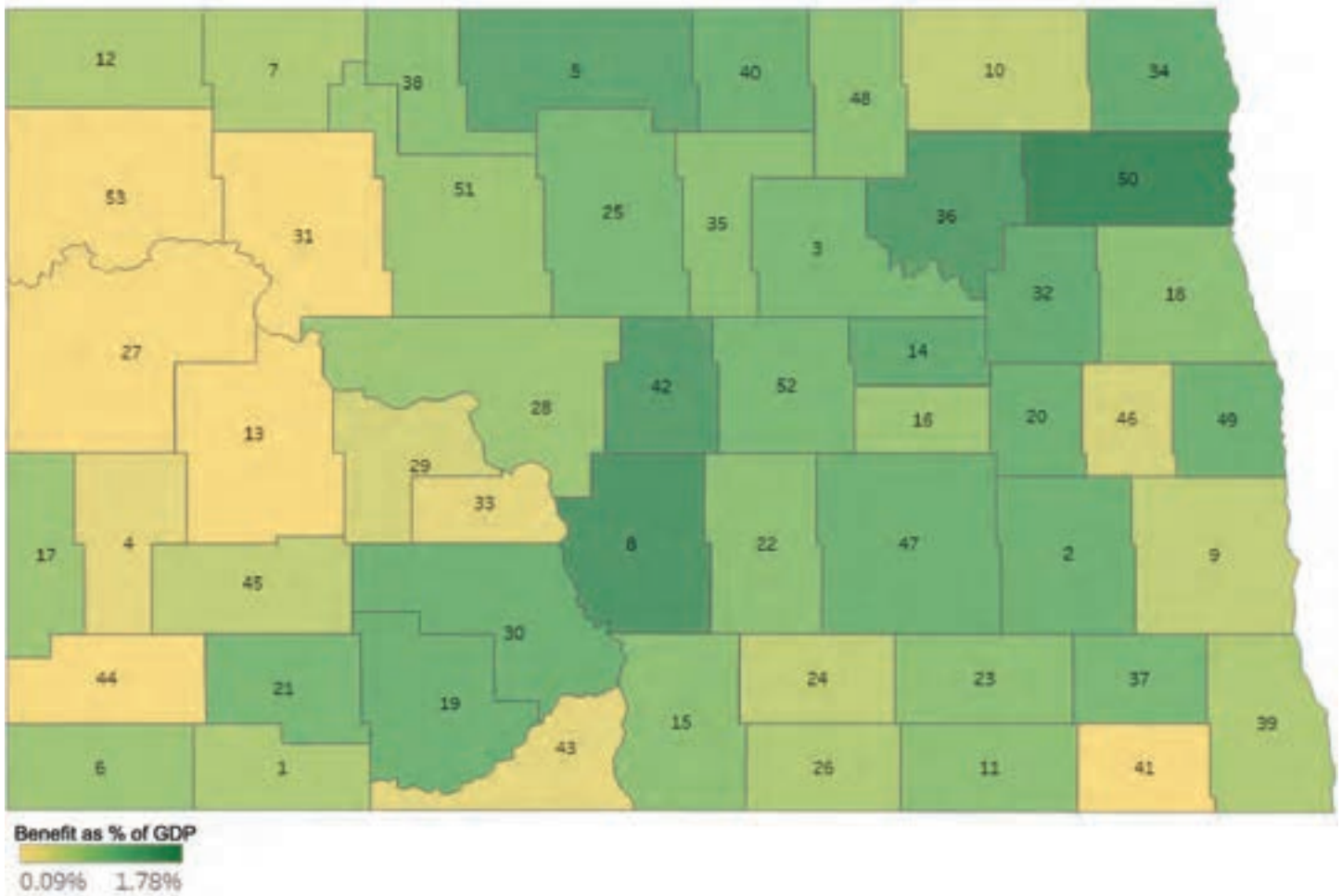
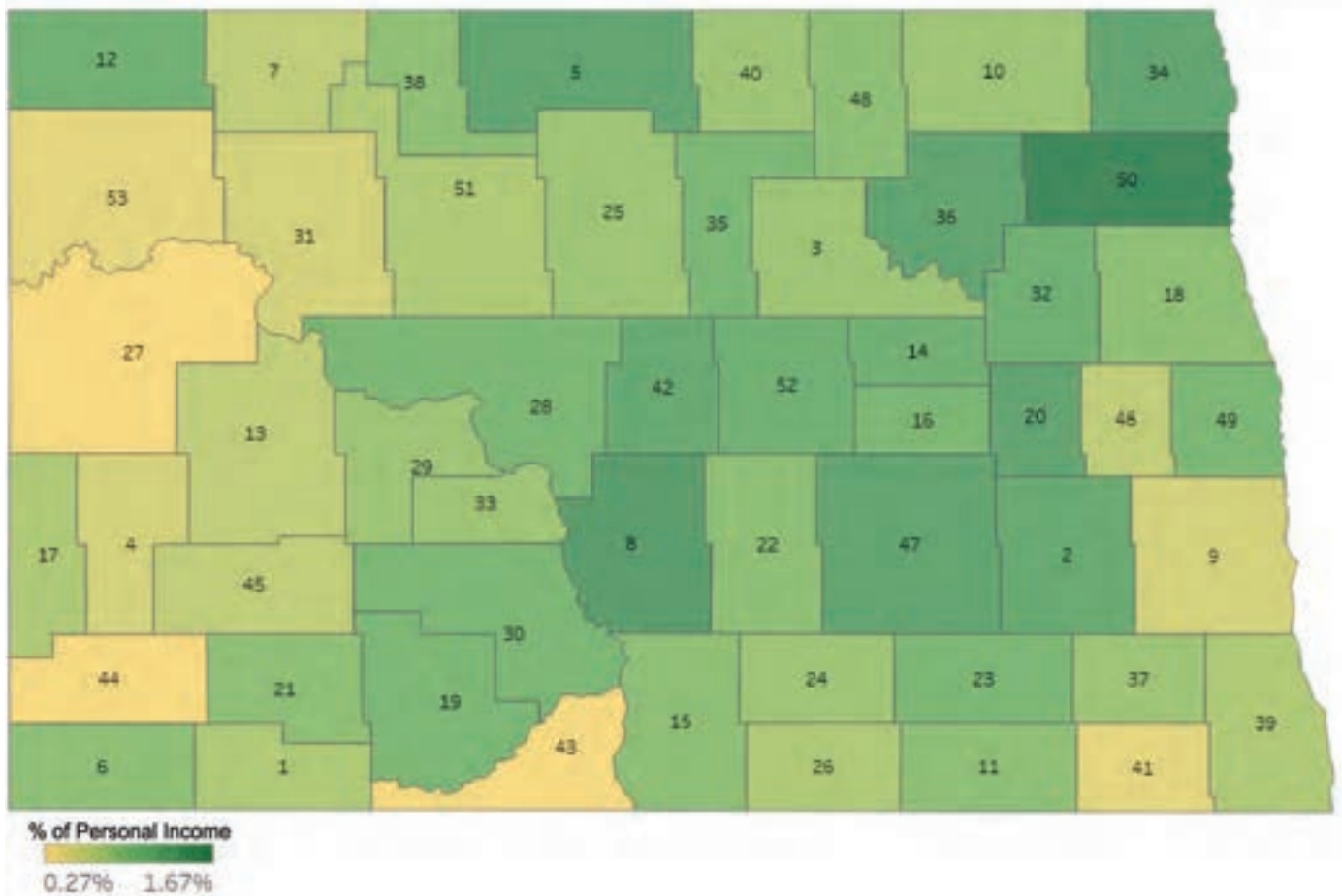


Figure A81. North Dakota Pension Benefit Dollars as Share of County Total Personal Income



Overview

In North Dakota, we received data from the North Dakota Public Employees Retirement System and the North Dakota Teachers' Fund for Retirement.

OHIO

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 1.8%
- Metropolitan: 2.1%
- Micropolitan: 2.4%
- Rural: -%

Total average percent of GDP in the state: 2.0%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 2.3%
- Metropolitan: 2.1%
- Micropolitan: 2.6%
- Rural: -%

Total average percent of TPI in the state: 2.2%

Table A28. Ohio County Data

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Adams	Micropolitan	\$30,996,604.02	3.71%	3.23%	1.44%
2	Allen	Metropolitan	\$108,006,527.90	1.43%	2.46%	-5.36%
3	Ashland	Metropolitan	\$61,558,507.04	3.78%	2.98%	2.33%
4	Ashtabula	Metropolitan	\$97,006,510.99	3.49%	2.59%	-5.10%
5	Athens	Metropolitan	\$125,966,743.84	6.63%	5.75%	5.78%
6	Auglaize	Micropolitan	\$50,341,490.76	2.25%	2.22%	-1.73%
7	Belmont	Metropolitan	\$62,128,653.89	1.01%	2.17%	-3.87%
8	Brown	Micropolitan	\$44,022,419.39	5.60%	2.71%	3.11%
9	Butler	Metropolitan	\$340,607,562.91	1.86%	1.88%	14.89%
10	Carroll	Micropolitan	\$26,326,244.76	0.83%	2.45%	-6.09%
11	Champaign	Micropolitan	\$40,121,039.91	3.79%	2.52%	-0.35%
12	Clark	Metropolitan	\$142,028,548.02	3.22%	2.59%	-7.02%
13	Clermont	Metropolitan	\$155,952,146.56	2.05%	1.41%	15.45%
14	Clinton	Micropolitan	\$48,045,195.69	2.48%	2.50%	3.73%
15	Columbiana	Metropolitan	\$81,454,536.43	2.74%	2.09%	-8.40%
16	Coshocton	Micropolitan	\$31,953,728.44	2.40%	2.50%	-0.07%
17	Crawford	Micropolitan	\$40,470,383.22	3.28%	2.52%	-11.53%
18	Cuyahoga	Metropolitan	\$1,357,804,933.45	1.53%	1.99%	-10.77%
19	Darke	Metropolitan	\$42,985,728.50	2.33%	1.96%	-3.73%
20	Defiance	Micropolitan	\$36,575,554.07	2.14%	2.31%	-3.38%
21	Delaware	Metropolitan	\$268,689,068.51	2.73%	1.77%	86.22%
22	Erie	Metropolitan	\$101,017,501.88	2.02%	2.16%	-6.20%
23	Fairfield	Metropolitan	\$207,672,702.83	5.47%	2.89%	26.90%
24	Fayette	Micropolitan	\$39,478,025.15	1.71%	3.58%	0.82%
25	Franklin (Capital)	Metropolitan	\$1,519,915,885.86	1.76%	2.30%	22.58%
26	Fulton	Micropolitan	\$43,087,391.62	2.17%	2.24%	0.46%
27	Gallia	Micropolitan	\$35,652,543.73	1.65%	2.98%	-3.51%
28	Geauga	Metropolitan	\$114,776,041.82	3.07%	1.77%	3.45%
29	Greene	Metropolitan	\$183,750,464.42	2.09%	2.17%	13.60%
30	Guernsey	Micropolitan	\$50,287,830.92	1.93%	3.23%	-4.34%
31	Hamilton	Metropolitan	\$622,952,024.42	0.93%	1.28%	-3.39%
32	Hancock	Metropolitan	\$68,711,090.88	1.31%	1.75%	6.50%
33	Hardin	Micropolitan	\$26,065,608.61	2.74%	2.47%	-1.46%
34	Harrison	Micropolitan	\$14,175,947.87	0.71%	2.42%	-4.30%

Table A28. **Ohio County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
35	Henry	Micropolitan	\$29,659,041.71	2.60%	2.39%	-7.27%
36	Highland	Micropolitan	\$44,835,565.62	4.37%	2.87%	5.34%
37	Hocking	Micropolitan	\$36,745,280.43	6.27%	3.40%	0.51%
38	Holmes	Micropolitan	\$25,357,039.17	1.15%	1.28%	12.71%
39	Huron	Metropolitan	\$48,202,553.71	2.23%	2.04%	-1.65%
40	Jackson	Micropolitan	\$37,866,764.63	4.21%	3.27%	-0.79%
41	Jefferson	Metropolitan	\$54,169,287.37	1.41%	2.10%	-11.00%
42	Knox	Metropolitan	\$72,916,431.38	3.85%	2.79%	13.57%
43	Lake	Metropolitan	\$273,614,310.17	2.61%	2.34%	1.32%
44	Lawrence	Metropolitan	\$46,387,468.06	2.85%	2.00%	-3.94%
45	Licking	Metropolitan	\$181,538,953.72	3.25%	2.24%	20.81%
46	Logan	Micropolitan	\$53,372,130.88	2.78%	2.74%	-1.41%
47	Lorain	Metropolitan	\$334,087,717.67	3.33%	2.34%	8.71%
48	Lucas	Metropolitan	\$471,256,760.44	1.91%	2.37%	-5.53%
49	Madison	Micropolitan	\$63,687,138.09	3.77%	3.43%	10.44%
50	Mahoning	Metropolitan	\$267,895,278.61	3.09%	2.71%	-10.84%
51	Marion	Metropolitan	\$67,624,875.60	2.51%	2.71%	-1.45%
52	Medina	Metropolitan	\$202,813,638.50	3.19%	2.03%	18.57%
53	Meigs	Micropolitan	\$25,845,737.51	7.09%	3.28%	0.15%
54	Mercer	Micropolitan	\$45,548,072.05	2.11%	2.16%	0.09%
55	Miami	Metropolitan	\$103,827,643.67	2.56%	2.06%	7.44%
56	Monroe	Micropolitan	\$14,675,358.07	0.44%	3.07%	-9.16%
57	Montgomery	Metropolitan	\$532,032,441.47	2.06%	2.13%	-4.78%
58	Morgan	Micropolitan	\$16,518,751.46	5.40%	3.41%	-1.97%
59	Morrow	Micropolitan	\$36,466,854.53	6.50%	2.69%	11.02%
60	Muskingum	Metropolitan	\$88,829,757.97	2.43%	2.54%	1.89%
61	Noble	Micropolitan	\$15,298,105.20	1.25%	3.92%	2.11%
62	Ottawa	Micropolitan	\$70,404,026.71	3.85%	3.34%	-0.53%
63	Paulding	Micropolitan	\$15,522,669.03	2.66%	2.02%	-7.55%
64	Perry	Micropolitan	\$33,818,538.17	4.72%	2.52%	5.74%
65	Pickaway	Metropolitan	\$72,660,750.35	4.27%	3.04%	10.16%
66	Pike	Micropolitan	\$32,571,375.13	1.89%	3.10%	1.34%
67	Portage	Metropolitan	\$217,772,695.34	4.00%	3.03%	7.15%
68	Preble	Micropolitan	\$42,469,550.90	3.76%	2.55%	-3.17%
69	Putnam	Micropolitan	\$33,456,657.79	2.60%	1.98%	-2.72%

Table A28. **Ohio County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
70	Richland	Metropolitan	\$127,102,257.70	2.89%	2.68%	-6.02%
71	Ross	Metropolitan	\$93,580,948.21	3.62%	3.29%	4.89%
72	Sandusky	Metropolitan	\$59,611,789.64	2.25%	2.44%	-4.84%
73	Scioto	Metropolitan	\$94,872,012.02	3.29%	3.22%	-4.66%
74	Seneca	Metropolitan	\$49,513,629.36	2.93%	2.26%	-5.92%
75	Shelby	Micropolitan	\$43,648,228.06	1.48%	1.94%	1.50%
76	Stark	Metropolitan	\$375,355,373.47	2.44%	2.24%	-1.73%
77	Summit	Metropolitan	\$624,315,383.27	2.27%	2.26%	-0.18%
78	Trumbull	Metropolitan	\$198,315,993.73	2.71%	2.41%	-11.77%
79	Tuscarawas	Metropolitan	\$90,373,374.54	2.64%	2.26%	1.39%
80	Union	Metropolitan	\$58,628,506.17	1.58%	1.83%	41.37%
81	Van Wert	Micropolitan	\$26,552,653.26	2.07%	2.20%	-4.65%
82	Vinton	Micropolitan	\$13,704,603.53	4.81%	3.15%	2.60%
83	Warren	Metropolitan	\$186,029,450.17	1.90%	1.34%	46.59%
84	Washington	Metropolitan	\$49,126,208.49	1.51%	1.88%	-4.89%
85	Wayne	Metropolitan	\$133,322,763.59	2.63%	2.61%	3.95%
86	Williams	Micropolitan	\$35,560,339.26	2.22%	2.32%	-6.08%
87	Wood	Metropolitan	\$199,214,184.07	3.17%	3.20%	7.96%
88	Wyandot	Micropolitan	\$23,038,239.95	2.30%	2.30%	-4.25%

Figure A82. Ohio County Type

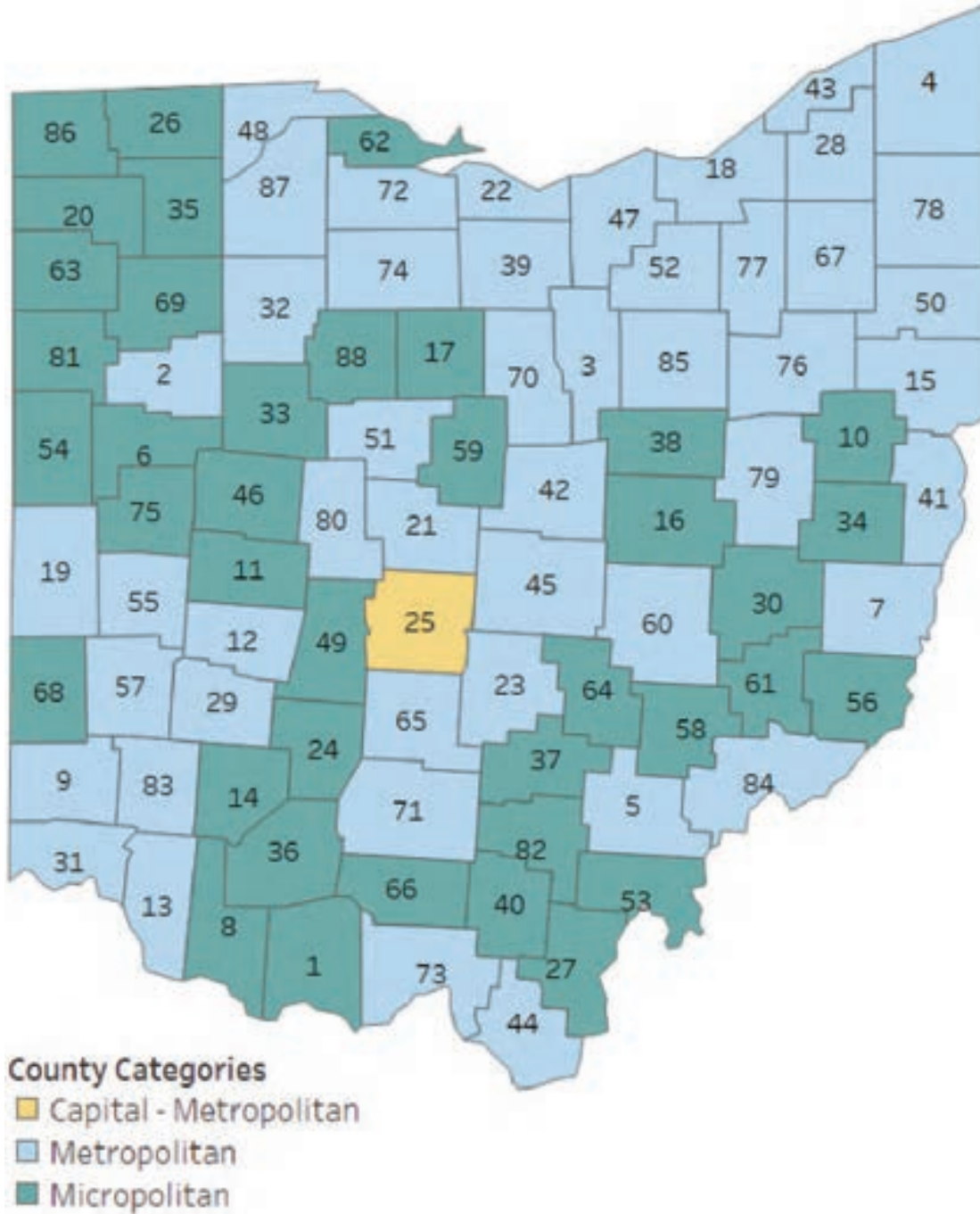
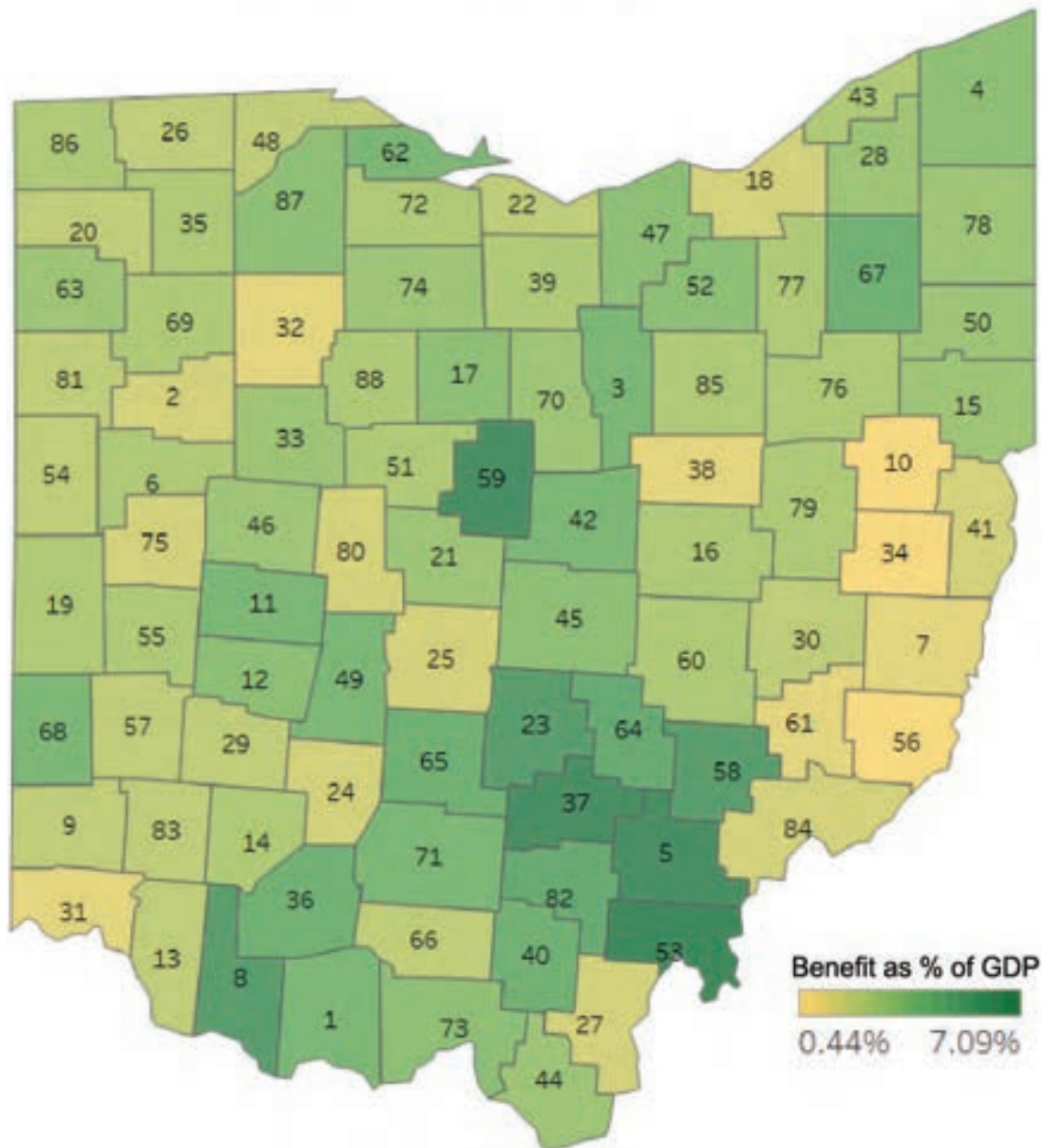


Figure A83. Ohio Pension Benefit Dollars as Share of County GDP



OKLAHOMA

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 0.6%
- Metropolitan: 0.9%
- Micropolitan: 1.7%
- Rural: 1.3%

Total average percent of GDP in the state: 1.0%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 0.9%
- Metropolitan: 0.8%
- Micropolitan: 1.4%
- Rural: 1.7%

Total average percent of TPI in the state: 1.0%

Table A29. Oklahoma County Data

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Adair	Micropolitan	\$10,327,089.74	2.53%	1.62%	4.96%
2	Alfalfa	Rural	\$4,826,284.28	1.62%	2.06%	-5.75%
3	Atoka	Micropolitan	\$10,001,675.56	3.38%	2.23%	-0.30%
4	Beaver	Rural	\$3,075,453.88	0.78%	1.18%	-9.19%
5	Beckham	Micropolitan	\$9,287,049.25	0.72%	1.13%	9.65%
6	Blaine	Rural	\$5,451,526.58	1.41%	1.39%	-20.80%
7	Bryan	Micropolitan	\$23,559,536.40	1.70%	1.44%	29.17%
8	Caddo	Micropolitan	\$16,251,904.06	1.96%	1.59%	-3.89%
9	Canadian	Metropolitan	\$63,012,119.44	1.51%	0.97%	64.71%
10	Carter	Micropolitan	\$22,428,177.32	0.81%	1.08%	5.60%
11	Cherokee	Micropolitan	\$29,355,481.19	2.69%	1.87%	14.47%
12	Choctaw	Micropolitan	\$7,813,463.87	1.95%	1.67%	-4.39%
13	Cimarron	Rural	\$1,206,985.88	0.53%	0.92%	-31.61%
14	Cleveland	Metropolitan	\$151,774,295.89	2.13%	1.19%	35.41%
15	Coal	Rural	\$3,540,043.30	3.13%	1.90%	-8.47%
16	Comanche	Metropolitan	\$48,003,299.03	1.08%	0.96%	4.72%
17	Cotton	Rural	\$3,033,173.99	1.97%	1.26%	-12.67%
18	Craig	Micropolitan	\$13,650,952.23	3.12%	2.67%	-4.31%
19	Creek	Metropolitan	\$25,296,322.31	1.43%	0.87%	6.29%
20	Custer	Micropolitan	\$18,736,409.28	1.16%	1.55%	11.07%
21	Delaware	Micropolitan	\$17,743,173.07	2.27%	1.33%	15.25%
22	Dewey	Rural	\$3,694,986.35	1.29%	1.70%	3.18%
23	Ellis	Rural	\$2,695,964.17	0.87%	1.32%	-3.02%
24	Garfield	Metropolitan	\$30,959,759.98	0.91%	1.14%	5.36%
25	Garvin	Micropolitan	\$18,346,981.87	1.27%	1.73%	2.21%
26	Grady	Metropolitan	\$23,713,987.46	1.79%	1.08%	22.05%
27	Grant	Rural	\$2,728,771.42	0.66%	1.40%	-15.90%
28	Greer	Rural	\$5,041,916.70	4.99%	3.29%	-3.96%
29	Harmon	Rural	\$1,895,534.03	2.70%	2.00%	-18.85%
30	Harper	Rural	\$3,992,995.32	1.36%	2.26%	6.60%
31	Haskell	Micropolitan	\$7,301,182.01	2.19%	1.78%	7.43%
32	Hughes	Micropolitan	\$6,850,748.72	2.03%	1.61%	-5.79%
33	Jackson	Micropolitan	\$13,891,225.30	1.20%	1.45%	-12.27%
34	Jefferson	Rural	\$3,144,840.50	2.41%	1.60%	-10.19%

Table A29. **Oklahoma County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
35	Johnston	Micropolitan	\$6,716,262.15	1.88%	1.68%	4.15%
36	Kay	Micropolitan	\$18,256,731.94	1.07%	1.01%	-8.15%
37	Kingfisher	Micropolitan	\$8,409,840.71	0.89%	1.08%	13.57%
38	Kiowa	Rural	\$6,377,157.57	3.05%	2.24%	-14.65%
39	Latimer	Micropolitan	\$6,143,681.80	1.66%	1.84%	-4.31%
40	Le Flore	Micropolitan	\$26,096,750.23	1.92%	1.60%	3.89%
41	Lincoln	Micropolitan	\$16,966,163.34	2.58%	1.36%	8.85%
42	Logan	Micropolitan	\$16,096,738.59	2.62%	0.79%	39.40%
43	Love	Micropolitan	\$2,993,272.25	0.75%	0.79%	14.75%
44	Major	Rural	\$5,247,302.53	1.16%	1.57%	1.31%
45	Marshall	Micropolitan	\$9,521,354.51	1.91%	1.73%	27.47%
46	Mayes	Micropolitan	\$26,031,755.88	1.81%	1.80%	7.14%
47	McClain	Micropolitan	\$25,433,890.84	2.66%	1.41%	44.14%
48	McCurtain	Micropolitan	\$15,665,433.12	1.78%	1.51%	-4.94%
49	McIntosh	Micropolitan	\$13,969,969.01	4.45%	2.12%	1.85%
50	Murray	Micropolitan	\$10,121,014.05	2.03%	1.72%	10.54%
51	Muskogee	Metropolitan	\$42,389,109.68	1.46%	1.69%	-1.57%
52	Noble	Micropolitan	\$6,582,919.16	1.08%	1.41%	-1.07%
53	Nowata	Micropolitan	\$3,170,282.56	1.80%	0.86%	-3.32%
54	Okfuskee	Micropolitan	\$7,813,737.36	3.86%	2.15%	2.40%
55	Oklahoma (Capital)	Metropolitan	\$391,477,309.90	0.60%	0.95%	20.01%
56	Okmulgee	Micropolitan	\$20,558,704.04	2.56%	1.58%	-3.40%
57	Osage	Micropolitan	\$10,890,863.75	1.30%	0.66%	5.80%
58	Ottawa	Micropolitan	\$16,536,035.00	1.86%	1.48%	-6.08%
59	Pawnee	Micropolitan	\$7,530,049.28	2.18%	1.28%	-1.34%
60	Payne	Metropolitan	\$59,472,507.06	1.93%	1.95%	20.31%
61	Pittsburg	Micropolitan	\$29,816,939.40	1.76%	1.76%	-0.17%
62	Pontotoc	Micropolitan	\$25,983,758.29	1.29%	1.57%	8.83%
63	Pottawatomie	Metropolitan	\$33,958,557.75	1.82%	1.25%	10.92%
64	Pushmataha	Micropolitan	\$8,419,147.54	4.09%	2.40%	-4.18%
65	Roger Mills	Rural	\$3,070,919.78	2.25%	1.73%	6.40%
66	Rogers	Metropolitan	\$33,827,034.22	1.33%	0.80%	30.21%
67	Seminole	Micropolitan	\$12,279,291.72	1.73%	1.47%	-1.27%
68	Sequoyah	Micropolitan	\$19,462,695.52	3.04%	1.41%	5.66%
69	Stephens	Micropolitan	\$20,974,611.91	1.41%	1.17%	0.19%

Table A29. **Oklahoma County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
70	Texas	Micropolitan	\$5,913,525.14	0.40%	0.62%	1.73%
71	Tillman	Rural	\$4,412,327.64	1.45%	1.50%	-20.88%
72	Tulsa	Metropolitan	\$229,742,604.42	0.50%	0.56%	15.10%
73	Wagoner	Metropolitan	\$19,424,227.82	1.91%	0.61%	39.34%
74	Washington	Metropolitan	\$15,853,085.48	0.20%	0.47%	5.81%
75	Washita	Micropolitan	\$6,411,156.39	2.57%	1.58%	-3.31%
76	Woods	Rural	\$7,346,002.93	1.02%	1.93%	-2.11%
77	Woodward	Micropolitan	\$11,446,178.80	0.90%	1.29%	9.39%

