State Pension Contributions and Their Impact on State Budgets

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INTRODUCTION & BACKGROUND

Despite much of the political rhetoric pointing towards insufficient funds allocated to education in the United States¹, education expenditures have increased dramatically over the last half-century. A 2014 Cato Institute report found that between 1970 and 2010, total inflation-adjusted costs associated with K-12 education increased approximately 190% from just under \$57,000 in 1970 to over \$164,000 for each graduating student in 2010.^{2,3} These trends continued through 2023 with education expenditures reaching 240% of 1970 levels in real terms.⁴ And while these costs have increased dramatically, overall student performance in math, reading and science have remained largely unchanged over this entire period⁵.

Most of this growth is tied to the explosion of administrator employee counts in school districts, not growing student counts. For example, between 2000-2019 while student and teacher counts grew by relatively modest rates of 7.6 and 8.7 percent respectively, the number of district administrators grew by a staggering *87.6 percent*.⁶

The salaries of these employees are carried by current budgets, but the costs of the benefits, while they are nominally also supposed to be borne by current budgets, are often pushed into the future. Just as consumers who borrow money using credit cards see their interest payments increasing over time, so do state and local governments that underfund public employee pensions see their pension contributions increasing over time.

For the vast majority of states, state employees have access to what are called "defined benefit" (DB) pension plans upon retirement. After serving for some pre-determined number of years based on individual state level requirements, an employee's benefit is determined by some formula typically involving the employee's age, years of service, and salary in his or her final year of working.

A Hoover Institution Essay

November 2024

Consider the state of California for example. Suppose an employee is an elementary school principal at a medium-sized school with 35 years of service making \$150,000 in their final year⁷, and who retires at the age of 65. This employee then receives a yearly pension benefit determined by the following calculation⁸:

Pension Benefit = Service Credit x Age Factor⁹ x Final Year Salary

= 35 years x 2.4% x \$150,000 = \$126,000.

This ultimately amounts to a state-funded pension benefit of \$126,000 per year plus retiree health benefits provided by the state, in addition to federal Medicare.¹⁰ The state also offers a yearly cost of living adjustment of 2 percent to each employee's pension benefits. Assuming this employee lives for another 20 years, the total benefit for this individual employee would amount undiscounted to approximately \$3,061,469 *excluding retiree healthcare benefits*. This is just the pension benefit *for one employee*.

Needless to say, these benefits can add up quite quickly, placing immense pressure on state budgets. A recent 2023 study found that as of 2022, state and local governments are struggling to manage the ever-increasing costs of public employee pensions generally, finding that state and local governments currently report an underfunding level of \$1.572 trillion for their pension systems across all public employees.

However, most states are severely underestimating their expenses by assuming that high investment returns will make up a great deal of their shortfalls, often using rates as high as 7.5 percent¹¹. For example, using an assumed investment rate of return of 7.5 percent, a state can say that a \$100,000 payment due in about 10 years' time is "fully funded" even with only having \$50,000 set aside today.¹² Using more realistic assumptions tied to the Treasury yield curve, the authors of the above study find that a more accurate approximation of the underfunding level is *\$5.120 trillion*.¹³

Due to these concerns, states have largely ignored the possibility of making major shifts away from DB plans and have instead attempted to offset some of the DB costs by increasing the contribution rates assigned to employees, school districts and to a lesser extent the state governments themselves. For example, in California the employee contribution rate increased from 8 percent of pay to 10.25 percent of pay from 2014 to 2024. During this same timeframe, the employer contribution rate increased from 8.25 percent of pay to 19.10 percent of pay. The state government's own contribution rate sits at 8.328 percent, and this may only increase at most 0.50 percent year-to-year.¹⁴ Without such contribution increases, which are largely passed along to school districts, the unfunded liability would continue to grow even faster.

With this in mind, this report aims to give a snapshot of the implications of these dynamics for district-level education expenditures. More specifically, how much are these increasing

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expectations on districts and states consuming school budgets and potentially eroding other forms of education spending? For the purposes of this report, we look at the changes in pension contributions as a percentage of relevant education expenditures in Massachusetts, California, Florida, Georgia, Florida, Texas, and Minnesota from 2015-2022.

