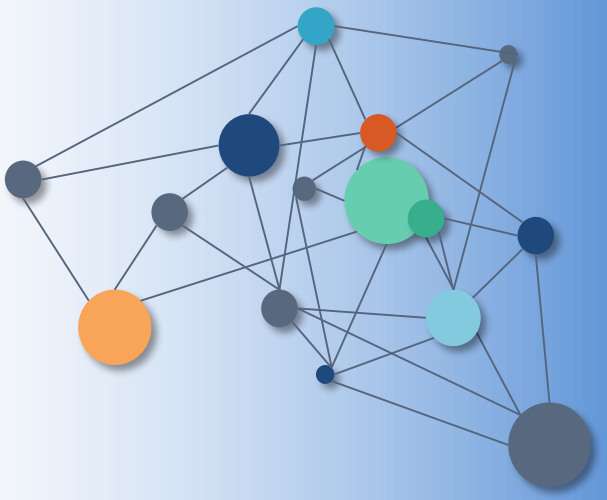
Vermont Environmental Scan

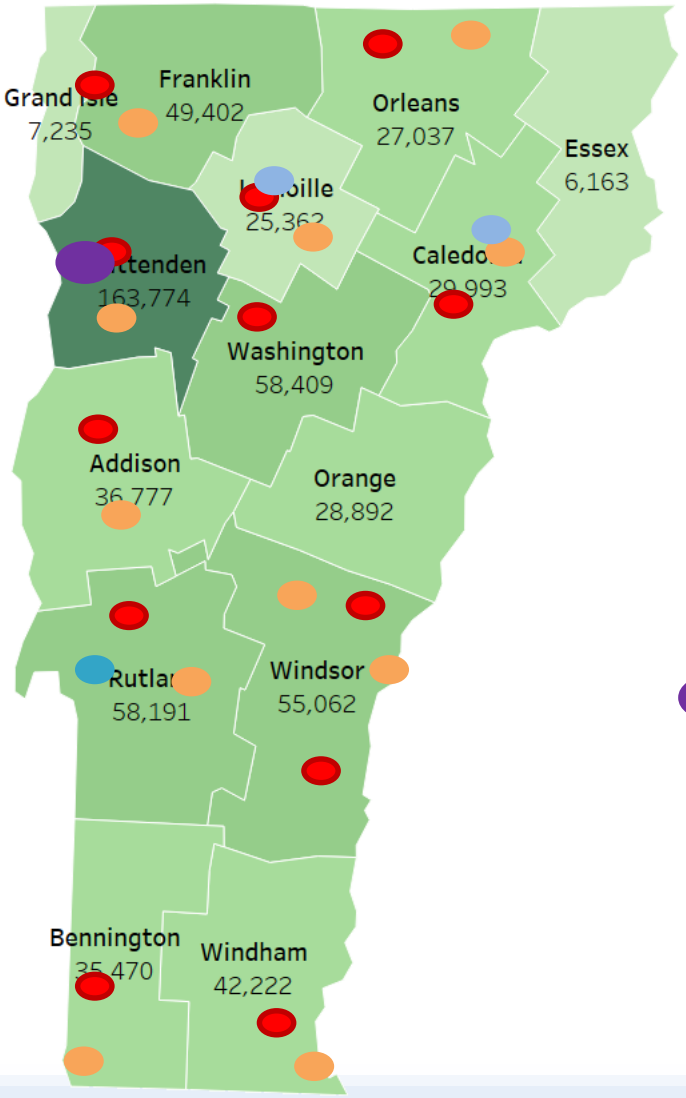
October 8, 2020

NCHEMS
National Center for Higher Education Management Systems

nchems.org • higheredinfo.org



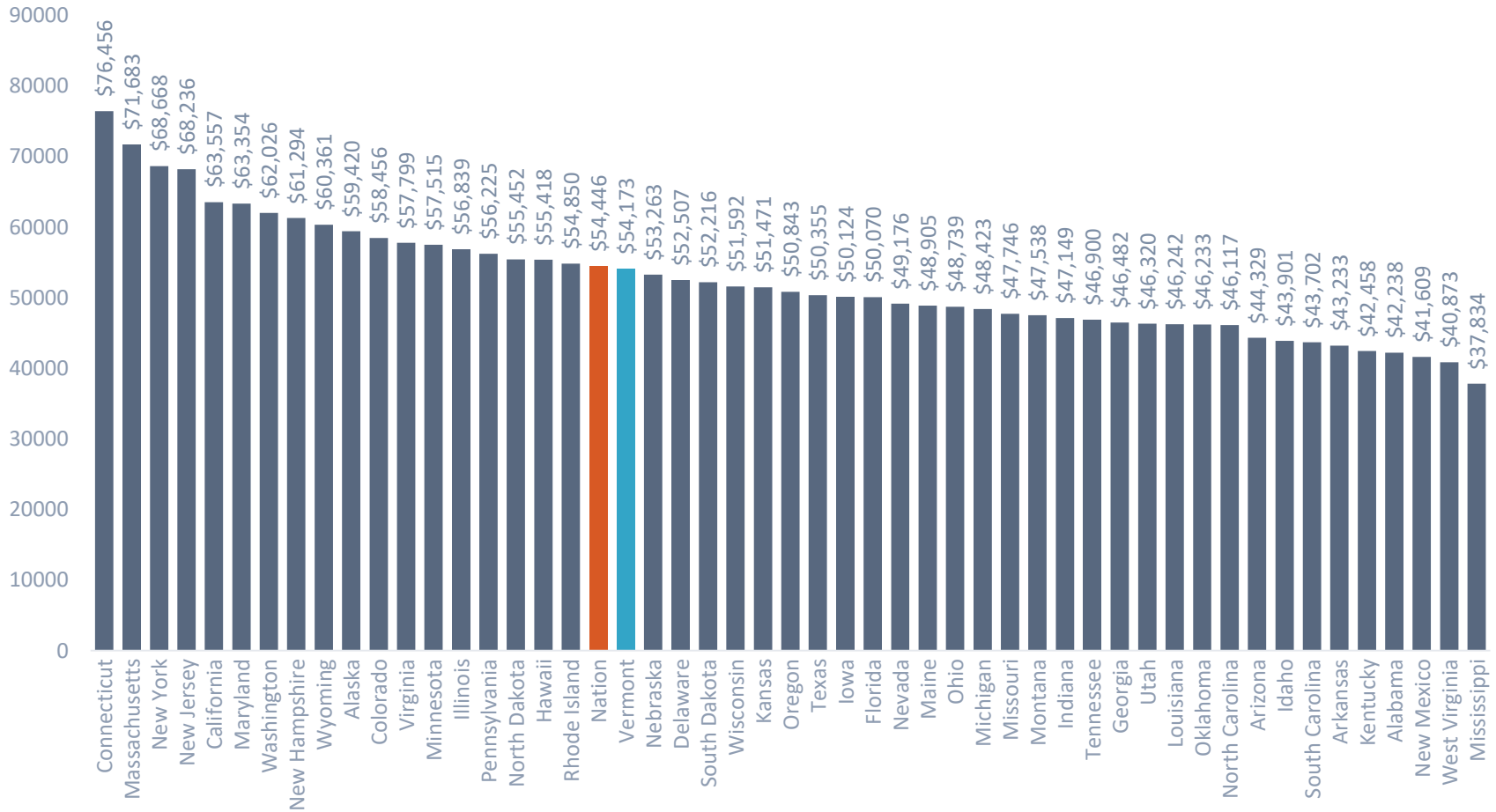
Vermont Population with Institutions



- Community College of Vermont
- Vermont Tech
- Northern Vermont University
- University of Vermont
- Castleton University