Figure A85. Oklahoma County Type

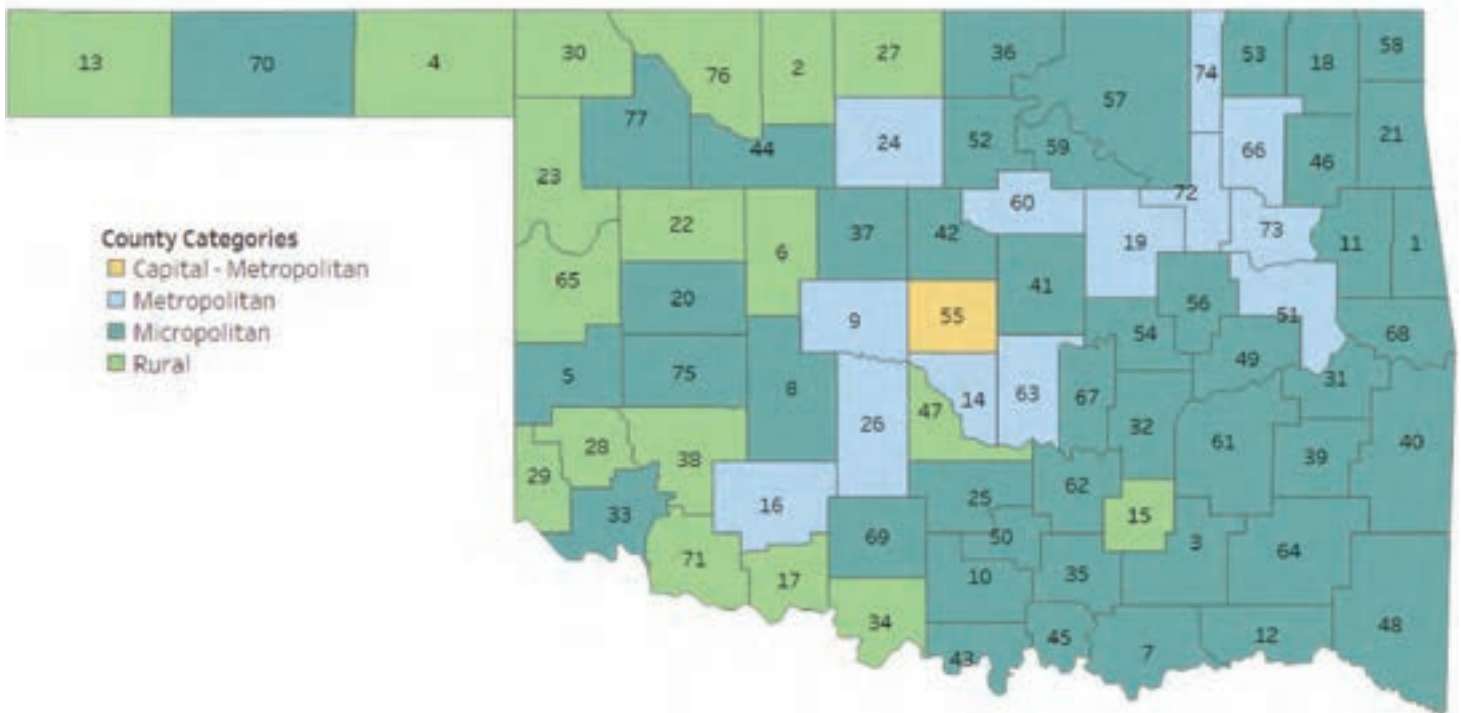


Figure A86. Oklahoma Pension Benefit Dollars as Share of County GDP

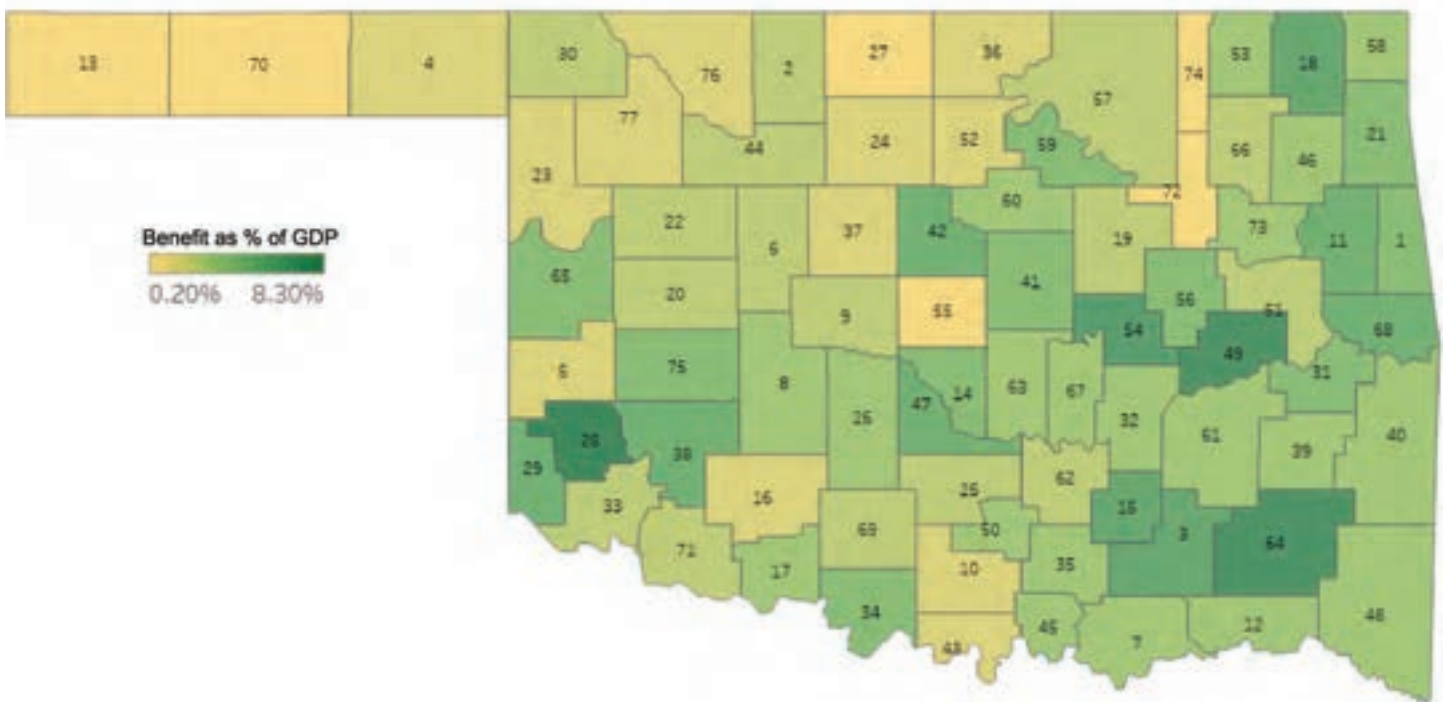
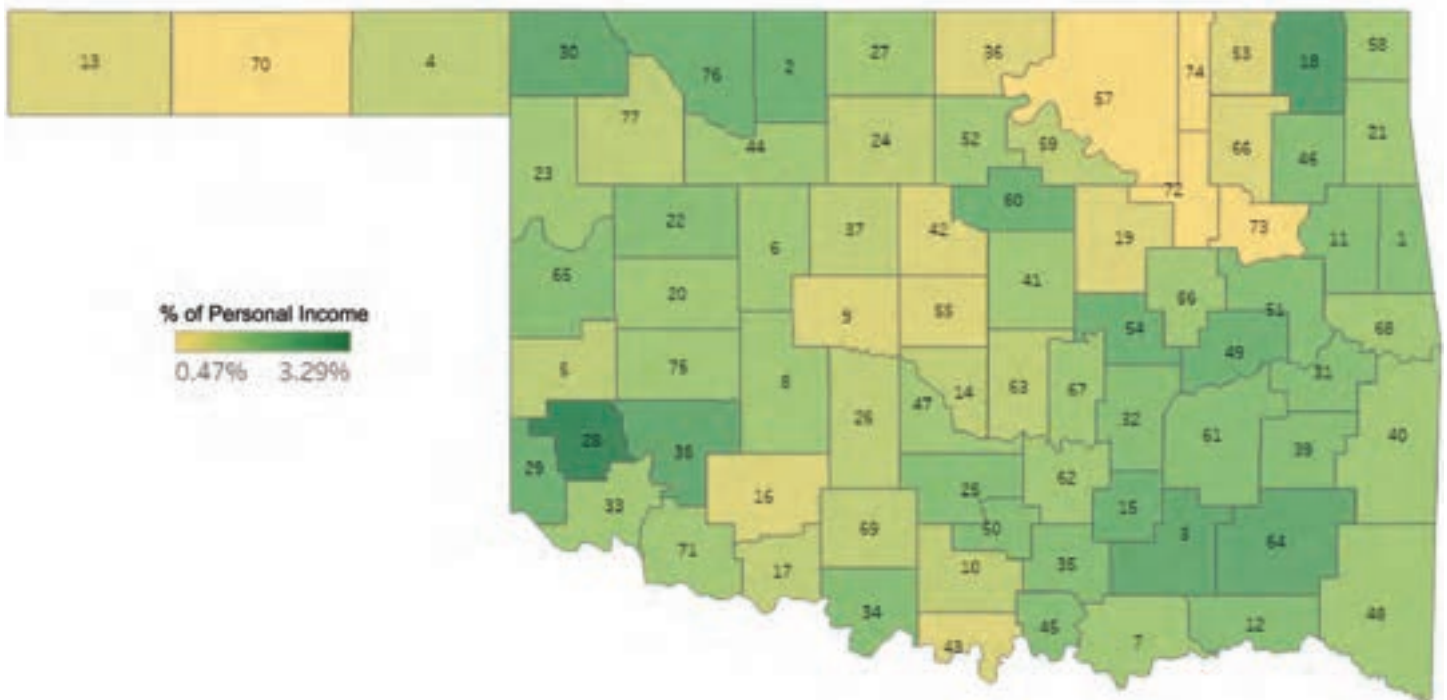


Figure A87. Oklahoma Pension Benefit Dollars as Share of County Total Personal Income



Overview

In Oklahoma, we received data from the Oklahoma Police Pension Retirement System, the Oklahoma Public Employees Retirement System, and the Oklahoma Teachers Retirement System.

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Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 3.6%
- Metropolitan: 1.7%
- Micropolitan: 2.5%
- Rural: 1.9%

Total average percent of GDP in the state: 1.9%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 3.5%
- Metropolitan: 1.8%
- Micropolitan: 2.3%
- Rural: 2.8%

Total average percent of TPI in the state: 1.9%

Table A30. Oregon County Data

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Baker	Micropolitan	\$22,466,726.64	3.87%	3.45%	-4.39%
2	Benton	Metropolitan	\$147,083,455.68	3.13%	3.40%	17.85%
3	Clackamas	Metropolitan	\$449,381,876.88	2.30%	1.84%	22.96%
4	Clatsop	Micropolitan	\$39,940,738.32	2.30%	2.23%	11.60%
5	Columbia	Metropolitan	\$49,982,723.52	4.14%	2.15%	20.24%
6	Coos	Metropolitan	\$58,614,779.76	2.80%	2.09%	2.56%
7	Crook	Micropolitan	\$25,531,539.96	3.66%	2.61%	24.42%
8	Curry	Micropolitan	\$14,257,624.68	2.28%	1.47%	7.93%
9	Deschutes	Metropolitan	\$195,975,186.84	2.39%	1.85%	66.42%
10	Douglas	Metropolitan	\$105,839,982.48	3.13%	2.38%	9.84%
11	Gilliam	Rural	\$2,428,831.44	0.81%	2.65%	-1.10%
12	Grant	Rural	\$8,254,661.64	3.05%	2.74%	-9.57%
13	Harney	Rural	\$8,184,621.36	2.97%	2.85%	-3.68%
14	Hood River	Micropolitan	\$20,967,966.36	1.83%	1.58%	14.78%
15	Jackson	Metropolitan	\$172,926,657.24	2.10%	1.69%	21.13%
16	Jefferson	Micropolitan	\$15,804,650.28	2.29%	1.98%	27.27%
17	Josephine	Metropolitan	\$54,725,143.08	2.14%	1.53%	15.41%
18	Klamath	Metropolitan	\$50,418,590.52	2.26%	1.87%	6.08%
19	Lake	Rural	\$7,570,880.76	2.64%	2.41%	6.16%
20	Lane	Metropolitan	\$453,957,766.68	3.01%	2.60%	17.54%
21	Lincoln	Micropolitan	\$51,231,137.16	2.91%	2.35%	11.04%
22	Linn	Metropolitan	\$135,483,969.96	3.07%	2.48%	23.54%
23	Malheur	Micropolitan	\$24,291,919.56	2.05%	2.55%	-2.82%
24	Marion (Capital)	Metropolitan	\$522,279,724.32	3.64%	3.50%	21.78%
25	Morrow	Micropolitan	\$6,853,513.68	0.63%	1.54%	3.43%
26	Multnomah	Metropolitan	\$609,251,286.36	1.02%	1.30%	22.92%
27	Polk	Metropolitan	\$154,899,275.64	8.61%	4.39%	36.64%
28	Sherman	Rural	\$2,417,121.96	0.41%	2.71%	-11.69%
29	Tillamook	Micropolitan	\$32,896,890.72	3.46%	2.76%	10.41%
30	Umatilla	Metropolitan	\$73,330,980.48	2.16%	2.38%	9.88%
31	Union	Micropolitan	\$34,051,161.48	3.59%	3.17%	7.87%
32	Wallowa	Rural	\$10,053,895.56	2.78%	3.15%	-2.01%
33	Wasco	Micropolitan	\$26,610,763.68	2.15%	2.30%	11.41%
34	Washington	Metropolitan	\$406,036,405.80	0.85%	1.11%	34.21%

Table A30. **Oregon County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
35	Wheeler	Rural	\$1,835,597.40	2.86%	3.62%	-11.70%
36	Yamhill	Metropolitan	\$88,466,274.84	2.61%	1.82%	25.90%

Figure A88. Oregon County Type

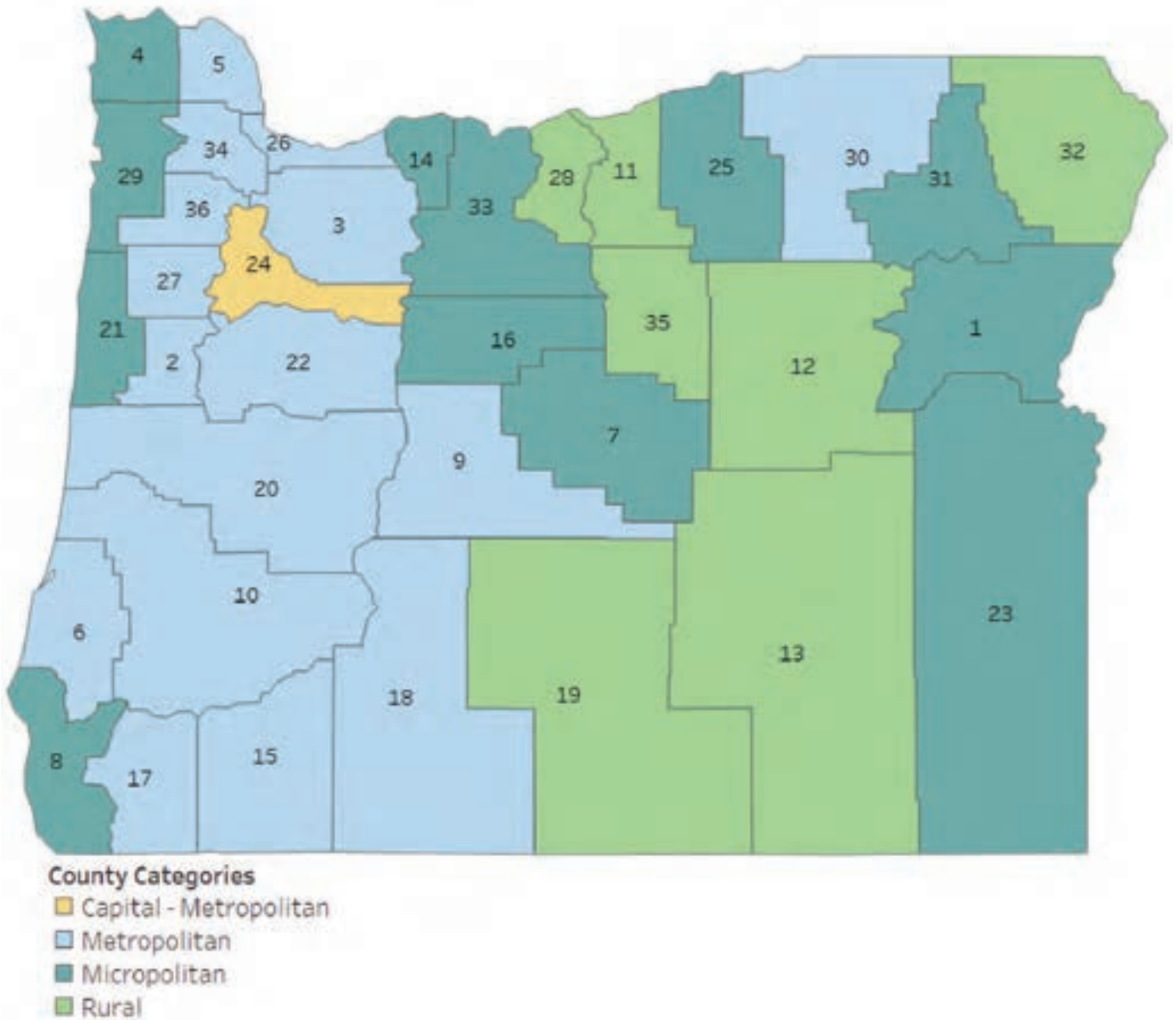


Figure A89. Oregon Pension Benefit Dollars as Share of County GDP

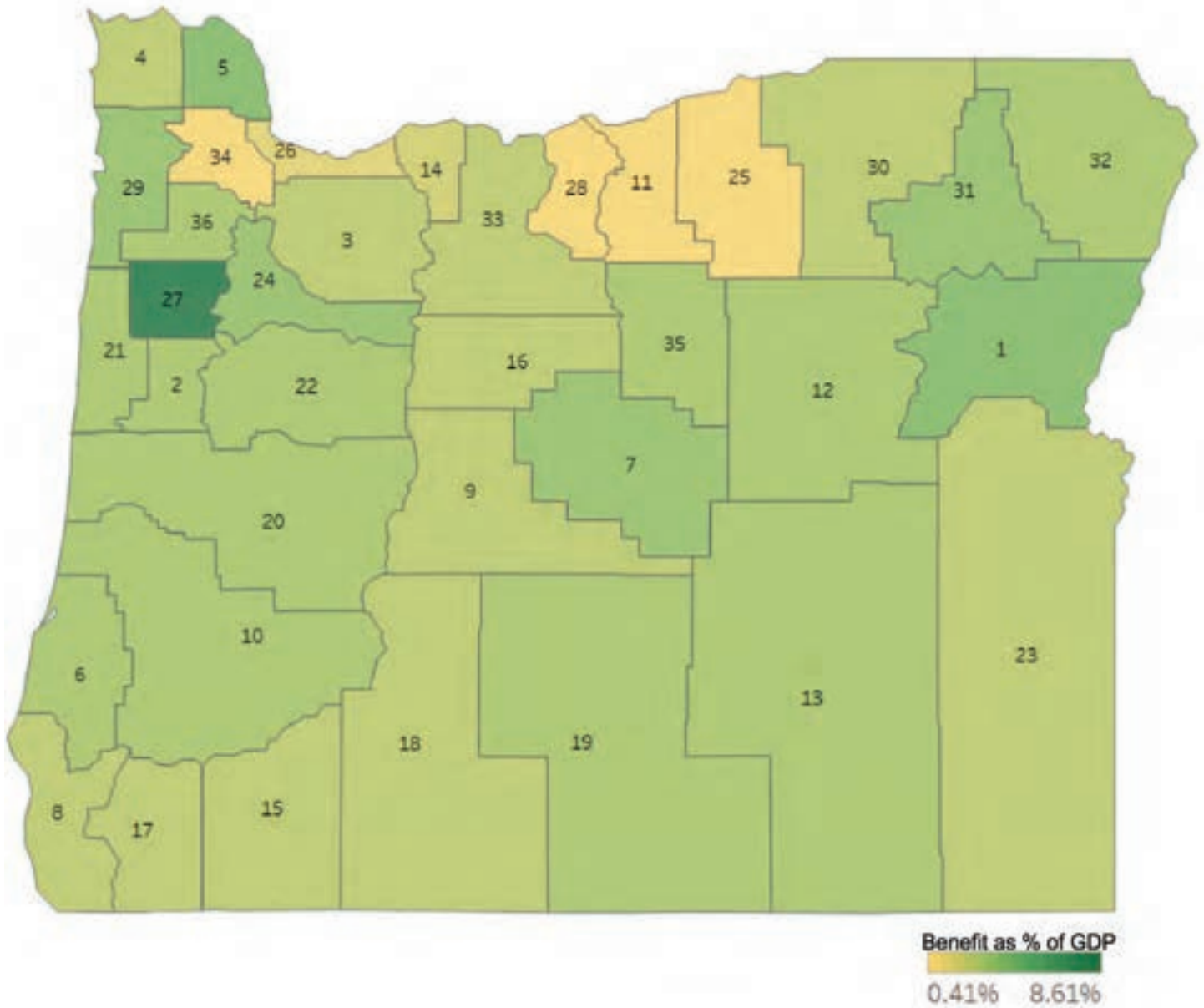
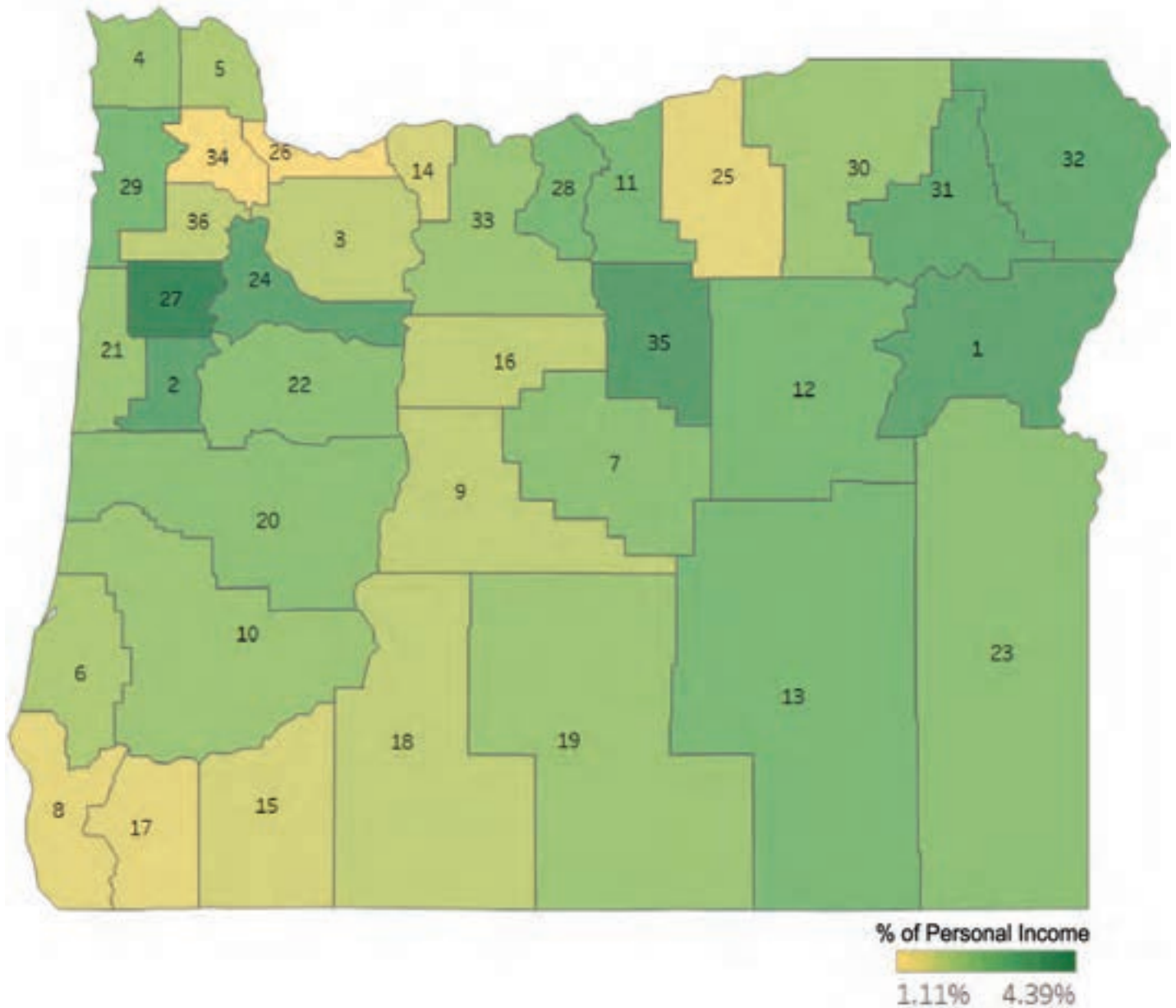


Figure A90. Oregon Pension Benefit Dollars as Share of County Total Personal Income



Overview

In Oregon, we received data from the Oregon Public Employees Retirement System.

PENNSYLVANIA

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 2.0%
- Metropolitan: 1.2%
- Micropolitan: 2.0%
- Rural: 1.7%

Total average percent of GDP in the state: 1.3%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 3.0%
- Metropolitan: 1.2%
- Micropolitan: 2.2%
- Rural: 2.7%

Total average percent of TPI in the state: 1.3%

Table A31. Pennsylvania County Data

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Adams	Metropolitan	\$64,493,591.21	1.85%	1.28%	12.62%
2	Allegheny	Metropolitan	\$754,320,736.98	0.87%	0.98%	-4.93%
3	Armstrong	Metropolitan	\$50,660,303.44	2.16%	1.71%	-9.85%
4	Beaver	Metropolitan	\$110,929,252.39	1.56%	1.38%	-9.19%
5	Bedford	Micropolitan	\$41,244,394.12	2.74%	2.00%	-3.62%
6	Berks	Metropolitan	\$265,500,317.42	1.44%	1.27%	12.45%
7	Blair	Metropolitan	\$115,792,441.17	2.16%	2.02%	-5.15%
8	Bradford	Metropolitan	\$37,890,340.12	0.74%	1.51%	-3.07%
9	Bucks	Metropolitan	\$422,022,938.96	1.38%	0.91%	5.11%
10	Butler	Metropolitan	\$157,733,160.93	1.57%	1.42%	7.93%
11	Cambria	Metropolitan	\$149,049,024.30	3.28%	2.61%	-13.68%
12	Cameron	Rural	\$5,413,203.40	2.22%	2.48%	-24.81%
13	Carbon	Metropolitan	\$42,841,374.44	1.95%	1.33%	9.23%
14	Centre	Metropolitan	\$225,645,928.38	2.85%	3.00%	19.92%
15	Chester	Metropolitan	\$366,709,740.32	0.87%	0.85%	20.43%
16	Clarion	Micropolitan	\$41,424,544.20	3.44%	2.56%	-7.15%
17	Clearfield	Metropolitan	\$72,424,898.97	2.76%	2.05%	-4.79%
18	Clinton	Micropolitan	\$41,332,676.59	2.81%	2.69%	2.03%
19	Columbia	Metropolitan	\$67,178,566.45	2.91%	2.43%	2.03%
20	Crawford	Metropolitan	\$73,422,984.12	2.48%	2.11%	-5.87%
21	Cumberland	Metropolitan	\$328,470,984.27	2.37%	2.37%	17.67%
22	Dauphin (Capital)	Metropolitan	\$431,615,275.30	2.04%	3.05%	10.05%
23	Delaware	Metropolitan	\$350,226,319.71	1.14%	0.93%	2.52%
24	Elk	Micropolitan	\$17,090,257.86	1.16%	1.16%	-14.08%
25	Erie	Metropolitan	\$183,545,638.61	1.64%	1.50%	-3.13%
26	Fayette	Metropolitan	\$136,301,224.90	3.40%	2.45%	-12.25%
27	Forest	Rural	\$6,556,728.99	2.39%	3.95%	47.17%
28	Franklin	Metropolitan	\$84,167,793.62	1.51%	1.17%	19.74%
29	Fulton	Micropolitan	\$13,359,695.08	2.01%	2.02%	1.84%
30	Greene	Micropolitan	\$31,555,457.53	0.71%	1.93%	-10.24%
31	Huntingdon	Micropolitan	\$59,925,611.15	4.75%	3.44%	-0.92%
32	Indiana	Metropolitan	\$101,832,006.86	2.63%	3.02%	-5.70%
33	Jefferson	Micropolitan	\$40,652,975.94	2.59%	2.11%	-4.99%
34	Juniata	Micropolitan	\$43,195,803.53	5.71%	3.86%	8.25%

Table A31. Pennsylvania County Data (continued)

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
35	Lackawanna	Metropolitan	\$177,254,388.10	1.96%	1.76%	-1.17%
36	Lancaster	Metropolitan	\$351,090,405.74	1.33%	1.23%	15.49%
37	Lawrence	Metropolitan	\$85,095,704.35	2.99%	2.25%	-8.94%
38	Lebanon	Metropolitan	\$104,953,659.38	1.85%	1.54%	17.44%
39	Lehigh	Metropolitan	\$188,670,162.48	0.87%	0.96%	17.95%
40	Luzerne	Metropolitan	\$253,335,053.23	1.70%	1.76%	-0.50%
41	Lycoming	Metropolitan	\$111,145,743.41	1.70%	2.23%	-5.31%
42	McKean	Micropolitan	\$27,968,668.78	1.50%	1.51%	-10.82%
43	Mercer	Metropolitan	\$96,339,986.14	2.35%	2.02%	-7.99%
44	Mifflin	Micropolitan	\$33,693,289.28	2.11%	1.83%	-0.57%
45	Monroe	Metropolitan	\$67,116,438.93	1.18%	0.93%	22.22%
46	Montgomery	Metropolitan	\$704,402,465.81	1.01%	1.05%	10.47%
47	Montour	Micropolitan	\$20,045,216.78	1.16%	1.91%	0.02%
48	Northampton	Metropolitan	\$177,229,464.73	1.42%	1.06%	14.13%
49	Northumberland	Metropolitan	\$82,593,402.12	2.83%	2.17%	-3.67%
50	Perry	Micropolitan	\$67,823,611.55	7.70%	3.29%	5.82%
51	Philadelphia	Metropolitan	\$500,805,923.48	0.45%	0.57%	4.39%
52	Pike	Metropolitan	\$15,997,446.98	1.28%	0.60%	20.80%
53	Potter	Micropolitan	\$13,592,496.28	1.83%	1.91%	-8.06%
54	Schuylkill	Metropolitan	\$123,483,777.62	2.57%	2.03%	-5.50%
55	Snyder	Micropolitan	\$41,185,639.81	2.66%	2.39%	7.97%
56	Somerset	Metropolitan	\$68,357,201.21	2.63%	2.19%	-7.59%
57	Sullivan	Rural	\$6,197,535.20	1.10%	2.21%	-7.40%
58	Susquehanna	Micropolitan	\$28,212,373.02	0.55%	1.53%	-3.90%
59	Tioga	Micropolitan	\$33,868,727.49	1.57%	2.02%	-1.47%
60	Union	Micropolitan	\$36,816,599.08	2.09%	1.99%	7.59%
61	Venango	Metropolitan	\$62,928,044.88	3.61%	2.91%	-10.94%
62	Warren	Micropolitan	\$38,308,516.66	2.41%	2.26%	-9.95%
63	Washington	Metropolitan	\$191,221,221.10	1.27%	1.55%	2.19%
64	Wayne	Metropolitan	\$36,109,255.41	2.37%	1.60%	7.45%
65	Westmoreland	Metropolitan	\$305,975,268.59	2.34%	1.67%	-5.24%
66	Wyoming	Micropolitan	\$29,446,654.08	1.34%	2.40%	-3.68%
67	York	Metropolitan	\$252,135,722.01	1.35%	1.12%	17.43%

Figure A91. Pennsylvania County Type

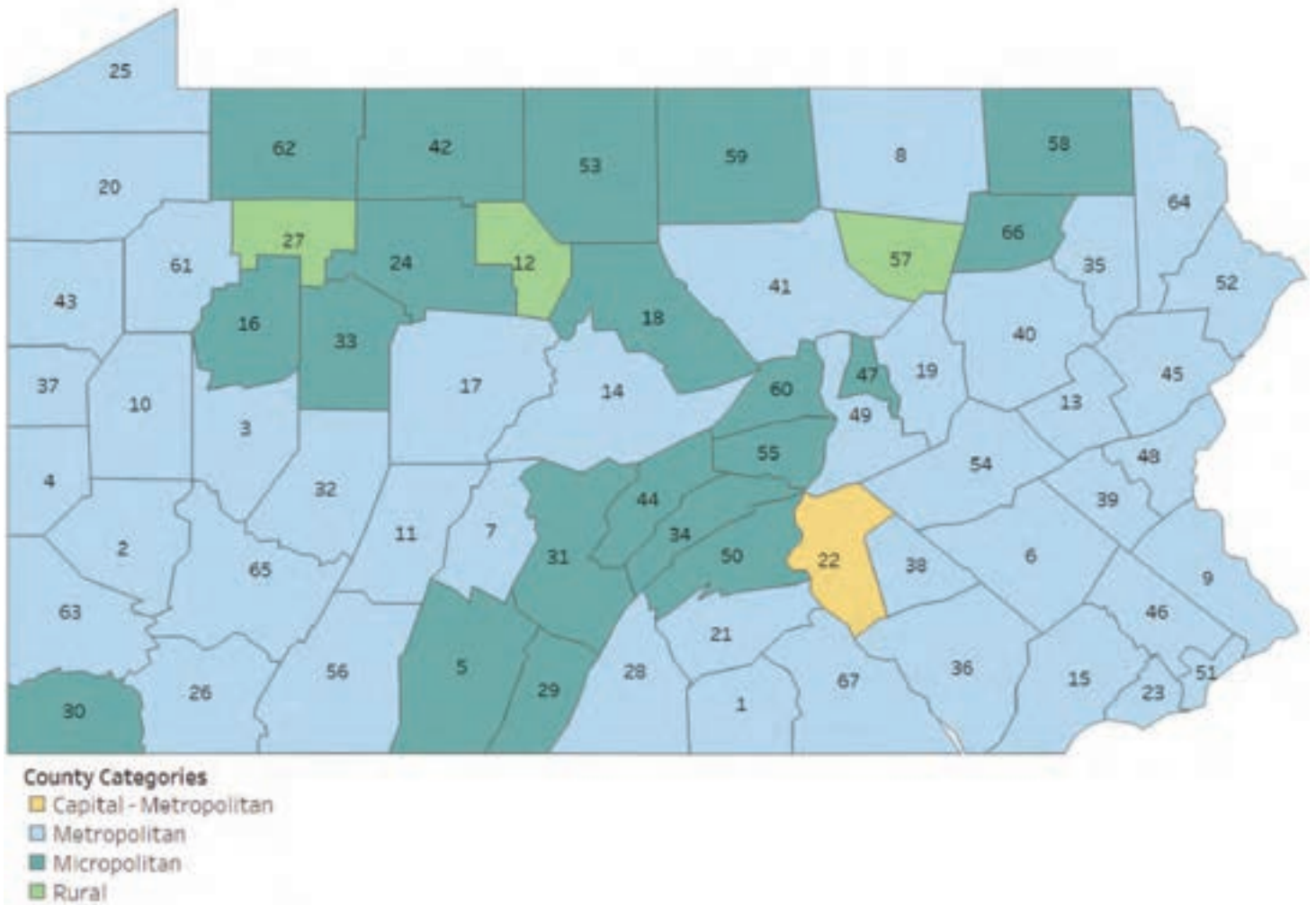
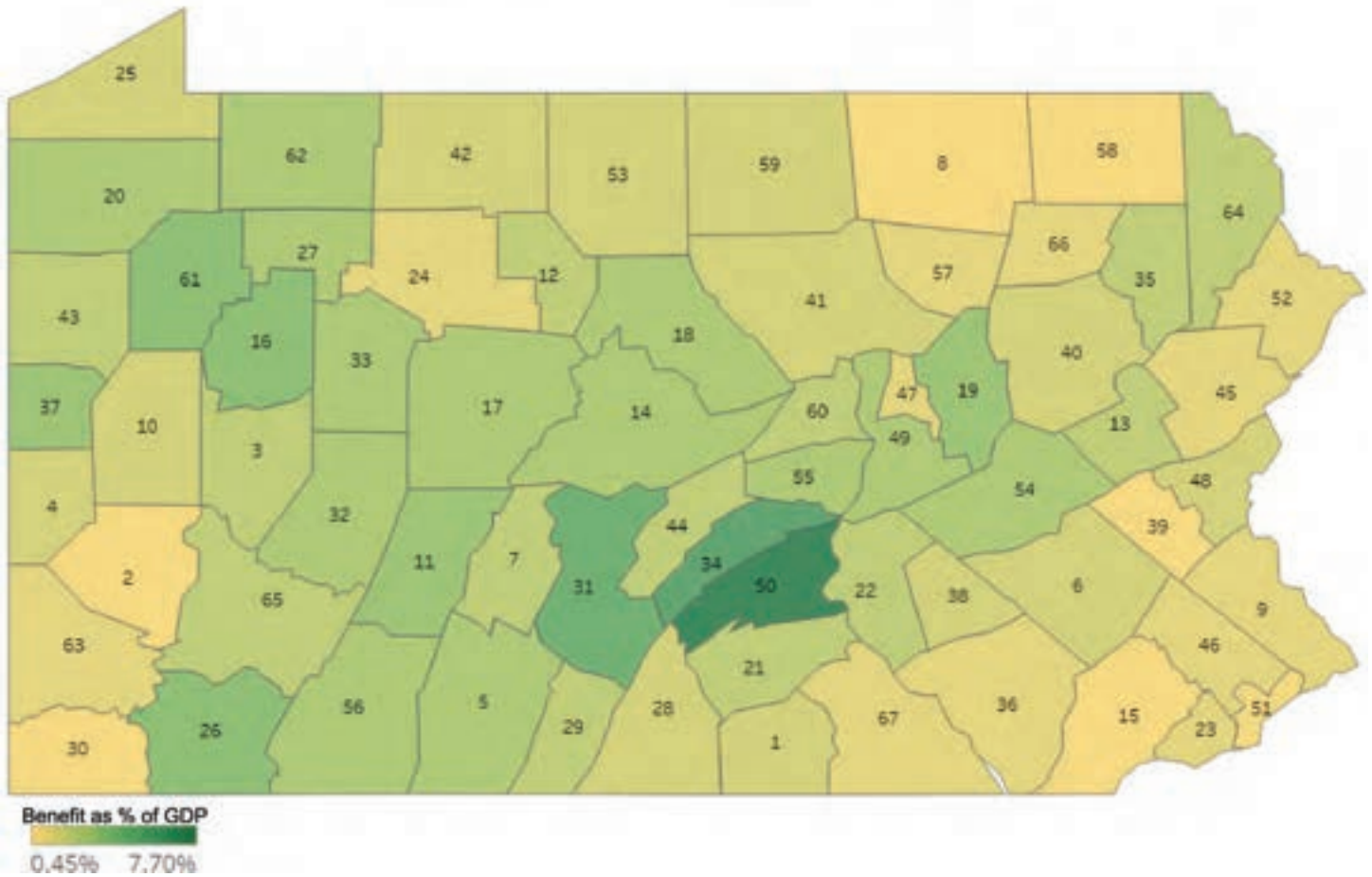