DATA SOURCES

To estimate the extent to which the composition of education expenditures has changed over this period, we rely primarily on three sources: (1) GASB 68 reports, GASB 67 reports, and finally (3) the yearly NCES Local Education Agency finances survey.

GASB 68 reports became a requirement for state and local pension systems with the intended purpose of showing just how much each district contributes to the state pension system. These contribution amounts are often provided in the aggregate without separating district versus state contributions.

To apportion contributions to districts versus the state, we rely on the GASB 67 reports which provide financial data at the level of the pension system on a yearly basis. We then apply those proportions to the district-by-district contribution totals listed in GASB 68 reports to determine the breakdown of state versus district level funds for each district.

This assumption of homogenous contribution proportions between states and districts only holds insofar as the contribution rates are consistently applied across the states and districts. For the six states studied for this report, we have verified that this is the case.

Finally, we leverage the yearly NCES Local Education Agency finances surveys to determine the change in proportions of contributions to the total expenditures associated with the relevant employee categories that are covered by each state's respective teacher's retirement system. This step addresses the fact that each state covers different employees within its retirement system for teachers. To ensure that all potential contribution categories are included, we determine each state's membership criteria, and then include those categories in the total expenditure category as the denominator when determining the total proportion pension contributions encompassed over the period from 2015-2022. For example, California's school maintenance workers are covered by California's Public Employees Retirement System. As such, we adjusted the variables included in the total expenditures calculation depending on the employees included in each state's teacher's retirement system. For a full description of each state and each variable included by state, see Appendix A.

PENSION CONTRIBUTION RESULTS

Across the six states studied, we found increases in both state and district contributions as a percentage of relevant expenditures across the 6-states studied. However, we document significant heterogeneity across states (see Table 1). The changes were primarily concentrated in Massachusetts, California, Georgia, and to a lesser extent Florida.

For the purposes of our analysis, we do not analyze changes to employee contributions, as our focus is on the fiscal health of district and state budgets. Insofar as spending on the district and state contributions increases, there is less money available for other services from these respective budgets.

TABLE 1PENSION CONTRIBUTIONS AS A SHARE OF EXPENDITURES AT DIFFERENT LEVELS IN2022 AND CHANGES FROM 2015-2022

2022 Unweighted Levels (%)			Unweighte	Unweighted 2015-2022 Change (%)		
District	State	Total	District	State	Total	
6.38%	1.49%	7.47%	1.90%	0.55%	2.20%	
0.00%	14.10%	14.10%	0.00%	4.90%	4.90%	
5.00%	4.24%	8.20%	1.82%	2.56%	3.36%	
9.13%	0.02%	9.25%	2.16%	-0.02%	2.22%	
5.95%	0.00%	5.95%	1.71%	0.00%	1.71%	
1.41%	1.21%	2.62%	0.50%	0.16%	0.65%	
4.93%	0.32%	4.72%	0.55%	-0.14%	0.39%	
	District 6.38% 0.00% 5.00% 9.13% 5.95% 1.41%	DistrictState6.38%1.49%0.00%14.10%5.00%4.24%9.13%0.02%5.95%0.00%1.41%1.21%	DistrictStateTotal6.38%1.49%7.47%0.00%14.10%14.10%5.00%4.24%8.20%9.13%0.02%9.25%5.95%0.00%5.95%1.41%1.21%2.62%	DistrictStateTotalDistrict6.38%1.49%7.47%1.90%0.00%14.10%14.10%0.00%5.00%4.24%8.20%1.82%9.13%0.02%9.25%2.16%5.95%0.00%5.95%1.71%1.41%1.21%2.62%0.50%	DistrictStateTotalDistrictState6.38%1.49%7.47%1.90%0.55%0.00%14.10%14.10%0.00%4.90%5.00%4.24%8.20%1.82%2.56%9.13%0.02%9.25%2.16%-0.02%5.95%0.00%5.95%1.71%0.00%1.41%1.21%2.62%0.50%0.16%	

Note: (i) Florida state does not provide state funds toward their retirement system, and thus the entire change occurs on the district level. (ii) Massachusetts' state government provides contributions on behalf of districts, and thus we classified these contributions as "state contributions".