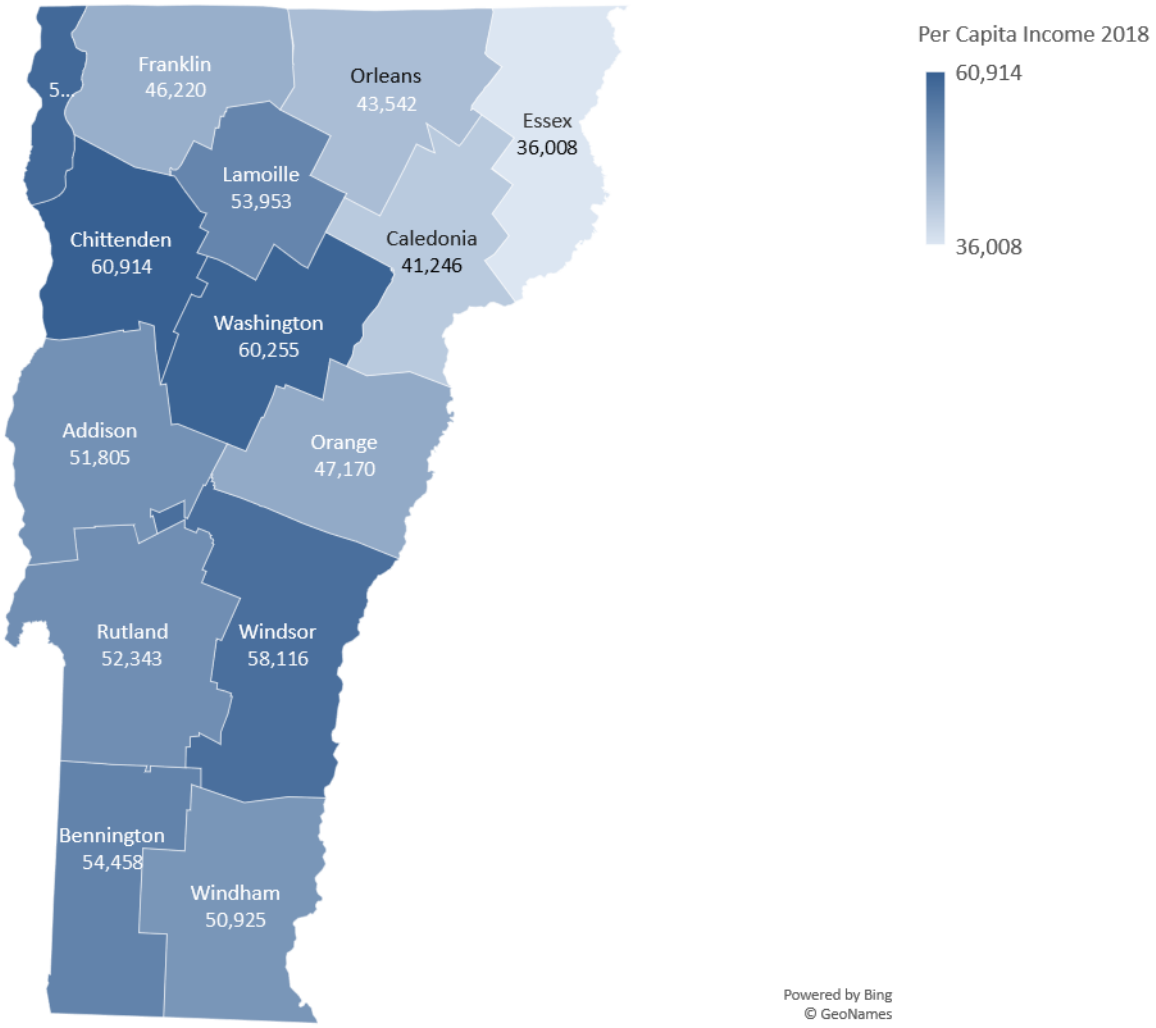
Source: https://www.vermont-demographics.com/counties_by_population

Per Capita Income by State, 2018



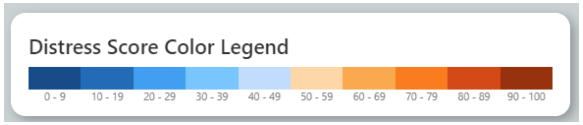
Source: Bureau of Economic Analysis

Per Capita Income by County, 2018

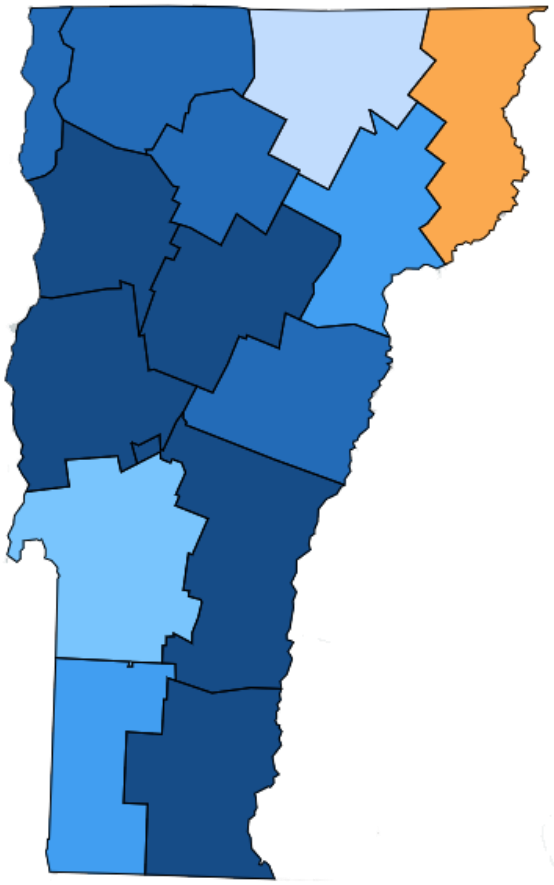


Source: U.S. Bureau of Economic Analysis

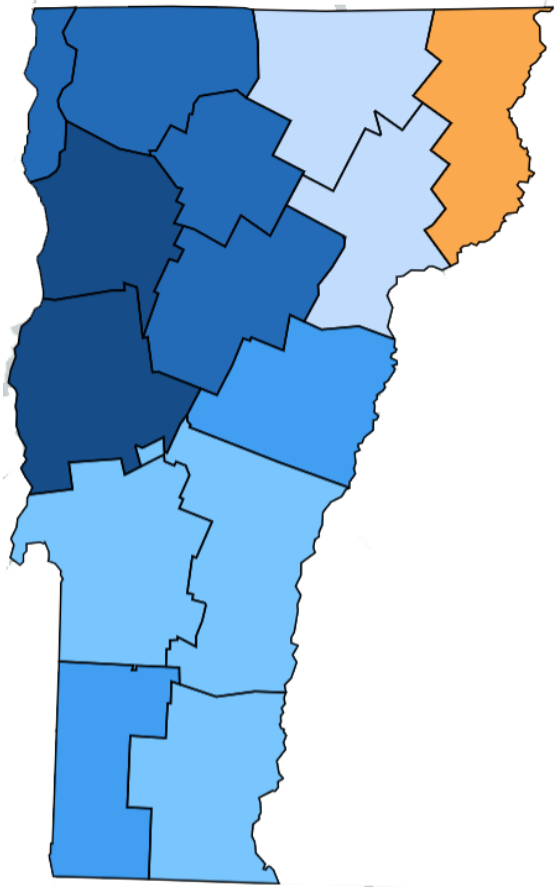
Distressed Communities Index



2007-2011



2012-2016



Source: Economic Innovation Group, See the following slide for definitions and methodology.