Figure A92. Pennsylvania Pension Benefit Dollars as Share of County GDP



RHODE ISLAND

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 1.2%
- Metropolitan: 1.8%
- Micropolitan: 2.9%
- Rural: -%

Total average percent of GDP in the state: 1.4%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 1.2%
- Metropolitan: 1.5%
- Micropolitan: 1.2%
- Rural: -%

Total average percent of TPI in the state: 1.3%

Table A32. Rhode Island County Data

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Bristol	Micropolitan	\$44,168,881.30	2.86%	1.15%	-3.95%
2	Kent	Metropolitan	\$140,566,831.68	1.74%	1.44%	-1.93%
3	Newport	Metropolitan	\$59,044,039.54	1.11%	1.04%	-3.38%
4	Providence (Capital)	Metropolitan	\$381,137,451.51	1.18%	1.24%	2.33%
5	Washington	Metropolitan	\$148,877,733.74	2.38%	1.84%	2.13%

Figure A94. Rhode Island County Type

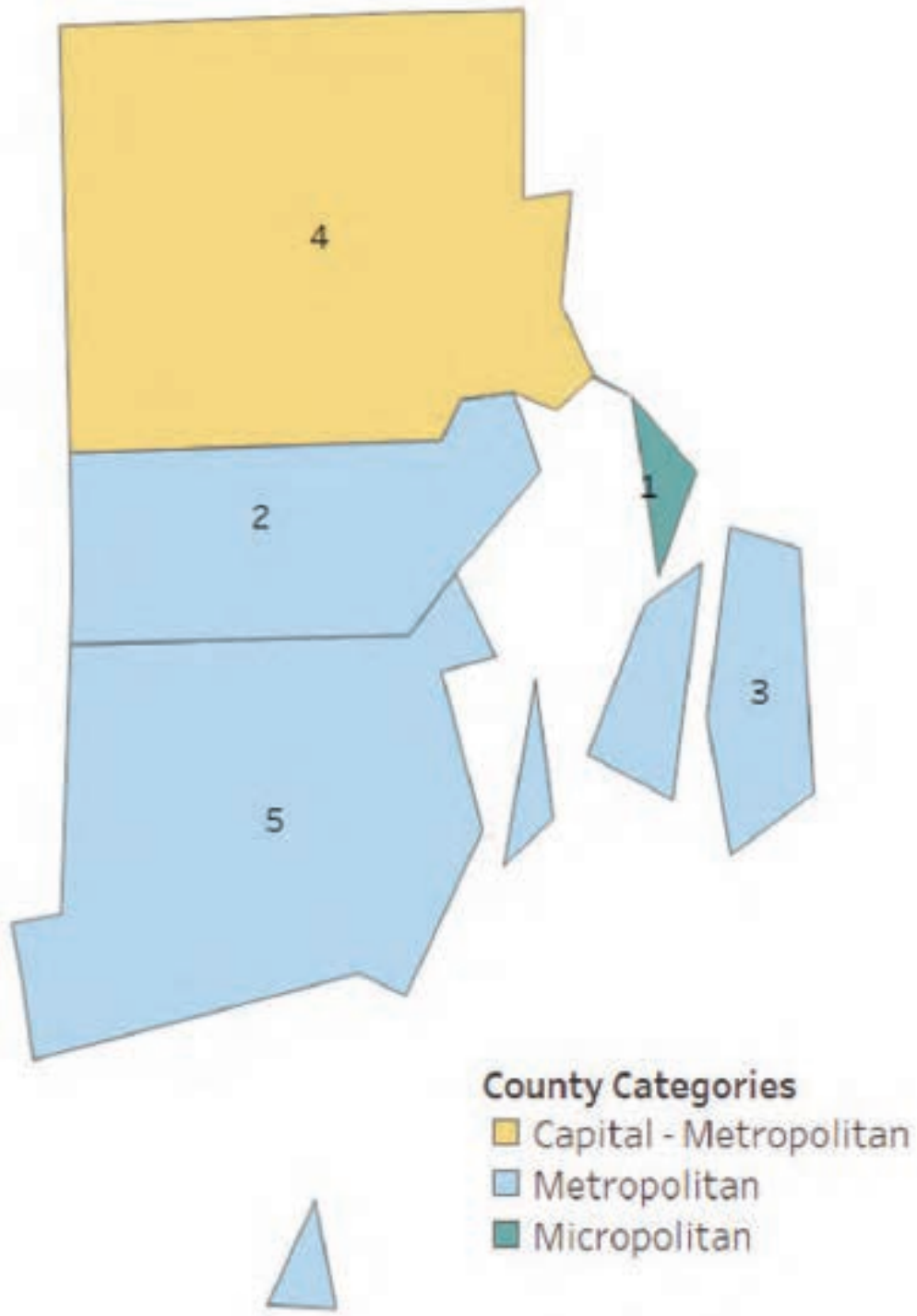


Figure A95. Rhode Island Pension Benefit Dollars as Share of County GDP

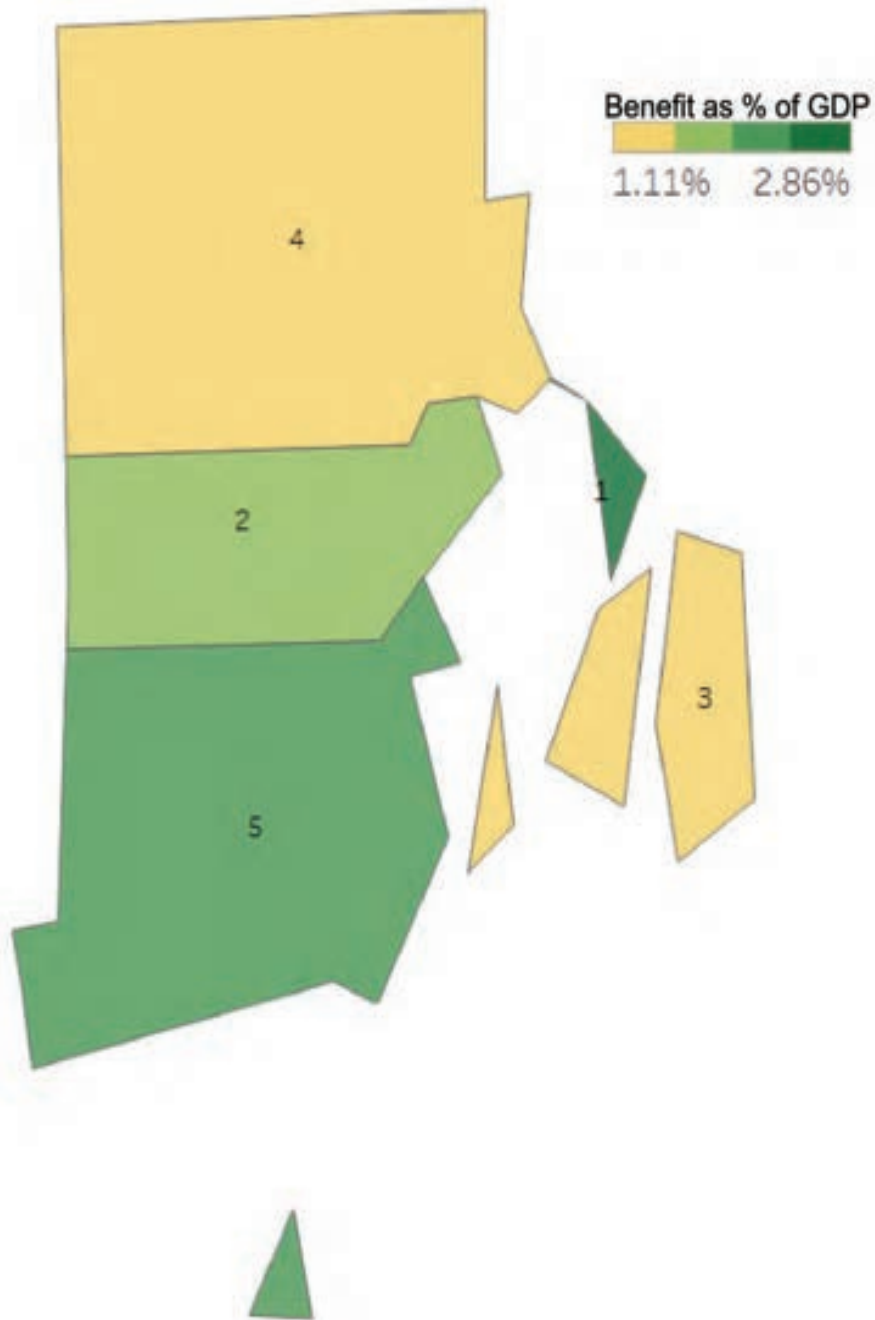
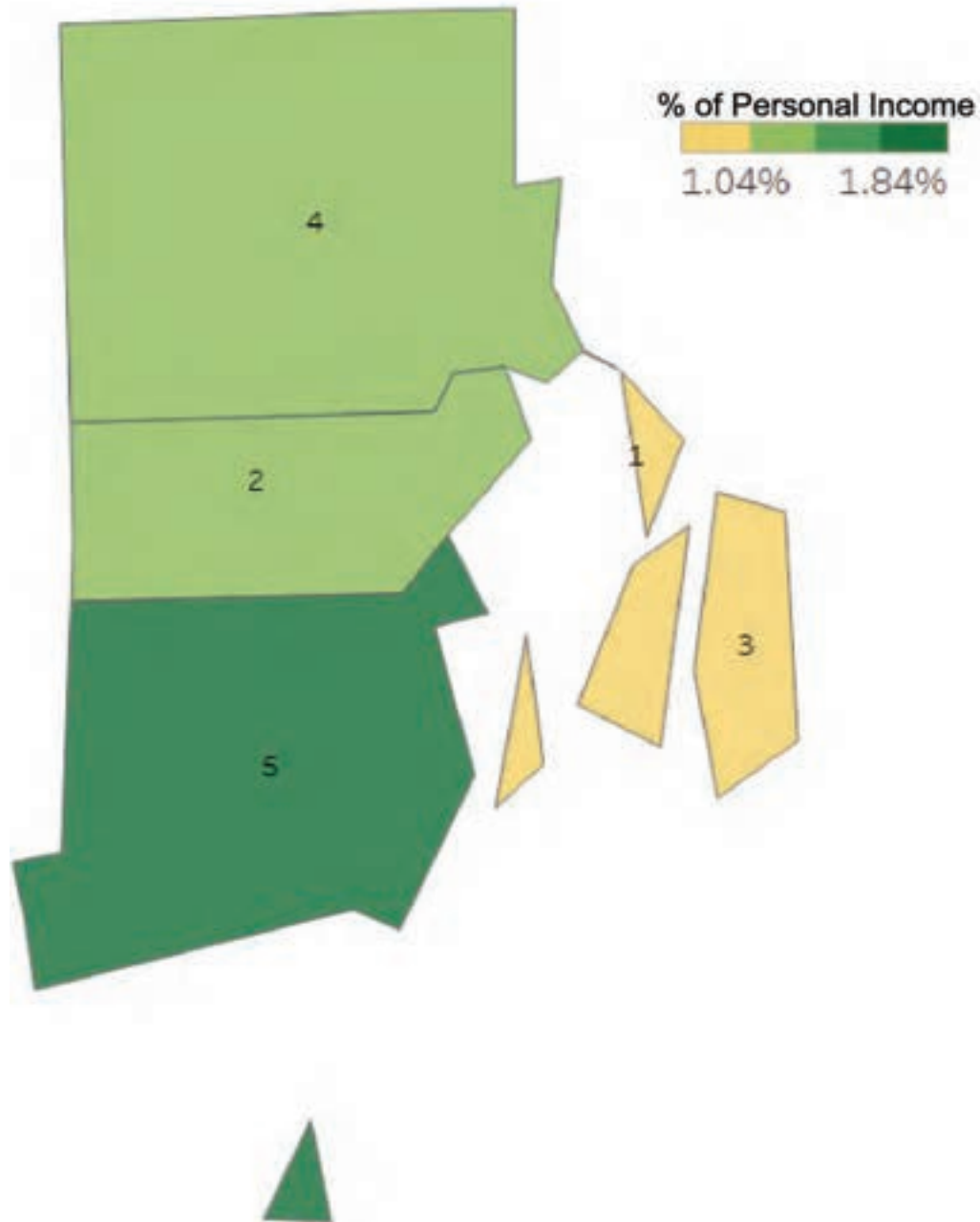


Figure A96. Rhode Island Pension Benefit Dollars as Share of County Total Personal Income



Overview

In Rhode Island, we received data from the Employees' Retirement System of Rhode Island.

SOUTH CAROLINA

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 2.2%
- Metropolitan: 1.6%
- Micropolitan: 3.1%
- Rural: 2.6%

Total average percent of GDP in the state: 1.8%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 2.7%
- Metropolitan: 1.5%
- Micropolitan: 2.5%
- Rural: 2.0%

Total average percent of TPI in the state: 1.7%

Table A33. South Carolina County Data

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Abbeville	Micropolitan	\$20,228,793.96	3.80%	2.42%	-6.21%
2	Aiken	Metropolitan	\$78,651,816.23	1.31%	1.09%	18.83%
3	Allendale	Rural	\$7,171,281.05	2.15%	2.42%	-20.59%
4	Anderson	Metropolitan	\$130,995,527.87	2.09%	1.65%	20.96%
5	Bamberg	Micropolitan	\$13,378,025.08	4.34%	2.85%	-14.31%
6	Barnwell	Micropolitan	\$17,470,038.85	2.79%	2.48%	-10.08%
7	Beaufort	Metropolitan	\$73,226,478.59	1.12%	0.68%	56.04%
8	Berkeley	Metropolitan	\$150,013,280.78	2.13%	1.68%	54.99%
9	Calhoun	Micropolitan	\$16,528,792.73	2.26%	2.96%	-4.38%
10	Charleston	Metropolitan	\$333,113,664.08	1.21%	1.33%	30.95%
11	Cherokee	Metropolitan	\$34,123,976.61	1.77%	1.80%	8.64%
12	Chester	Micropolitan	\$21,407,944.04	2.05%	1.95%	-5.33%
13	Chesterfield	Micropolitan	\$26,991,638.54	1.88%	1.90%	6.98%
14	Clarendon	Micropolitan	\$27,727,397.23	5.03%	2.48%	3.69%
15	Colleton	Micropolitan	\$32,640,465.95	3.59%	2.43%	-1.58%
16	Darlington	Metropolitan	\$42,069,866.71	1.85%	1.68%	-0.88%
17	Dillon	Micropolitan	\$22,791,782.20	3.00%	2.69%	-0.40%
18	Dorchester	Metropolitan	\$97,961,919.87	3.17%	1.57%	66.62%
19	Edgefield	Micropolitan	\$16,365,897.37	3.03%	1.66%	9.99%
20	Fairfield	Micropolitan	\$26,783,722.55	2.19%	3.25%	-4.49%
21	Florence	Metropolitan	\$106,939,223.13	1.58%	1.85%	9.86%
22	Georgetown	Metropolitan	\$66,706,217.87	3.04%	2.28%	11.56%
23	Greenville	Metropolitan	\$223,795,480.86	0.82%	0.89%	35.46%
24	Greenwood	Metropolitan	\$67,582,831.20	2.59%	2.55%	6.75%
25	Hampton	Micropolitan	\$16,615,919.98	3.85%	2.64%	-9.52%
26	Horry	Metropolitan	\$167,588,548.72	1.50%	1.31%	75.02%
27	Jasper	Micropolitan	\$11,219,012.62	1.24%	1.32%	40.11%
28	Kershaw	Metropolitan	\$57,818,653.03	3.17%	2.14%	24.59%
29	Lancaster	Metropolitan	\$39,087,180.04	1.12%	0.83%	55.47%
30	Laurens	Metropolitan	\$51,905,651.94	1.31%	2.24%	-3.70%
31	Lee	Micropolitan	\$13,108,224.14	3.91%	2.34%	-14.80%
32	Lexington	Metropolitan	\$371,830,757.53	3.40%	2.71%	36.58%
33	Marion	Micropolitan	\$26,839,282.26	5.10%	2.75%	-12.48%
34	Marlboro	Micropolitan	\$19,220,895.60	2.67%	2.31%	-8.40%

Table A33. **South Carolina County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
35	McCormick	Rural	\$6,290,881.20	3.32%	1.74%	-5.50%
36	Newberry	Micropolitan	\$44,436,087.58	3.29%	3.05%	6.68%
37	Oconee	Metropolitan	\$73,741,462.97	2.12%	2.17%	18.36%
38	Orangeburg	Metropolitan	\$95,051,306.96	3.05%	3.23%	-5.08%
39	Pickens	Metropolitan	\$111,175,634.51	3.26%	2.32%	12.80%
40	Richland (Capital)	Metropolitan	\$509,767,690.85	2.19%	2.70%	29.28%
41	Saluda	Micropolitan	\$21,425,014.21	5.59%	3.03%	7.11%
42	Spartanburg	Metropolitan	\$210,170,689.96	1.56%	1.55%	23.68%
43	Sumter	Metropolitan	\$75,021,615.94	1.99%	1.82%	1.78%
44	Union	Micropolitan	\$24,647,069.20	3.66%	2.75%	-8.27%
45	Williamsburg	Micropolitan	\$30,387,921.47	4.17%	3.03%	-17.76%
46	York	Metropolitan	\$124,025,040.06	1.22%	0.97%	66.52%

Figure A97. South Carolina County Type

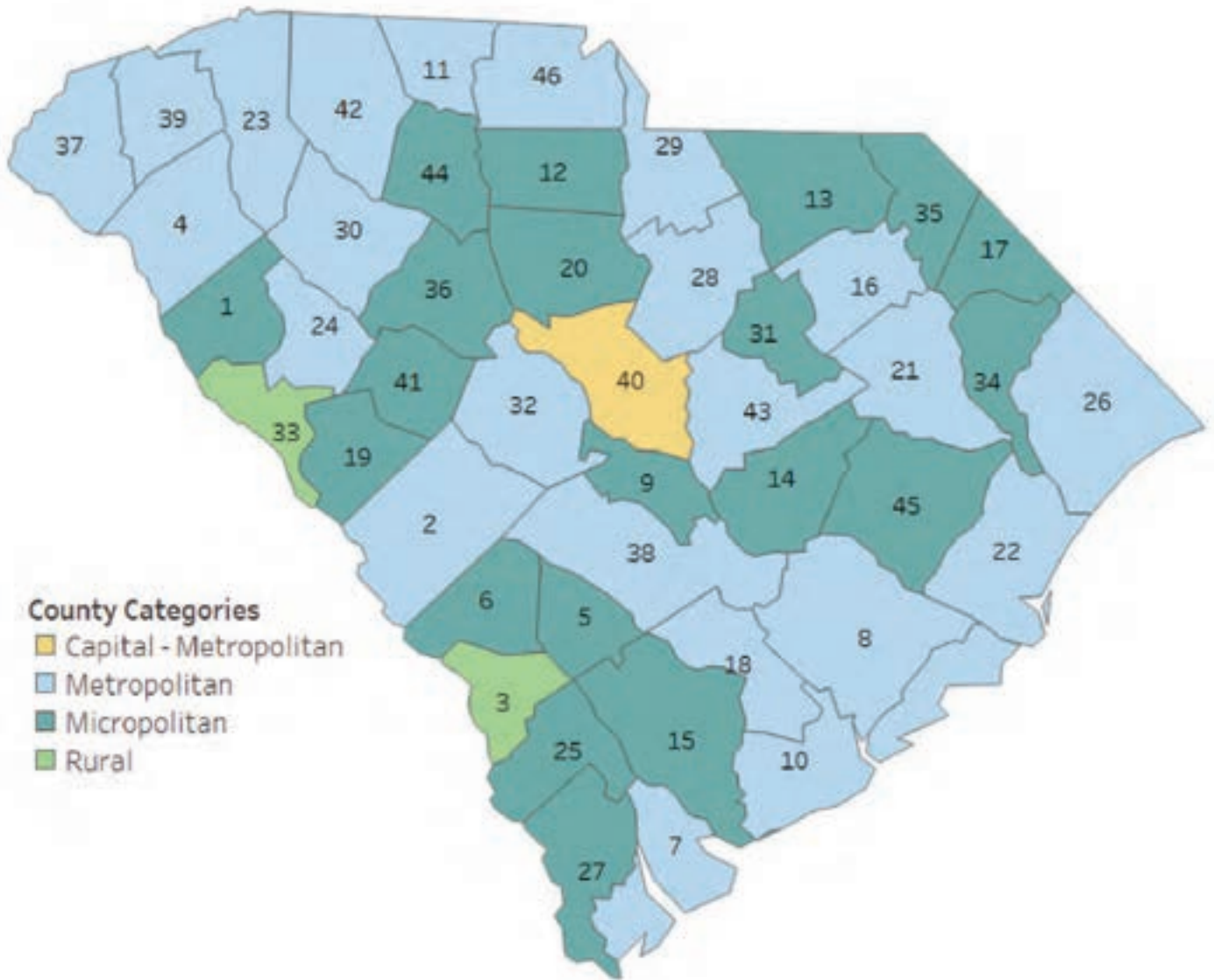
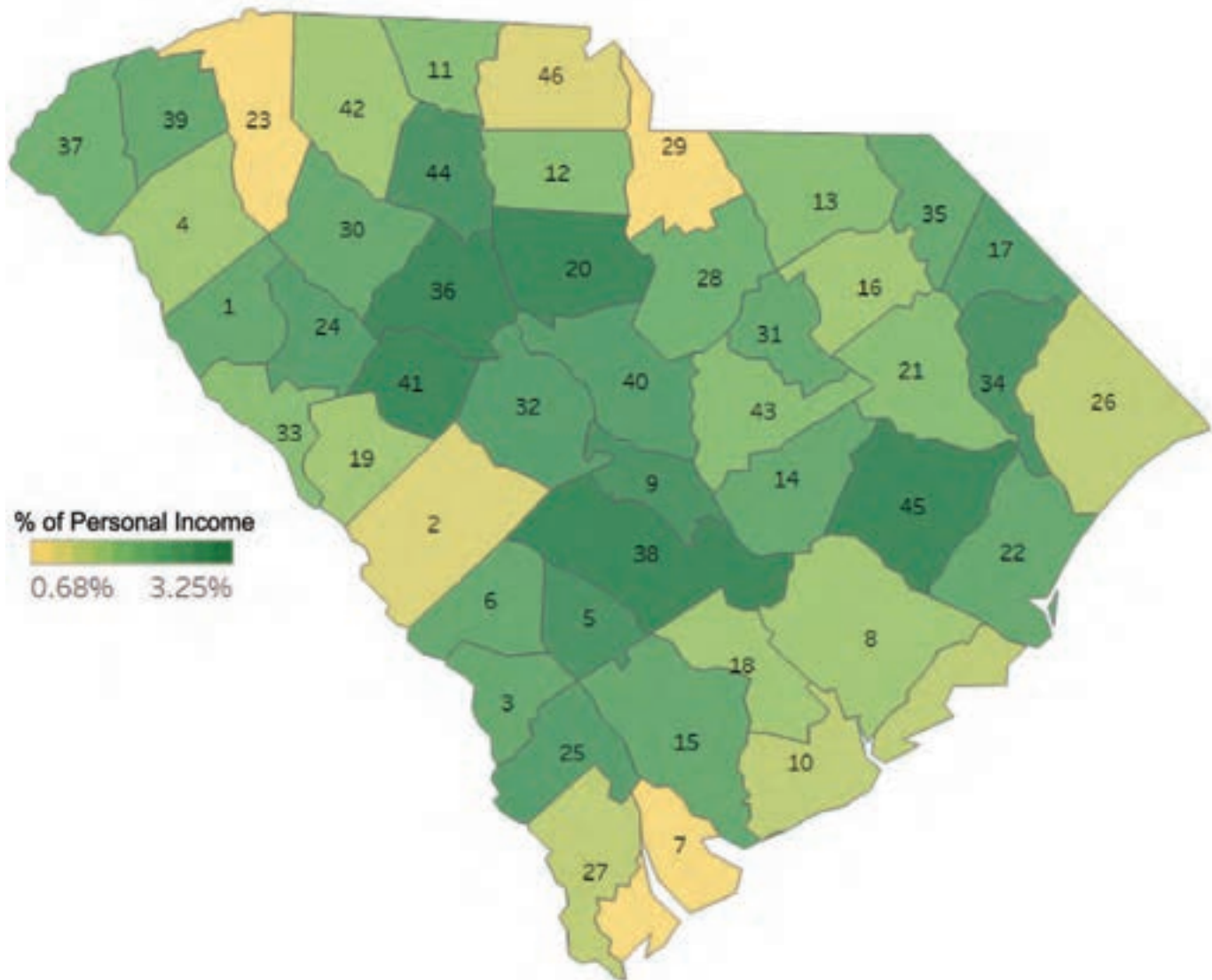


Figure A99. South Carolina Pension Benefit Dollars as Share of County Total Personal Income



Overview

In South Carolina, we received data from the Public Employee Benefits Authority of South Carolina.

SOUTH DAKOTA

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 3.1%
- Metropolitan: 0.7%
- Micropolitan: 1.3%
- Rural: 1.0%

Total average percent of GDP in the state: 1.0%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 3.6%
- Metropolitan: 0.7%
- Micropolitan: 1.2%
- Rural: 1.1%

Total average percent of TPI in the state: 1.0%

Table A34. **South Dakota County Data**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Aurora	Rural	\$1,887,795.00	1.26%	1.49%	-8.40%
2	Beadle	Micropolitan	\$8,827,474.00	0.93%	0.95%	10.93%
3	Bennett	Rural	\$721,700.00	1.06%	0.71%	-2.97%
4	BonHomme	Rural	\$4,683,050.00	1.93%	1.73%	-3.86%
5	Brookings	Micropolitan	\$34,425,008.00	1.76%	2.11%	24.85%
6	Brown	Micropolitan	\$22,872,812.00	1.13%	1.10%	10.87%
7	Brule	Rural	\$2,609,402.00	0.90%	1.07%	-2.52%
8	Buffalo	Rural	\$40,601.00	0.04%	0.09%	0.20%
9	Butte	Micropolitan	\$4,450,910.00	1.54%	1.13%	12.40%
10	Campbell	Rural	\$907,119.00	0.85%	1.31%	-22.73%
11	CharlesMix	Rural	\$3,997,640.00	0.61%	0.95%	-0.13%
12	Clark	Rural	\$1,668,886.00	0.93%	0.92%	-9.75%
13	Clay	Micropolitan	\$15,204,530.00	2.47%	2.74%	3.72%
14	Codington	Micropolitan	\$16,620,848.00	1.23%	1.20%	8.18%
15	Corson	Rural	\$698,127.00	0.56%	0.56%	-0.38%
16	Custer	Rural	\$5,924,024.00	2.88%	1.40%	19.95%
17	Davison	Micropolitan	\$10,728,365.00	1.04%	1.07%	5.60%
18	Day	Rural	\$3,174,115.00	1.20%	1.22%	-12.16%
19	Deuel	Rural	\$1,686,588.00	0.61%	0.75%	-3.58%
20	Dewey	Rural	\$1,255,722.00	0.63%	0.60%	-1.14%
21	Douglas	Rural	\$1,429,217.00	0.57%	0.84%	-15.12%
22	Edmunds	Rural	\$1,829,213.00	0.97%	0.91%	-11.27%
23	FallRiver	Rural	\$3,942,524.00	1.48%	1.24%	-9.33%
24	Faulk	Rural	\$1,420,827.00	1.55%	1.43%	-11.74%
25	Grant	Rural	\$3,271,658.00	0.64%	0.80%	-8.92%
26	Gregory	Rural	\$2,479,603.00	1.14%	1.22%	-12.10%
27	Haakon	Rural	\$800,135.00	0.73%	0.84%	-12.66%
28	Hamlin	Rural	\$2,688,581.00	1.26%	1.00%	10.31%
29	Hand	Rural	\$1,452,375.00	0.78%	0.80%	-12.80%
30	Hanson	Rural	\$877,829.00	0.51%	0.39%	7.55%
31	Harding	Rural	\$317,046.00	0.36%	0.50%	-7.69%
32	Hughes (Capital)	Micropolitan	\$33,662,577.00	3.10%	3.60%	7.09%
33	Hutchinson	Rural	\$4,141,097.00	0.83%	1.06%	-8.61%
34	Hyde	Rural	\$779,957.00	0.89%	1.17%	-23.28%

Table A34. South Dakota County Data (continued)

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
35	Jackson	Rural	\$937,954.00	1.33%	1.06%	12.87%
36	Jerauld	Rural	\$929,802.00	0.43%	0.84%	-10.98%
37	Jones	Rural	\$708,505.00	1.00%	1.27%	-22.21%
38	Kingsbury	Rural	\$2,936,560.00	1.16%	1.17%	-15.41%
39	Lake	Micropolitan	\$7,977,439.00	1.45%	1.17%	15.79%
40	Lawrence	Micropolitan	\$18,101,828.00	1.86%	1.40%	18.07%
41	Lincoln	Metropolitan	\$6,409,272.00	0.29%	0.16%	143.70%
42	Lyman	Rural	\$1,500,660.00	0.54%	0.83%	-1.90%
43	Marshall	Rural	\$898,317.00	0.24%	0.36%	11.71%
44	McCook	Rural	\$2,851,426.00	1.00%	0.98%	-4.90%
45	McPherson	Rural	\$2,564,359.00	3.35%	2.76%	-17.11%
46	Meade	Micropolitan	\$11,311,718.00	1.62%	0.93%	16.66%
47	Mellette	Rural	\$601,118.00	1.81%	1.05%	-1.97%
48	Miner	Rural	\$1,247,875.00	0.92%	1.07%	-23.27%
49	Minnehaha	Metropolitan	\$78,517,167.00	0.55%	0.71%	30.07%
50	Moody	Rural	\$2,741,436.00	0.85%	0.84%	-0.24%
51	OglalaLakota	Micropolitan	\$312,202.00	0.10%	0.09%	14.78%
52	Pennington	Metropolitan	\$66,818,220.00	1.30%	1.16%	26.15%
53	Perkins	Rural	\$1,295,442.00	0.91%	1.05%	-13.11%
54	Potter	Rural	\$1,684,580.00	1.22%	1.08%	-18.05%
55	Roberts	Micropolitan	\$4,142,055.00	1.27%	1.07%	4.30%
56	Sanborn	Rural	\$1,067,305.00	0.63%	0.90%	-9.20%
57	Spink	Rural	\$6,103,980.00	2.17%	1.79%	-12.87%
58	Stanley	Rural	\$4,699,509.00	2.19%	2.11%	9.02%
59	Sully	Rural	\$782,293.00	0.53%	0.74%	-10.54%
60	Todd	Micropolitan	\$1,109,399.00	0.50%	0.43%	13.62%
61	Tripp	Rural	\$3,056,058.00	1.01%	1.12%	-14.81%
62	Turner	Rural	\$3,422,709.00	0.72%	0.66%	-4.80%
63	Union	Micropolitan	\$5,731,640.00	0.45%	0.34%	24.12%
64	Walworth	Rural	\$3,672,331.00	1.69%	1.43%	-6.48%
65	Yankton	Micropolitan	\$15,660,854.00	1.26%	1.36%	5.62%
66	Ziebach	Rural	\$349,410.00	0.56%	0.62%	8.85%