– – District Contributions

District Contributions (Weighed)

– – Total Contributions

Total Contributions (Weighted)

Figures 1-6 State-by-State Weighted and Unweighted Averages of Contributions as a Percentage of Associated Education Expenditures, 2015-2022

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--- State Contributions (Weighted)

State Contributions

Massachusetts

Massachusetts saw the largest increase in requirements on part of states to contribute to the state pension fund over the period studied (almost a 5-percentage point increase - see Figure 1).

Massachusetts unlike the other five states has the state government provide pension contributions on behalf of districts in their entirety. Thus, while Massachusetts's GASB 68 reports do provide district-level contribution amounts, these contributions are not coming out of district-level budgets but instead are coming from the state.

<u>California</u>

California similarly saw significant increases to pension contributions as a percentage of total spending on its education system (a 3.4 percentage point increase); however, unlike Massachusetts, the distribution of this increase was similar between its state and district contributions (see Figure 2). This in large part has to do with decisions on part the California state government passing bills such as Senate Bill (SB) 90 in 2019 and the 2019-2020 Budget Act – two policy decisions that increased the availability of state funds in for public employee pensions.¹⁵ More specifically, SB 90 allocated additional state funds to the state's retirement systems (i.e., \$2.25 billion to CalSTRS and \$3.5 billion to CalPERS) and the 2019-2020 Budget Act allocated an additional \$3.15-billion of state funds to state retirement systems (n.b., \$1.64 billion for CalSTRS and \$660 million for CalPERS) to reduce pension obligations for school districts.¹⁶

<u>Georgia</u>

Georgia like California and Massachusetts saw an increase in their pension contributions as a percentage of total relevant education expenditures; however, this increase was entirely driven by their district level spending pension increases (i.e., a 2.2 percentage-point increase from 2015-2022). State contributions as a percentage of education expenditures actually fell during this period studied (see Figure 3).

<u>Florida</u>

Unlike other states, Florida's state government does not contribute to its state pension system. Thus, while Florida saw a modest increase in the level of pension contribution spending as a proportion of total relevant education expenditures, this was entirely on the district level (i.e., a 0.71 percentage increase) (see Figure 4).

Texas

Texas saw modest increases to both state and district level proportions of pension contributions as a percentage of relevant education expenditures, equating to a 0.65 percentage point increase from 2015-2022 (see Figure 5).

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<u>Minnesota</u>

Finally, Minnesota saw the most modest changes over the period studied. While district level contributions increased by 0.55 percentage points, state contributions fell by 0.14 percentage points (see Figure 6).

ARE THE CONTRIBUTIONS FIXING THE PROBLEM?

Are these pension contributions sufficient to improve the funding of the teachers' retirement systems, or would much higher contributions be needed to do so in the absence of benefit reform? We analyze retirement system level ratios – both the ratio directly reported in retirement system GASB 67 reports and the ratio ascertained through using more realistic investment assumptions – and we find almost no change to the funding ratios across the six states from 2015-2022.¹⁷

Despite the increase in contributions across the six states over the years studied, funding ratios remained largely unchanged. Thus, even though Massachusetts increased its contributions by 5 percentage points, the funding ratio just under 60 percent or around 40 percent using the stated funding ratio and market value funding ratios, respectively.





Sources: GASB 67, authors' calculations. Note: "Reported Funding Ratio" is the funding level based on the liability and assets figures reported in the GASB 67 reports.



Figure 8 State-by-State Market Value Funding Ratio, 2015-2022

POLICY IMPLICATIONS

We have shown that despite significant contribution increases on the part of districts and states in funding their retirement systems, the funding of these systems has failed to improve, pointing to the need for changes to benefits to ensure that the burden of funding public employee retirement is bearable without crowding out other public spending._Government money devoted to pension contributions is of course taxpayer money that could be used for other purposes.

Consider a basic example using the five-percentage point change in Massachusetts from 2015-2022. Suppose a hypothetical state has a budget for education expenditures that totals \$15 billion, and pension contributions make up approximately 10 percent of this total, equating to \$1.5 billion per year in contributions to the State Teacher's Retirement System ("STRS") only. Suppose that over a 7-year period, this percentage climbs to 15 percent, increasing the annual amount of money dedicated to the STRS by \$750 million.

