

Finance and Productivity Sources in Higher Education



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NCSL Financial Analysts Seminar

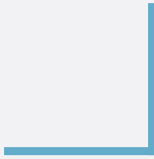


One of the **most important policy gaps** for public higher education is that state finance policy is **disconnected from public agenda goals** for higher education.





**These data will not always tell the whole story.
However, they can produce significant insight using
publicly-available sources.**



Types of public data sources

01 **NCES**
Data from the IPEDS surveys include element of institution-level finance, such as revenue, expenditures, and other details.

02 **U.S. Census Bureau**
Estimates from the American Community Survey can produce meaningful denominators for financial metrics.

03 **SHEEO**
The annual State Higher Education Finance (SHEF) report produces reports on funding and enrollment trends by state.

04 **Other Groups**
Sources such as the NSF's WebCASPAR or groups like TICAS provide additional elements in specific areas of higher ed.



Types of Analyses

Appropriations

State and Local funding, other sources of public funds.

Financial Aid

Pell-Grants, average aid awards, student debt.

Sources of \$

Student-based, state-based, federal aid, etc.

Affordability

Funding per FTE, family share, net cost against MFI.

Productivity

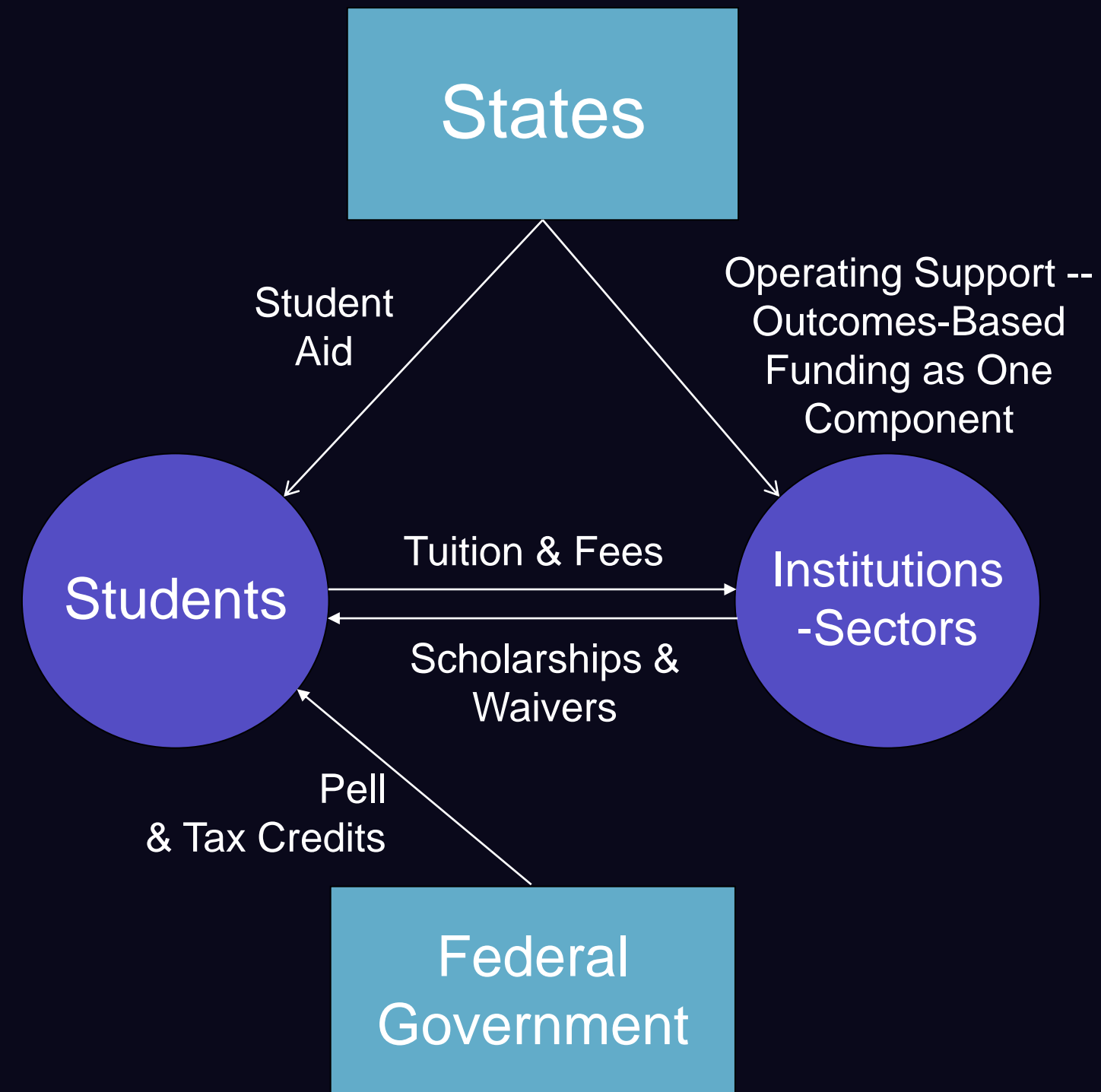
Awards per 100 FTE, credentials and total funding.

Expenditures

E&R expenditures, operations, and other institutional costs.



The Elements of Finance Policy



Elements of Financing Strategy

Appropriations to Institutions

Operating and capital, though sources for capital are publicly non-existent.

Tuition Revenue

Tuition and Fees from students into the institution / sector levels.

Student Financial Aid

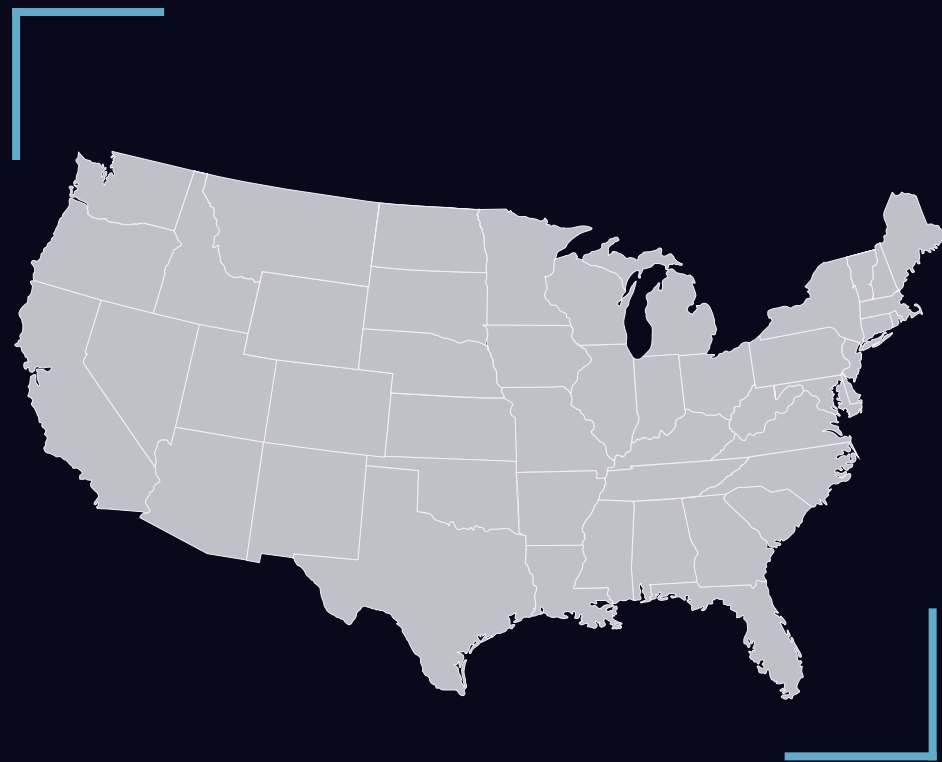
Originating from both states as well as from federal government sources.