Distressed Communities Index Definitions

The Distressed Communities Index (DCI) is a comparative measure of the vitality and wellbeing of U.S. communities.

The DCI combines seven complementary metrics into a holistic measure of comparative community economic well-being. The components are:

No high school diploma:
Percent of the 25+ population without a high school diploma or equivalent

Housing vacancy rate:
Percent of habitable housing that is unoccupied, excluding properties that are for seasonal, recreational, or occasional use

Adults not working:
Percent of the prime-age (25-64) population not currently employed.

Poverty rate:
Percent of the population living under the poverty line

Median income ratio:
Median household income as a percent of the state's median household income (to adjust for cost of living differences)

Change in employment:
Percent change in the number of jobs

Change in establishments:
Percent change in the number of business establishments

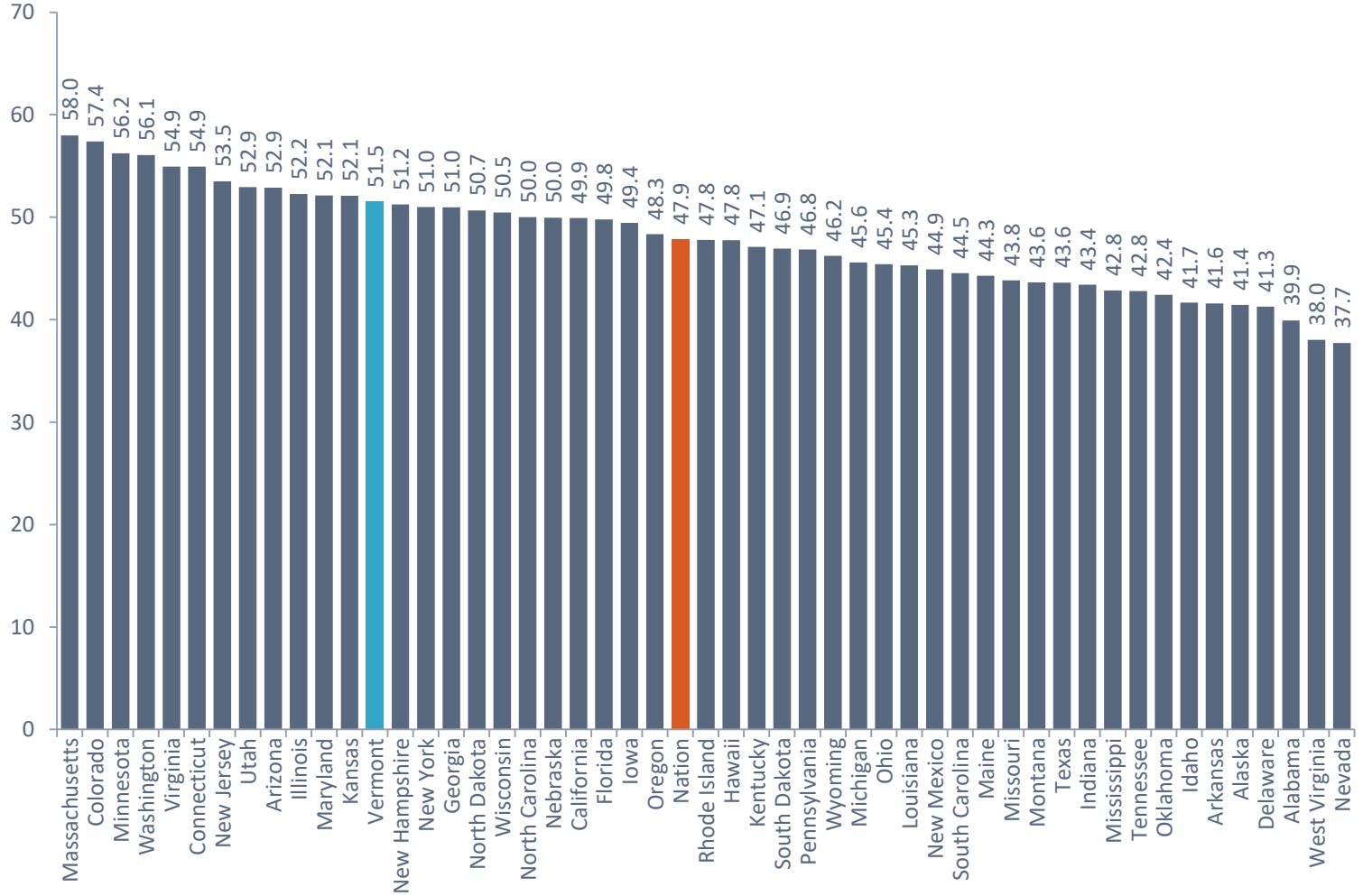
Each component is weighted equally in the index, which is calculated by ranking communities on each of the seven metrics, taking the average of those ranks, and then normalizing the average to be equivalent to a percentile. Distress scores range from approaching zero to 100.0, such that the zip code with the average rank of 12,500 out of 25,000 will register a distress score of 50.0. Communities are then grouped into quintiles, or fifths. The best-performing quintile (with distress scores of 0 to 20.0) is considered "prosperous," the second-best "comfortable," the third "mid-tier," the fourth "at risk," and the fifth, or worst-performing (with distress scores of 80.0 to 100), "distressed."

The underlying data comes from the U.S. Census Bureau's American Community Survey 5-Year Estimates and Business Patterns products. In all, the DCI captures 99 percent of the U.S. population and all 25,800-plus zip codes with at least 500 residents.

For a full description of the methodology underlying the DCI, see eig.org/dci/methodology.

Educational Attainment

Percent of Residents Ages 25-64 With A High-Quality Certificate or Higher, 2018



Source: U.S. Census Bureau, 2018 American Community Survey 1-Year Public Use Microdata Sample,
Source: Lumina Stronger Nation Report 2020