This therefore means the state has \$750 million per year less to dedicate to important expenditures such as salaries for new teachers, assorted classroom resources, or additional support services such as counselors, technicians, or librarians.

State budgets are of course often not operating using a yearly fixed number as this example implicates. Yearly state revenue expectations also play an important role in determining the extent to which states and districts are fiscally constrained. State revenues have continued to increase (Table 2) over the period studied, but of course that does not mean such increases will necessarily continue and be sustained in the future.

TOTAL CONTRIBUTIONS PP (\$)							
Year	Massachusetts	California	Georgia	Florida	Texas	Minnesota	
2015	\$1,124.6	\$408.9	\$648.0	\$321.4	\$171.4	\$352.6	
2016	\$1,231.9	\$511.1	\$709.5	\$296.6	\$175.5	\$369.7	
2017	\$1,351.6	\$615.4	\$740.7	\$309.1	\$180.8	\$373.2	
2018	\$1,449.7	\$711.6	\$896.6	\$329.9	\$188.4	\$403.4	
2019	\$1,598.6	\$910.4	\$1,126.6	\$352.0	\$198.0	\$425.4	
2020	\$1,719.1	\$963.1	\$1,216.7	\$368.4	\$231.4	\$441.7	
2021	\$2,014.9	\$966.2	\$1,130.8	\$469.4	\$252.5	\$474.9	
2022	\$2,354.3	\$1,095.9	\$1,227.5	\$517.8	\$306.7	\$511.4	

Source: NCES Local Education Agency Survey.

	TOTAL REVENUES PP (\$)						
Year	Massachusetts	California	Georgia	Florida	Texas	Minnesota	
2015	\$18,960.6	\$14,844.3	\$10,884.2	\$9,943.0	\$13,729.5	\$13,787.7	
2016	\$19,172.8	\$16,684.5	\$11,195.2	\$10,449.3	\$13,787.7	\$14,540.7	
2017	\$20,201.2	\$17,130.8	\$11,814.2	\$10,403.9	\$13,506.1	\$14,740.2	
2018	\$21,073.3	\$17,739.6	\$12,452.2	\$10,800.8	\$14,035.8	\$15,746.5	
2019	\$19,861.0	\$20,722.0	\$13,005.3	\$11,382.4	\$15,123.2	\$16,119.1	
2020	\$20,381.6	\$19,944.0	\$13,722.4	\$11,541.7	\$16,313.4	\$16,597.7	
2021	\$22,720.6	\$23,057.9	\$14,973.4	\$12,323.1	\$15,951.9	\$17,659.3	
2022	\$22,915.4	\$24,862.1	\$16,880.7	\$12,980.0	\$17,241.2	\$18,368.3	

TABLE 2BState-by-State Total Contributions Per Pupil (PP) and Total Revenues PP, 2015-2022

Source: NCES Local Education Agency Survey.

Note: Revenue figures indicate all district level revenues coming from the state, local, and federal sources.

TABLE 2C	State-by-State Total	Contributions Per Pupil and To	tal Revenues Per Pupil, 2015-2022
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PERCENT CHANGE IN TOTAL CONTRIBUTIONS PP AND TOTAL REVENUES PP, 2015-2022						
Variable	Massachusetts	California	Georgia	Florida	Texas	Minnesota
Contributions PP	109.4%	168.0%	89.4%	61.1%	78.9%	45.1%
Revenues PP	20.9%	67.5%	55.1%	30.5%	25.6%	33.2%

Source: NCES Local Education Agency Survey.

Note: Revenue figures indicate all district level revenues coming from the state, local, and federal sources.

At present, most other expenditures outside of pension contributions have been able to continue increasing alongside pension contributions (albeit at a slower pace), but what happens if state revenues grow slower than inflation or even fall?

A recent report from the National Association of State Budget Officers ("NASBO") has found that in fiscal year 2025 total general fund spending is anticipated to fall by more than \$1.2 trillion, which equates to a 6 percent drop from 2024 levels.¹⁸ The growth in spending over the last few years, as the report explains, was driven in large part by "one-time expenditures of surplus funds" due to pandemic-related funds.¹⁹ As of 2023 Q1, there are already signs that this is the case. By the end of 2023 Q1, there were three straight quarters of declines in state tax revenues.²⁰ With pension contributions growing at a faster rate than tax revenues (Table 2), it stands to reason that ultimately this will become a bigger problem in the near future.