Figure A100. South Dakota County Type

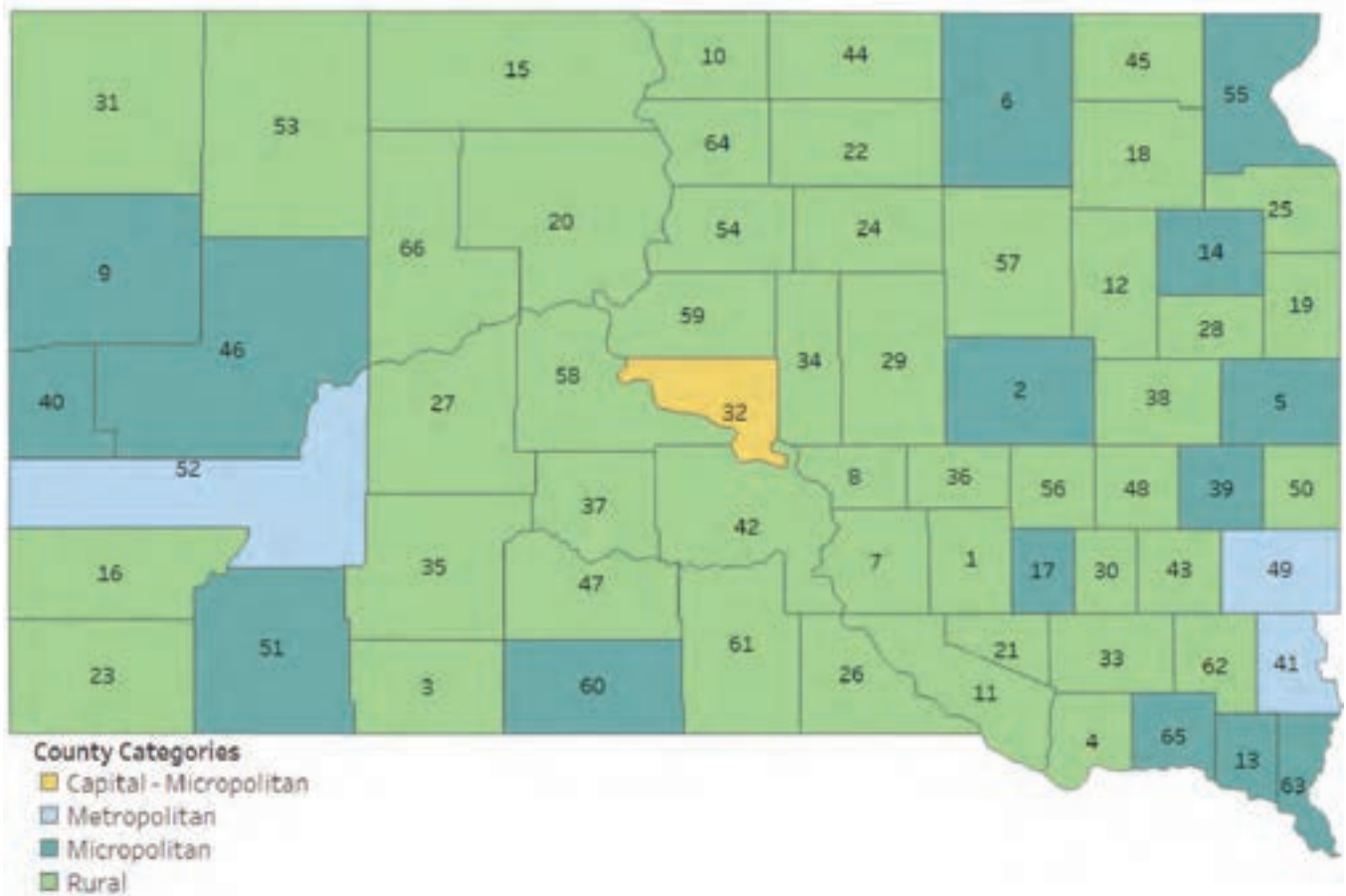


Figure A101. South Dakota Pension Benefit Dollars as Share of County GDP

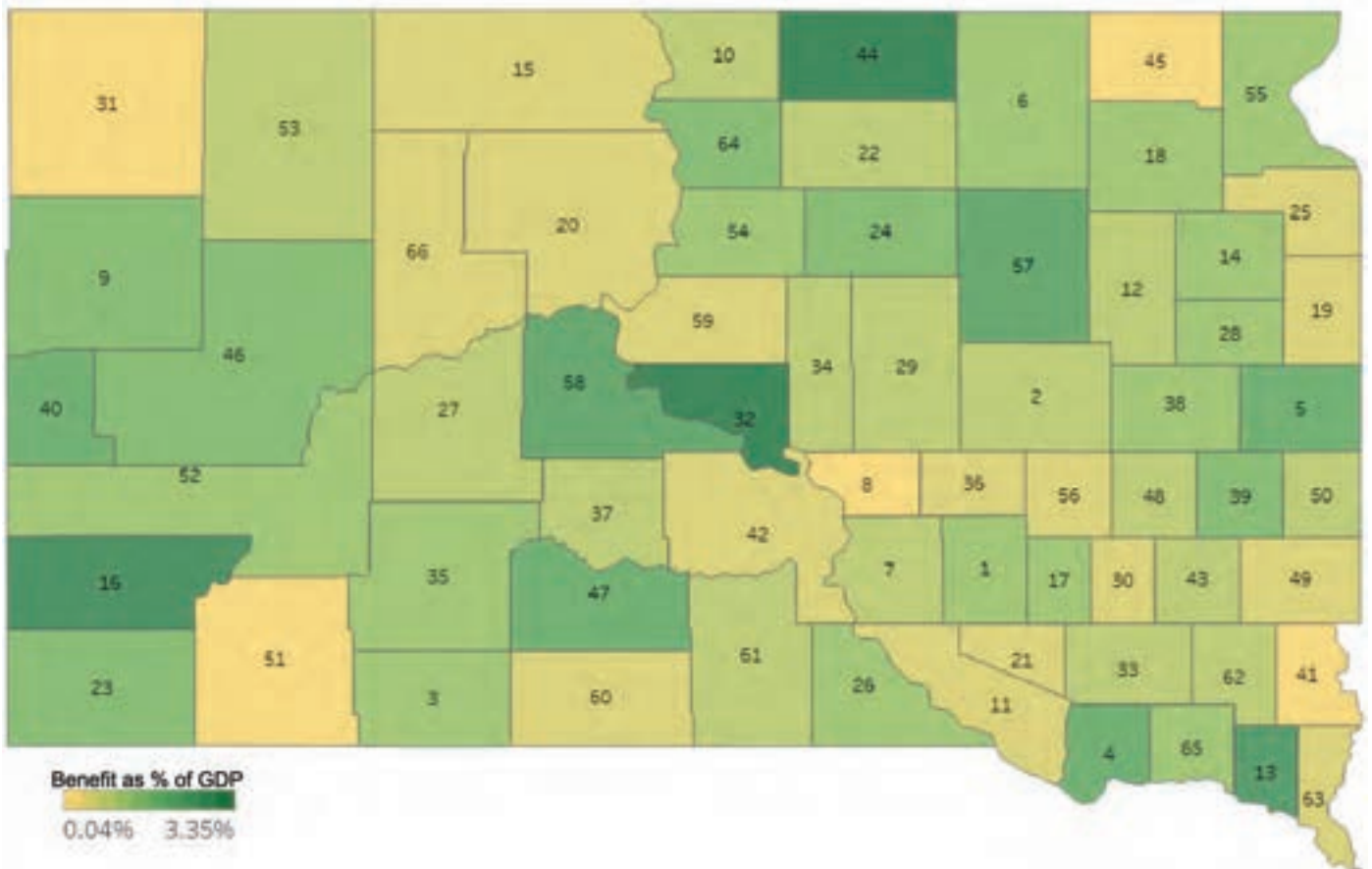
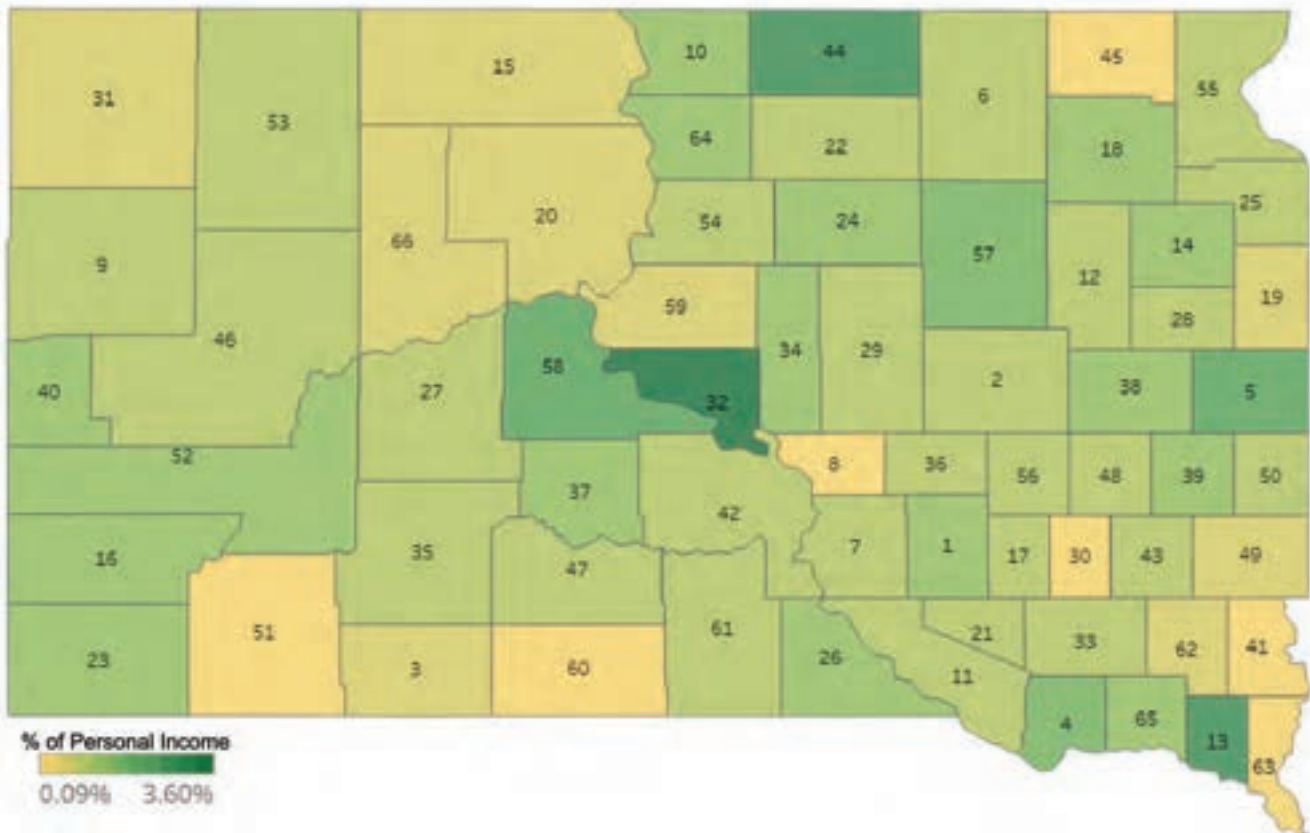


Figure A102. South Dakota Pension Benefit Dollars as Share of County Total Personal Income



Overview

In South Dakota, we received data from the South Dakota Retirement System.

TENNESSEE

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 0.3%
- Metropolitan: 0.7%
- Micropolitan: 1.1%
- Rural: 1.7%

Total average percent of GDP in the state: 0.7%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 0.5%
- Metropolitan: 0.7%
- Micropolitan: 1.0%
- Rural: 1.1%

Total average percent of TPI in the state: 0.7%

Table A35. Tennessee County Data

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Anderson	Metropolitan	\$34,464,714.02	0.81%	1.08%	7.22%
2	Bedford	Micropolitan	\$12,065,290.26	0.75%	0.66%	30.47%
3	Benton	Micropolitan	\$5,924,398.07	1.78%	1.09%	-2.13%
4	Bledsoe	Micropolitan	\$5,832,436.67	2.77%	1.50%	19.31%
5	Blount	Metropolitan	\$56,364,843.73	1.17%	1.00%	24.12%
6	Bradley	Metropolitan	\$31,941,663.59	0.72%	0.77%	21.33%
7	Campbell	Micropolitan	\$14,956,705.17	1.86%	1.11%	-0.68%
8	Cannon	Micropolitan	\$5,452,539.54	2.29%	1.04%	12.76%
9	Carroll	Micropolitan	\$12,708,225.07	1.84%	1.26%	-4.94%
10	Carter	Metropolitan	\$53,219,094.37	5.22%	2.73%	-0.69%
11	Cheatham	Micropolitan	\$13,506,081.42	1.41%	0.76%	12.61%
12	Chester	Micropolitan	\$7,795,514.20	2.40%	1.34%	11.17%
13	Claiborne	Micropolitan	\$11,825,515.30	1.64%	1.05%	6.34%
14	Clay	Rural	\$2,383,246.90	1.33%	1.00%	-3.25%
15	Cocke	Micropolitan	\$11,484,183.66	1.13%	1.01%	6.58%
16	Coffee	Metropolitan	\$20,209,767.53	0.79%	0.94%	16.01%
17	Crockett	Micropolitan	\$6,304,966.43	1.19%	1.20%	-1.40%
18	Cumberland	Metropolitan	\$17,342,933.56	1.14%	0.79%	27.50%
19	Davidson (Capital)	Metropolitan	\$211,700,036.26	0.33%	0.46%	21.53%
20	Decatur	Micropolitan	\$5,380,059.51	1.72%	1.08%	-0.21%
21	DeKalb	Micropolitan	\$6,607,635.35	0.93%	0.82%	15.58%
22	Dickson	Metropolitan	\$19,824,857.65	1.22%	0.91%	23.84%
23	Dyer	Micropolitan	\$12,375,367.35	0.85%	0.82%	0.11%
24	Fayette	Micropolitan	\$16,117,307.24	1.75%	0.72%	40.62%
25	Fentress	Micropolitan	\$6,883,094.88	1.65%	1.17%	9.58%
26	Franklin	Micropolitan	\$12,828,651.75	1.26%	0.79%	6.67%
27	Gibson	Micropolitan	\$21,448,013.54	1.52%	1.13%	1.85%
28	Giles	Micropolitan	\$9,048,768.70	0.92%	0.79%	0.19%
29	Grainger	Micropolitan	\$7,219,453.65	2.01%	0.93%	12.03%
30	Greene	Metropolitan	\$36,441,881.57	1.69%	1.32%	9.82%
31	Grundy	Micropolitan	\$5,321,198.20	2.53%	1.29%	-6.88%
32	Hamblen	Metropolitan	\$23,226,711.76	0.78%	0.98%	11.08%
33	Hamilton	Metropolitan	\$114,045,255.27	0.49%	0.61%	18.31%
34	Hancock	Rural	\$2,373,263.88	2.80%	1.34%	-3.49%

Table A35. Tennessee County Data (continued)

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
35	Hardeman	Micropolitan	\$15,540,931.37	2.76%	2.09%	-10.27%
36	Hardin	Micropolitan	\$10,808,025.21	1.22%	1.06%	0.77%
37	Hawkins	Metropolitan	\$44,830,900.15	2.38%	2.32%	5.54%
38	Haywood	Micropolitan	\$9,728,025.76	1.33%	1.75%	-12.44%
39	Henderson	Micropolitan	\$7,988,282.82	1.08%	0.80%	9.11%
40	Henry	Micropolitan	\$13,858,954.42	1.23%	1.02%	3.99%
41	Hickman	Micropolitan	\$9,756,000.04	2.63%	1.19%	12.42%
42	Houston	Rural	\$2,236,074.31	1.60%	0.82%	2.16%
43	Humphreys	Micropolitan	\$6,950,846.20	1.15%	0.97%	3.11%
44	Jackson	Micropolitan	\$3,354,173.90	1.89%	0.91%	7.05%
45	Jefferson	Metropolitan	\$21,716,349.89	1.62%	1.12%	21.94%
46	Johnson	Micropolitan	\$5,768,257.31	1.54%	1.01%	1.59%
47	Knox	Metropolitan	\$165,229,765.65	0.67%	0.71%	21.79%
48	Lake	Rural	\$3,519,988.81	1.82%	2.04%	-6.83%
49	Lauderdale	Micropolitan	\$12,380,526.16	1.84%	1.64%	-4.71%
50	Lawrence	Micropolitan	\$15,518,607.29	1.47%	1.01%	9.54%
51	Lewis	Micropolitan	\$4,424,001.26	1.77%	1.06%	6.33%
52	Lincoln	Micropolitan	\$11,751,309.63	1.33%	0.83%	8.86%
53	Loudon	Metropolitan	\$18,313,261.98	1.17%	0.71%	35.74%
54	Macon	Micropolitan	\$5,510,293.98	1.08%	0.68%	19.03%
55	Madison	Metropolitan	\$51,663,307.84	0.97%	1.24%	6.28%
56	Marion	Micropolitan	\$8,748,720.82	1.20%	0.80%	2.88%
57	Marshall	Micropolitan	\$10,757,110.90	1.12%	0.85%	25.84%
58	Maury	Metropolitan	\$28,591,016.58	0.87%	0.71%	35.74%
59	McMinn	Metropolitan	\$16,111,225.11	0.84%	0.84%	8.71%
60	McNairy	Micropolitan	\$9,561,467.23	1.60%	1.14%	4.78%
61	Meigs	Micropolitan	\$3,388,242.68	1.54%	0.82%	11.00%
62	Monroe	Micropolitan	\$11,271,043.81	0.96%	0.73%	18.98%
63	Montgomery	Metropolitan	\$51,677,766.38	1.05%	0.61%	52.82%
64	Moore	Rural	\$1,950,186.77	1.04%	0.74%	11.69%
65	Morgan	Micropolitan	\$7,982,611.71	3.01%	1.26%	9.22%
66	Obion	Micropolitan	\$13,485,963.48	1.30%	1.10%	-6.73%
67	Overton	Micropolitan	\$8,024,863.65	1.65%	1.08%	9.69%
68	Perry	Rural	\$3,553,431.58	2.10%	1.29%	5.67%
69	Pickett	Rural	\$1,943,864.49	1.49%	0.96%	2.77%

Table A35. Tennessee County Data (continued)

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
70	Polk	Micropolitan	\$4,588,375.29	1.60%	0.80%	5.28%
71	Putnam	Metropolitan	\$45,674,400.72	1.38%	1.47%	26.52%
72	Rhea	Micropolitan	\$10,578,416.78	0.56%	0.94%	16.35%
73	Roane	Metropolitan	\$22,965,251.78	1.04%	1.05%	2.37%
74	Robertson	Metropolitan	\$25,721,924.20	1.20%	0.86%	30.46%
75	Rutherford	Metropolitan	\$82,740,958.91	0.62%	0.62%	78.49%
76	Scott	Micropolitan	\$6,951,469.98	1.32%	1.06%	4.32%
77	Sequatchie	Micropolitan	\$4,519,284.48	1.83%	0.80%	30.84%
78	Sevier	Metropolitan	\$27,164,352.72	0.76%	0.70%	37.55%
79	Shelby	Metropolitan	\$314,213,652.03	0.55%	0.68%	4.27%
80	Smith	Micropolitan	\$6,675,455.47	0.97%	0.89%	12.59%
81	Stewart	Micropolitan	\$5,873,850.76	0.73%	1.09%	9.63%
82	Sullivan	Metropolitan	\$38,718,238.75	0.54%	0.58%	3.02%
83	Sumner	Metropolitan	\$57,817,424.12	0.98%	0.63%	43.47%
84	Tipton	Metropolitan	\$18,144,739.78	1.76%	0.76%	20.11%
85	Trousdale	Micropolitan	\$2,930,138.19	1.63%	0.88%	51.70%
86	Unicoi	Micropolitan	\$6,007,622.48	1.21%	0.90%	0.53%
87	Union	Micropolitan	\$3,768,634.88	1.26%	0.60%	10.56%
88	Van Buren	Rural	\$2,441,294.84	2.71%	1.38%	4.67%
89	Warren	Micropolitan	\$14,674,572.66	1.17%	1.06%	6.80%
90	Washington	Metropolitan	\$35,680,349.19	0.65%	0.64%	19.97%
91	Wayne	Micropolitan	\$5,453,390.43	1.86%	1.14%	-1.69%
92	Weakley	Micropolitan	\$16,795,665.27	1.51%	1.35%	-4.24%
93	White	Micropolitan	\$10,754,947.18	1.65%	1.22%	17.34%
94	Williamson	Metropolitan	\$64,458,815.55	0.31%	0.29%	82.99%
95	Wilson	Metropolitan	\$43,142,981.53	0.97%	0.62%	58.35%

Figure A103. Tennessee County Type

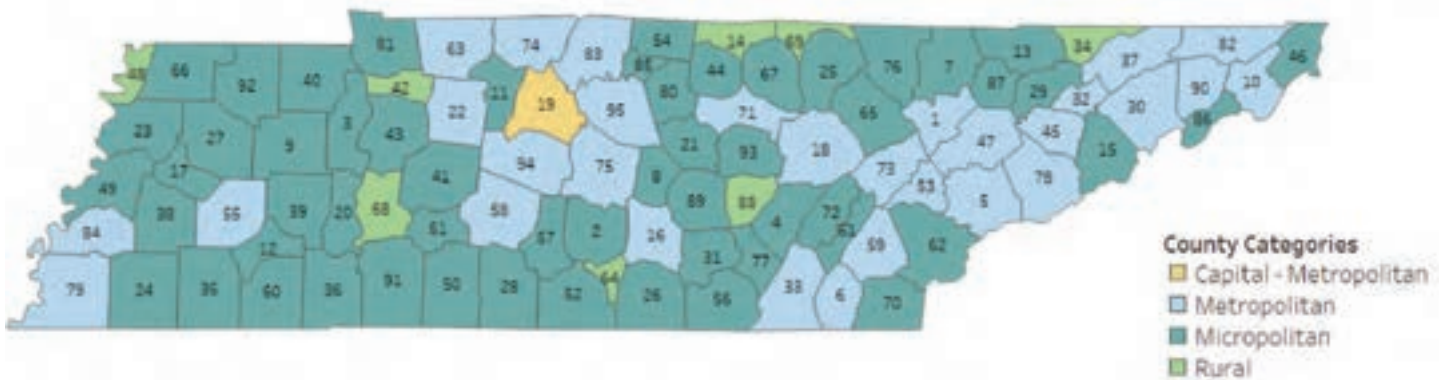


Figure A104. Tennessee Pension Benefit Dollars as Share of County GDP

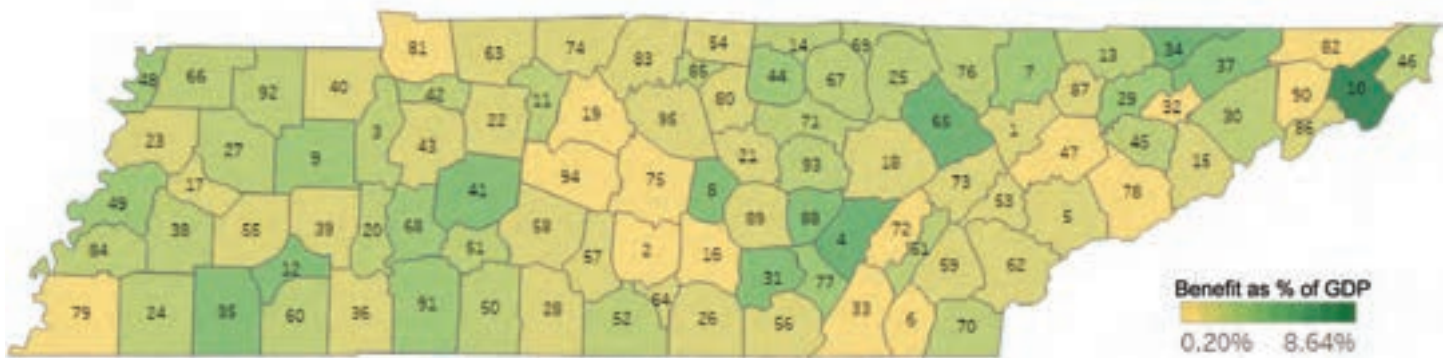
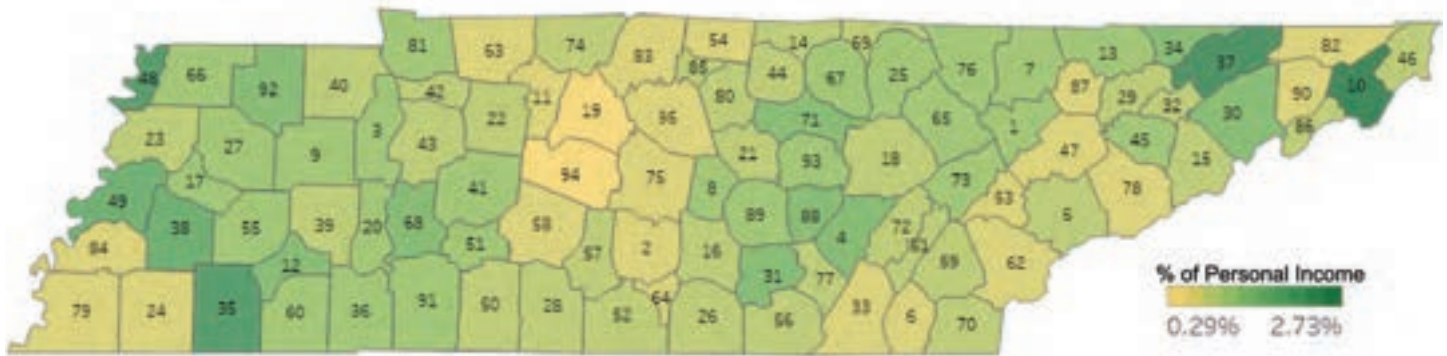


Figure A105. Tennessee Pension Benefit Dollars as Share of County Total Personal Income



Overview

In Tennessee, we received data from the Tennessee Consolidated Retirement System.

TEXAS

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 1.0%
- Metropolitan: 0.8%
- Micropolitan: 1.1%
- Rural: 0.4%

Total average percent of GDP in the state: 0.8%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 1.2%
- Metropolitan: 0.9%
- Micropolitan: 1.9%
- Rural: 2.0%

Total average percent of TPI in the state: 1.0%

Table A36. Texas County Data

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Anderson	Metropolitan	\$53,591,863.11	2.94%	2.70%	5.35%
2	Andrews	Micropolitan	\$11,594,612.82	0.22%	1.28%	39.40%
3	Angelina	Metropolitan	\$58,625,103.42	1.73%	1.73%	8.69%
4	Aransas	Micropolitan	\$21,317,354.61	3.51%	1.85%	5.76%
5	Archer	Rural	\$8,802,344.40	2.38%	1.99%	-0.77%
6	Armstrong	Rural	\$2,134,959.79	3.96%	2.35%	-11.92%
7	Atascosa	Metropolitan	\$28,984,435.36	0.61%	1.57%	30.24%
8	Austin	Micropolitan	\$32,314,300.59	2.54%	2.13%	27.13%
9	Bailey	Rural	\$2,769,874.43	0.58%	0.93%	6.57%
10	Bandera	Micropolitan	\$19,829,271.80	6.25%	2.00%	29.35%
11	Bastrop	Metropolitan	\$91,815,879.10	4.88%	2.89%	50.65%
12	Baylor	Rural	\$3,756,543.74	2.30%	2.51%	-12.48%
13	Bee	Micropolitan	\$24,731,237.21	2.95%	2.67%	0.70%
14	Bell	Metropolitan	\$150,104,967.25	1.01%	0.99%	49.45%
15	Bexar	Metropolitan	\$806,506,795.79	0.83%	0.88%	42.58%
16	Blanco	Micropolitan	\$12,856,452.79	4.29%	2.11%	39.01%
17	Borden	Rural	\$821,475.51	0.13%	1.99%	-11.11%
18	Bosque	Micropolitan	\$16,743,816.13	2.77%	2.15%	8.64%
19	Bowie	Metropolitan	\$51,867,937.63	1.40%	1.37%	5.62%
20	Brazoria	Metropolitan	\$217,523,126.60	1.40%	1.24%	53.12%
21	Brazos	Metropolitan	\$148,263,314.30	1.56%	1.67%	48.78%
22	Brewster	Rural	\$10,949,324.32	2.93%	2.59%	4.52%
23	Briscoe	Rural	\$1,708,845.87	1.79%	3.20%	-15.31%
24	Brooks	Rural	\$7,087,357.08	1.96%	2.94%	-10.81%
25	Brown	Micropolitan	\$34,635,383.79	2.70%	2.35%	0.66%
26	Burleson	Micropolitan	\$21,698,946.94	1.45%	2.77%	11.65%
27	Burnet	Micropolitan	\$54,653,417.35	4.09%	2.47%	39.23%
28	Caldwell	Micropolitan	\$34,881,448.27	3.90%	2.40%	34.33%
29	Calhoun	Micropolitan	\$14,004,051.75	0.75%	1.68%	4.43%
30	Callahan	Micropolitan	\$12,909,435.86	4.63%	2.34%	8.44%
31	Cameron	Metropolitan	\$192,402,415.53	1.92%	1.58%	26.45%
32	Camp	Micropolitan	\$8,378,406.57	1.94%	1.66%	12.85%
33	Carson	Rural	\$5,413,086.73	0.60%	1.94%	-7.84%
34	Cass	Micropolitan	\$25,639,610.68	3.34%	2.31%	-1.05%
35	Castro	Rural	\$3,365,967.51	0.77%	1.03%	-7.48%
36	Chambers	Micropolitan	\$28,577,744.41	1.33%	1.25%	63.09%

Table A36. **Texas County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
37	Cherokee	Metropolitan	\$48,186,240.23	3.15%	2.66%	12.72%
38	Childress	Rural	\$9,036,607.14	4.35%	4.12%	-5.16%
39	Clay	Micropolitan	\$10,001,522.18	3.98%	2.26%	-5.00%
40	Cochran	Rural	\$3,022,232.48	0.75%	2.78%	-23.97%
41	Coke	Rural	\$3,947,477.79	2.60%	2.80%	-12.78%
42	Coleman	Rural	\$8,432,780.59	3.83%	2.47%	-9.07%
43	Collin	Metropolitan	\$291,820,319.31	0.49%	0.44%	104.43%
44	Collingsworth	Rural	\$2,915,568.78	2.86%	2.98%	-7.61%
45	Colorado	Micropolitan	\$20,443,518.91	2.46%	2.06%	4.06%
46	Comal	Metropolitan	\$126,316,688.35	2.32%	1.47%	90.17%
47	Comanche	Micropolitan	\$11,898,750.38	2.67%	2.07%	-3.51%
48	Concho	Rural	\$3,302,667.26	2.99%	3.90%	7.82%
49	Cooke	Micropolitan	\$27,568,822.91	1.06%	1.25%	11.58%
50	Coryell	Metropolitan	\$48,703,509.07	3.21%	1.92%	-0.23%
51	Cottle	Rural	\$2,039,222.07	2.13%	2.56%	-27.05%
52	Crane	Rural	\$3,083,922.25	0.27%	1.35%	19.97%
53	Crockett	Rural	\$3,919,691.05	0.26%	2.70%	-14.64%
54	Crosby	Rural	\$4,286,700.79	1.24%	2.41%	-18.28%
55	Culberson	Rural	\$1,543,274.41	0.10%	1.29%	-25.92%
56	Dallam	Rural	\$2,314,631.55	0.44%	0.62%	15.72%
57	Dallas	Metropolitan	\$817,039,481.89	0.34%	0.53%	18.88%
58	Dawson	Micropolitan	\$8,306,987.63	1.02%	1.77%	-15.79%
59	DeafSmith	Micropolitan	\$7,549,966.69	0.55%	0.99%	1.07%
60	Delta	Rural	\$6,043,963.81	6.36%	3.25%	0.41%
61	Denton	Metropolitan	\$280,456,956.11	0.99%	0.58%	98.41%
62	DeWitt	Micropolitan	\$16,822,541.22	0.24%	1.53%	0.87%
63	Dickens	Rural	\$2,191,792.78	1.55%	3.09%	-18.57%
64	Dimmit	Micropolitan	\$6,427,063.13	0.11%	1.70%	0.59%
65	Donley	Rural	\$3,558,246.71	2.19%	2.34%	-13.30%
66	Duval	Micropolitan	\$9,804,730.81	2.25%	2.40%	-14.54%
67	Eastland	Micropolitan	\$14,493,516.64	1.32%	1.11%	0.14%
68	Ector	Metropolitan	\$67,574,769.57	0.53%	0.88%	33.85%
69	Edwards	Rural	\$2,448,755.99	2.36%	3.61%	-10.82%
70	Ellis	Metropolitan	\$107,582,059.72	2.04%	1.35%	61.13%
71	ElPaso	Metropolitan	\$417,758,760.61	1.44%	1.39%	23.71%
72	Erath	Micropolitan	\$29,074,162.97	1.77%	1.73%	28.62%

Table A36. Texas County Data (continued)

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
73	Falls	Micropolitan	\$11,592,674.62	2.91%	1.93%	-6.68%
74	Fannin	Micropolitan	\$24,687,567.43	3.43%	1.86%	12.94%
75	Fayette	Micropolitan	\$28,699,069.87	1.71%	2.11%	16.26%
76	Fisher	Rural	\$4,197,077.07	1.56%	2.35%	-11.63%
77	Floyd	Rural	\$4,755,811.46	1.43%	2.18%	-24.89%
78	Foard	Rural	\$1,144,143.41	2.35%	2.22%	-26.02%
79	FortBend	Metropolitan	\$374,645,696.32	1.53%	0.83%	122.27%
80	Franklin	Micropolitan	\$8,468,419.49	1.89%	1.98%	13.83%
81	Freestone	Micropolitan	\$17,768,222.35	1.28%	2.42%	10.86%
82	Frio	Micropolitan	\$9,500,343.48	0.48%	1.74%	21.93%
83	Gaines	Micropolitan	\$6,430,831.82	0.19%	0.85%	44.47%
84	Galveston	Metropolitan	\$281,235,984.36	1.98%	1.61%	35.07%
85	Garza	Rural	\$3,257,199.23	0.84%	1.65%	35.02%
86	Gillespie	Micropolitan	\$31,719,009.88	3.71%	1.95%	28.78%
87	Glasscock	Rural	\$873,030.04	0.02%	0.62%	-1.28%
88	Goliad	Rural	\$8,011,639.13	2.30%	2.41%	9.47%
89	Gonzales	Micropolitan	\$15,546,662.37	0.31%	1.72%	11.80%
90	Gray	Micropolitan	\$11,720,033.73	1.09%	1.22%	-3.73%
91	Grayson	Metropolitan	\$77,559,294.87	1.65%	1.37%	21.15%
92	Gregg	Metropolitan	\$68,615,861.99	0.87%	1.22%	11.07%
93	Grimes	Micropolitan	\$26,160,604.89	2.41%	2.60%	20.41%
94	Guadalupe	Metropolitan	\$81,722,113.19	0.88%	1.11%	83.88%
95	Hale	Micropolitan	\$19,431,012.73	1.43%	1.78%	-7.57%
96	Hall	Rural	\$2,079,379.48	2.67%	2.28%	-19.94%
97	Hamilton	Rural	\$9,886,997.02	4.53%	1.92%	3.10%
98	Hansford	Rural	\$3,395,738.00	0.36%	0.99%	1.75%
99	Hardeman	Rural	\$4,477,288.71	2.32%	2.99%	-16.98%
100	Hardin	Metropolitan	\$35,985,550.55	2.73%	1.37%	19.00%
101	Harris	Metropolitan	\$1,728,833,366.29	0.48%	0.65%	38.17%
102	Harrison	Metropolitan	\$35,034,305.18	0.78%	1.25%	7.43%
103	Hartley	Rural	\$2,171,800.22	0.24%	0.62%	1.48%
104	Haskell	Rural	\$6,309,526.32	2.11%	3.14%	-4.60%
105	Hays	Metropolitan	\$178,906,701.70	2.84%	1.84%	128.13%
106	Hemphill	Rural	\$2,824,465.21	0.27%	1.26%	14.15%
107	Henderson	Metropolitan	\$64,971,662.04	3.87%	1.99%	12.31%
108	Hidalgo	Metropolitan	\$326,358,027.05	1.55%	1.43%	52.06%