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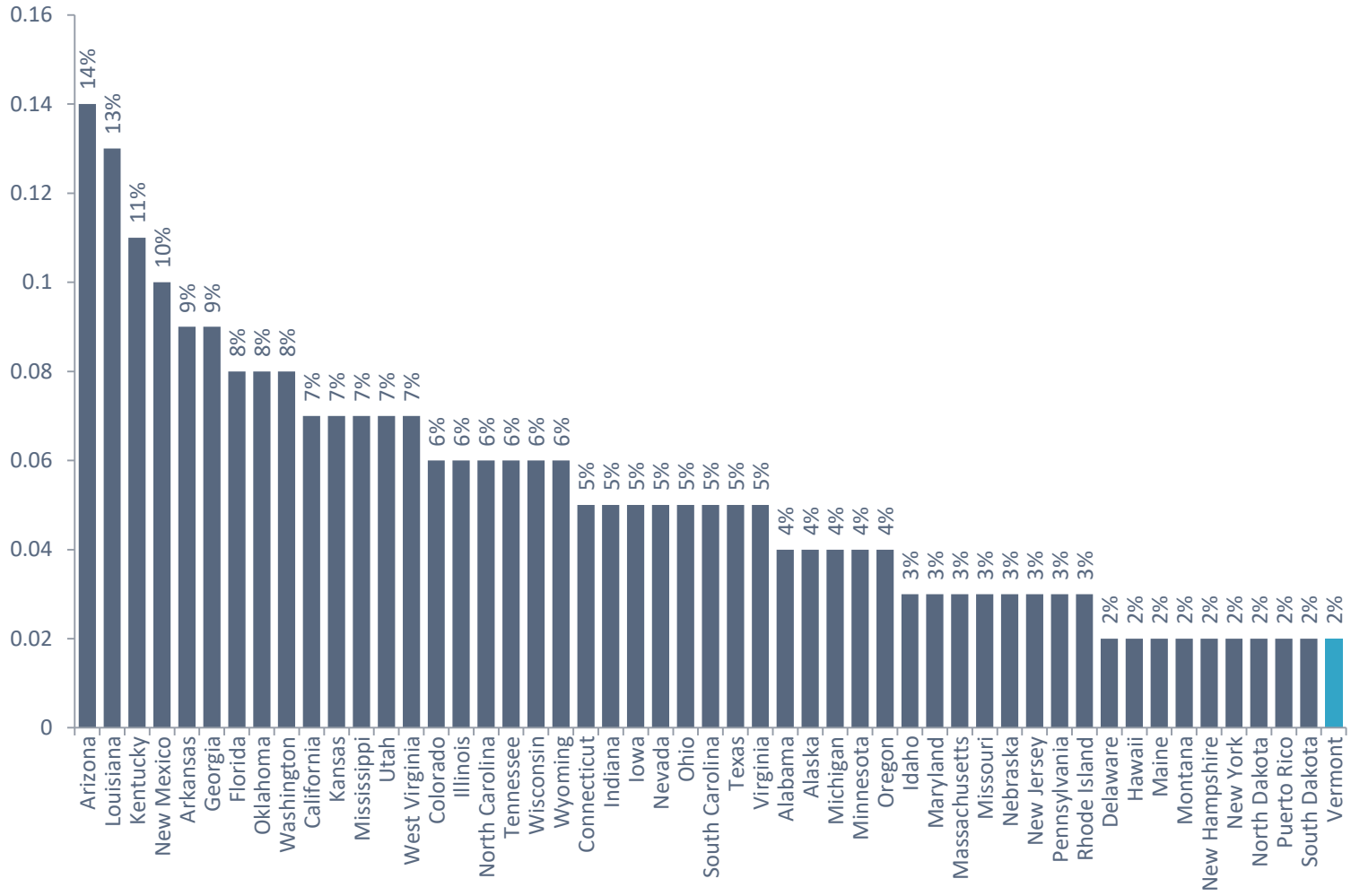
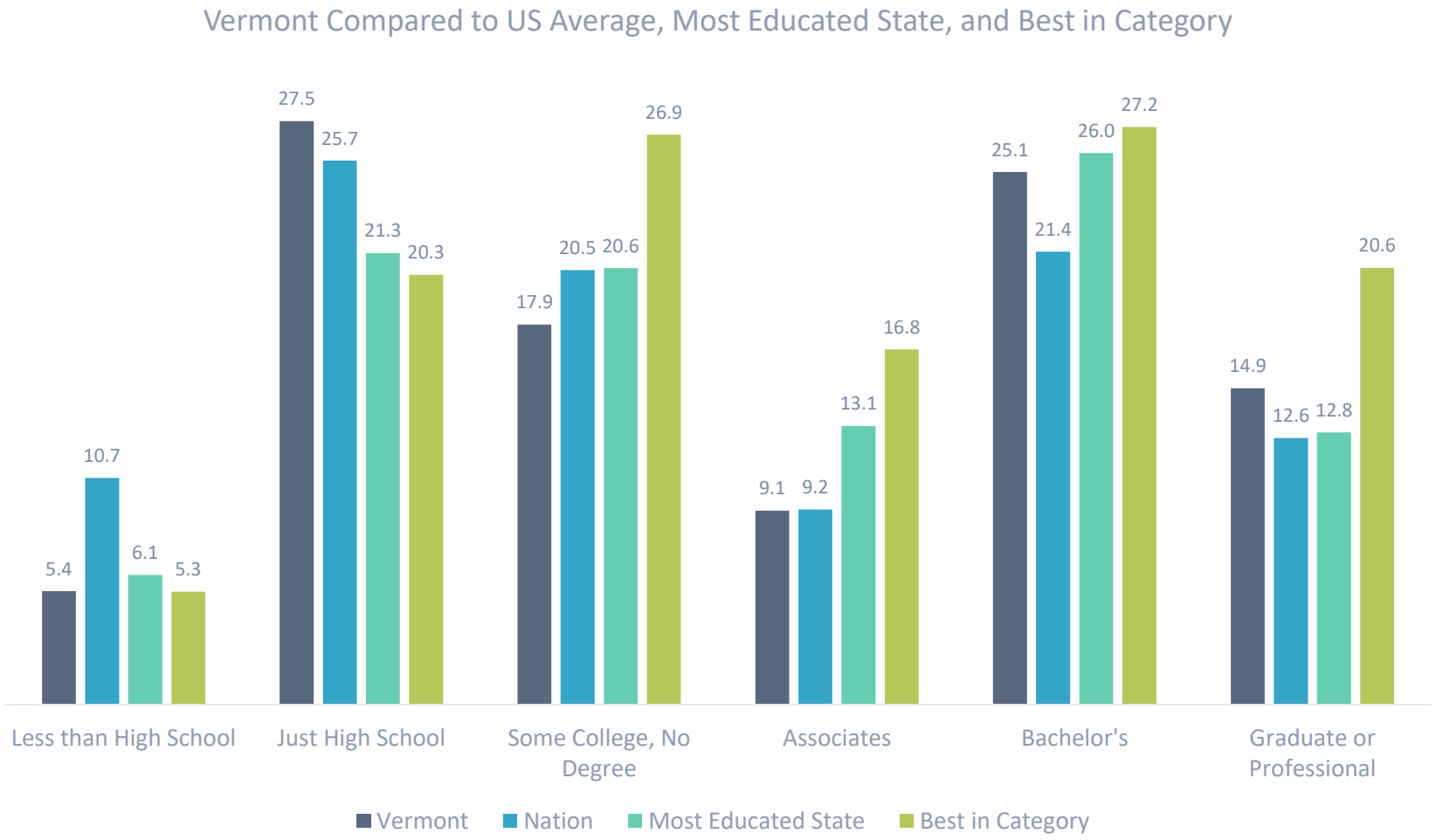
Percent of Residents Ages 25-64 With A High-Quality Certificate