Institutional Productivity

The extent to which institutions are meeting degree completion and other goals.



State-Level Comparison



Making interstate comparisons on a variety of higher education finance topics can occur from various publicly-available databases.

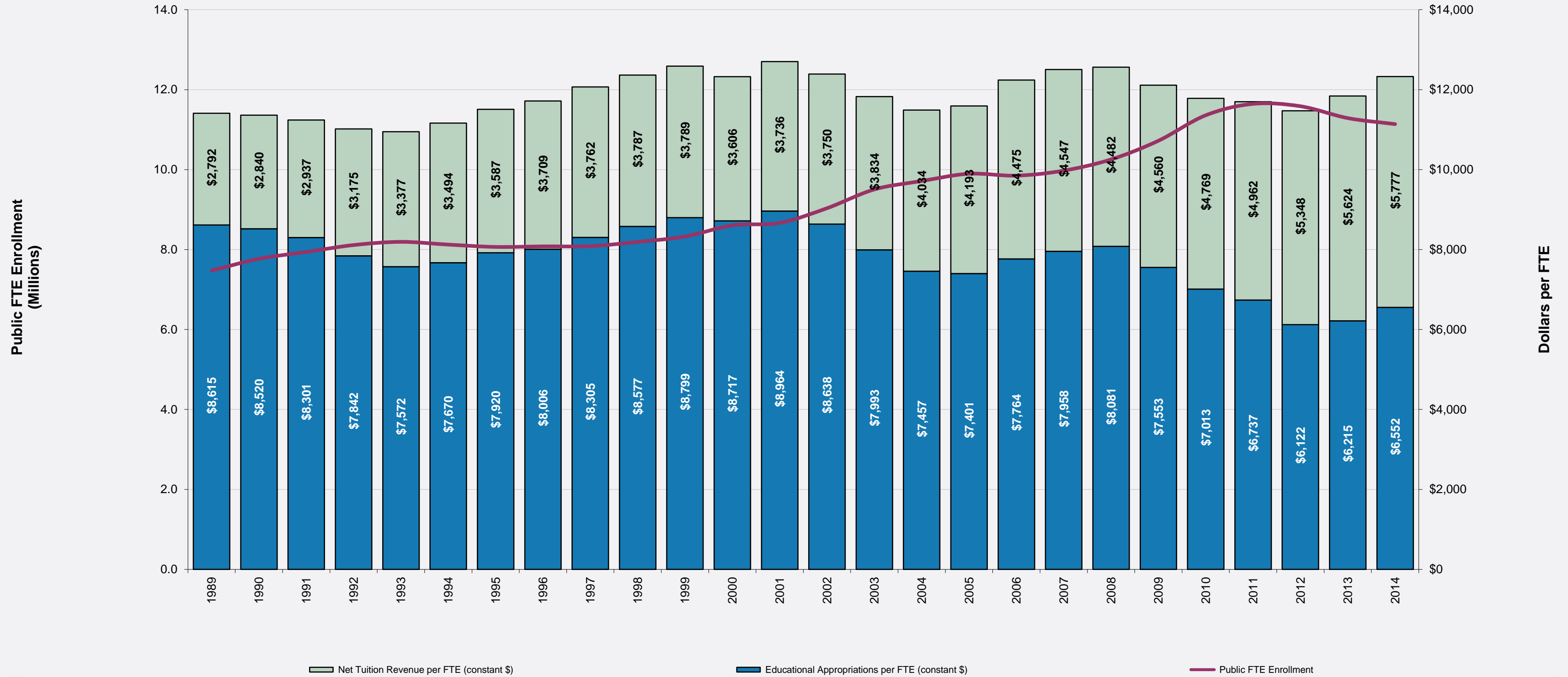
(and they tell some interesting stories)



State Tax Capacity & Effort Indexed to US avg., 2011

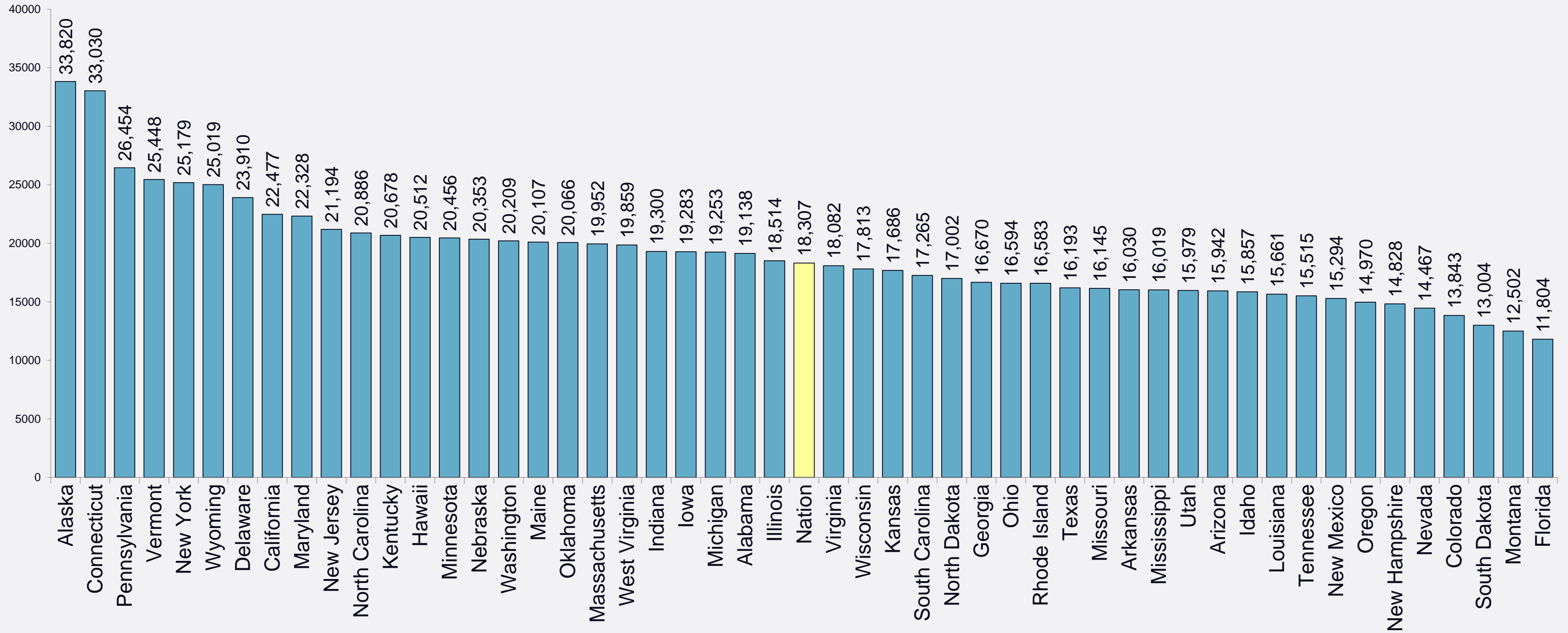


Public FTE Enrollment, Ed. Appropriations, and Total Ed. Revenue per FTE United States, Fiscal 1989-2014