Table A36. Texas County Data (continued)

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
109	Hill	Micropolitan	\$25,907,835.21	2.81%	1.82%	12.48%
110	Hockley	Micropolitan	\$16,525,036.50	0.72%	1.85%	1.16%
111	Hood	Metropolitan	\$50,569,063.75	2.32%	1.65%	47.29%
112	Hopkins	Micropolitan	\$26,642,575.94	1.99%	1.85%	15.18%
113	Houston	Micropolitan	\$26,909,980.42	3.05%	3.05%	-0.07%
114	Howard	Micropolitan	\$18,879,035.76	0.28%	1.29%	8.42%
115	Hudspeth	Rural	\$1,935,988.69	1.29%	1.24%	43.39%
116	Hunt	Metropolitan	\$51,462,188.51	1.45%	1.40%	25.98%
117	Hutchinson	Micropolitan	\$10,998,766.33	0.14%	1.25%	-11.15%
118	Irion	Rural	\$1,577,455.72	0.09%	1.52%	-14.06%
119	Jack	Rural	\$6,010,566.42	0.89%	1.54%	0.91%
120	Jackson	Micropolitan	\$12,817,343.86	1.82%	2.06%	3.36%
121	Jasper	Micropolitan	\$27,950,547.98	2.84%	1.91%	0.75%
122	JeffDavis	Rural	\$4,350,006.50	5.98%	4.50%	2.04%
123	Jefferson	Metropolitan	\$149,270,317.16	0.63%	1.33%	1.17%
124	JimHogg	Rural	\$4,831,707.89	2.16%	3.00%	-0.62%
125	JimWells	Micropolitan	\$24,449,780.90	1.35%	1.48%	3.80%
126	Johnson	Metropolitan	\$74,881,733.65	1.21%	1.05%	35.13%
127	Jones	Micropolitan	\$11,993,642.30	2.42%	1.98%	-4.66%
128	Karnes	Micropolitan	\$12,402,142.83	0.09%	1.60%	1.32%
129	Kaufman	Metropolitan	\$79,082,907.78	1.73%	1.44%	80.36%
130	Kendall	Micropolitan	\$39,138,441.70	2.15%	1.02%	92.23%
131	Kenedy	Rural	\$274,104.89	0.09%	1.42%	6.76%
132	Kent	Rural	\$2,050,588.52	0.48%	5.15%	-15.48%
133	Kerr	Metropolitan	\$55,305,232.25	3.29%	2.10%	20.05%
134	Kimble	Rural	\$5,425,428.34	4.06%	2.87%	-2.37%
135	King	Rural	\$363,763.81	0.17%	2.36%	-22.19%
136	Kinney	Rural	\$3,419,531.32	3.01%	2.98%	11.48%
137	Kleberg	Micropolitan	\$24,184,105.24	2.08%	1.99%	-1.33%
138	Knox	Rural	\$4,003,493.41	2.18%	2.85%	-14.11%
139	Lamar	Micropolitan	\$36,516,061.33	1.70%	1.80%	2.53%
140	Lamb	Micropolitan	\$7,325,653.43	0.97%	1.46%	-10.54%
141	Lampasas	Micropolitan	\$22,507,601.58	5.25%	2.14%	19.52%
142	LaSalle	Rural	\$4,724,237.83	0.06%	1.75%	28.38%
143	Lavaca	Micropolitan	\$24,041,811.85	1.64%	2.35%	4.69%
144	Lee	Micropolitan	\$19,035,350.46	2.07%	2.38%	9.50%

Table A36. Texas County Data (continued)

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
145	Leon	Micropolitan	\$20,965,896.20	2.07%	3.01%	12.62%
146	Liberty	Metropolitan	\$40,473,126.93	2.13%	1.26%	23.05%
147	Limestone	Micropolitan	\$26,701,562.88	1.79%	3.17%	6.66%
148	Lipscomb	Rural	\$2,607,004.15	0.35%	1.20%	9.75%
149	LiveOak	Micropolitan	\$9,130,127.17	0.46%	2.11%	-1.16%
150	Llano	Micropolitan	\$31,063,077.47	4.87%	3.02%	27.00%
151	Loving	Rural	\$157,801.08	0.00%	1.83%	126.87%
152	Lubbock	Metropolitan	\$203,663,483.15	1.63%	1.56%	26.70%
153	Lynn	Rural	\$4,184,762.53	1.73%	2.15%	-10.27%
154	Madison	Micropolitan	\$13,907,905.00	1.96%	3.17%	11.45%
155	Marion	Rural	\$5,989,519.10	2.18%	1.58%	-9.26%
156	Martin	Rural	\$2,849,080.89	0.03%	0.88%	21.22%
157	Mason	Rural	\$6,639,539.94	5.41%	3.48%	14.50%
158	Matagorda	Micropolitan	\$27,278,954.61	1.33%	1.84%	-3.70%
159	Maverick	Metropolitan	\$21,894,601.33	1.47%	1.23%	23.65%
160	McCulloch	Rural	\$8,087,249.59	2.18%	2.67%	-2.66%
161	McLennan	Metropolitan	\$145,447,871.34	1.18%	1.38%	19.24%
162	McMullen	Rural	\$1,545,309.00	0.04%	2.86%	-11.99%
163	Medina	Metropolitan	\$36,821,713.56	4.22%	1.84%	29.56%
164	Menard	Rural	\$2,350,087.30	3.57%	3.11%	-9.36%
165	Midland	Metropolitan	\$62,357,404.78	0.23%	0.29%	48.76%
166	Milam	Micropolitan	\$19,160,977.85	3.03%	2.11%	3.68%
167	Mills	Rural	\$7,363,056.81	4.01%	4.03%	-4.47%
168	Mitchell	Rural	\$6,321,757.32	1.25%	2.43%	-16.01%
169	Montague	Micropolitan	\$15,866,046.99	1.59%	1.92%	2.51%
170	Montgomery	Metropolitan	\$341,436,317.47	1.53%	0.91%	101.15%
171	Moore	Micropolitan	\$7,871,472.83	0.47%	0.89%	6.78%
172	Morris	Micropolitan	\$10,011,604.55	1.46%	1.87%	-5.43%
173	Motley	Rural	\$1,538,880.07	3.71%	4.31%	-13.46%
174	Nacogdoches	Metropolitan	\$50,076,587.24	1.93%	2.02%	10.99%
175	Navarro	Micropolitan	\$33,351,178.98	2.23%	1.77%	9.84%
176	Newton	Micropolitan	\$7,594,952.23	1.49%	1.66%	-8.80%
177	Nolan	Micropolitan	\$11,505,224.21	1.21%	1.81%	-6.65%
178	Nueces	Metropolitan	\$190,092,856.30	0.99%	1.18%	15.50%
179	Ochiltree	Rural	\$3,822,751.16	0.25%	0.67%	10.45%
180	Oldham	Rural	\$2,094,578.87	0.58%	2.00%	-2.47%

Table A36. Texas County Data (continued)

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
181	Orange	Metropolitan	\$46,330,215.05	1.45%	1.23%	-1.64%
182	PaloPinto	Micropolitan	\$18,957,642.62	1.89%	1.68%	6.84%
183	Panola	Micropolitan	\$15,845,098.79	0.58%	1.57%	1.72%
184	Parker	Metropolitan	\$69,869,913.08	1.81%	0.95%	56.36%
185	Parmer	Rural	\$3,458,731.79	0.24%	0.78%	-1.52%
186	Pecos	Micropolitan	\$11,103,970.86	0.34%	1.94%	-6.76%
187	Polk	Metropolitan	\$46,357,325.55	3.82%	2.35%	21.63%
188	Potter	Metropolitan	\$45,067,406.14	0.58%	0.86%	5.37%
189	Presidio	Rural	\$4,063,055.77	1.75%	1.36%	-4.87%
190	Rains	Micropolitan	\$9,230,890.21	5.04%	2.26%	33.05%
191	Randall	Metropolitan	\$104,307,818.64	2.95%	1.60%	30.64%
192	Reagan	Rural	\$1,519,087.43	0.03%	0.84%	12.48%
193	Real	Rural	\$5,475,275.94	7.27%	4.54%	14.15%
194	RedRiver	Micropolitan	\$9,810,105.89	4.03%	1.98%	-14.94%
195	Reeves	Micropolitan	\$9,713,982.94	0.08%	1.57%	19.47%
196	Refugio	Rural	\$6,157,164.23	1.19%	2.06%	-10.17%
197	Roberts	Rural	\$1,014,964.81	0.10%	2.68%	1.80%
198	Robertson	Micropolitan	\$17,989,758.80	0.86%	2.58%	8.03%
199	Rockwall	Metropolitan	\$66,212,379.89	2.21%	1.08%	133.65%
200	Runnels	Micropolitan	\$9,370,720.33	3.08%	2.30%	-10.97%
201	Rusk	Metropolitan	\$31,598,734.84	1.12%	1.59%	14.94%
202	Sabine	Micropolitan	\$7,510,559.90	2.81%	2.05%	1.15%
203	SanAugustine	Rural	\$7,718,969.81	0.76%	2.35%	-7.98%
204	SanJacinto	Micropolitan	\$30,660,527.69	8.98%	3.09%	29.10%
205	SanPatricio	Metropolitan	\$40,187,378.54	1.76%	1.37%	-0.36%
206	SanSaba	Rural	\$7,221,487.71	4.09%	2.89%	-2.13%
207	Schleicher	Rural	\$2,565,934.81	1.54%	2.21%	-1.36%
208	Scurry	Micropolitan	\$14,464,475.32	0.58%	2.04%	3.09%
209	Shackelford	Rural	\$2,804,978.38	0.97%	0.66%	-1.48%
210	Shelby	Micropolitan	\$15,800,168.36	1.03%	1.49%	0.77%
211	Sherman	Rural	\$1,849,727.52	0.59%	1.21%	-3.36%
212	Smith	Metropolitan	\$147,135,940.92	1.45%	1.16%	31.78%
213	Somervell	Rural	\$9,218,406.65	0.78%	2.23%	32.41%
214	Starr	Metropolitan	\$24,857,491.29	1.76%	1.46%	20.39%
215	Stephens	Rural	\$7,778,008.80	1.43%	2.10%	-2.49%
216	Sterling	Rural	\$1,267,618.70	0.40%	1.66%	-5.89%

Table A36. Texas County Data (continued)

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
217	Stonewall	Rural	\$1,711,466.12	0.57%	2.35%	-19.55%
218	Sutton	Rural	\$3,316,089.58	0.68%	1.44%	-7.82%
219	Swisher	Rural	\$5,836,880.45	1.13%	1.86%	-10.93%
220	Tarrant	Metropolitan	\$703,047,215.66	0.65%	0.66%	44.16%
221	Taylor	Metropolitan	\$105,988,551.49	1.74%	1.70%	8.76%
222	Terrell	Rural	\$969,039.35	0.60%	2.45%	-23.87%
223	Terry	Micropolitan	\$7,959,506.09	1.00%	2.02%	-3.71%
224	Throckmorton	Rural	\$2,097,287.64	1.34%	3.85%	-18.11%
225	Titus	Micropolitan	\$17,652,801.60	1.08%	1.54%	17.48%
226	TomGreen	Metropolitan	\$80,539,880.29	1.52%	1.48%	13.63%
227	Travis (Capital)	Metropolitan	\$999,915,290.98	0.98%	1.19%	53.73%
228	Trinity	Micropolitan	\$20,688,857.50	8.86%	4.07%	6.97%
229	Tyler	Micropolitan	\$16,437,738.00	3.78%	2.36%	3.95%
230	Upshur	Micropolitan	\$23,187,953.26	2.74%	1.53%	16.91%
231	Upton	Rural	\$2,446,570.40	0.03%	1.50%	7.84%
232	Uvalde	Micropolitan	\$21,999,907.66	2.72%	2.08%	3.55%
233	ValVerde	Micropolitan	\$26,485,716.36	1.62%	1.47%	9.70%
234	VanZandt	Metropolitan	\$46,483,385.69	4.37%	2.17%	16.37%
235	Victoria	Metropolitan	\$55,575,869.30	1.18%	1.31%	9.45%
236	Walker	Metropolitan	\$107,107,528.98	5.32%	5.27%	17.36%
237	Waller	Metropolitan	\$38,155,091.25	2.16%	1.80%	62.65%
238	Ward	Micropolitan	\$7,720,502.37	0.17%	1.32%	7.43%
239	Washington	Micropolitan	\$40,742,755.90	1.94%	2.22%	15.59%
240	Webb	Metropolitan	\$101,377,081.40	0.82%	1.16%	42.87%
241	Wharton	Micropolitan	\$34,170,386.83	1.87%	1.98%	1.05%
242	Wheeler	Rural	\$3,849,903.30	0.35%	1.77%	-1.76%
243	Wichita	Metropolitan	\$77,214,739.31	1.42%	1.35%	0.30%
244	Wilbarger	Micropolitan	\$16,748,106.98	2.22%	3.11%	-12.65%
245	Willacy	Micropolitan	\$13,220,814.43	1.52%	2.15%	7.14%
246	Williamson	Metropolitan	\$366,056,740.81	1.60%	1.27%	126.72%
247	Wilson	Metropolitan	\$31,817,582.37	3.04%	1.43%	54.97%
248	Winkler	Rural	\$4,664,689.03	0.26%	1.05%	7.63%
249	Wise	Metropolitan	\$33,363,303.21	0.89%	1.12%	39.99%
250	Wood	Micropolitan	\$38,768,519.53	2.36%	2.25%	22.79%
251	Yoakum	Rural	\$6,707,229.13	0.20%	1.90%	17.33%

Table A36. **Texas County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
252	Young	Micropolitan	\$12,239,210.20	1.41%	1.35%	0.57%
253	Zapata	Micropolitan	\$8,256,392.90	1.01%	2.06%	16.48%
254	Zavala	Micropolitan	\$6,903,012.76	0.73%	1.97%	3.30%

Figure A106. Texas County Type

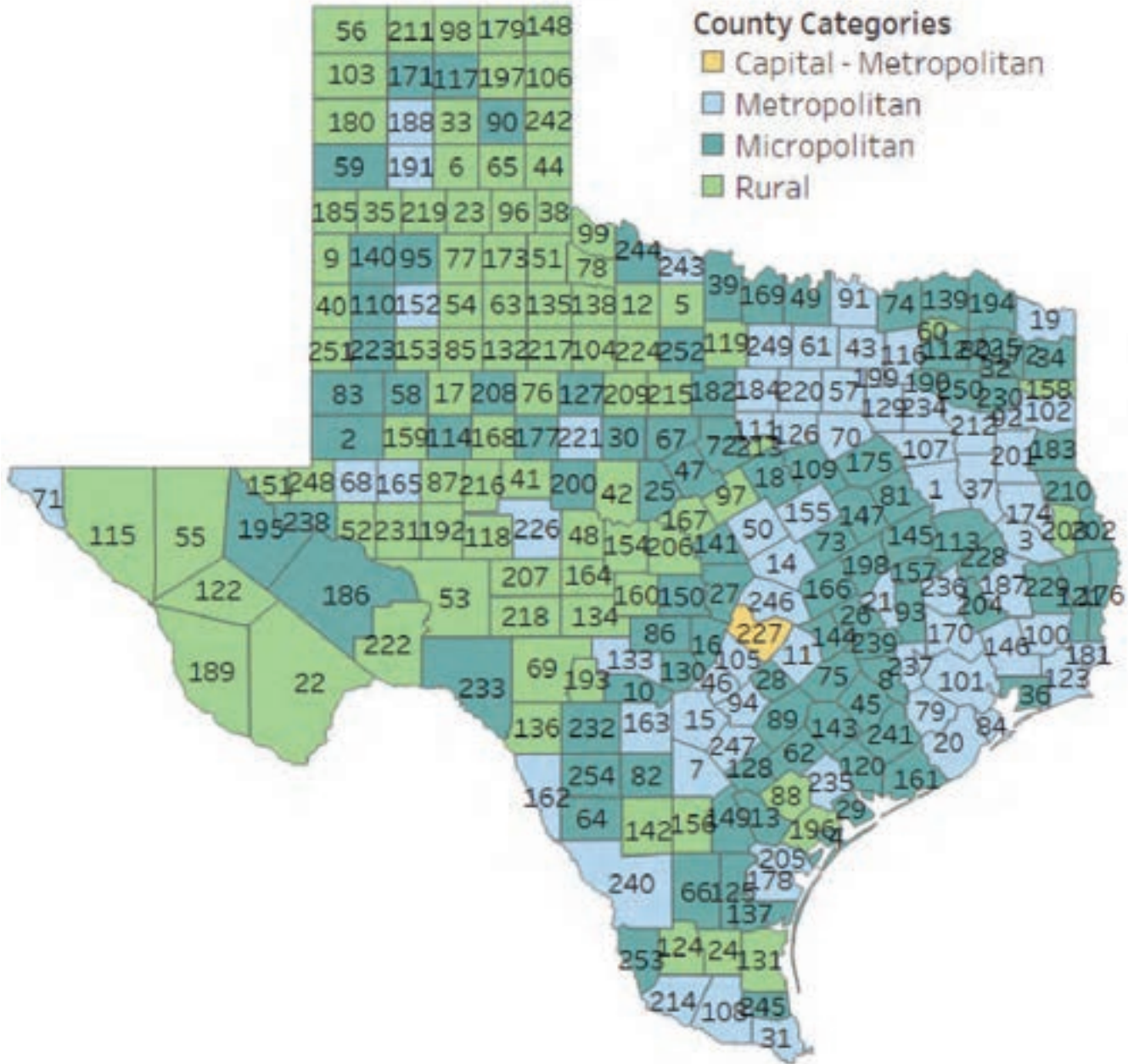


Figure A107. Texas Pension Benefit Dollars as Share of County GDP

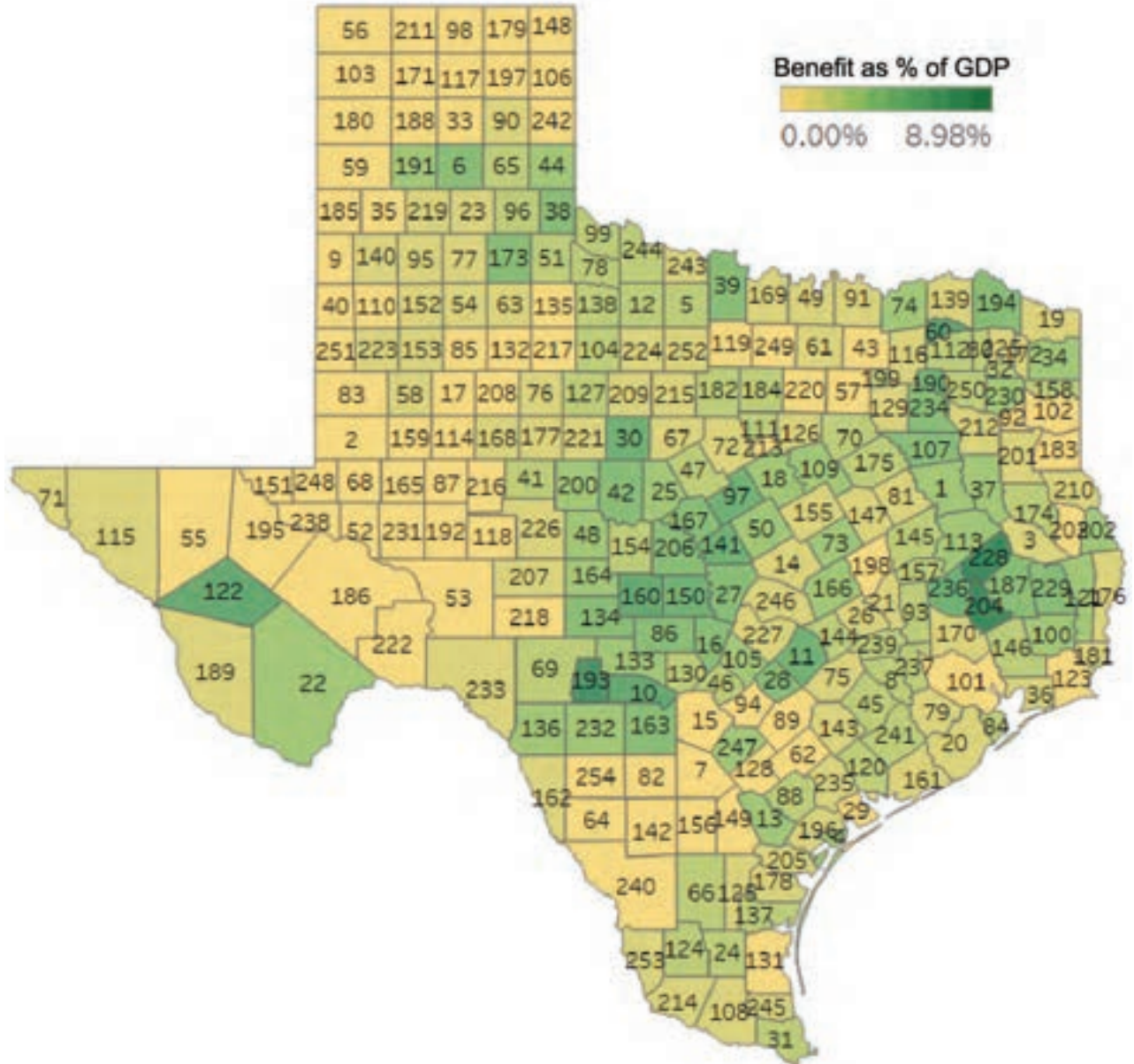
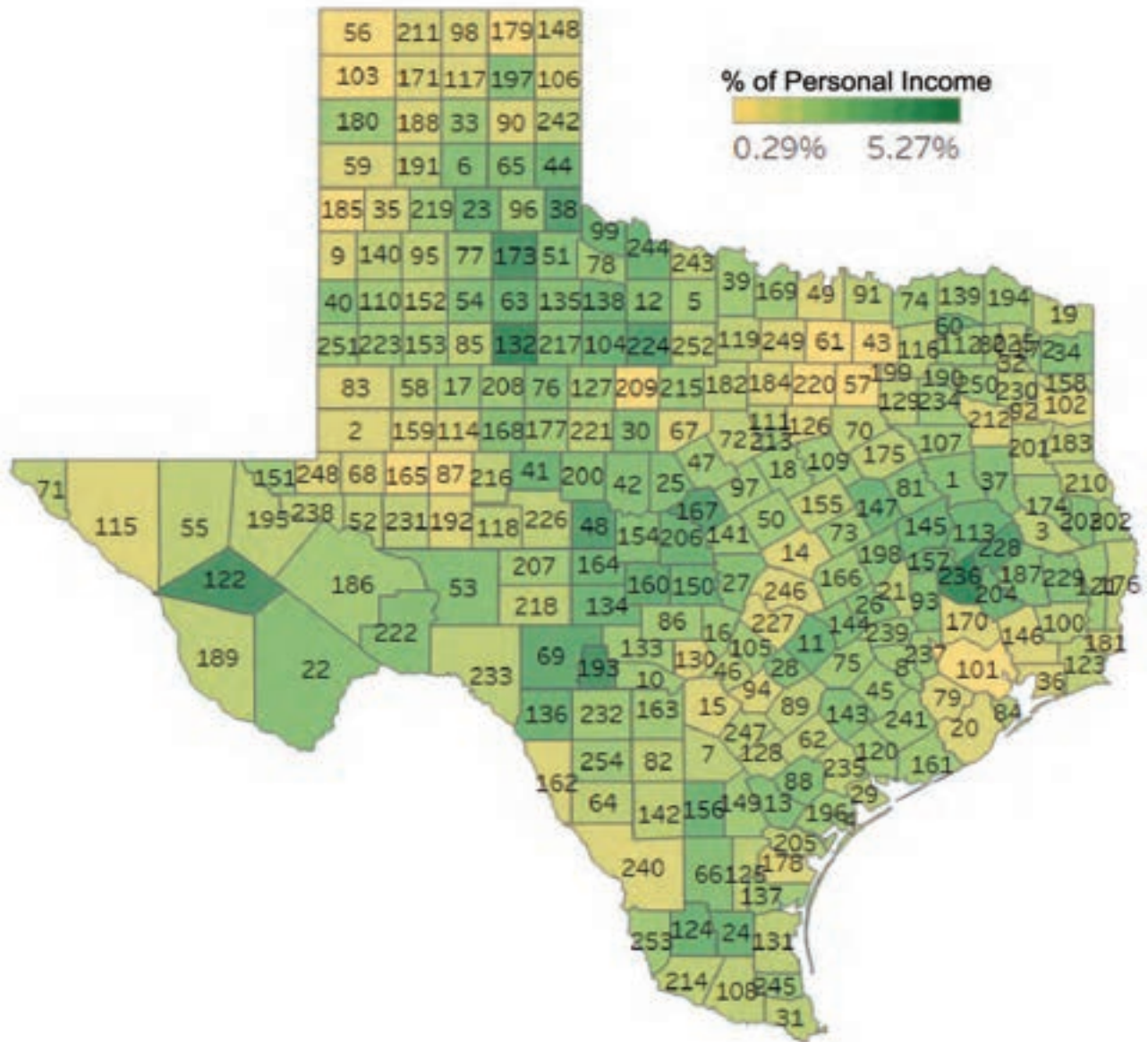


Figure A108. Texas Pension Benefit Dollars as Share of County Total Personal Income



Overview

In Texas, we received data from the following plans: Employees Retirement System of Texas, Teacher Retirement System of Texas, Texas County and District Retirement System, Texas Emergency Services Retirement System, El Paso Firemen and Policemen’s Pension Fund, City of Austin Employees’ Retirement System, Dallas Police and Fire Pension System, Houston Firefighters Relief and Retirement Fund, and Houston Police Officers Pension System.

UTAH

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Table A37. Utah County Data

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 0.7%
- Metropolitan: 1.2%
- Micropolitan: 1.3%
- Rural: 1.5%

Total average percent of GDP in the state: 1.0%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 1.0%
- Metropolitan: 1.1%
- Micropolitan: 1.2%
- Rural: 1.8%

Total average percent of TPI in the state: 1.0%

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Beaver	Rural	\$4,658,475.00	1.22%	2.10%	9.58%
2	Box Elder	Metropolitan	\$29,460,111.00	1.25%	1.43%	28.55%
3	Cache	Metropolitan	\$60,701,377.00	1.27%	1.23%	39.04%
4	Carbon	Micropolitan	\$16,071,545.00	1.61%	2.06%	-0.75%
5	Daggett	Rural	\$1,230,463.00	1.12%	3.05%	6.41%
6	Davis	Metropolitan	\$172,506,400.00	1.27%	1.06%	47.16%
7	Duchesne	Micropolitan	\$11,905,361.00	0.98%	1.62%	38.92%
8	Emery	Micropolitan	\$8,556,740.00	1.01%	2.58%	-7.79%
9	Garfield	Rural	\$4,009,933.00	1.90%	2.15%	7.29%
10	Grand	Rural	\$6,429,449.00	1.23%	1.22%	15.07%
11	Iron	Metropolitan	\$25,367,241.00	1.69%	1.49%	56.24%
12	Juab	Micropolitan	\$7,520,758.00	1.59%	1.80%	40.26%
13	Kane	Rural	\$4,288,712.00	1.53%	1.38%	27.51%
14	Millard	Micropolitan	\$10,890,201.00	1.41%	2.38%	4.84%
15	Morgan	Micropolitan	\$8,285,529.00	3.00%	1.31%	68.96%
16	Piute	Rural	\$1,628,485.00	3.17%	3.34%	0.70%
17	Rich	Rural	\$2,071,770.00	1.66%	2.37%	25.65%
18	Salt Lake (Capital)	Metropolitan	\$586,975,787.00	0.73%	0.97%	28.30%
19	San Juan	Micropolitan	\$9,951,440.00	1.95%	2.42%	7.19%
20	Sanpete	Micropolitan	\$18,781,306.00	2.22%	2.10%	34.53%
21	Sevier	Micropolitan	\$21,366,187.00	2.36%	2.91%	14.31%
22	Summit	Micropolitan	\$20,074,891.00	0.68%	0.36%	41.02%
23	Tooele	Metropolitan	\$27,161,490.00	1.55%	1.05%	71.61%
24	Uintah	Micropolitan	\$14,945,076.00	0.65%	1.34%	40.49%
25	Utah	Metropolitan	\$201,368,697.00	0.83%	0.79%	68.83%
26	Wasatch	Micropolitan	\$16,993,653.00	2.14%	0.96%	118.47%
27	Washington	Metropolitan	\$89,181,245.00	1.67%	1.34%	90.03%
28	Wayne	Rural	\$2,672,317.00	2.80%	2.54%	7.21%
29	Weber	Metropolitan	\$134,836,876.00	1.39%	1.26%	30.44%