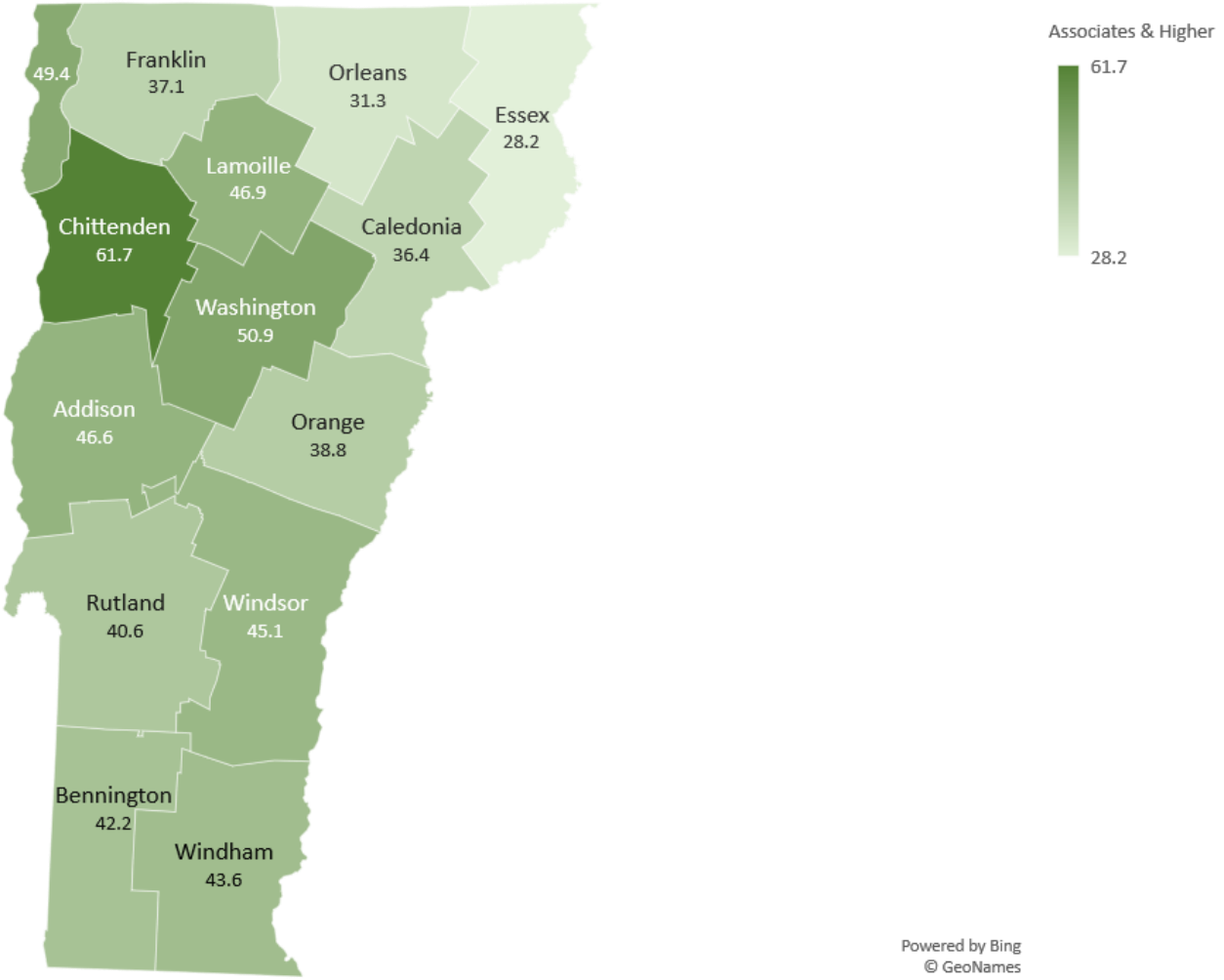
Source: Lumina Stronger Nation Report 2020

Educational Attainment of Working Aged Adults Aged 25 to 64 – Vermont, the US, and the Most Educated State (2018)



Source: U.S. Census Bureau, 2018 American Community Survey One-Year Estimates; Table B15001.

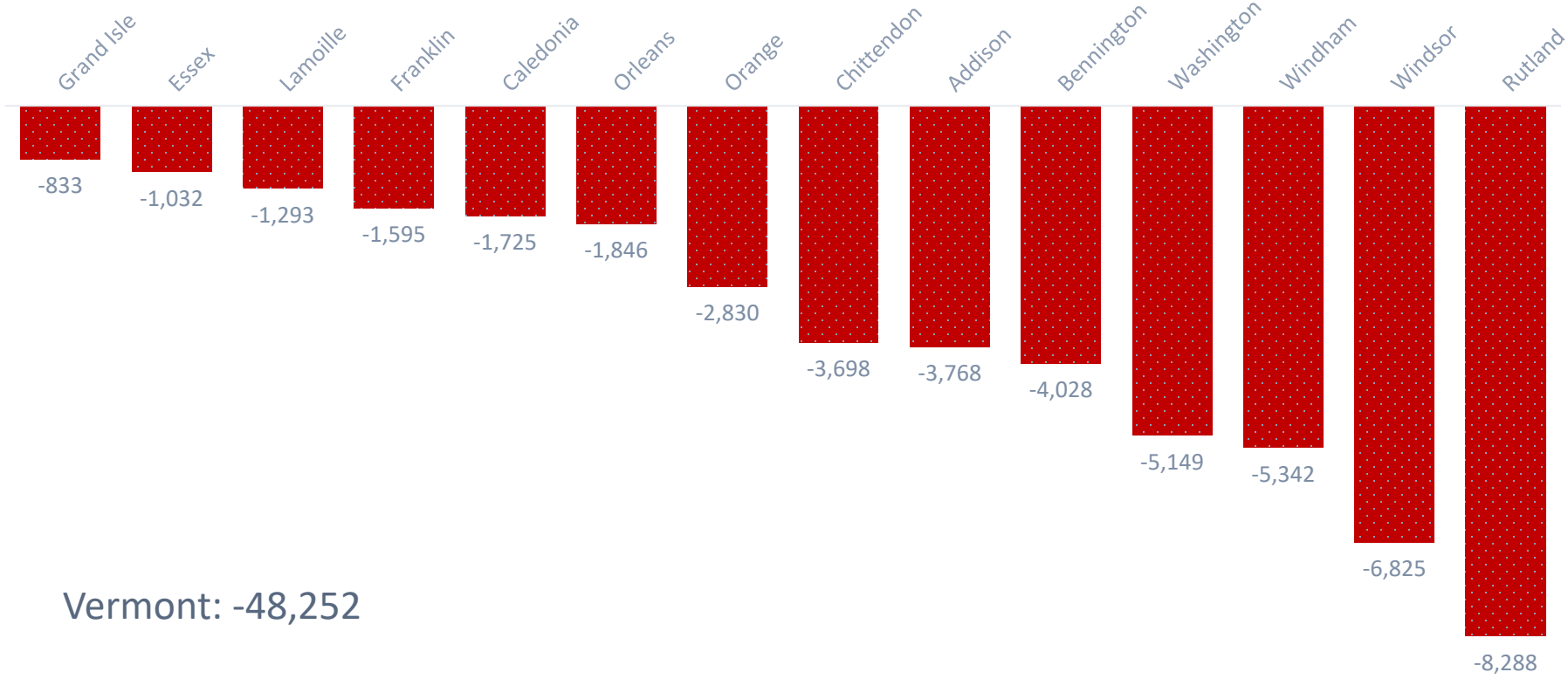
Percent of Adults Aged 25-64 with an Associates or Higher by County, 2014-18



Source: U.S. Census Bureau, 2014-18 American Community Survey Five-Year Estimates; Table B15001.