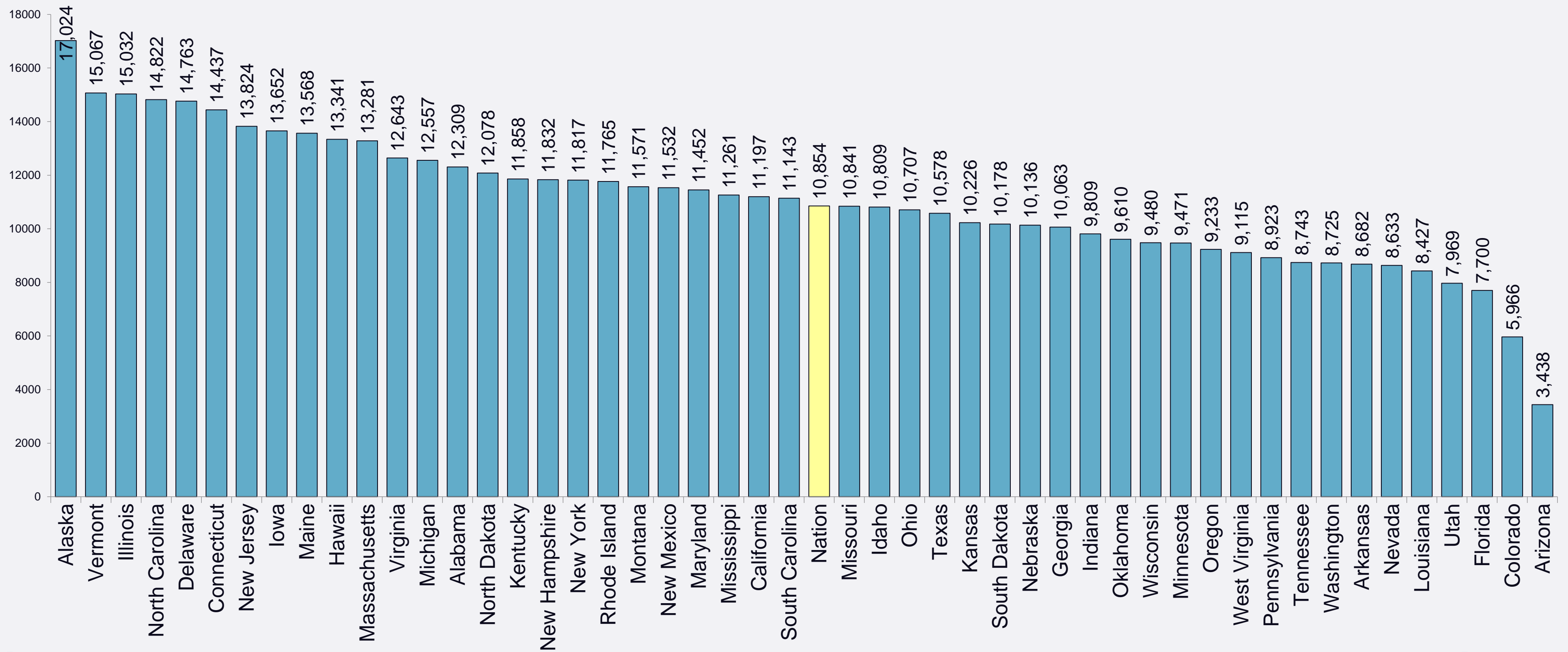


Note: Constant 2014 dollars adjusted by SHEEO Higher Education Cost Adjustment. Educational Appropriations include ARRA funds. (HECA)
Source: SHEEO

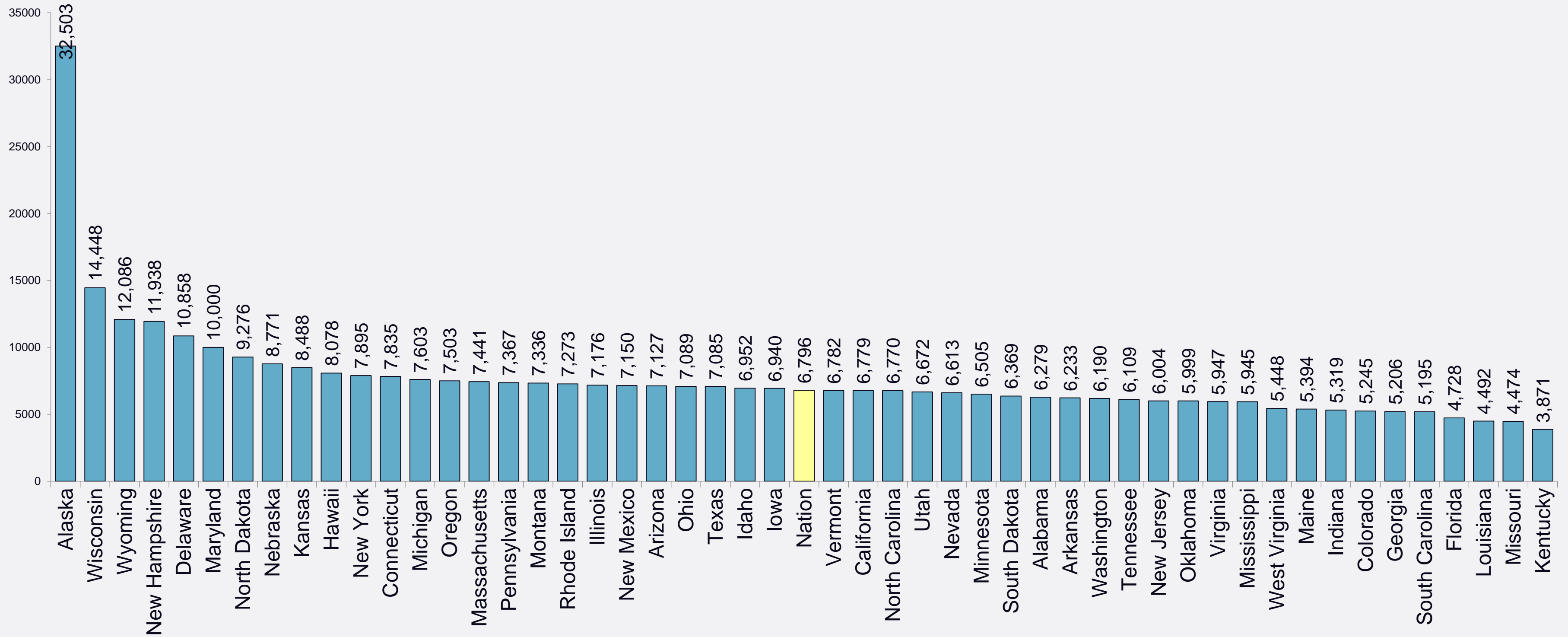
Funding per FTE Student Public Research, 2013