Figure A109. Utah County Type

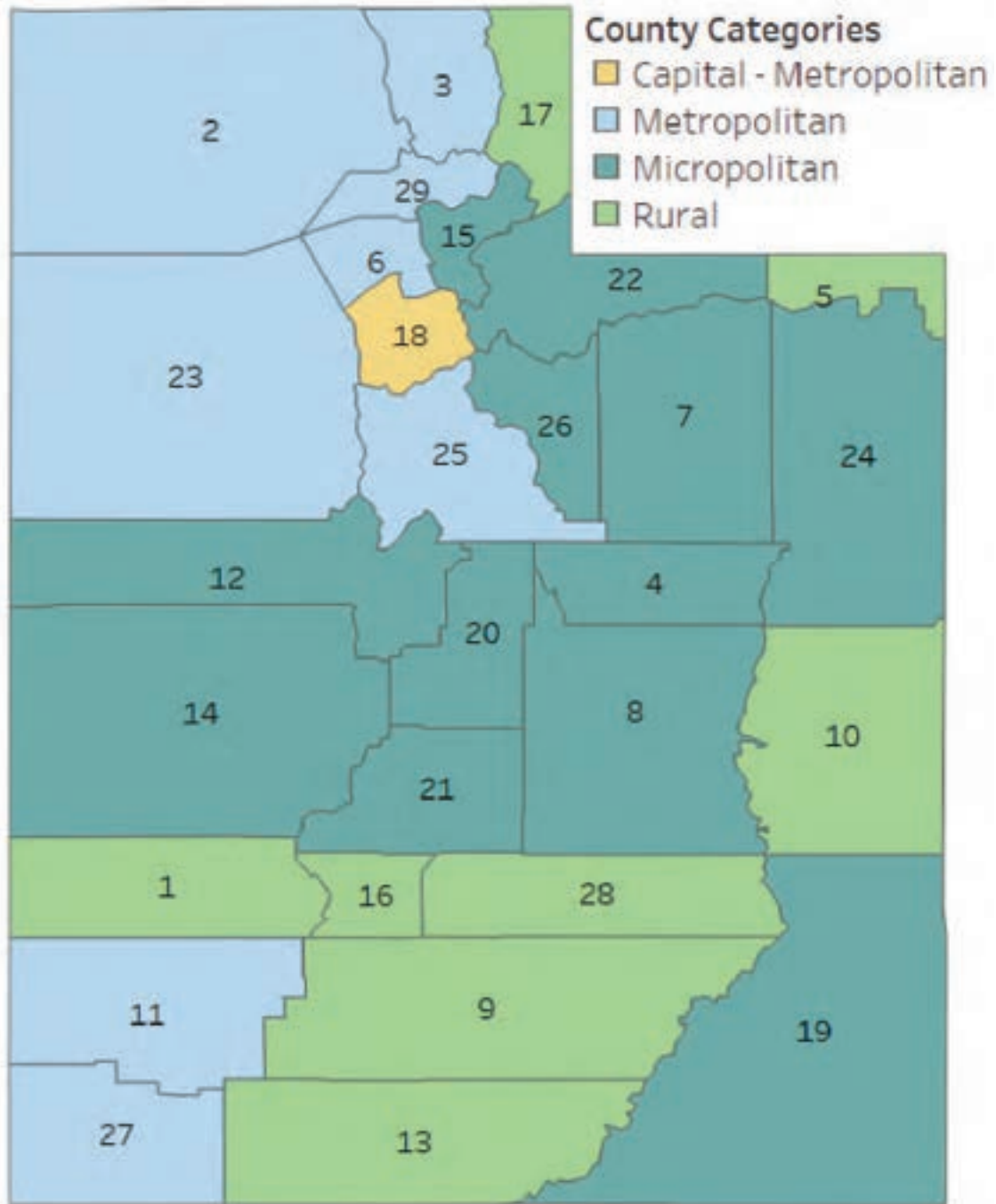


Figure A110. Utah Pension Benefit Dollars as Share of County GDP

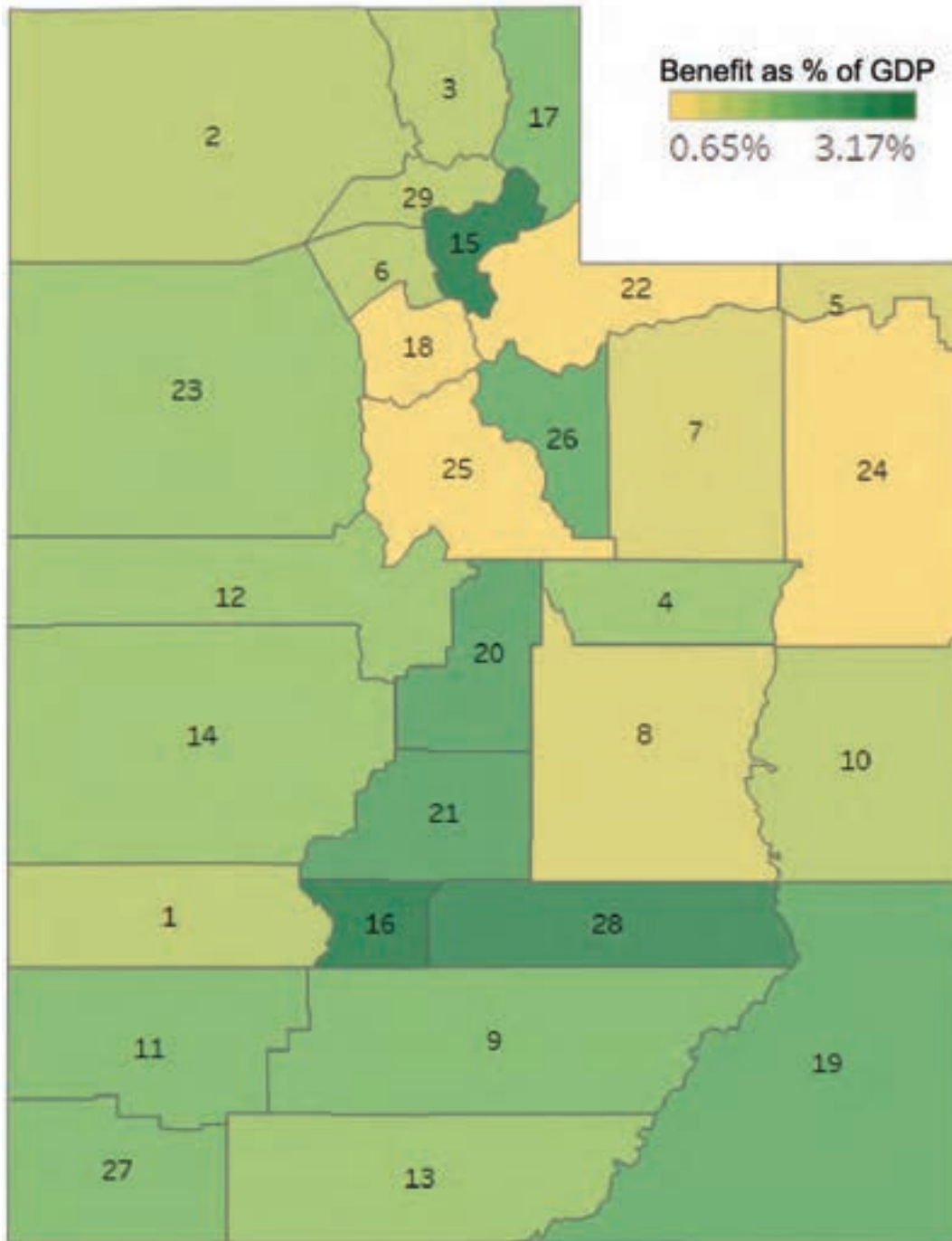
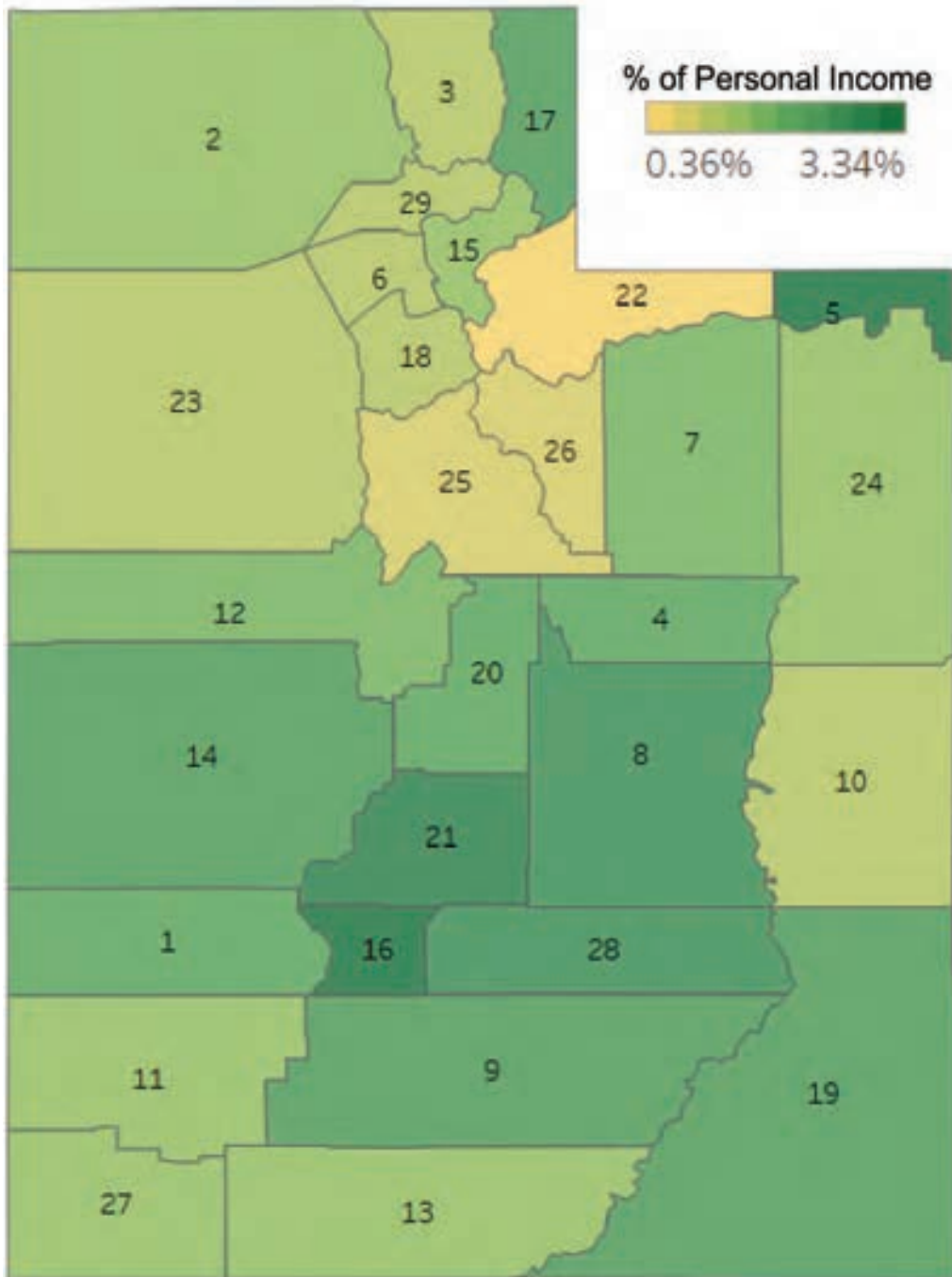


Figure A111. Utah Pension Benefit Dollars as Share of County Total Personal Income



Overview

In Utah, we received data from the Utah Retirement System.

VERMONT

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Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 1.5%
- Metropolitan: 0.7%
- Micropolitan: 1.0%
- Rural: 2.1%

Total average percent of GDP in the state: 0.9%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 1.4%
- Metropolitan: 0.6%
- Micropolitan: 0.8%
- Rural: 0.9%

Total average percent of TPI in the state: 0.8%

Table A38. Vermont County Data

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Addison	Micropolitan	\$16,156,168.32	1.06%	0.84%	2.78%
2	Bennington	Micropolitan	\$12,096,922.08	0.79%	0.62%	-3.68%
3	Caledonia	Micropolitan	\$14,916,266.76	1.46%	1.19%	2.02%
4	Chittenden	Metropolitan	\$56,349,206.16	0.54%	0.56%	12.28%
5	Essex	Rural	\$1,931,351.40	1.42%	0.86%	-3.24%
6	Franklin	Micropolitan	\$17,018,149.68	0.98%	0.75%	8.82%
7	Grand Isle	Rural	\$4,149,325.56	2.66%	0.99%	2.74%
8	Lamoille	Micropolitan	\$11,564,587.92	1.05%	0.85%	8.90%
9	Orange	Micropolitan	\$12,077,099.40	1.60%	0.88%	2.74%
10	Orleans	Micropolitan	\$13,597,018.20	1.40%	1.16%	2.40%
11	Rutland	Metropolitan	\$27,296,018.52	1.11%	0.89%	-7.46%
12	Washington (Capital)	Metropolitan	\$49,682,420.64	1.46%	1.42%	0.17%
13	Windham	Micropolitan	\$13,338,042.48	0.61%	0.61%	-3.30%
14	Windsor	Metropolitan	\$21,280,128.00	0.92%	0.66%	-3.71%

Figure A112. Vermont County Type

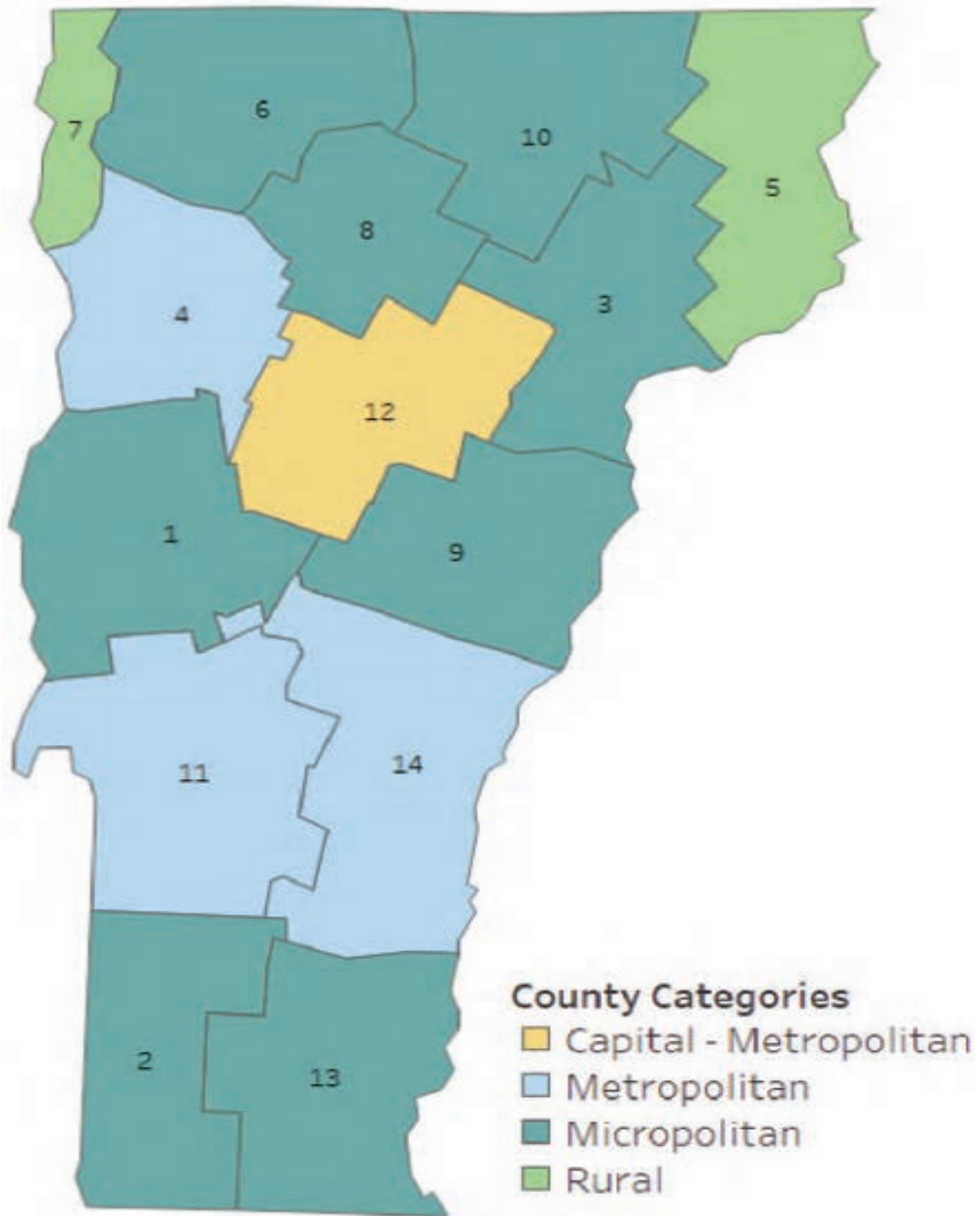


Figure A113. Vermont Pension Benefit Dollars as Share of County GDP

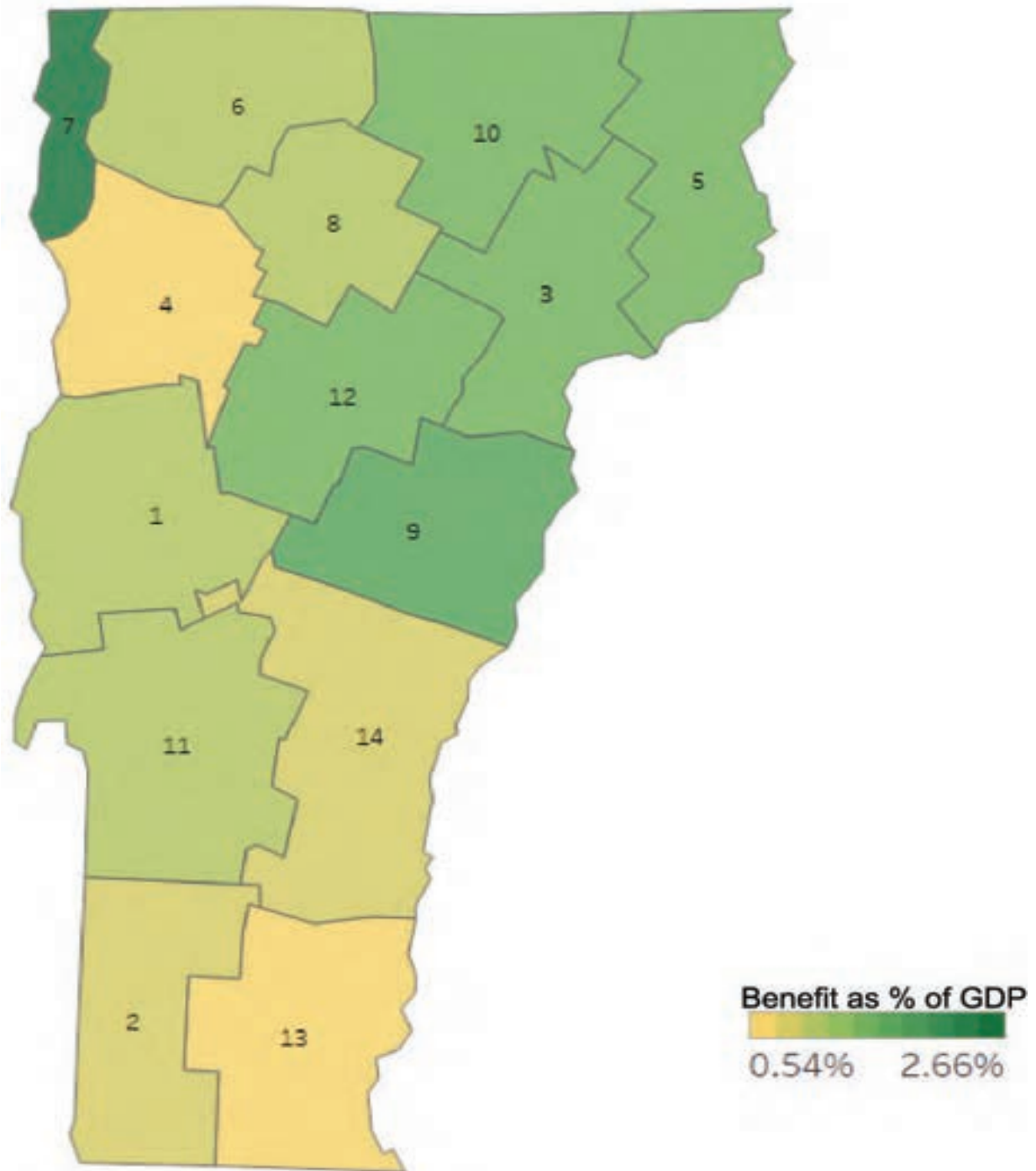
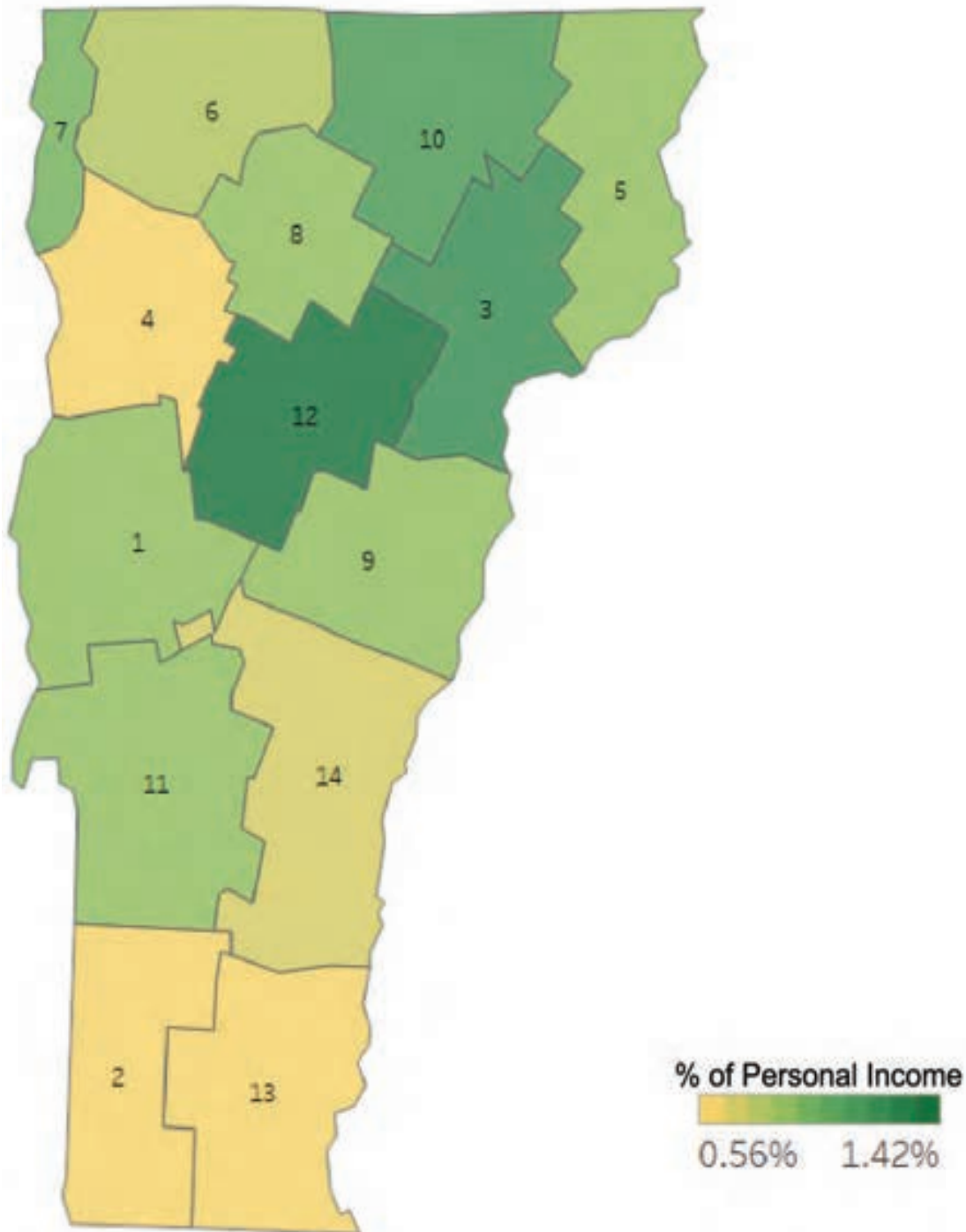


Figure A114. Vermont Pension Benefit Dollars as Share of County Total Personal Income



Overview

In Vermont, we received data from the Municipal Employees Retirement System, the State Employees Retirement System, and the State Teachers Retirement System.

VIRGINIA

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Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 0.4%
- Metropolitan: 0.7%
- Micropolitan: 1.7%
- Rural: 1.8%

Total average percent of GDP in the state: 0.8%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 0.6%
- Metropolitan: 0.7%
- Micropolitan: 1.4%
- Rural: 1.5%

Total average percent of TPI in the state: 0.8%

Table A39. Virginia County Data

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Accomack	Micropolitan	\$16,981,481.87	0.61%	1.23%	-15.38%
2	Amelia	Micropolitan	\$8,750,770.13	2.42%	1.50%	14.15%
3	Amherst	Micropolitan	\$22,457,777.81	2.87%	1.91%	-0.71%
4	Appomattox	Micropolitan	\$9,225,538.42	3.21%	1.52%	15.59%
5	Arlington	Metropolitan	\$34,291,803.28	0.11%	0.15%	25.37%
6	Bath	Rural	\$3,917,088.31	1.77%	1.48%	-14.98%
7	Bedford	Metropolitan	\$37,989,728.73	2.04%	1.03%	30.44%
8	Bland	Rural	\$5,487,580.79	2.31%	2.34%	-8.41%
9	Botetourt	Micropolitan	\$18,406,172.74	1.44%	1.10%	9.12%
10	Brunswick	Micropolitan	\$11,525,163.30	1.46%	2.15%	-11.05%
11	Buchanan	Micropolitan	\$11,056,646.29	1.09%	1.44%	-21.34%
12	Buckingham	Micropolitan	\$10,105,577.37	1.84%	1.94%	8.81%
13	Caroline	Micropolitan	\$13,621,892.98	2.26%	1.06%	39.11%
14	Charles City	Rural	\$3,932,276.58	2.16%	1.24%	0.22%
15	Charlotte	Micropolitan	\$9,244,607.61	3.44%	2.15%	-4.28%
16	Chesterfield	Metropolitan	\$223,825,075.86	1.46%	1.20%	34.11%
17	Clarke	Micropolitan	\$9,685,684.44	2.05%	0.99%	14.79%
18	Craig	Rural	\$3,133,959.35	3.25%	1.62%	-0.53%
19	Culpeper	Metropolitan	\$28,497,152.49	1.73%	1.18%	51.36%
20	Cumberland	Rural	\$5,180,573.82	2.73%	1.36%	8.78%
21	Dickenson	Micropolitan	\$9,336,631.54	1.91%	1.99%	-11.42%
22	Essex	Micropolitan	\$7,873,502.08	2.25%	1.70%	9.31%
23	Fauquier	Metropolitan	\$33,846,471.99	1.28%	0.68%	28.18%
24	Floyd	Micropolitan	\$8,454,887.31	2.18%	1.38%	13.85%
25	Fluvanna	Micropolitan	\$17,982,767.29	2.35%	1.50%	33.60%
26	Franklin	Metropolitan	\$23,633,336.37	1.79%	1.03%	18.84%
27	Giles	Micropolitan	\$13,750,349.80	3.02%	2.03%	1.12%
28	Gloucester	Micropolitan	\$24,438,376.48	2.91%	1.30%	7.39%
29	Goochland	Micropolitan	\$16,827,176.04	0.86%	0.72%	37.84%
30	Grayson	Micropolitan	\$5,740,512.09	2.03%	1.11%	-12.76%
31	Greene	Micropolitan	\$10,018,714.15	2.15%	1.14%	29.75%
32	Halifax	Micropolitan	\$19,169,590.80	1.52%	1.51%	-8.66%
33	Hanover	Metropolitan	\$83,370,108.95	1.56%	1.29%	24.23%
34	Henrico	Metropolitan	\$207,733,141.72	0.83%	0.94%	25.53%
35	Highland	Rural	\$2,336,146.97	2.26%	2.29%	-12.85%
36	Isle of Wight	Micropolitan	\$19,087,911.87	1.19%	0.93%	24.30%

Table A39. **Virginia County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
37	King and Queen	Rural	\$5,057,903.34	3.79%	1.66%	6.21%
38	King George	Micropolitan	\$5,980,874.40	0.34%	0.42%	58.16%
39	King William	Micropolitan	\$9,863,595.25	2.25%	1.25%	28.85%
40	Lancaster	Micropolitan	\$9,075,861.79	2.23%	1.40%	-6.78%
41	Lee	Micropolitan	\$14,629,824.75	3.22%	2.05%	-0.20%
42	Loudoun	Metropolitan	\$87,846,457.61	0.36%	0.28%	139.89%
43	Louisa	Micropolitan	\$18,767,325.65	0.90%	1.20%	43.51%
44	Lunenburg	Micropolitan	\$6,879,025.63	2.77%	1.69%	-8.06%
45	Madison	Micropolitan	\$10,217,203.37	2.90%	1.57%	6.19%
46	Mathews	Rural	\$7,488,210.18	4.13%	1.52%	-4.40%
47	Mecklenburg	Micropolitan	\$21,946,096.36	2.00%	1.92%	-5.34%
48	Middlesex	Micropolitan	\$10,791,509.20	3.26%	1.96%	8.43%
49	Nelson	Micropolitan	\$15,143,753.62	2.75%	2.01%	2.71%
50	New Kent	Micropolitan	\$18,199,516.46	4.35%	1.15%	66.33%
51	Northampton	Micropolitan	\$8,973,940.74	1.92%	1.55%	-10.37%
52	Northumberland	Micropolitan	\$10,041,105.69	2.08%	1.56%	-0.91%
53	Nottoway	Micropolitan	\$12,297,168.40	2.57%	2.29%	-1.94%
54	Orange	Micropolitan	\$24,155,556.85	2.60%	1.35%	41.59%
55	Page	Micropolitan	\$11,324,924.58	1.82%	1.21%	3.26%
56	Patrick	Micropolitan	\$8,049,579.56	1.89%	1.34%	-8.93%
57	Powhatan	Micropolitan	\$19,472,239.87	2.88%	1.18%	30.44%
58	Prince Edward	Micropolitan	\$17,196,253.58	2.41%	2.35%	16.38%
59	Pulaski	Micropolitan	\$20,205,641.61	1.68%	1.47%	-3.02%
60	Rappahannock	Rural	\$4,553,344.89	1.83%	0.96%	3.85%
61	Richmond	Rural	\$6,143,407.77	2.35%	1.85%	2.60%
62	Russell	Micropolitan	\$15,676,236.16	2.23%	1.75%	-11.75%
63	Scott	Micropolitan	\$10,574,148.00	2.32%	1.45%	-7.99%
64	Shenandoah	Micropolitan	\$23,203,125.30	1.21%	1.18%	24.01%
65	Smyth	Micropolitan	\$23,459,224.75	2.20%	2.08%	-7.89%
66	Stafford	Metropolitan	\$44,397,092.81	0.92%	0.54%	62.21%
67	Surry	Rural	\$5,107,318.27	0.47%	1.70%	-5.20%
68	Sussex	Micropolitan	\$7,289,314.86	2.16%	2.07%	-10.13%
69	Tazewell	Micropolitan	\$23,876,789.54	1.42%	1.50%	-8.39%
70	Warren	Micropolitan	\$15,609,109.65	0.87%	0.83%	26.66%

Table A39. Virginia County Data (continued)

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
71	Westmoreland	Micropolitan	\$9,220,854.24	2.55%	1.20%	6.65%
72	Wythe	Micropolitan	\$20,210,718.52	1.19%	1.97%	4.18%
73	Albemarle + Charlottesville	Metropolitan	\$87,115,324.47	0.84%	0.74%	26.19%
74	Alleghany + Covington	Micropolitan	\$12,473,587.09	1.35%	1.53%	5.93%
75	Augusta + Staunton + Waynesboro	Metropolitan	\$89,081,627.69	1.82%	1.63%	12.86%
76	Campbell + Lynchburg	Metropolitan	\$66,636,703.28	1.02%	1.29%	17.84%
77	Carroll + Galax	Micropolitan	\$20,722,166.20	2.21%	1.60%	-0.06%
78	Dinwiddie + Colonial Heights + Petersburg	Metropolitan	\$83,445,552.88	3.12%	2.65%	3.67%
79	Fairfax + Fairfax City + Falls Church	Metropolitan	\$331,240,016.17	0.32%	0.34%	18.82%
80	Frederick + Winchester	Metropolitan	\$47,889,344.47	0.85%	0.81%	40.67%
81	Greensville + Emporia	Micropolitan	\$12,864,097.22	1.52%	2.37%	-2.77%
82	Henry + Martinsville	Metropolitan	\$32,206,538.70	1.51%	1.28%	-12.94%
83	James City + Williamsburg	Metropolitan	\$68,609,508.32	1.68%	1.14%	51.90%
84	Montgomery + Radford	Metropolitan	\$93,344,392.21	1.74%	2.11%	17.93%
85	Pittsylvania + Danville	Metropolitan	\$47,056,541.92	1.39%	1.20%	-7.73%
86	Prince George + Hopewell	Metropolitan	\$25,063,498.31	0.67%	1.07%	9.53%

Table A39. **Virginia County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
87	Prince William + Manassas + Manassas Park	Metropolitan	\$144,338,101.10	0.80%	0.50%	71.92%
88	Roanoke + Salem	Metropolitan	\$81,097,882.59	1.40%	1.30%	8.32%
89	Rockbridge + Buena Vista + Lexington	Micropolitan	\$24,956,062.07	2.32%	1.71%	6.18%
90	Rockingham + Harrisonburg	Metropolitan	\$66,767,964.07	1.09%	1.24%	25.03%
91	Southampton + Franklin	Micropolitan	\$17,627,689.37	2.51%	1.62%	-0.89%
92	Spotsylvania + Fredericksburg	Metropolitan	\$63,923,466.36	1.20%	0.77%	48.97%
93	Washington + Bristol	Metropolitan	\$46,140,454.49	1.80%	1.59%	3.53%
94	Wise + Norton	Micropolitan	\$26,842,894.49	1.74%	1.94%	-4.65%
95	York + Poquoson	Metropolitan	\$34,240,309.16	1.47%	0.72%	17.94%
96	Alexandria Independent City	Metropolitan	\$28,618,773.67	0.20%	0.20%	25.14%
97	Chesapeake Independent City	Metropolitan	\$131,375,963.33	1.36%	1.07%	21.81%
98	Hampton Independent City	Metropolitan	\$62,195,745.31	0.95%	1.06%	-8.28%
99	Newport News Independent City	Metropolitan	\$50,463,264.53	0.42%	0.65%	-0.85%
100	Norfolk Independent City	Metropolitan	\$62,229,403.36	0.30%	0.61%	4.13%

Table A39. **Virginia County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
101	Portsmouth Independent City	Metropolitan	\$41,909,832.13	0.73%	1.08%	-5.90%
102	Richmond Independent City (Capital)	Metropolitan	\$83,148,202.09	0.44%	0.65%	15.67%
103	Roanoke Independent City	Metropolitan	\$29,055,703.54	0.44%	0.67%	5.28%
104	Suffolk Independent City	Metropolitan	\$44,721,182.36	1.01%	0.95%	43.20%
105	Virginia Beach Independent City	Metropolitan	\$221,983,008.19	1.11%	0.85%	5.86%

Figure A115. Virginia County Type

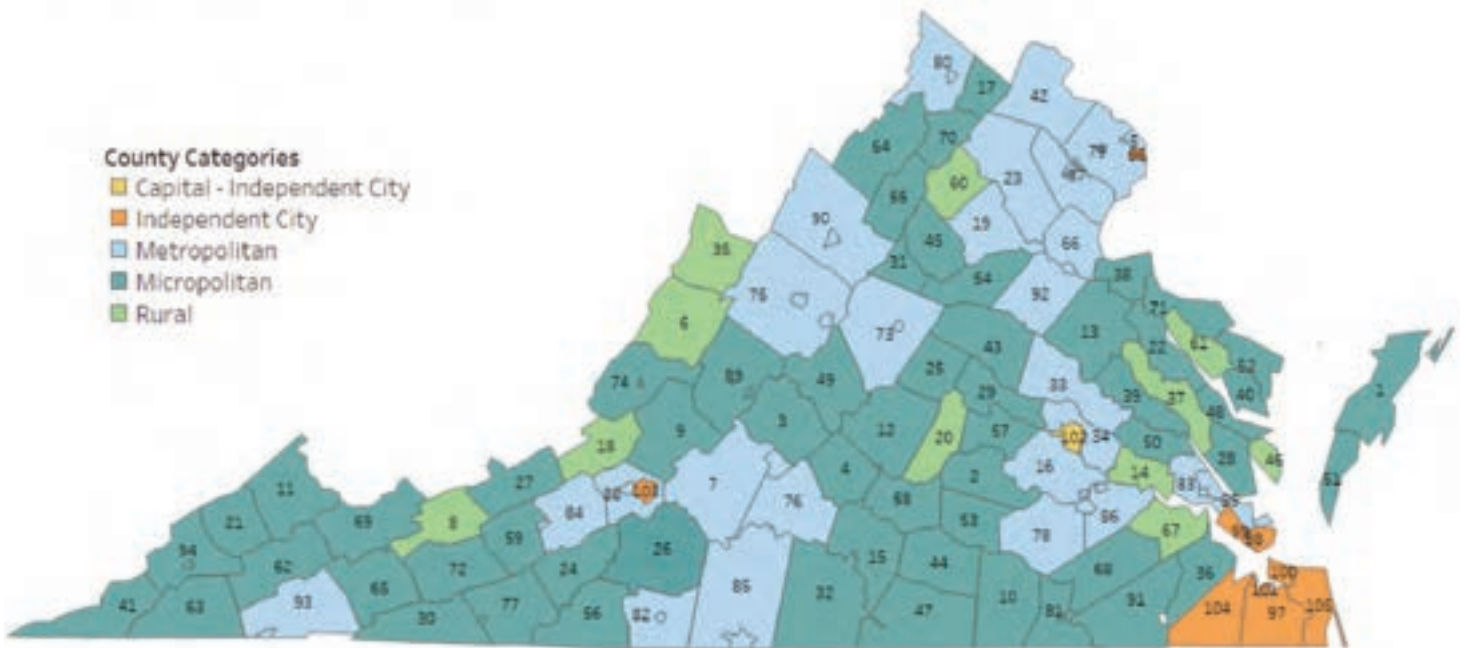
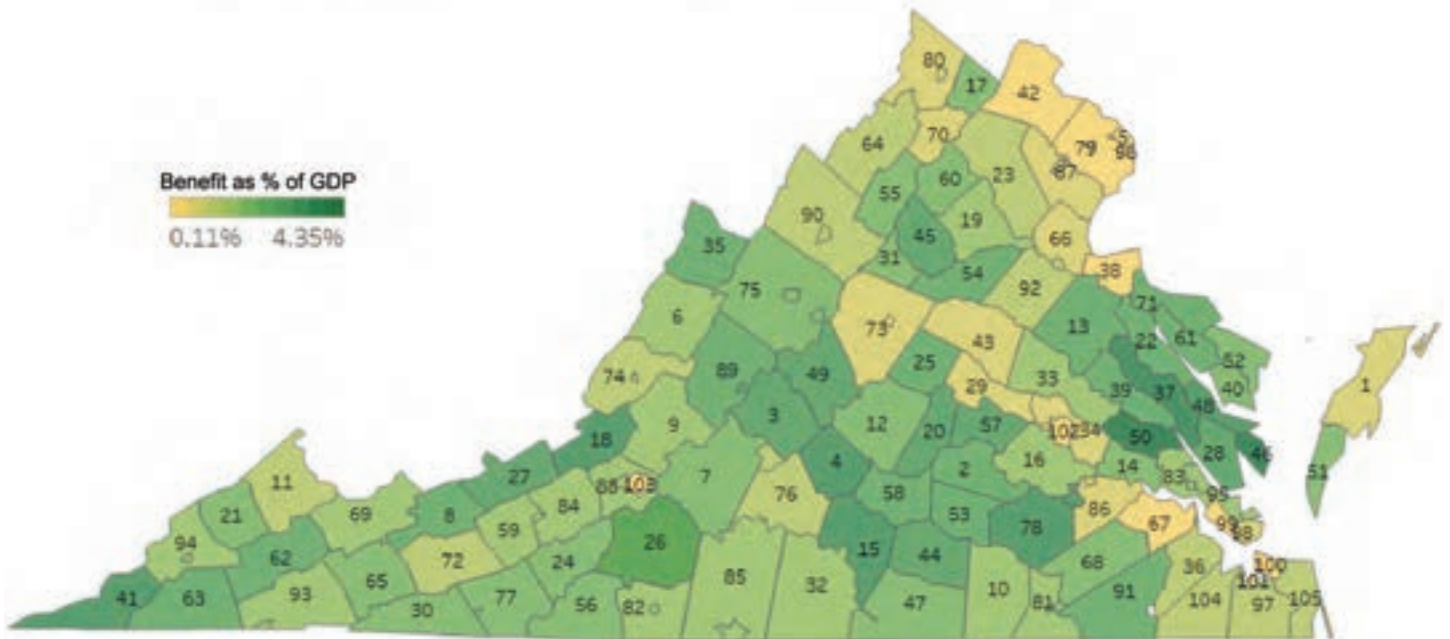