Population Projections

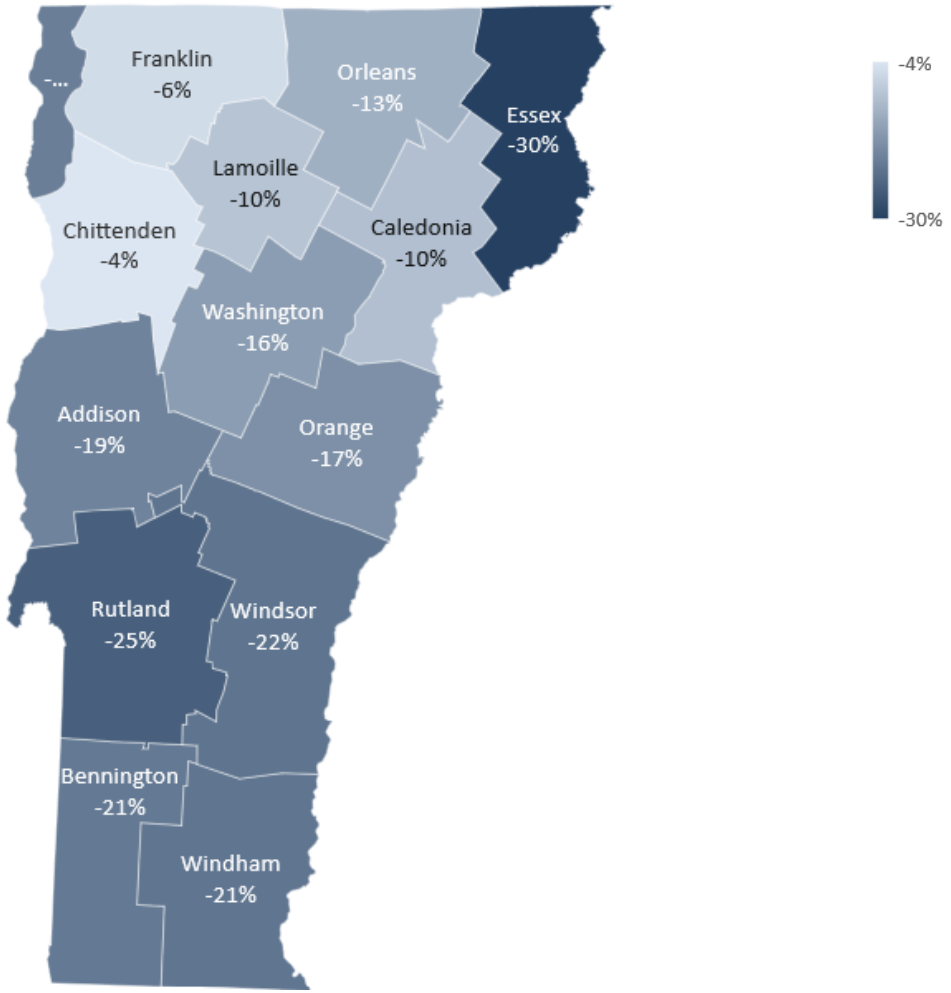
Projected Change in Population by County, Adults Aged 25-64, 2010-2030



Vermont: -48,252

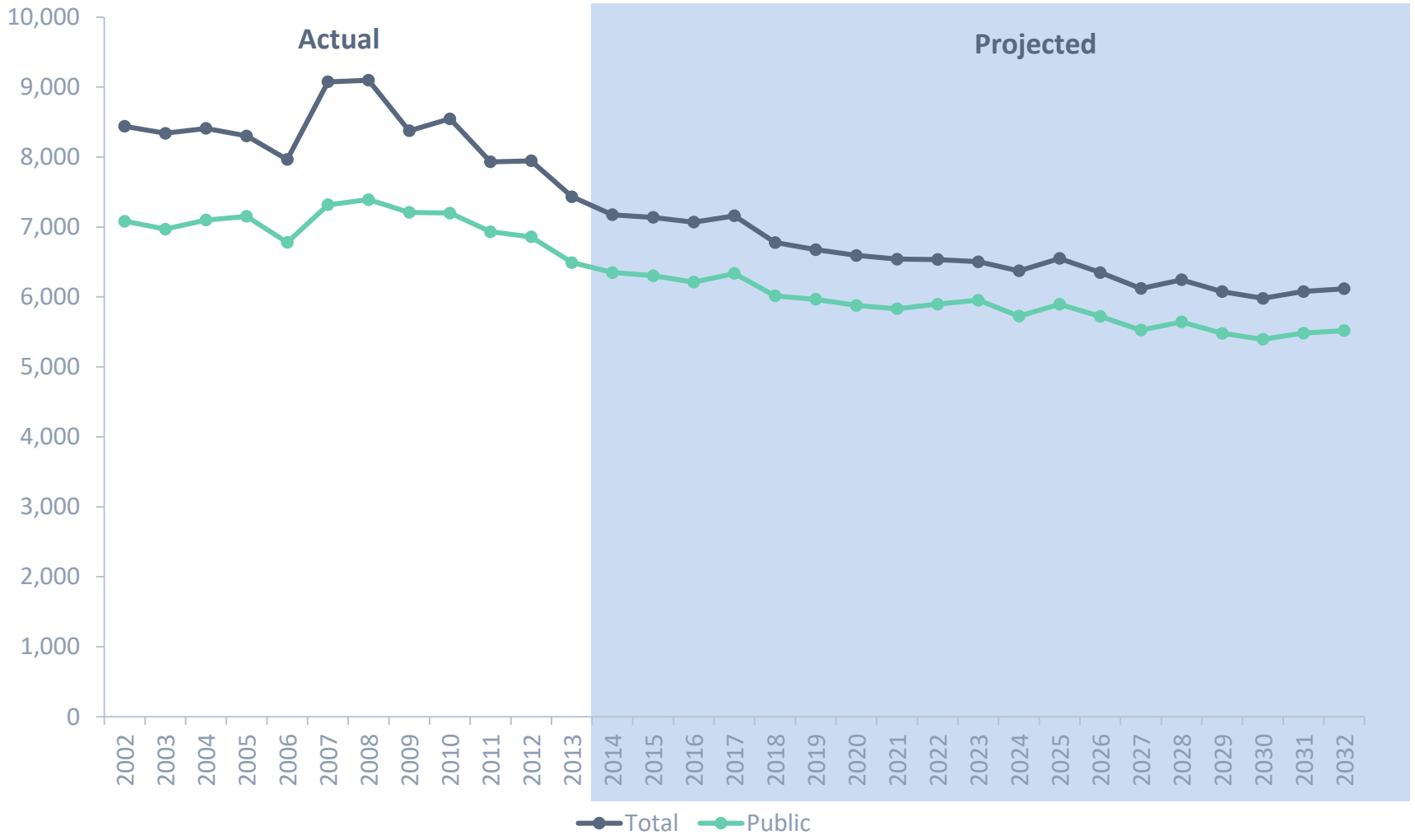
Source: State of Vermont, Vermont Population Projections – 2010 – 2030, August, 2013; Ken Jones, Ph.D., Economic Research Analyst Vermont Agency of Commerce and Community Development and Lilly Schwarz, Community Based Learning Intern Montpelier High School. Note that Scenario 2 projections are used for this analysis. Scenario 1 utilizes population growth from the 1990's during a positive economy; Scenario 2 is based on the less favorable economy of the decade beginning in 2000. The decision to utilize Scenario 2 was made based on the assumption that economic recovery from the COVID-19 pandemic will be an ongoing process.

Projected Percent Change in Population, Adults Aged 25-64, 2010-2030



Source: State of Vermont, Vermont Population Projections – 2010 – 2030, August, 2013; Ken Jones, Ph.D., Economic Research Analyst Vermont Agency of Commerce and Community Development and Lilly Schwarz, Community Based Learning Intern Montpelier High School. Note that Scenario 2 projections are used for this analysis. Scenario 1 utilizes population growth from the 1990's during a positive economy; Scenario 2 is based on the less favorable economy of the decade beginning in 2000. The decision to utilize Scenario 2 was made based on the assumption that economic recovery from the COVID-19 pandemic will be an ongoing process.