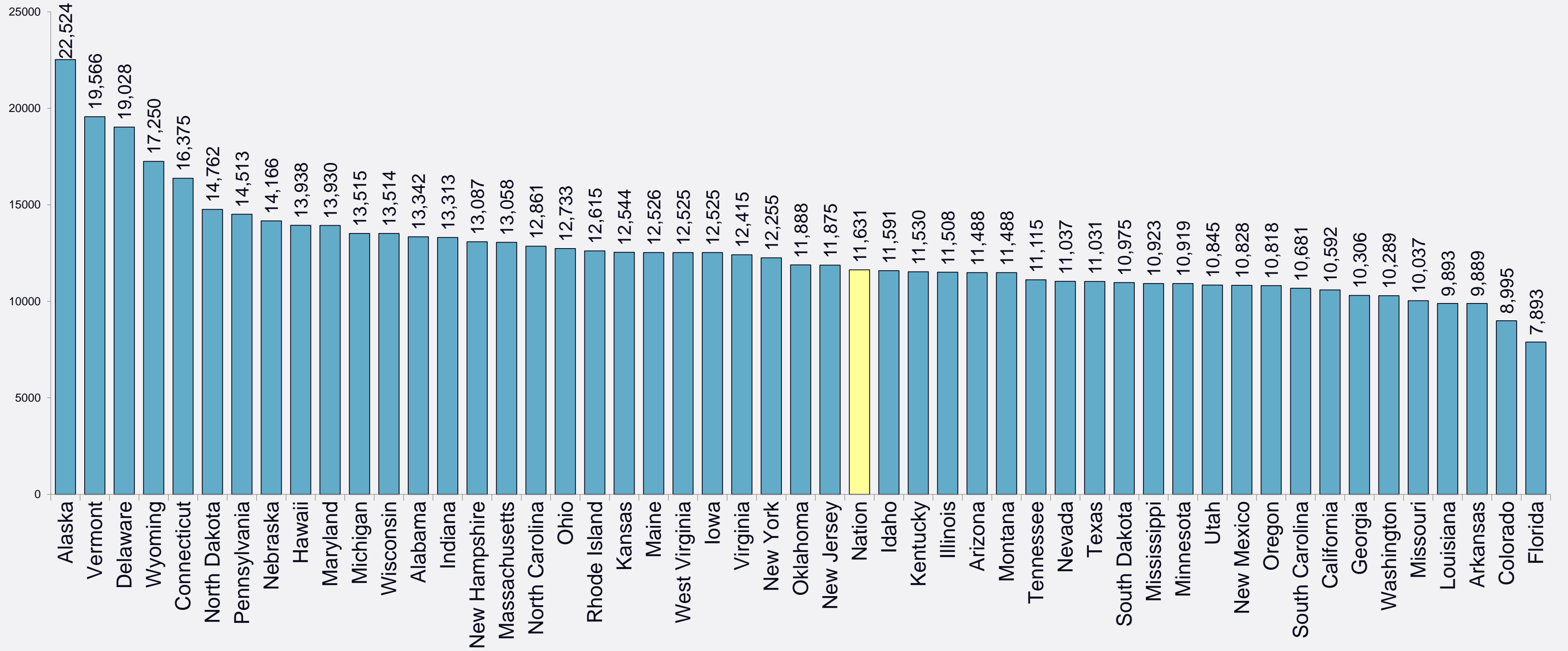
Funding per FTE Student Public Comprehensive, 2013