Figure A116. Virginia Pension Benefit Dollars as Share of County GDP



WASHINGTON

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 3.2%
- Metropolitan: 1.3%
- Micropolitan: 1.8%
- Rural: 1.6%

Total average percent of GDP in the state: 0.7%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 2.7%
- Metropolitan: 1.1%
- Micropolitan: 1.5%
- Rural: 1.8%

Total average percent of TPI in the state: 0.8%

Table A40. Washington County Data

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Adams	Micropolitan	\$6,694,673.01	0.72%	0.79%	20.28%
2	Asotin	Micropolitan	\$11,187,660.68	1.64%	1.05%	10.02%
3	Benton	Metropolitan	\$111,898,741.50	1.08%	1.17%	41.69%
4	Chelan	Metropolitan	\$66,109,534.08	1.58%	1.57%	15.64%
5	Clallam	Metropolitan	\$56,090,142.61	2.36%	1.58%	18.93%
6	Clark	Metropolitan	\$162,562,552.05	0.89%	0.63%	39.57%
7	Columbia	Rural	\$3,196,957.86	0.74%	1.57%	-0.12%
8	Cowlitz	Metropolitan	\$58,927,403.12	1.31%	1.20%	17.26%
9	Douglas	Micropolitan	\$37,578,814.75	2.09%	2.11%	31.60%
10	Ferry	Rural	\$5,645,910.86	2.92%	2.05%	5.36%
11	Franklin	Metropolitan	\$31,388,180.12	0.88%	0.89%	91.19%
12	Garfield	Rural	\$1,607,836.20	1.11%	1.61%	-6.26%
13	Grant	Metropolitan	\$52,591,237.68	0.96%	1.36%	30.30%
14	Grays Harbor	Metropolitan	\$59,630,534.18	2.42%	2.00%	9.98%
15	Island	Metropolitan	\$59,636,088.87	2.15%	1.27%	18.03%
16	Jefferson	Micropolitan	\$27,774,671.33	2.90%	1.66%	22.26%
17	King	Metropolitan	\$767,784,378.50	0.28%	0.38%	28.56%
18	Kitsap	Metropolitan	\$129,473,202.91	1.12%	0.85%	16.31%
19	Kittitas	Micropolitan	\$39,379,237.33	2.41%	1.95%	41.97%
20	Klickitat	Micropolitan	\$13,210,294.88	1.14%	1.23%	15.37%
21	Lewis	Metropolitan	\$61,943,589.40	1.82%	1.79%	16.04%
22	Lincoln	Micropolitan	\$9,622,162.67	2.00%	1.93%	5.46%
23	Mason	Metropolitan	\$61,135,840.89	4.08%	2.18%	32.59%
24	Okanogan	Micropolitan	\$28,980,918.05	2.06%	1.62%	6.49%
25	Pacific	Micropolitan	\$19,755,398.15	2.83%	2.15%	5.01%
26	Pend Oreille	Micropolitan	\$9,662,129.51	1.60%	1.70%	15.94%
27	Pierce	Metropolitan	\$440,870,837.46	1.11%	0.95%	27.18%
28	San Juan	Micropolitan	\$10,011,587.70	1.50%	0.76%	21.67%
29	Skagit	Metropolitan	\$86,708,152.29	1.16%	1.27%	24.50%
30	Skamania	Micropolitan	\$6,389,428.72	2.32%	1.17%	20.79%
31	Snohomish	Metropolitan	\$375,130,093.36	0.96%	0.82%	34.47%
32	Spokane	Metropolitan	\$277,368,024.59	1.18%	1.16%	23.14%
33	Stevens	Micropolitan	\$26,388,321.76	2.38%	1.48%	12.96%
34	Thurston (Capital)	Metropolitan	\$391,895,596.44	3.16%	2.65%	38.13%

Table A40. **Washington County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
35	Wahkiakum	Rural	\$3,728,558.91	3.56%	1.99%	15.74%
36	Walla Walla	Metropolitan	\$40,067,731.99	1.31%	1.43%	10.41%
37	Whatcom	Metropolitan	\$108,289,839.39	0.80%	0.98%	35.29%
38	Whitman	Micropolitan	\$23,171,550.06	0.91%	1.14%	22.22%
39	Yakima	Metropolitan	\$127,641,325.81	1.29%	1.17%	12.97%

Figure A118. Washington State County Type

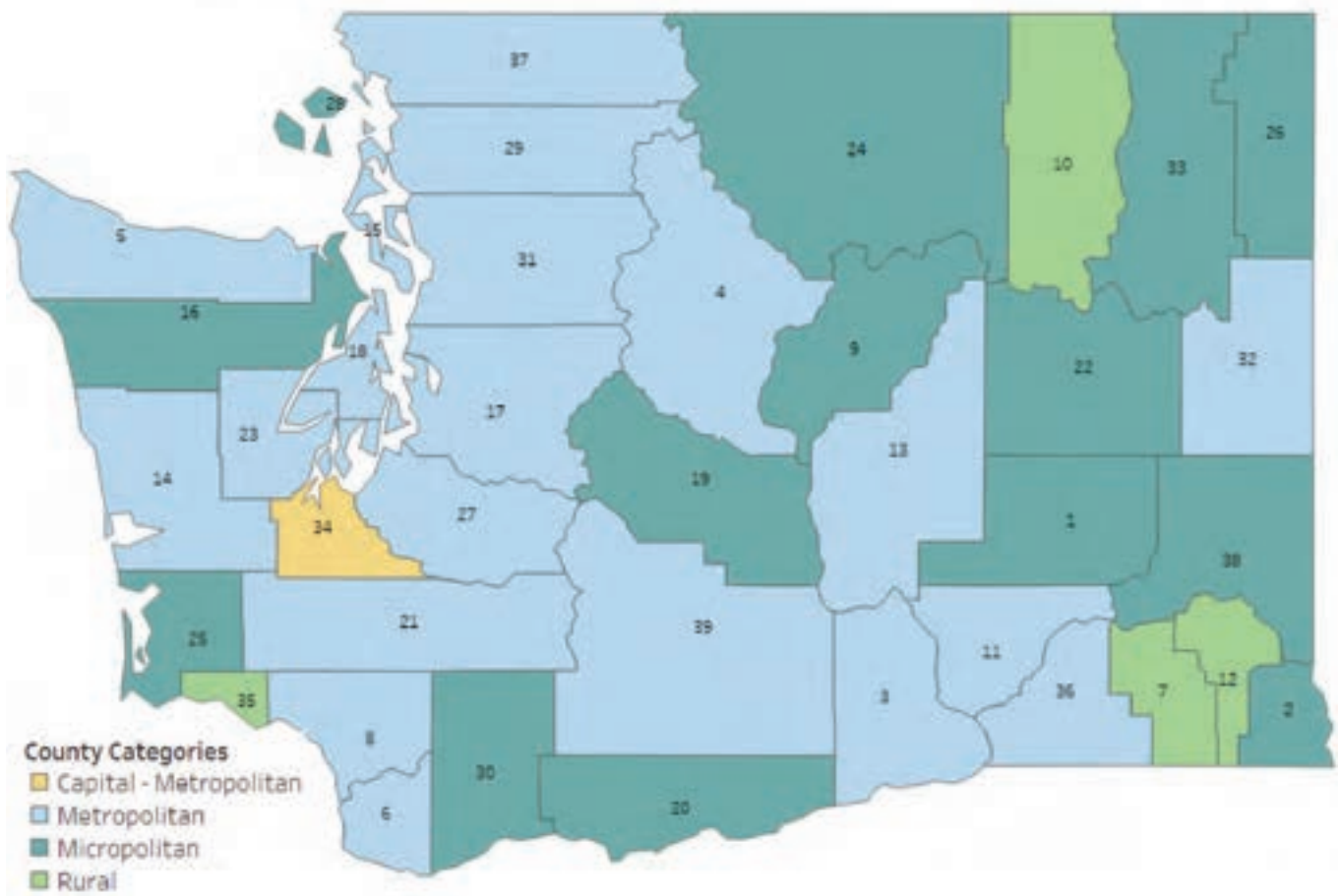
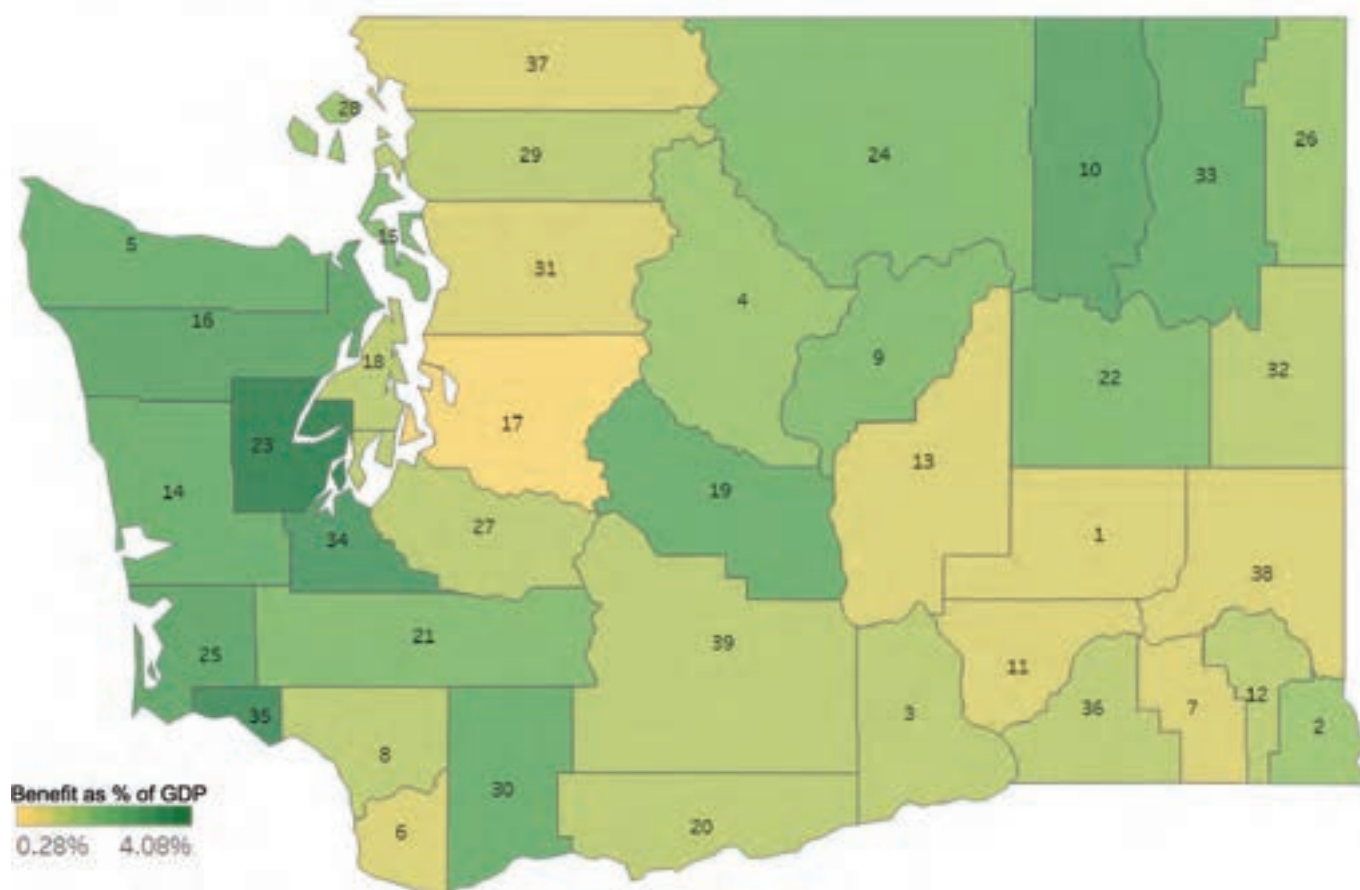


Figure A119. Washington State Pension Benefit Dollars as Share of County GDP



WEST VIRGINIA

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 1.8%
- Metropolitan: 1.5%
- Micropolitan: 1.9%
- Rural: 1.7%

Total average percent of GDP in the state: 1.7%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 2.0%
- Metropolitan: 1.3%
- Micropolitan: 1.8%
- Rural: 2.2%

Total average percent of TPI in the state: 1.6%

Table A41. West Virginia County Data

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Barbour	Micropolitan	\$9,339,604.99	2.40%	1.75%	6.29%
2	Berkeley	Metropolitan	\$34,126,537.48	1.10%	0.71%	54.30%
3	Boone	Micropolitan	\$19,574,200.37	2.95%	2.65%	-14.04%
4	Braxton	Micropolitan	\$9,165,683.45	3.27%	2.06%	-4.17%
5	Brooke	Micropolitan	\$11,125,689.26	1.29%	1.20%	-12.75%
6	Cabell	Metropolitan	\$57,691,047.38	1.31%	1.44%	-3.68%
7	Calhoun	Rural	\$3,695,281.45	3.14%	1.69%	-4.33%
8	Clay	Rural	\$7,137,480.50	6.57%	2.67%	-16.44%
9	Doddridge	Rural	\$4,229,457.52	0.31%	1.74%	13.55%
10	Fayette	Micropolitan	\$29,777,292.51	2.99%	2.00%	-9.59%
11	Gilmer	Rural	\$7,497,941.00	4.14%	3.23%	12.09%
12	Grant	Micropolitan	\$8,476,170.39	2.03%	1.99%	2.89%
13	Greenbrier	Micropolitan	\$23,822,410.22	2.28%	1.80%	0.97%
14	Hampshire	Micropolitan	\$12,905,409.77	4.10%	1.58%	15.56%
15	Hancock	Micropolitan	\$16,211,276.64	1.24%	1.32%	-10.94%
16	Hardy	Micropolitan	\$8,274,666.93	2.22%	1.76%	8.73%
17	Harrison	Metropolitan	\$51,653,904.67	1.18%	1.59%	-1.60%
18	Jackson	Micropolitan	\$26,573,805.89	1.95%	2.43%	2.52%
19	Jefferson	Metropolitan	\$14,468,730.15	1.03%	0.51%	34.66%
20	Kanawha (Capital)	Metropolitan	\$176,896,308.49	1.82%	2.02%	-9.81%
21	Lewis	Micropolitan	\$16,446,527.55	2.47%	2.52%	-5.29%
22	Lincoln	Micropolitan	\$14,085,544.06	6.30%	2.24%	-6.83%
23	Logan	Micropolitan	\$23,274,667.19	1.82%	1.95%	-13.53%
24	Marion	Metropolitan	\$36,576,944.99	1.70%	1.55%	-0.89%
25	Marshall	Micropolitan	\$18,978,692.86	0.67%	1.50%	-13.33%
26	Mason	Micropolitan	\$15,479,856.53	1.94%	1.74%	2.93%
27	McDowell	Micropolitan	\$11,025,094.52	1.96%	1.99%	-33.32%
28	Mercer	Metropolitan	\$44,365,743.33	2.86%	2.00%	-6.11%
29	Mineral	Micropolitan	\$14,537,900.39	1.95%	1.39%	-0.51%
30	Mingo	Micropolitan	\$13,958,797.62	2.00%	1.83%	-15.81%
31	Monongalia	Metropolitan	\$40,182,243.37	0.64%	0.85%	29.99%
32	Monroe	Micropolitan	\$11,683,800.98	5.75%	2.90%	-8.94%
33	Morgan	Micropolitan	\$5,808,677.71	2.31%	0.95%	19.03%
34	Nicholas	Micropolitan	\$19,817,552.75	3.36%	2.34%	-6.48%

Table A41. **West Virginia County Data (continued)**

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
35	Ohio	Micropolitan	\$26,207,472.71	0.86%	0.96%	-11.96%
36	Pendleton	Rural	\$7,259,466.32	5.63%	2.95%	-14.63%
37	Pleasants	Rural	\$6,099,068.15	1.40%	1.85%	-0.09%
38	Pocahontas	Rural	\$8,559,145.06	3.59%	2.66%	-7.85%
39	Preston	Micropolitan	\$20,858,946.92	3.33%	1.73%	15.36%
40	Putnam	Metropolitan	\$55,013,670.76	2.01%	2.07%	9.87%
41	Raleigh	Metropolitan	\$63,626,955.58	2.25%	2.08%	-6.27%
42	Randolph	Micropolitan	\$24,275,414.63	3.10%	2.31%	1.98%
43	Ritchie	Rural	\$6,111,908.25	0.90%	1.69%	-6.01%
44	Roane	Micropolitan	\$10,021,777.42	3.61%	2.07%	-9.80%
45	Summers	Micropolitan	\$10,116,092.07	5.14%	2.41%	-1.84%
46	Taylor	Micropolitan	\$9,787,366.12	2.02%	1.43%	4.80%
47	Tucker	Rural	\$7,715,913.97	2.92%	2.68%	-5.00%
48	Tyler	Rural	\$5,193,374.44	0.78%	1.59%	-8.82%
49	Upshur	Micropolitan	\$18,686,918.48	2.78%	2.30%	4.32%
50	Wayne	Micropolitan	\$24,908,756.58	2.69%	1.85%	-6.90%
51	Webster	Rural	\$5,654,323.28	3.66%	2.45%	-14.75%
52	Wetzel	Micropolitan	\$9,657,623.64	1.02%	1.72%	-13.69%
53	Wirt	Rural	\$3,680,567.84	6.33%	1.96%	-0.73%
54	Wood	Metropolitan	\$54,067,560.09	1.61%	1.50%	-4.30%
55	Wyoming	Micropolitan	\$13,437,483.35	2.29%	2.12%	-19.15%

Figure A121. West Virginia County Type

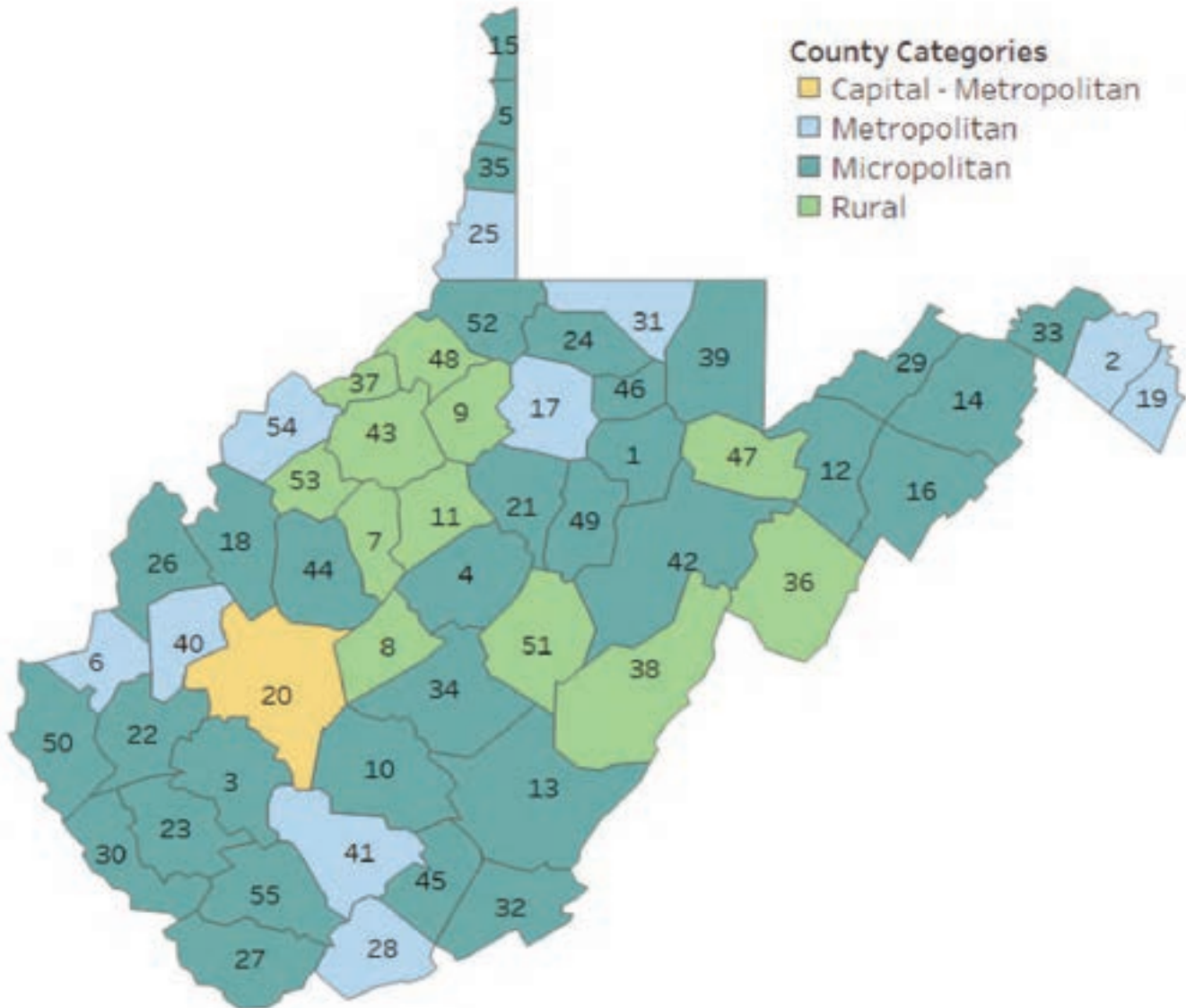


Figure A122. West Virginia Pension Benefit Dollars as Share of County GDP

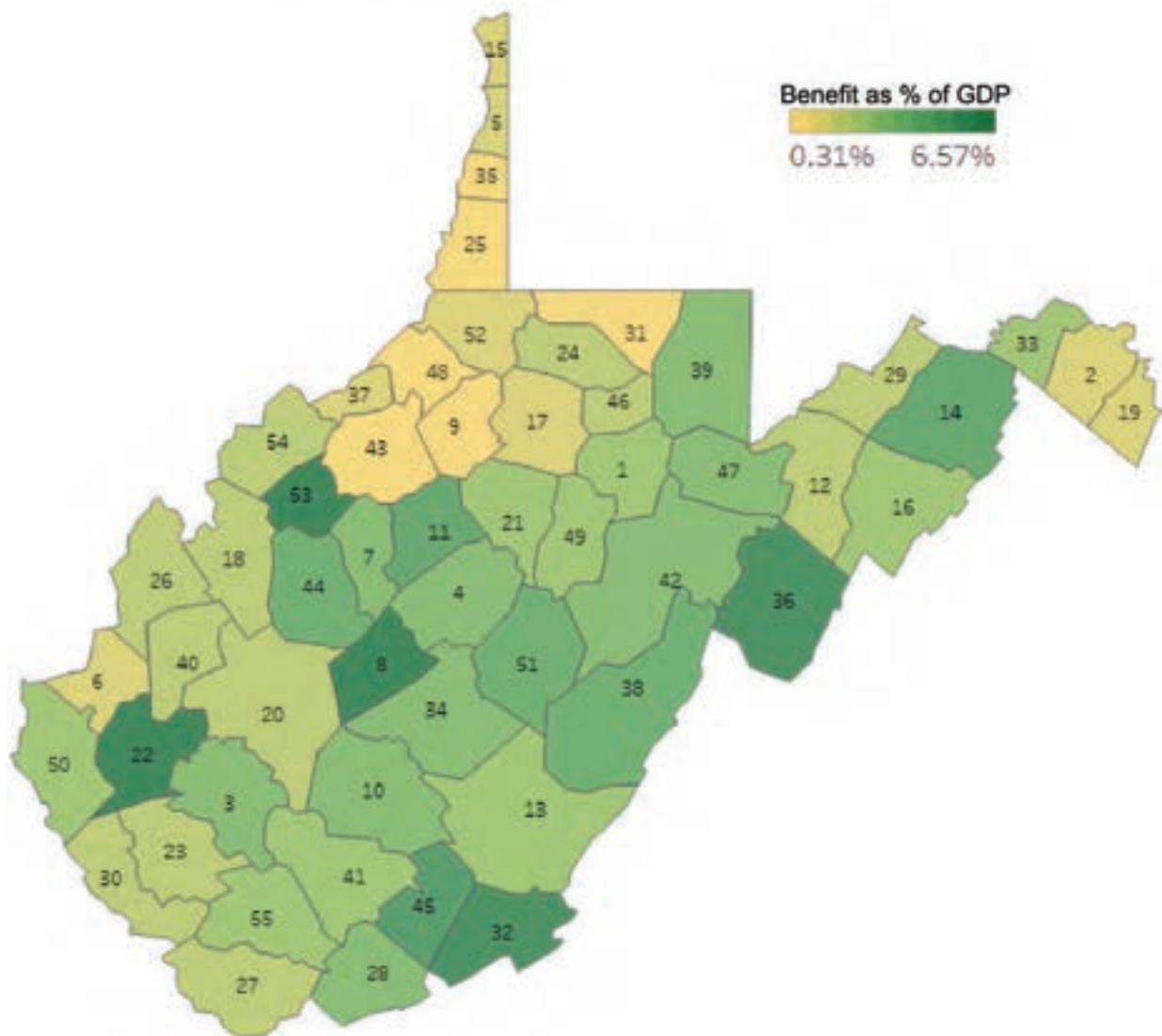
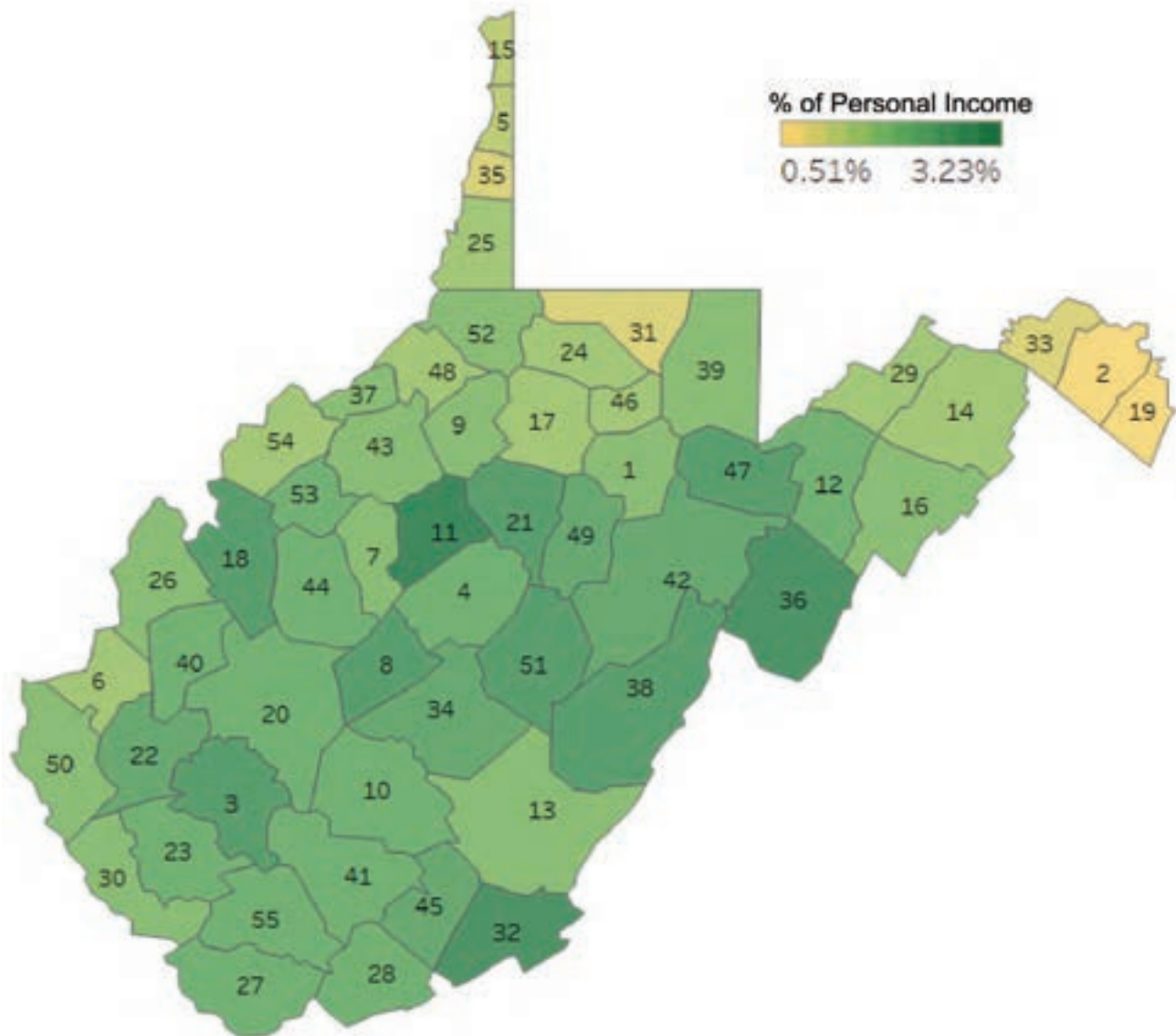


Figure A123. West Virginia Pension Benefit Dollars as Share of County Total Personal Income



Overview

In West Virginia, we received data from the West Virginia Consolidated Public Retirement Board, which includes: the Public Employees Retirement System, the Teachers' Retirement System, the WV State Police Death, Disability and Retirement Fund, the West Virginia State Police Retirement System, the Deputy Sheriffs' Retirement System, the Judges' Retirement System, the Emergency Medical Services Retirement System, the Municipal Police and Firefighters Retirement System, and the Natural Resources Police Officers Retirement System.