Vermont High School Graduates, 2002-2032

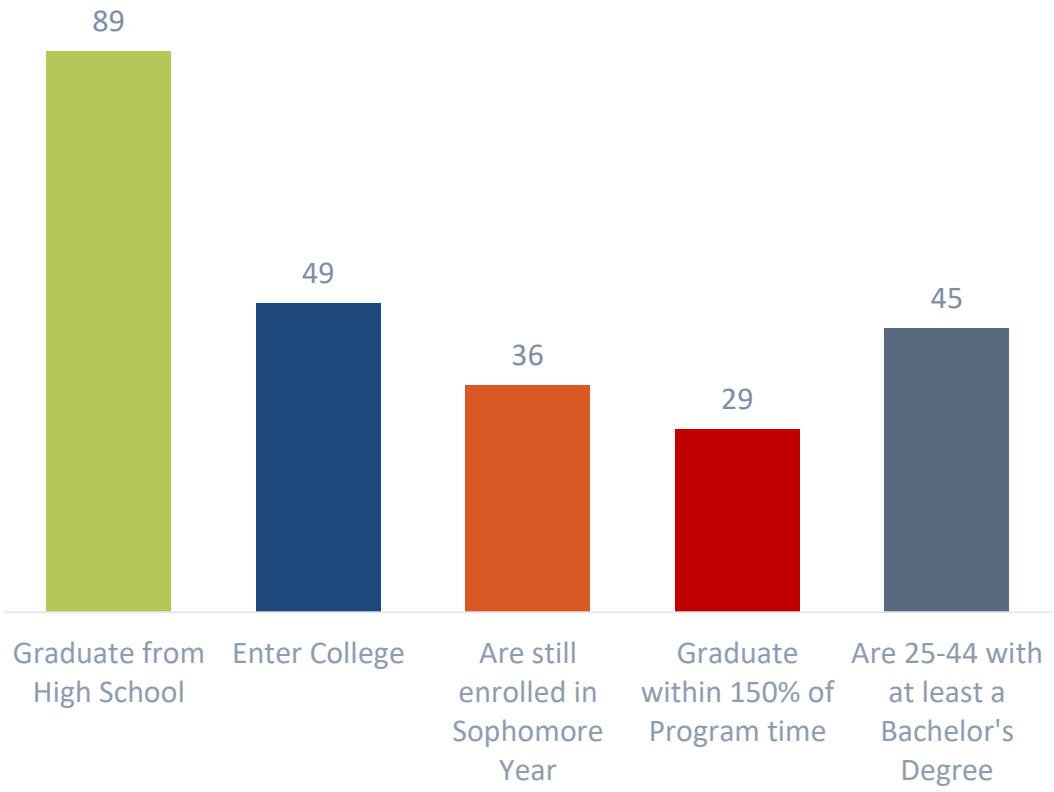


Source: WICHE, Knocking at the College Door

Postsecondary Participation & Success

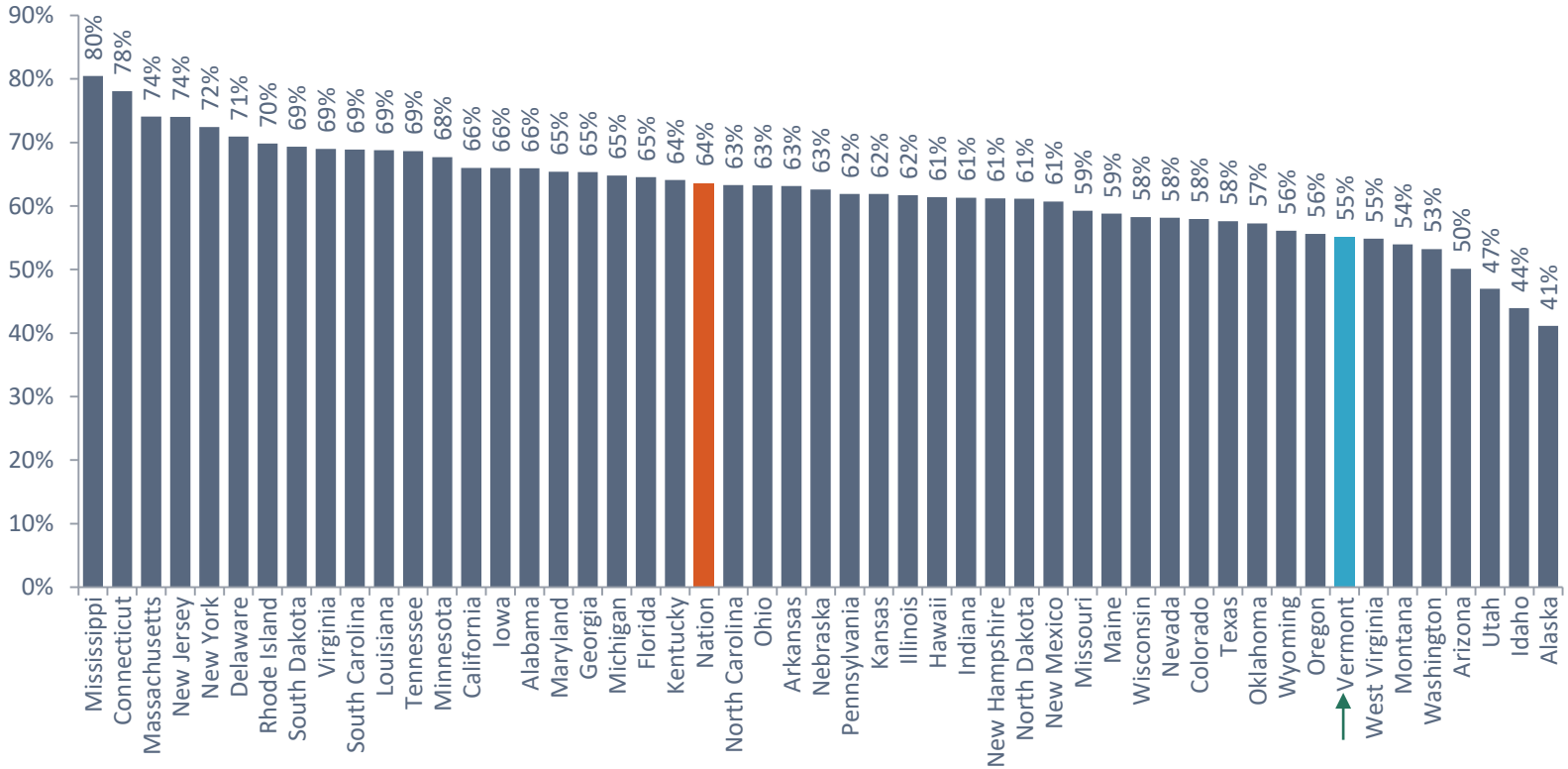
Student Pipeline, Vermont, 2018

For every
100 9th Graders…



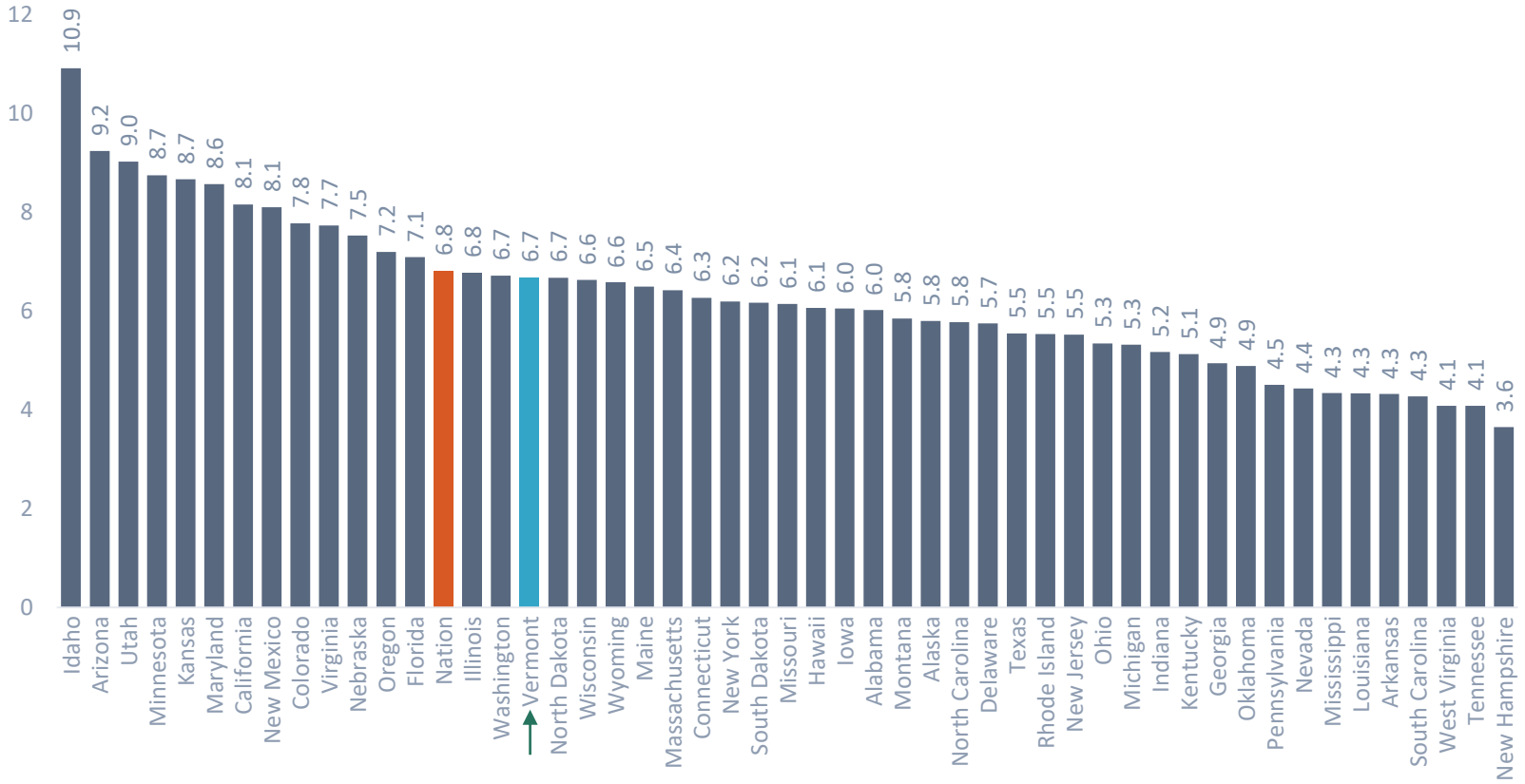
Sources: U.S. Department of Education, Office of Elementary and Secondary Education, Consolidated State Performance Report, 2016–17. See Digest of Education Statistics 2018, table 219.46. Western Interstate Commission for Higher Education, Knocking at the College Door: Projections of High School Graduates, 2016 (Extraction 12-28-16). NCES, IPEDS Fall 2018 Residence & Migration Enrollment