Funding per FTE Student Public Two-Year, 2013

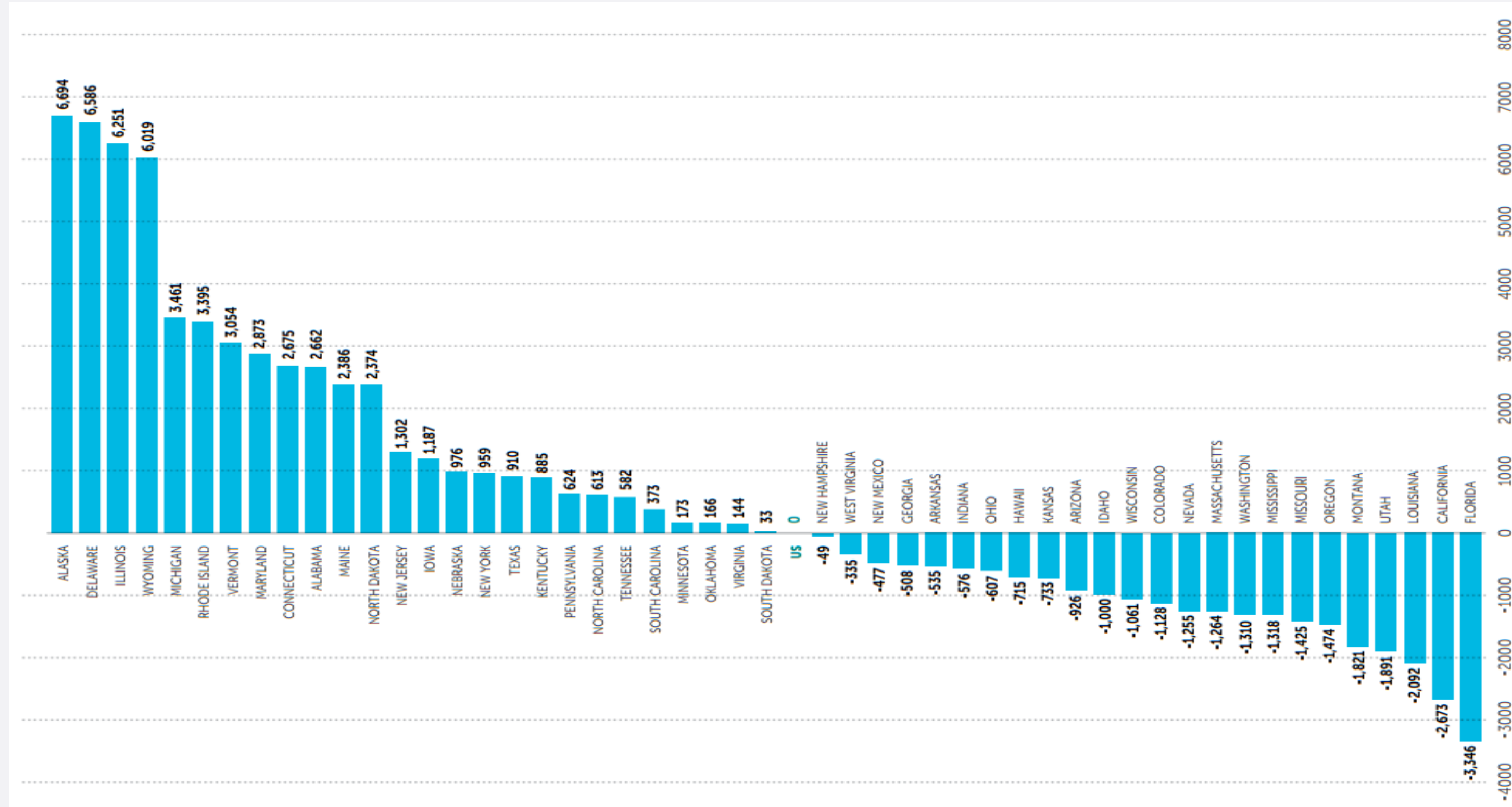


Funding per FTE Student Public Total, 2013



Total Educational Revenue per FTE

State Differences from U.S. Average, Fiscal 2014

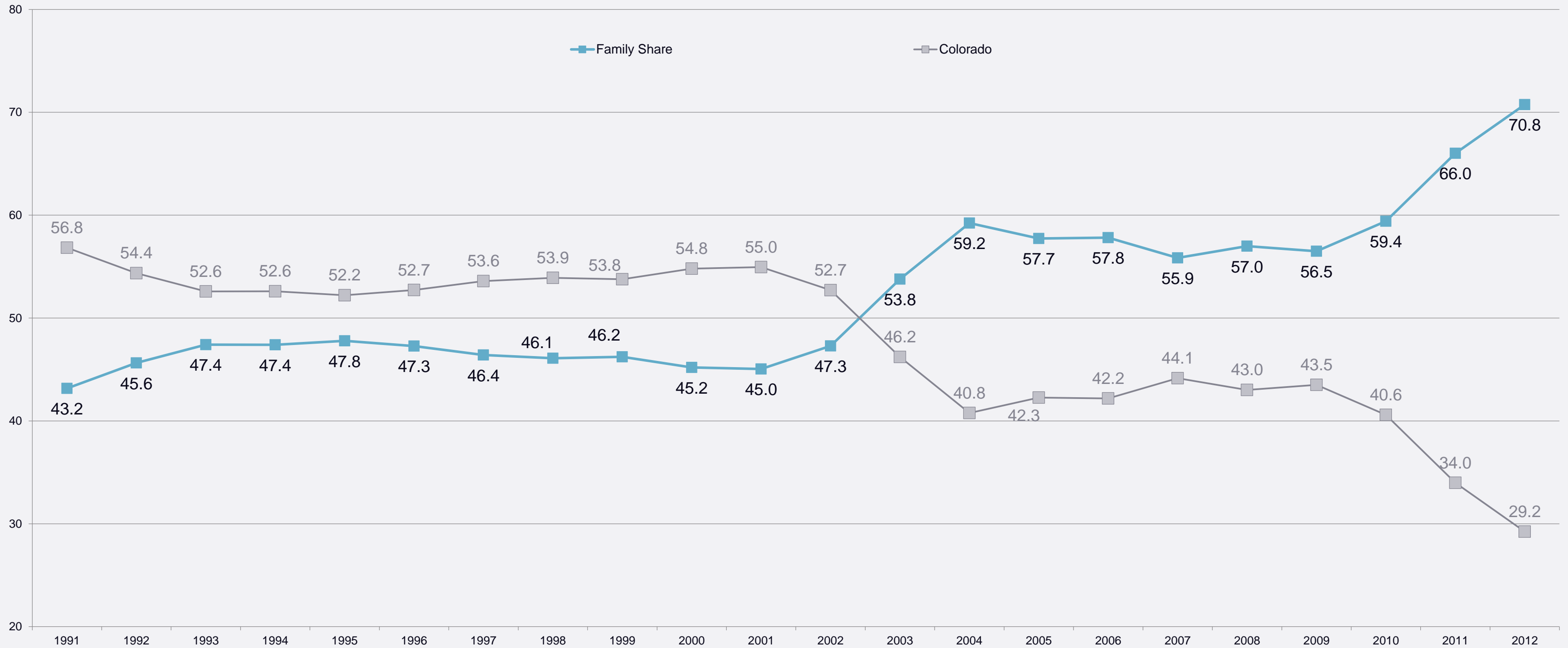


Source: SHEEO SHEF FY 2014

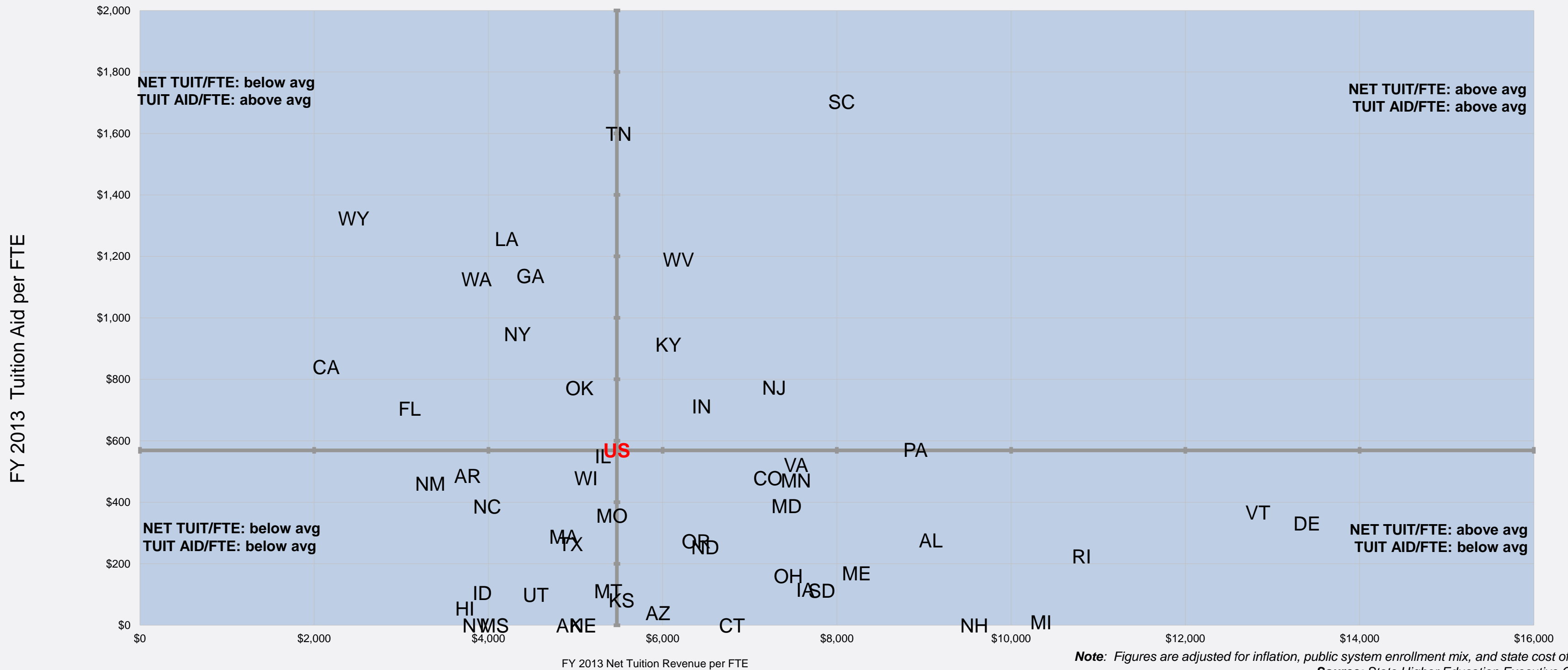


Family Share of Public Higher Ed. Operating Revenue

Colorado, Indexed to US avg., 2012



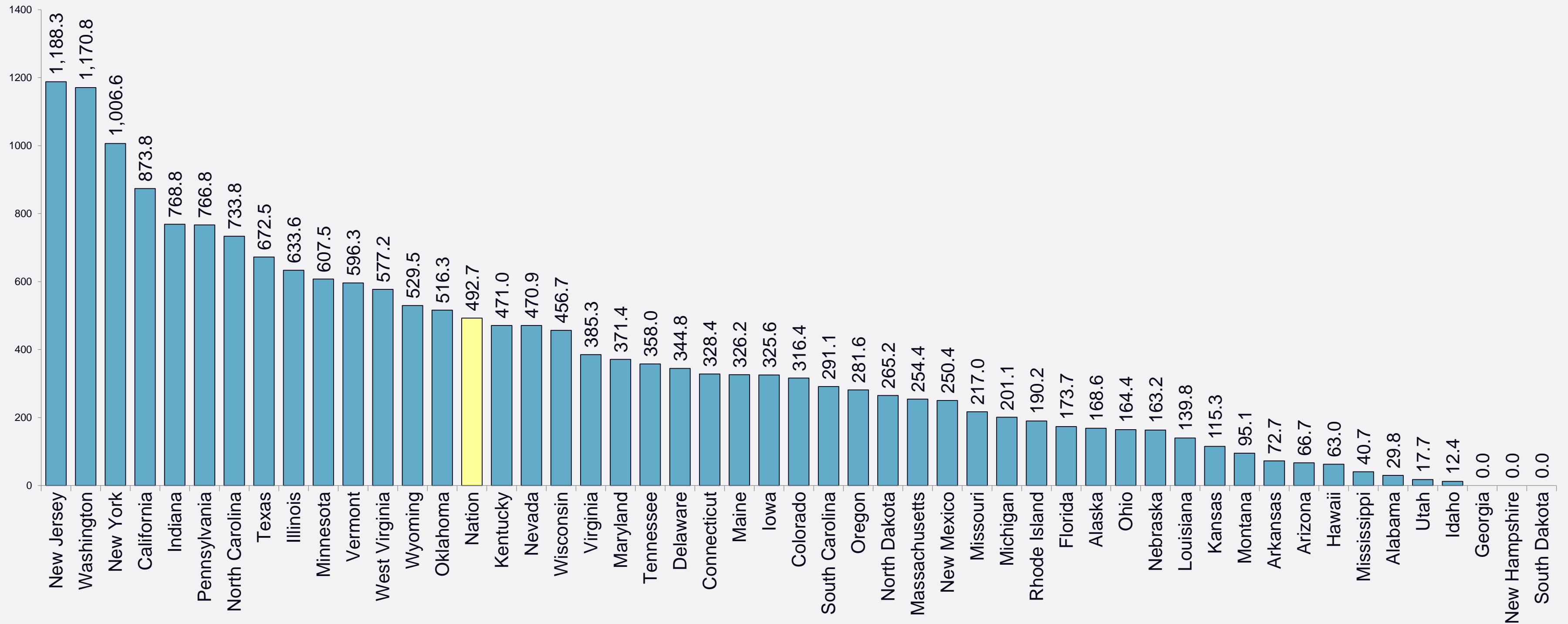