Insofar as cuts to spending are necessary, pension benefits are often a highly restricted margin of adjustment. In every state across the country, there are protections – most typically through common law – that protect pension benefits against legislative action.²¹ Some states even have pension benefits protected through their state constitutions (e.g., Illinois, Michigan, Louisiana, and New York).²²

To put into perspective how effective these protections can prove, consider the Detroit's 2013 bankruptcy, which was driven in large part by the city's pension system's underfunding.²³ Despite Michigan having constitutional protections for pension benefits, a judge ultimately ruled that pensioners were expected to experience *some* loss in their benefits to place Detroit back on a more sustainable fiscal track; however, the cuts pensioners were expected to take paled in comparison to those expected on part of bondholders. While pensioners ultimately incurred what amounted to a 4.5 percent haircut to their benefits, bondholders lost as much as 66 *percent* of their investments.²⁴

Absent significant changes to the structure of these pension obligations, this problem will only become much worse, particularly in a situation in which states lack the revenues to cover the increases expected increases in pension contributions.

As such, we recommend the following policy changes for states facing these fiscal challenges:

i) Introduction of Defined Contribution (DC) or Hybrid Plans in Place of Defined Benefit Plans

A major weakness of DB plans as we discussed above is that the pension promises are often based on a formula determined by the number of years worked, the final year of an employee's salary, and the age of the retiree. DC plans (e.g., 401(k) plans) in contrast simply require an employer to contribute a percentage of an employee's salary that is set aside in an employee's account for once he or she retires. This is the beginning and end of expectations for the employer, an arrangement that makes contribution requirements much more predictable.

An additional added benefit of DC plans relative to DB plans is that the retirement benefits follow an employee if he or she decides to leave his or her place of work. Due to the structure of DB plans currently, to the extent an employee leaves relatively earlier in his or her tenure from the state's retirement system, they often lose most if not all their retirement benefits.²⁵

While not as common, significant numbers of public employees are at present already currently enrolled in DC plans, albeit in some cases supplemental to their DB pension. According to a 2024 Congressional Research Service report on American workers' retirement choices, researchers found that of the 39 percent of public employees who have access to a DC plan 18 percent of all public employees are currently enrolled.²⁶ Some cities have already begun introducing reforms to their pension systems, moving from DB to DC plans. Norfolk, VA, Baltimore, MD, Jacksonville, FL, Ann Arbor, MI, Fort Worth, TX, and Birmingham, AL are all key examples of states that have instituted DC plans and versions of them to manage their long-term retirement costs.²⁷

Political realities in most states are such that broadly speaking it is unlikely that they will shift entirely away from DB to DC plans at any point in the near future. A more realistic short-term remedy would be to encourage states to embrace a hybrid of DC and DB plans. For example, instead of a state like California offering a 2.4 percentage factor adjustment, the state could reduce this benefit factor to 1 percent in exchange for employers offering a higher DC contribution. This would be similar the reforms made to federal pensions when effective January 1987 new employees of the federal government were enrolled in the Federal Employee Retirement System (FERS) reduced-factor DB plan but also were enrolled in the new Thrift Savings Plan (TSP) that functions like a 401k.

Research has shown that workers often show a strong preference for DC plans relative to DB plans. A 1999 study showed that in the context of new hires at North Carolina State University, new employees tended to choose DC plans if they were concerned about losing their pension benefits in the event they left the university. ²⁸ A 2020 study finds that in the corporate sector, the gradual shift away from DB to DC plans could in part be explained by workers' preferences for greater flexibility.²⁹ Particularly among younger employees, recent survey-based research also finds a strong preference among public employees for DC plans over DB plans.³⁰

ii) Reducing Investment Return Expectations

As we mentioned earlier in the report, retirement systems often rely on high investment return assumptions to at least make it appear that pensioners are more adequately funded for the retirements. However, as explained earlier in the report, the degree to which they are unfunded is often much worse when using more realistic investment assumptions (i.e., \$1.5 versus \$5.2 trillion).