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 2.2%
- Metropolitan: 1.3%
- Micropolitan: 2.3%
- Rural: 2.3%

Total average percent of GDP in the state: 1.6%

Average percent of Total Personal Income (TPI) for each county type in the state:

- Capital: 2.7%
- Metropolitan: 1.3%
- Micropolitan: 1.9%
- Rural: 1.6%

Total average percent of TPI in the state: 1.6%

Table A42. Wisconsin County Data

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Adams	Micropolitan	\$8,399,049.72	1.87%	1.07%	9.15%
2	Ashland	Micropolitan	\$14,316,867.50	2.11%	2.23%	-7.51%
3	Barron	Micropolitan	\$37,377,933.33	1.88%	1.67%	0.45%
4	Bayfield	Micropolitan	\$17,614,717.61	4.41%	2.41%	0.19%
5	Brown	Metropolitan	\$192,056,930.76	1.14%	1.38%	16.14%
6	Buffalo	Micropolitan	\$10,458,409.64	1.88%	1.78%	-4.92%
7	Burnett	Micropolitan	\$8,680,483.09	1.82%	1.32%	-1.80%
8	Calumet	Metropolitan	\$15,968,051.52	1.02%	0.63%	23.45%
9	Chippewa	Metropolitan	\$57,373,562.33	2.24%	1.94%	16.20%
10	Clark	Micropolitan	\$18,671,627.72	1.40%	1.34%	3.43%
11	Columbia	Metropolitan	\$74,145,970.46	2.66%	2.53%	9.32%
12	Crawford	Micropolitan	\$10,445,256.41	1.50%	1.55%	-5.52%
13	Dane (Capital)	Metropolitan	\$907,538,233.45	2.21%	2.73%	27.16%
14	Dodge	Metropolitan	\$76,546,364.66	2.33%	1.95%	2.27%
15	Door	Micropolitan	\$36,587,593.98	3.11%	2.10%	-1.26%
16	Douglas	Micropolitan	\$39,258,218.55	2.15%	2.11%	-0.18%
17	Dunn	Micropolitan	\$45,678,996.03	2.64%	2.53%	13.23%
18	EauClaire	Metropolitan	\$111,655,632.85	1.89%	2.21%	12.23%
19	Florence	Rural	\$3,037,945.34	2.46%	1.29%	-15.07%
20	FondduLac	Metropolitan	\$83,481,439.17	1.75%	1.68%	5.93%
21	Forest	Rural	\$7,348,831.59	2.54%	1.97%	-10.31%
22	Grant	Metropolitan	\$45,592,611.67	2.23%	2.04%	3.95%
23	Green	Micropolitan	\$34,425,918.90	2.27%	1.83%	9.75%
24	GreenLake	Micropolitan	\$17,124,455.76	2.61%	1.96%	-0.98%
25	Iowa	Micropolitan	\$20,532,606.78	1.89%	1.80%	4.35%
26	Iron	Rural	\$5,605,071.41	3.16%	1.92%	-17.27%
27	Jackson	Micropolitan	\$15,550,560.87	1.72%	1.63%	7.21%
28	Jefferson	Metropolitan	\$56,713,713.69	1.37%	1.44%	15.01%
29	Juneau	Micropolitan	\$17,531,098.25	2.21%	1.74%	9.46%
30	Kenosha	Metropolitan	\$83,012,220.04	1.35%	1.05%	13.18%
31	Kewaunee	Micropolitan	\$15,057,356.95	1.91%	1.60%	0.97%
32	LaCrosse	Metropolitan	\$101,429,931.60	1.57%	1.71%	10.37%
33	Lafayette	Micropolitan	\$13,407,892.76	2.02%	1.87%	3.27%
34	Langlade	Micropolitan	\$18,815,916.19	2.79%	2.26%	-7.10%
35	Lincoln	Micropolitan	\$32,650,684.04	3.11%	2.58%	-6.59%
36	Manitowoc	Metropolitan	\$60,542,169.76	1.56%	1.61%	-4.60%

Table A42. Wisconsin County Data (continued)

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
37	Marathon	Metropolitan	\$89,757,568.37	1.11%	1.32%	7.62%
38	Marinette	Micropolitan	\$32,248,052.67	1.66%	1.81%	-6.80%
39	Marquette	Micropolitan	\$15,959,067.58	4.10%	2.51%	-2.51%
40	Menominee	Rural	\$1,756,580.39	1.09%	1.24%	2.10%
41	Milwaukee	Metropolitan	\$383,482,270.06	0.71%	0.85%	0.85%
42	Monroe	Micropolitan	\$25,080,365.75	1.12%	1.30%	12.60%
43	Oconto	Micropolitan	\$26,791,455.04	2.89%	1.55%	6.16%
44	Oneida	Micropolitan	\$47,493,742.65	3.21%	2.59%	-3.55%
45	Outagamie	Metropolitan	\$117,262,832.36	1.14%	1.22%	16.40%
46	Ozaukee	Metropolitan	\$79,721,812.21	1.72%	1.06%	8.30%
47	Pepin	Rural	\$5,003,040.23	1.95%	1.43%	1.05%
48	Pierce	Micropolitan	\$31,774,151.92	2.91%	1.63%	15.63%
49	Polk	Micropolitan	\$25,049,884.78	1.69%	1.24%	5.52%
50	Portage	Metropolitan	\$68,502,275.34	2.01%	2.10%	5.60%
51	Price	Micropolitan	\$12,692,897.02	2.48%	2.09%	-15.33%
52	Racine	Metropolitan	\$168,066,641.95	1.99%	1.72%	4.11%
53	Richland	Micropolitan	\$14,109,154.48	2.10%	1.88%	-3.05%
54	Rock	Metropolitan	\$119,435,862.65	1.70%	1.66%	7.11%
55	Rusk	Micropolitan	\$12,386,650.96	2.41%	1.98%	-7.82%
56	Sauk	Metropolitan	\$59,341,726.67	1.78%	1.91%	16.34%
57	Sawyer	Micropolitan	\$15,226,201.89	2.47%	2.01%	1.81%
58	Shawano	Micropolitan	\$26,147,196.25	2.30%	1.52%	0.32%
59	Sheboygan	Metropolitan	\$92,893,748.10	1.39%	1.52%	2.49%
60	St.Croix	Metropolitan	\$32,804,267.59	1.08%	0.66%	42.02%
61	Taylor	Micropolitan	\$10,591,450.22	1.30%	1.33%	3.72%
62	Trempealeau	Micropolitan	\$23,708,823.16	1.75%	1.80%	9.00%
63	Vernon	Micropolitan	\$23,680,534.31	2.54%	1.91%	9.73%
64	Vilas	Micropolitan	\$25,657,796.31	3.10%	2.17%	4.30%
65	Walworth	Metropolitan	\$71,194,055.79	1.84%	1.37%	10.62%
66	Washburn	Micropolitan	\$20,464,206.79	3.96%	2.73%	-0.99%
67	Washington	Metropolitan	\$92,204,687.29	1.64%	1.16%	15.49%
68	Waukesha	Metropolitan	\$314,972,956.45	1.12%	1.08%	11.73%
69	Waupaca	Metropolitan	\$49,063,862.82	2.63%	2.10%	-1.17%
70	Waushara	Micropolitan	\$21,788,954.49	3.89%	2.18%	4.79%
71	Winnebago	Metropolitan	\$147,162,640.19	1.59%	1.79%	9.09%
72	Wood	Metropolitan	\$71,935,347.45	1.92%	2.11%	-3.31%

Figure A124. Wisconsin County Type

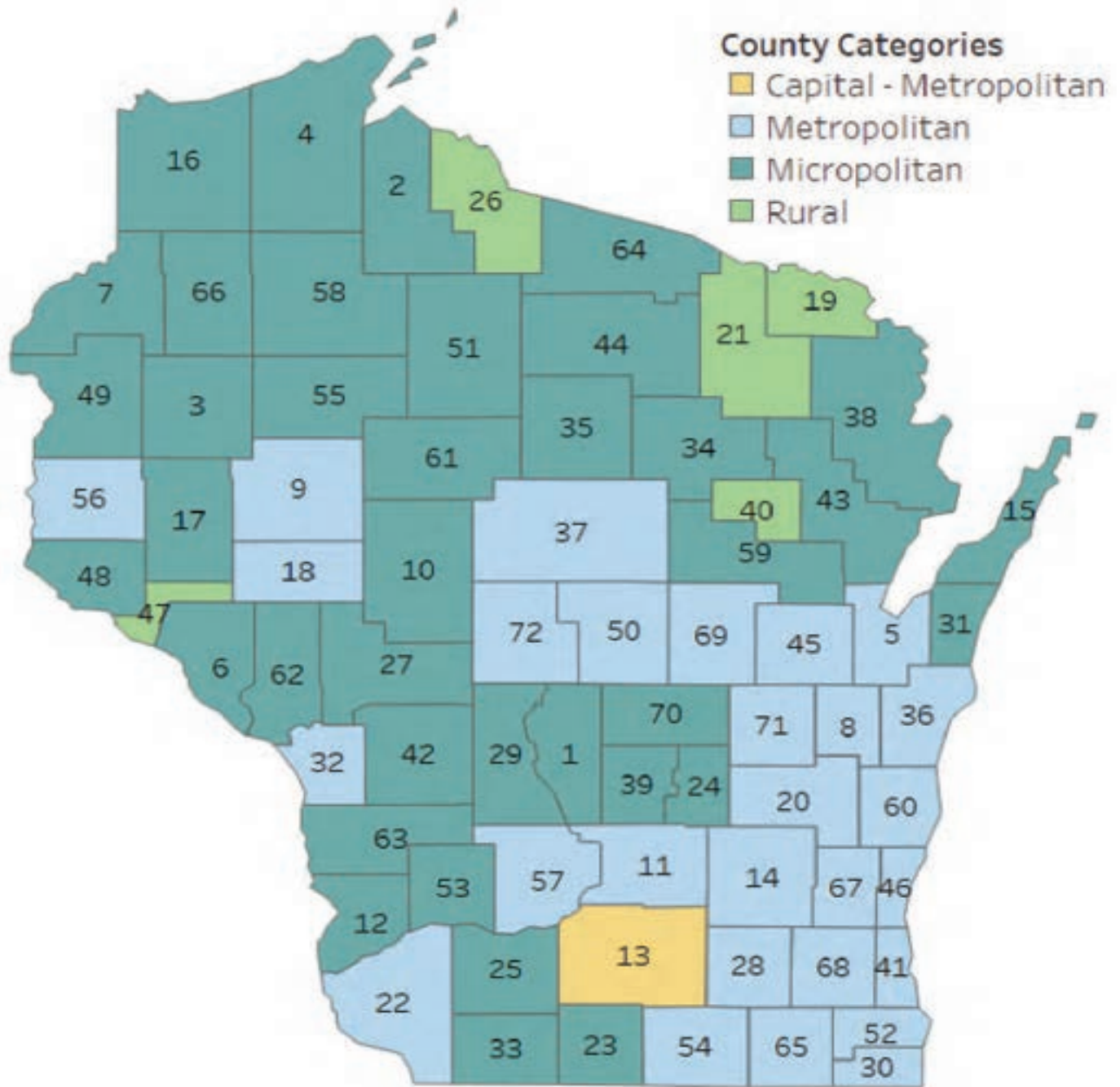


Figure A125. Wisconsin Pension Benefit Dollars as Share of County GDP

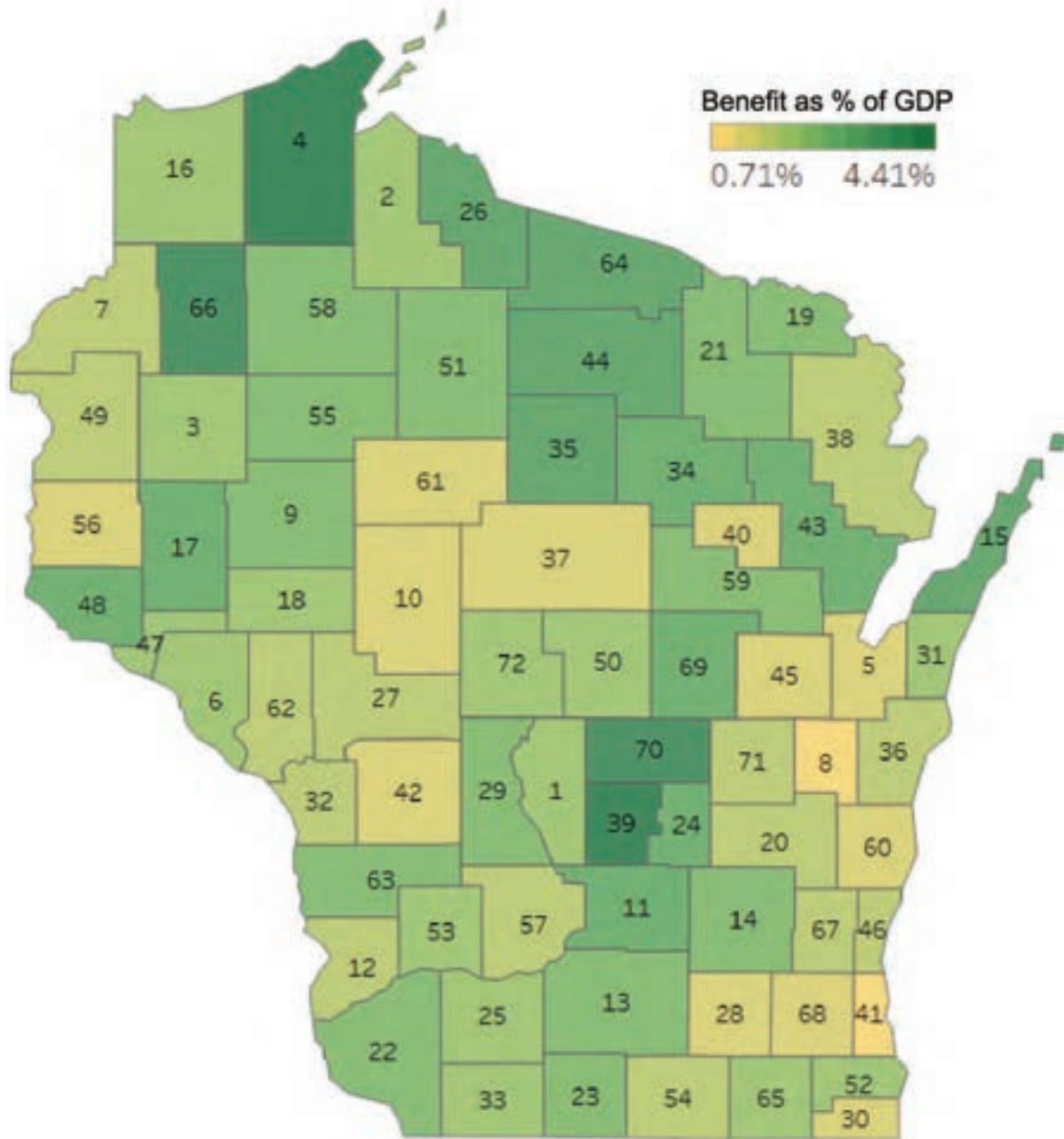
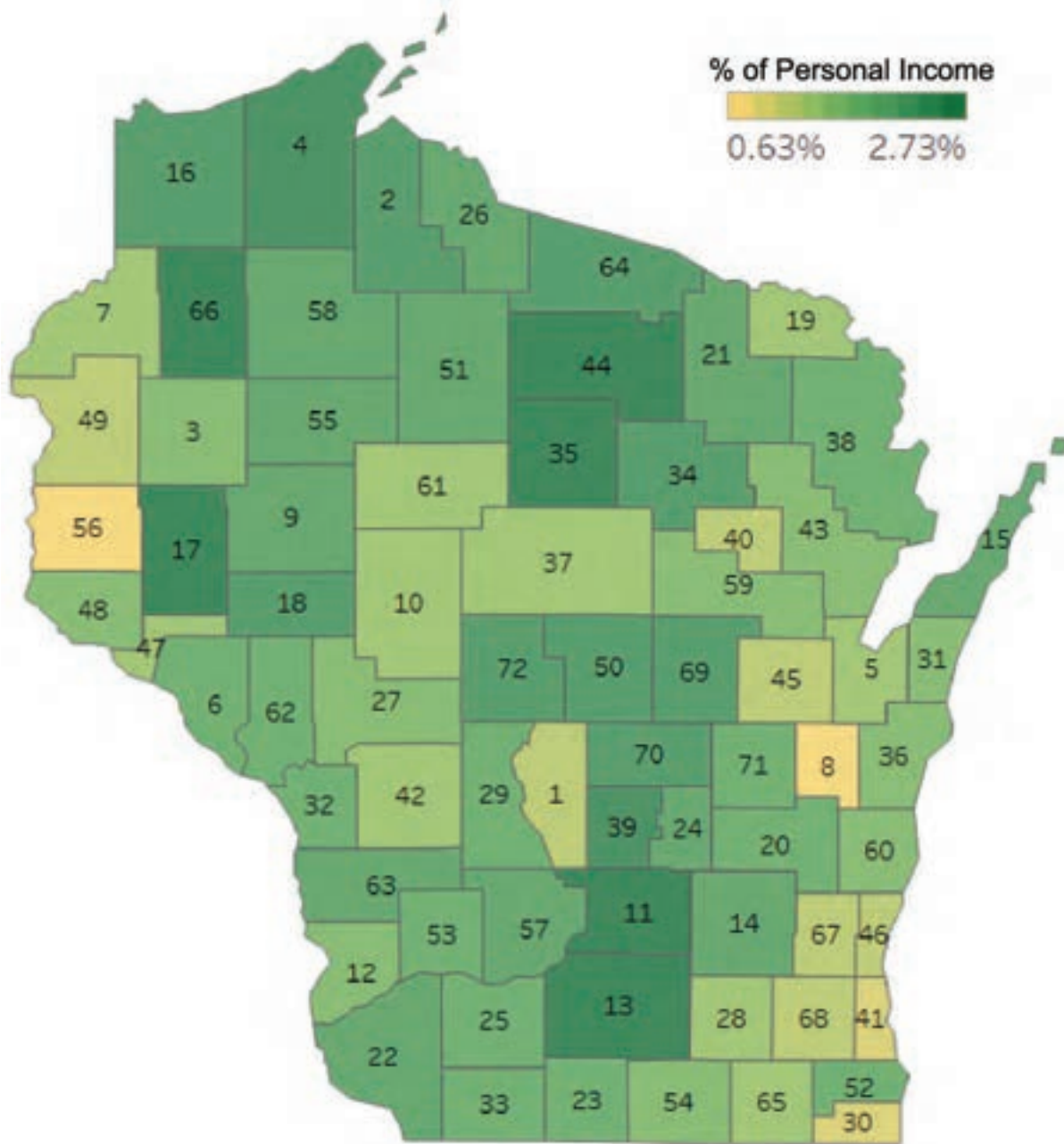


Figure A126. Wisconsin Pension Benefit Dollars as Share of County Total Personal Income



Overview

In Wisconsin, we received data from the Wisconsin Retirement System.

WYOMING

Fortifying Main Street:

The Economic Benefit of Public Pension Dollars in Rural America

Key Findings

Average percent of Gross Domestic Product (GDP) for each county type in the state:

- Capital: 2.3%
- Metropolitan: 1.2%
- Micropolitan: 1.1%
- Rural: 1.2%

Total average percent of GDP in the state: 1.3%

Average percent of Total Personal Income (TPI) for each county type in the state:

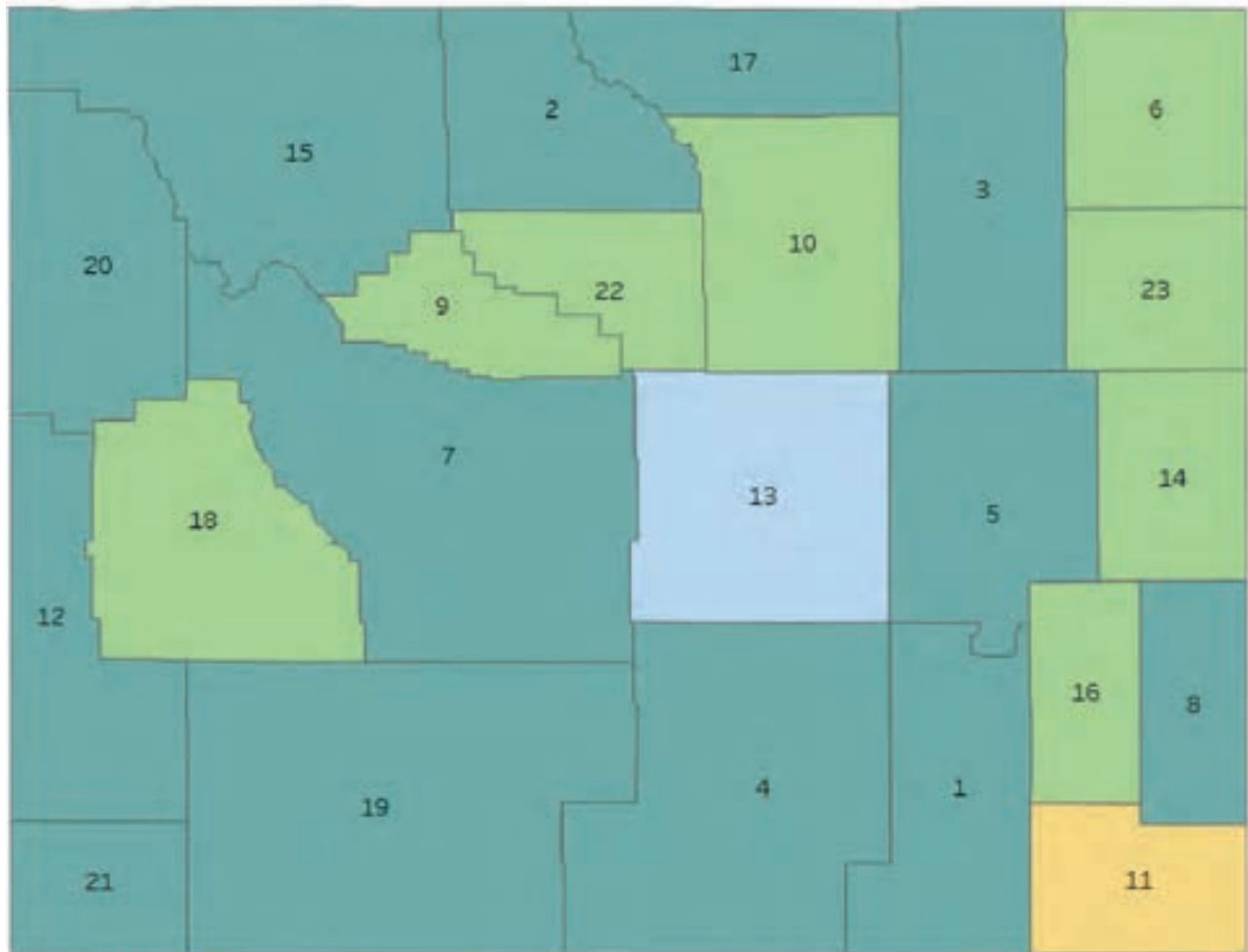
- Capital: 2.4%
- Metropolitan: 1.1%
- Micropolitan: 1.2%
- Rural: 1.7%

Total average percent of TPI in the state: 1.4%

Table A43. Wyoming County Data

No.	County Name	County Type	2018 Pension Benefits	Benefits as a % of GDP	Benefits as a % of Total Personal Income	Population Change (2000 vs 2018)
1	Albany	Micropolitan	\$42,141,718.16	2.99%	2.70%	20.58%
2	BigHorn	Micropolitan	\$10,631,430.78	2.11%	2.42%	3.66%
3	Campbell	Micropolitan	\$26,555,924.69	0.43%	1.09%	36.92%
4	Carbon	Micropolitan	\$12,736,433.19	0.96%	1.46%	-4.27%
5	Converse	Micropolitan	\$9,568,292.53	0.64%	1.28%	13.18%
6	Crook	Rural	\$5,545,478.26	1.80%	1.62%	26.55%
7	Fremont	Micropolitan	\$40,935,376.17	2.56%	2.37%	10.41%
8	Goshen	Micropolitan	\$12,762,077.80	2.11%	2.20%	6.68%
9	HotSprings	Rural	\$4,844,158.43	1.97%	1.93%	-6.70%
10	Johnson	Rural	\$8,816,901.84	2.01%	2.03%	19.58%
11	Laramie (Capital)	Metropolitan	\$121,297,754.86	2.32%	2.36%	21.28%
12	Lincoln	Micropolitan	\$12,984,225.33	1.64%	1.55%	33.36%
13	Natrona	Metropolitan	\$60,423,485.84	1.17%	1.10%	18.91%
14	Niobrara	Rural	\$2,692,796.98	2.04%	2.20%	-0.79%
15	Park	Micropolitan	\$22,384,068.03	1.66%	1.41%	13.72%
16	Platte	Rural	\$7,873,164.27	1.47%	1.90%	-2.74%
17	Sheridan	Micropolitan	\$27,493,949.44	2.20%	1.56%	13.83%
18	Sublette	Rural	\$5,636,537.90	0.33%	1.12%	65.76%
19	Sweetwater	Micropolitan	\$29,578,018.88	0.77%	1.29%	14.46%
20	Teton	Micropolitan	\$7,816,445.24	0.36%	0.13%	26.46%
21	Uinta	Micropolitan	\$12,244,400.73	1.35%	1.50%	2.82%
22	Washakie	Rural	\$6,212,941.08	1.73%	1.64%	-4.87%
23	Weston	Rural	\$6,005,344.32	1.90%	1.93%	4.86%

Figure A127. Wyoming County Type



- County Categories**
- Capital - Metropolitan
 - Metropolitan
 - Micropolitan
 - Rural

Figure A128. Wyoming Pension Benefit Dollars as Share of County GDP

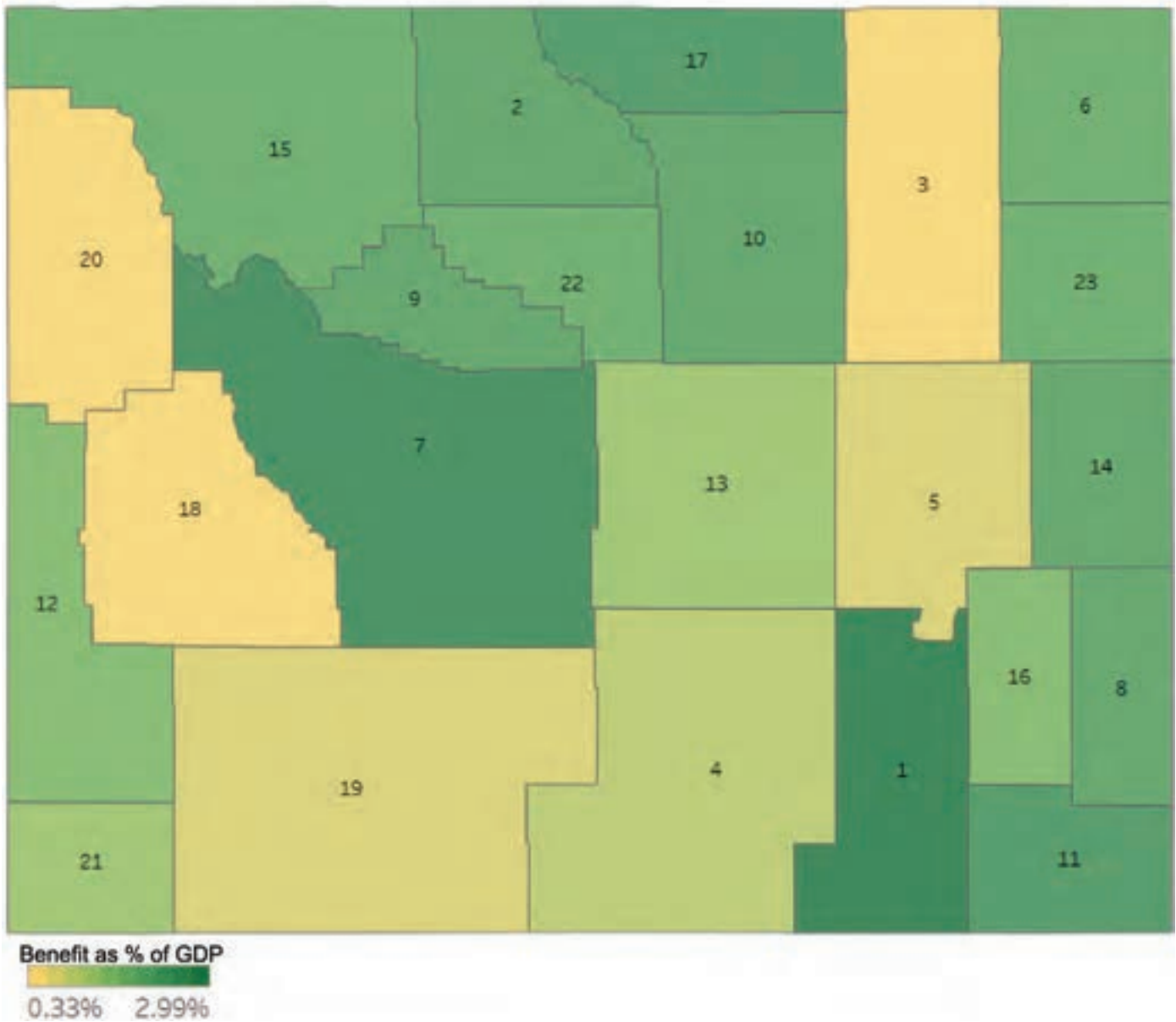
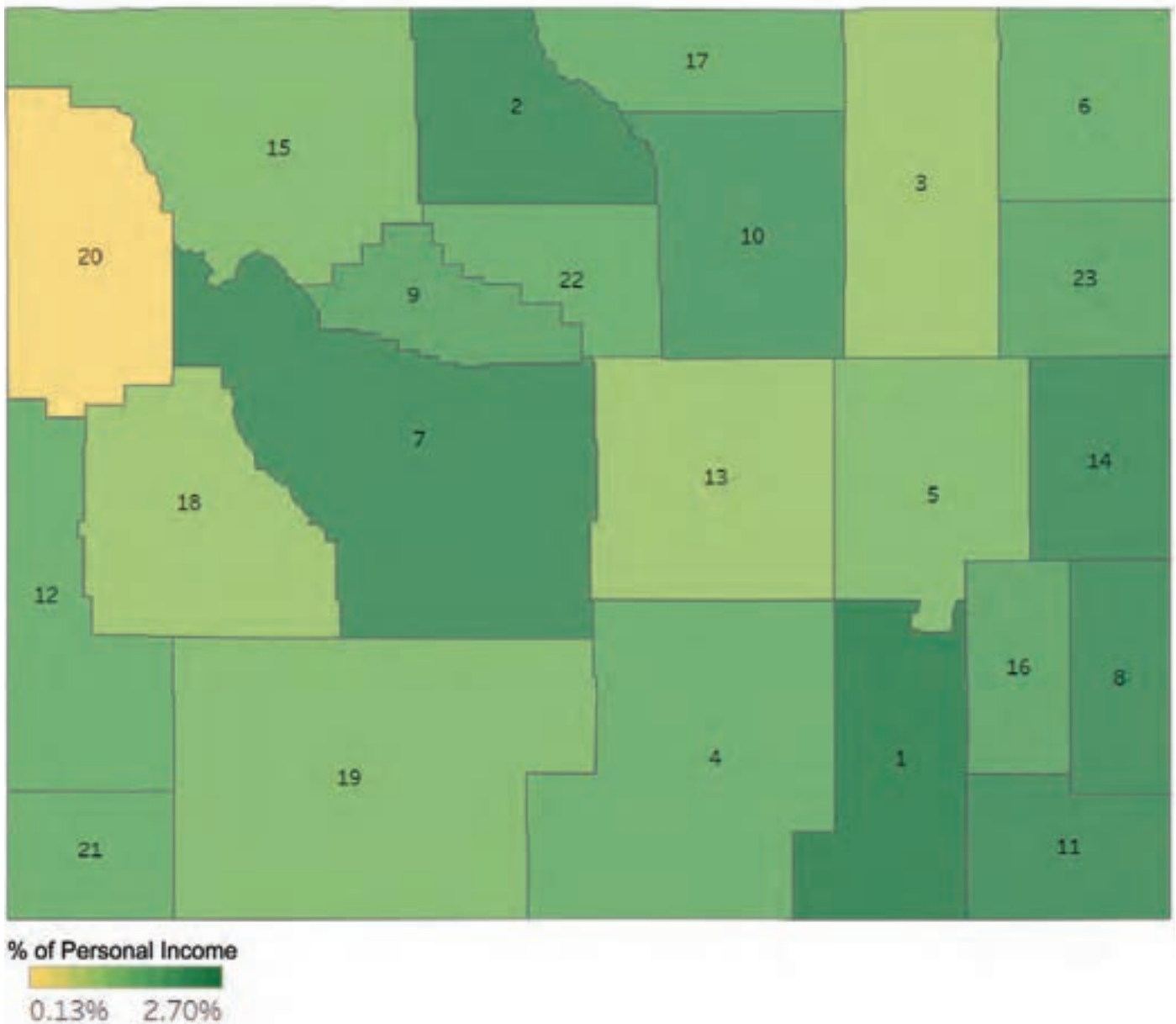


Figure A129. Wyoming Pension Benefit Dollars as Share of County Total Personal Income



Overview

In Wyoming, we received data from the Wyoming Retirement System.

Table 44. State Data Capture Rates

State	Census Bureau: 2018 Pension Benefit Payments (in thousands)	Census Bureau: 2018 Pension Benefit Payees	Data Received: Total Amount of Pension Benefits (in thousands)	Data Received: Total Number of Benefit Recipients	Percentage of Payments Captured	Percentage of People Captured
Alabama	\$3,584,828	154,122	\$3,026,592	140,833	84.43%	91.38%
Arkansas	\$1,988,733	102,623	\$1,560,126	78,934	78.45%	76.92%
California	\$54,684,659	1,458,658	\$35,369,536	908,072	64.68%	62.25%
Colorado	\$5,197,377	146,157	\$4,304,219	111,908	82.82%	76.57%
Florida	\$12,013,991	490,667	\$7,885,305	362,276	65.63%	73.83%
Georgia	\$7,624,307	275,086	\$5,596,225	181,736	73.40%	66.07%
Hawaii	\$1,395,676	48,563	\$1,278,278	45,231	91.59%	93.14%
Idaho	\$906,905	52,332	\$788,969	41,819	87.00%	79.91%
Illinois	\$19,846,770	527,973	\$9,255,081	291,031	46.63%	55.12%
Indiana	\$2,688,890	158,653	\$1,764,401	137,357	65.62%	86.58%
Iowa	\$2,263,672	126,165	\$2,014,491	113,488	88.99%	89.95%
Kansas	\$1,829,330	105,449	\$1,537,487	88,857	84.05%	84.27%
Kentucky	\$4,176,463	175,444	\$3,782,926	154,356	90.58%	87.98%
Louisiana	\$4,532,949	189,153	\$2,997,144	114,304	66.12%	60.43%
Maine	\$946,934	45,287	\$841,683	36,523	88.89%	80.65%
Maryland	\$5,431,315	212,640	\$2,894,125	117,660	53.29%	55.33%
Michigan	\$8,939,223	388,117	\$5,692,305	282,680	63.68%	72.83%
Minnesota	\$4,979,363	230,438	\$4,415,601	202,991	88.68%	88.09%
Mississippi	\$2,676,744	107,599	\$2,539,847	99,900	94.89%	92.84%
Missouri	\$5,270,982	227,715	\$3,895,411	164,843	73.90%	72.39%
Nebraska	\$1,015,368	40,027	\$690,002	29,079	67.96%	72.65%
Nevada	\$2,426,131	67,163	\$2,006,500	51,385	82.70%	76.51%
New Hampshire	\$769,137	42,625	\$592,542	29,903	77.04%	70.15%
New Mexico	\$2,237,114	90,097	\$1,945,577	76,928	86.97%	85.38%
New York	\$32,258,872	974,194	\$22,293,978	704,719	69.11%	72.34%
North Dakota	\$417,269	22,103	\$341,498	16,031	81.84%	72.53%
Ohio	\$15,591,383	479,326	\$12,412,200	387,633	79.61%	80.87%
Oklahoma	\$2,501,031	127,068	\$1,881,505	93,771	75.23%	73.80%
Oregon	\$5,366,147	153,177	\$4,084,304	125,531	76.11%	81.95%
Pennsylvania	\$11,580,247	444,709	\$9,267,926	330,958	80.03%	74.42%
Rhode Island	\$1,209,134	35,866	\$773,794	23,892	64.00%	66.61%
South Carolina	\$3,861,478	165,517	\$3,756,040	162,287	97.27%	98.05%
South Dakota	\$575,017	29,210	\$461,620	23,568	80.28%	80.68%
Tennessee	\$3,307,452	189,885	\$2,330,975	127,678	70.48%	67.24%
Texas	\$17,522,383	732,284	\$14,386,063	574,982	82.10%	78.52%
Utah	\$1,590,087	66,057	\$1,519,891	60,363	95.59%	91.38%
Vermont	\$362,192	20,706	\$271,452	14,266	74.95%	68.90%
Virginia	\$5,942,560	261,927	\$3,853,225	199,052	64.84%	76.00%
Washington State	\$4,560,703	199,853	\$3,811,129	169,101	83.56%	84.61%
West Virginia	\$1,353,750	68,723	\$1,209,804	58,160	89.37%	84.63%
Wisconsin	\$5,822,553	225,857	\$4,690,047	179,410	80.55%	79.44%
Wyoming	\$584,067	30,214	\$497,180	23,556	85.12%	77.96%

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Through our activities, NIRS seeks to encourage the development of public policies that enhance retirement security in America. Our vision is one of a retirement system that simultaneously meets the needs of employers, employees, and the public interest. That is, one where:

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