State Tax Capacity & Effort Indexed to US avg., 2011



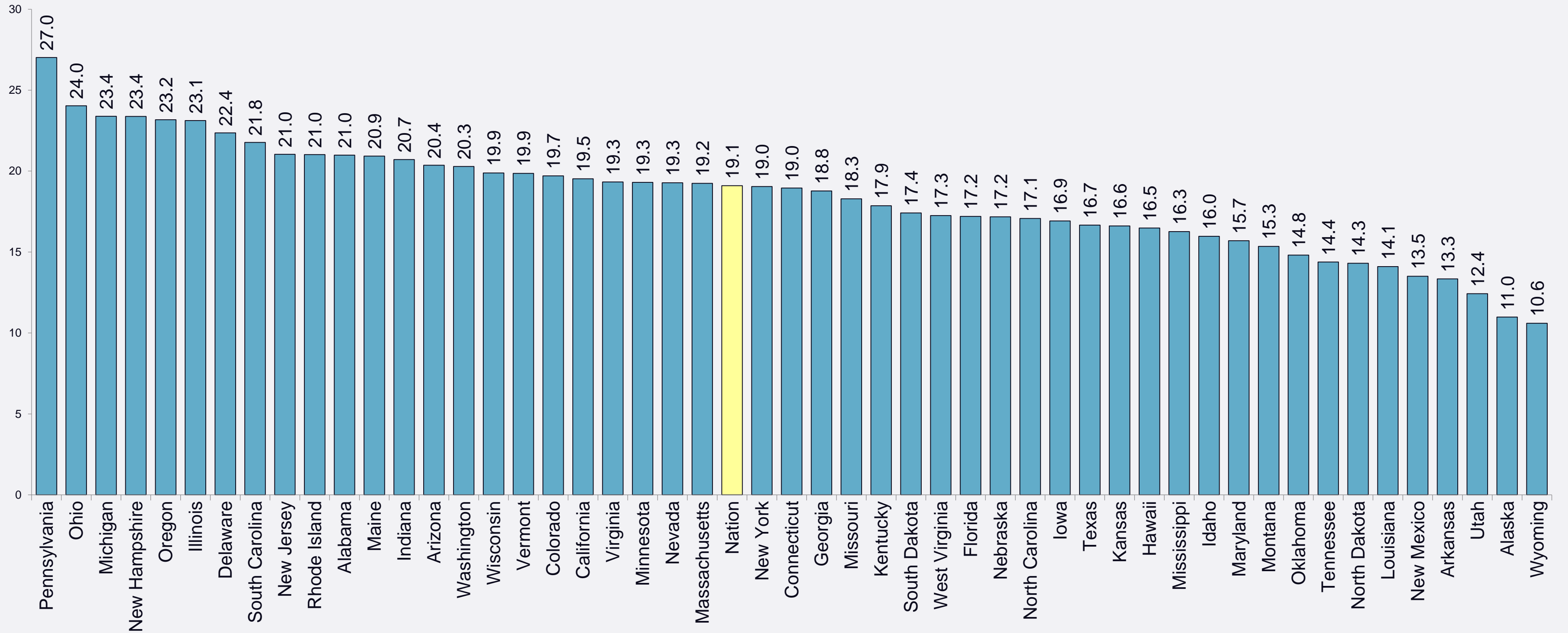
Note: Figures are adjusted for inflation, public system enrollment mix, and state cost of living.
Source: State Higher Education Executive Officers



Estimated Need-Based Undergraduate Grant Dollars per Undergraduate FTE by State, 2011-12

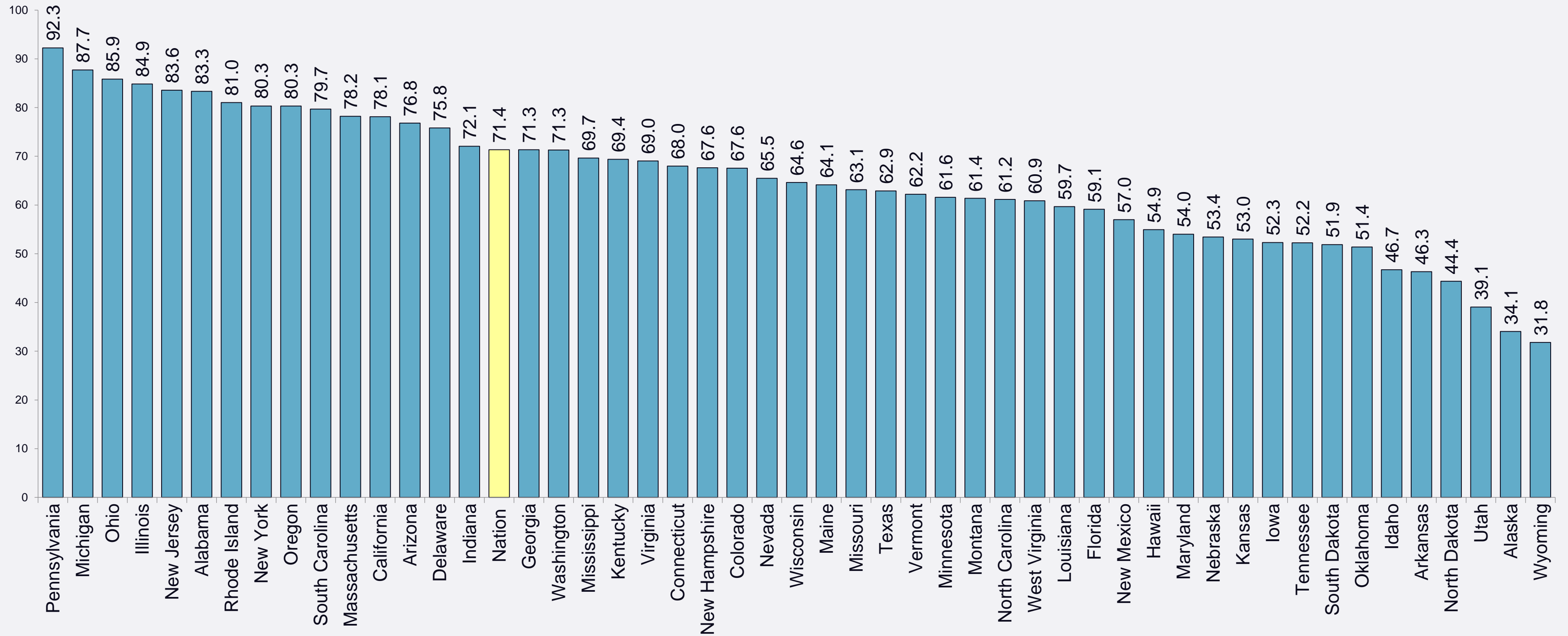


Net Cost as a Percent of Median Family Income Public Four-Year Institutions, 2012-13