As such, we would strongly recommend pension funds reduce their expectations to more accurately capture their unfunded liabilities. While adopting the 10-year Treasury bond yield may be an unrealistic expectation to place on states, even simply adopting a blended risk investment approach (e.g., 50 percent of investments being placed in low-risk bond portfolio with an expected rate of return of 4 percent and 50 percent of investments being placed in a stock portfolio with an expected rate of return of 8 percent) is still much more manageable than the current approach.

Making seemingly small adjustments of this sort would allow states to more properly manage their state budgets and assess risk for the future.

iii) Cutting Investment Costs

Finally, pension funds face a decision between deciding to delegate their investment decisions to external investment managers (e.g., hedge funds), but decisions of this sort increase investment costs significantly.

Theoretically, doing so could yield better returns since these external managers could conceivably have better industry knowledge that makes the added costs worth the added returns to investment decisions.

However, evidence suggests this is not the case. A 2015 research paper examined different investment approaches among different pension funds with respect to real estate. Larger funds that relied on in-house investors versus external money managers saw much lower investment costs as well as higher returns than those funds which outsourced investment management.³¹

Pension systems should therefore look to keep their investment decisions in-house and focus on low-cost indexed investing in publicly traded securities rather than outsourcing those activities to expensive intermediaries.

CONCLUSION

From 2015-2022, pension contributions as a percentage of relevant education expenditures have increased significantly, increasing 2 percentage points across Massachusetts, California, Georgia, Florida, Texas, and Minnesota with significant heterogeneity at the state-level. The most sizable impacts occurred in Massachusetts, California, Georgia, and to a lesser extent Florida with Texas and Minnesota remaining relatively stable over the period studied.

Due to the structure of DB plans and the present state of state finances, this will certainly only get worse particularly in an economic environment in which state revenues are expected to decrease in the coming years. As pension contributions continue to grow as a share of expenditures, this will

almost certainly place pressure on states to cut funding elsewhere, which may ultimately hamper efforts to higher new teachers or purchase better resources for classrooms.

In order to get these costs under control, states must make significant policy adjustments to make retirement systems solvent for the long-run and to avoid bankruptcy events like those in Detroit and San Bernadino but on the state level.

We have provided several policy recommendations that could ameliorate these funds' current conditions: i) shift away from DB plans to DC plans, ii) reduce investment returns assumptions and finally iii) cut investment costs by relying on in-house money managers versus outsourcing those responsibilities to other managers like hedge funds. These policy changes would ultimately protect both public employees and taxpayers.

In future research, we hope to capture these changes for all 50 states to give a more comprehensive perspective on the current state of state-level finances and the extent to which pension contributions are impacting other spending priorities.

APPENDIX – EXPENDITURE ATTRIBUTION

For each retirement system, there are different types of employees covered by the relevant state teacher's pension system. This matters insofar as how much we can directly attribute to "Total Instruction Expenditures" (i.e., TCURINST in the NCES dataset), which only includes teachers' pension contributions, and how much may be drawn from other variables for other employee classifications in the NCES dataset. Failing to properly include the relevant employees' and their salaries and contributions will necessarily make the contribution percentage inflated if we only attribute these proportions to instruction spending alone.

For example, California's maintenance workers are covered by California's Public Employees Retirement System ("CalPERS") whereas in Georgia they are included in the Teachers' Retirement System. As such, we adjusted the variables included in the total expenditures calculation depending on the employees included in each state's teacher's retirement system.

For full transparency, we have included the relevant variables of interest, their definitions, and the specific variables we have included for each state based upon the definitions laid out in each state's respective description of employee membership criteria.

NCES Definitions for Relevant Variables

TCURELSC = Total Current Expenditures for Elementary / Secondary Education

(TCURINST + TCURSSVC + TCUROTH)

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- <u>TCURINST</u> Total Current Expenditures Instruction
- TCURSSVC Total Current Expenditures Support Services
 - o E17 Current Expenditures Support Services Pupils
 - o <u>E08</u> Current Expenditures Support Services General Administration
 - o E07 Current Expenditures Support Services Instructional Staff
 - o <u>E09</u> Current Expenditures Support Services School Administration
 - o <u>V40</u> Current Expenditures Support Services Ops & Maintenance Staff
 - <u>V45</u> Current Expenditures Support Services Student Transportation
 - $\circ \quad \underline{V90} Current \ Expenditures Support \ Services Business/Central/Other$
 - <u>V85</u> Current Expenditures Support Services Non-specified
- <u>TCUROTH</u> Total Expenditures Other Elementary / Secondary
 - E11 Current Expenditures Food Services
 - <u>V60</u> Enterprise Operations
 - V65 Current Expenditures Other Elementary/Secondary

TCURSSVC

- <u>E17</u> Expenditure for attendance record keeping, social work, student accounting, counseling, student appraisal, record maintenance, and placement services. This category also includes medical, dental, nursing, psychological, and speech services.
- <u>E08</u> Expenditure for board of education and executive administration (office of the superintendent) services.
- <u>E07</u> Expenditure for supervision and instruction service improvements; curriculum development; instructional staff training; and instructional support services, such as libraries, multimedia centers, and computer stations for students that are outside of the classroom.
- <u>E09</u> Expenditure for the office of the principal services.
- <u>V40</u> Expenditure for building services (heating, electricity, air conditioning, property insurance), care and upkeep of grounds and equipment, nonstudent transportation vehicle operation and maintenance, and security services.
- <u>V45</u> Expenditure for the transportation of public-school students, including vehicle operation, monitoring riders, and vehicle servicing and maintenance.
- <u>V90</u> Expenditure for business support, central support, and other support services. Business support services include payments for fiscal services (budgeting, receiving and disbursing funds, payroll, internal auditing, and accounting), purchasing, warehousing, supply distribution, printing, publishing, and duplicating services. Central support services include planning, research, development, and evaluation services. They also include

information services, staff services (recruitment, staff accounting, noninstructional inservice training, staff health services), and data processing services.

• <u>V85</u> – Expenditures that pertain to more than one of the above categories. In some cases, reporting units could not provide distinct expenditure amounts for each support services category. These expenditures are included in "non-specified" instead of "other support services."

<u>TCUROTH</u> – Current expenditure for other than instruction and support service activities. Included in this category are food services, enterprise operations, and other elementary/secondary current expenditure.

State-by-State Descriptions of Covered Employees

<u>California³²</u>

- Teachers
- Vocational or Guidance Counseling
- Services related to school curriculum development and a variety of administrative duties

Massachusetts³³

- Teachers
- School Psychologist
- School Adjustment Counselor
- School Social Workers
- Director of occupational guidance and placement
- Principal
- Assistant Principals
- Supervisor or superintendent of any public school
- Assistant superintendent
- Supervisor or teacher of adult civic education

<u>Georgia³⁴</u>

- Teachers
- Administrators
- Supervisors
- Clerks
- Teacher Aides
- Secretaries
- Paraprofessionals
- Public School Nurses
- Lunchroom workers

- Maintenance
- Warehouse and Transportation Managers
- Supervisors

<u>Florida</u>

Using Florida's GASB reports, we focused on the school board entities for each district. This meant the contribution totals were strictly focused on school board related employment for each district. As such, we included only those positions that were typical of school district employment. Those included the following³⁵:

- Teachers
- Classroom Assistants
- Administrative work
- Facilities
- Food Service
- Maintenance
- Nurses & Counselors
- Security
- Classroom Aides and Assistants
- Information Technology
- Transportation

<u>Texas³⁶</u>

• Definition is expansive in Texas and includes anyone employed full-time at a Texas public educational institution.

<u>Minnesota³⁷</u>

- Teachers
- Administrator
- Community Education Director
- Counselor
- Curriculum Writer
- Dean of Students
- Librarian
- Principal
- Psychologist
- Social Worker
- Substitute Teacher
- Superintendent
- Teacher and Tutor

Variables Included by State

<u>California</u>

TCURINST, E17, E08, E09

Massachusetts

TCURINST, E17, E08, E09

<u>Georgia</u>

TCURINST, E17, E08, E09, E11, V40, V45, V90

<u>Florida</u>

TCURINST, E17, E08, E09, E11, V40, V45, V90

<u>Minnesota</u>

TCURINST, E17, E08, E09

<u>Texas</u>

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