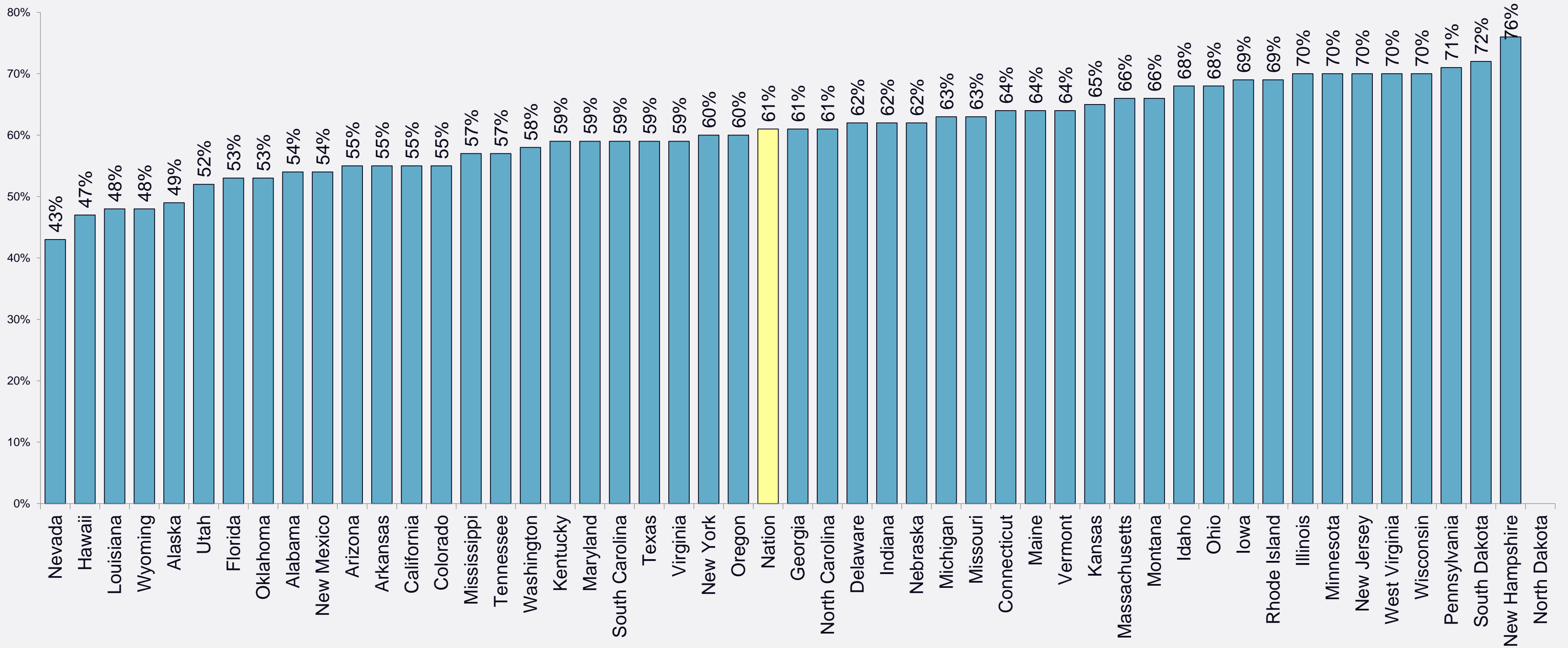


Net Cost as a Percent of Lowest Quintile Family Income

Public Four-Year Institutions, 2012-13

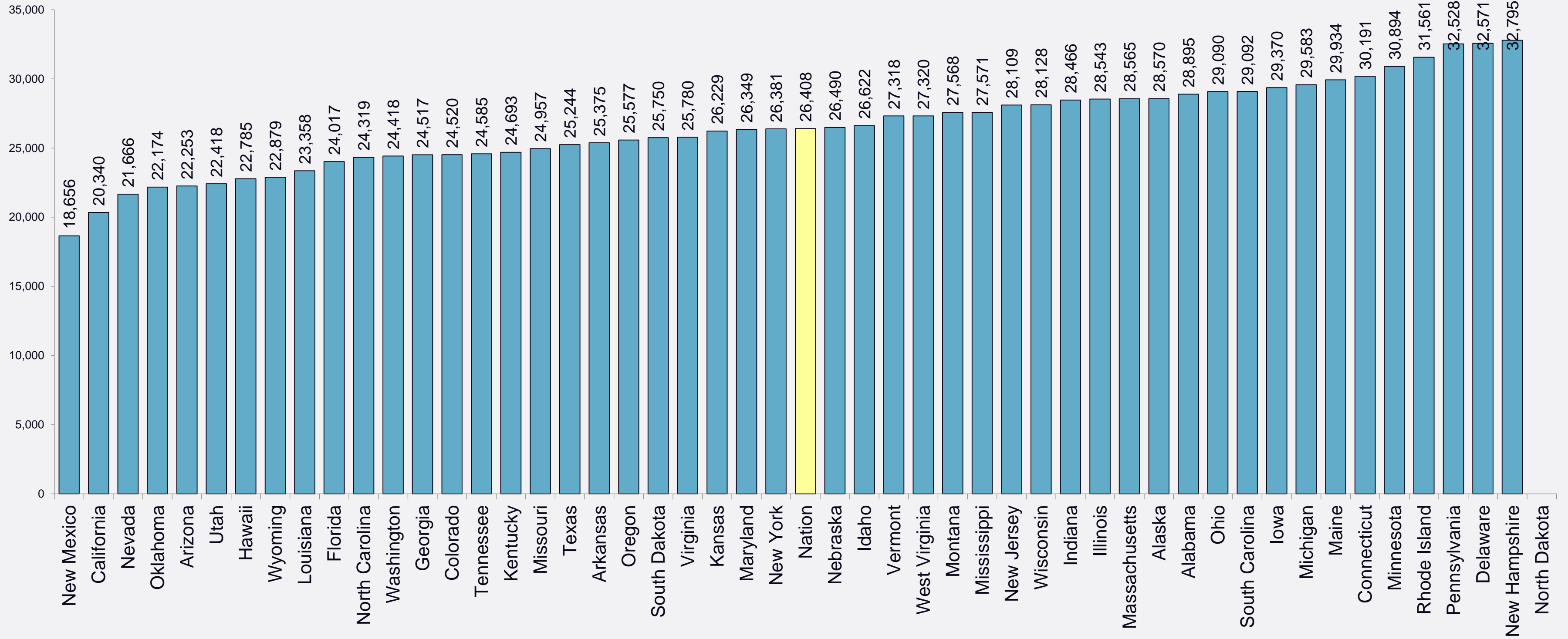


Percent of Graduates with Debt 2012-13



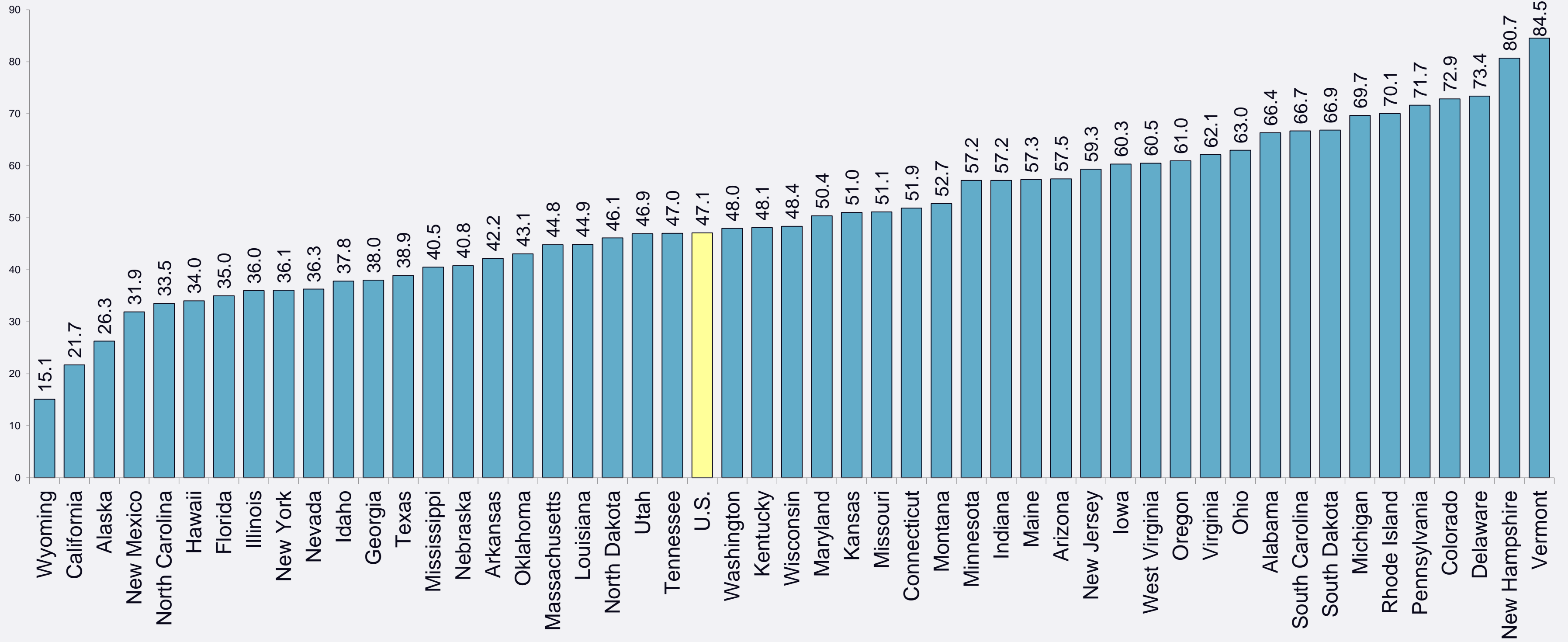
Average Debt of Graduates

2012-13

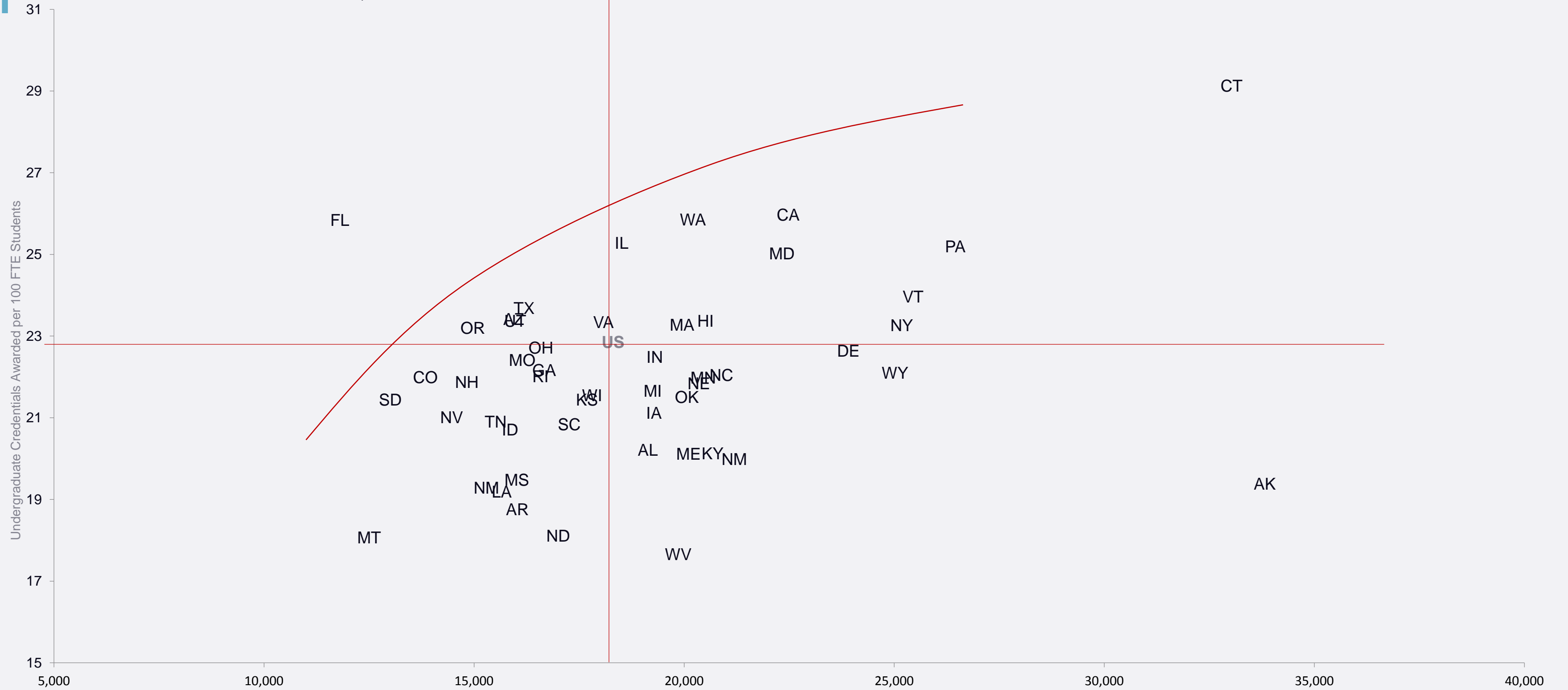


Net Tuition as a Percent of Public Higher Ed. Total Revenue

Fiscal 2012



Undergraduate Credentials per 100 FTE and Total Funding per FTE student Public Research, 2010-11



What can these data tell you?

- What differences exist among states for topics such as:
 - **Affordability**
 - **Resources**
 - **Students earning degrees**
 - **Student debt levels**





...and what can't they tell you?

- Data shortcomings include
 - **Capital**
 - **Endowment**
 - **Student aid with respect to economic background**

But don't let perfect be the enemy of good.



Thank you



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