File; ef2018_c Provisional Release Data File. NCES, IPEDS Fall 2018 Retention Rate File; ef2018_d Provisional Release Data File. NCES, IPEDS 2017-18 Graduation Rate File; gr2018 Provisional Release Data File.

Percent of High School Graduates Directly Out of High School Going Directly to College, 2018



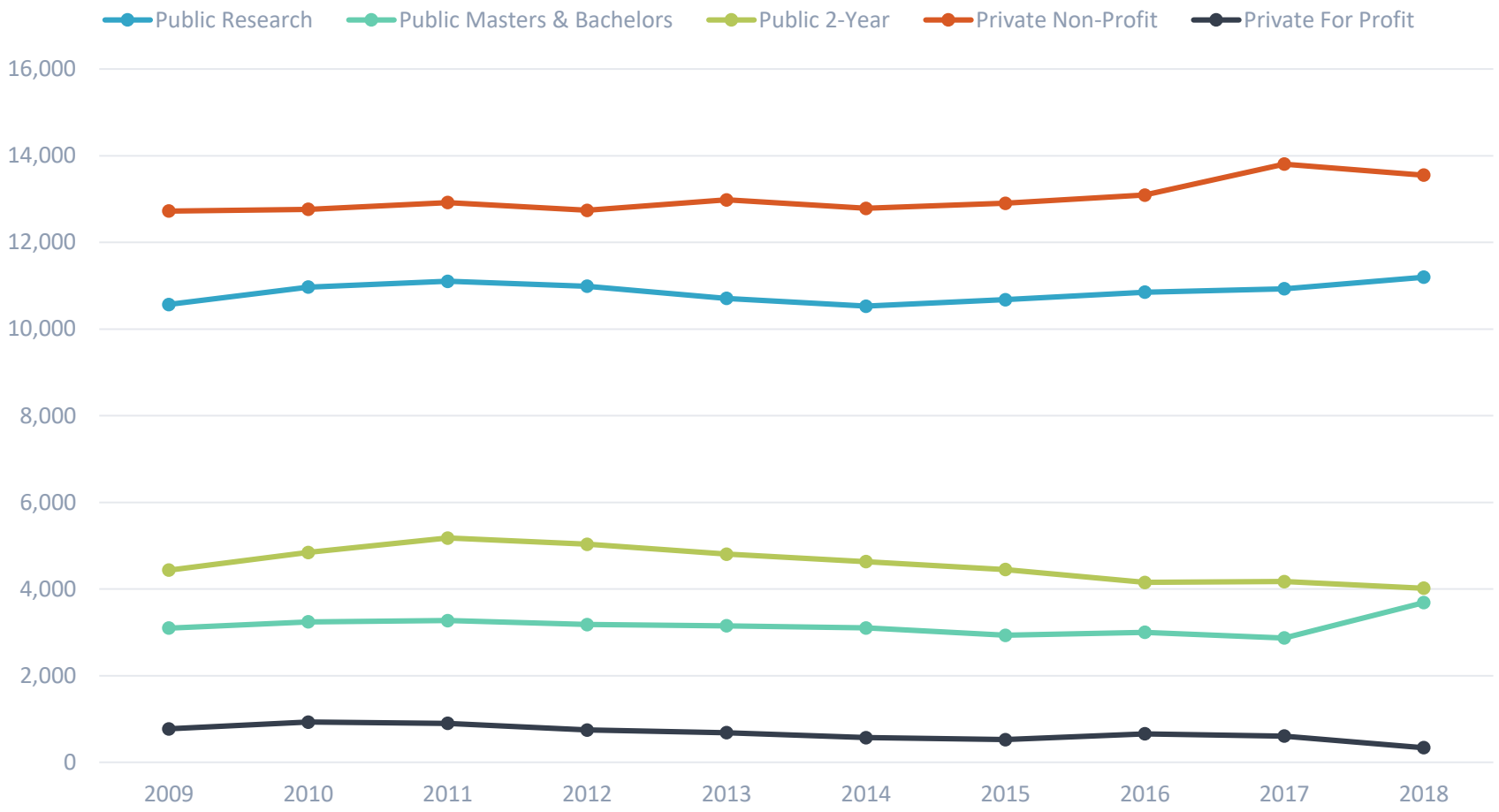
Source: Western Interstate Commission for Higher Education, Knocking at the College Door: Projections of High School Graduates, 2016.
NCES, IPEDS Fall 2018 Residency and Migration File; ef2018c Provisional Release Data File.

Undergraduate Enrollment Age 25-49 as a Percent of Population Age 25-49 with Less than an Associates Degree, Fall 2017



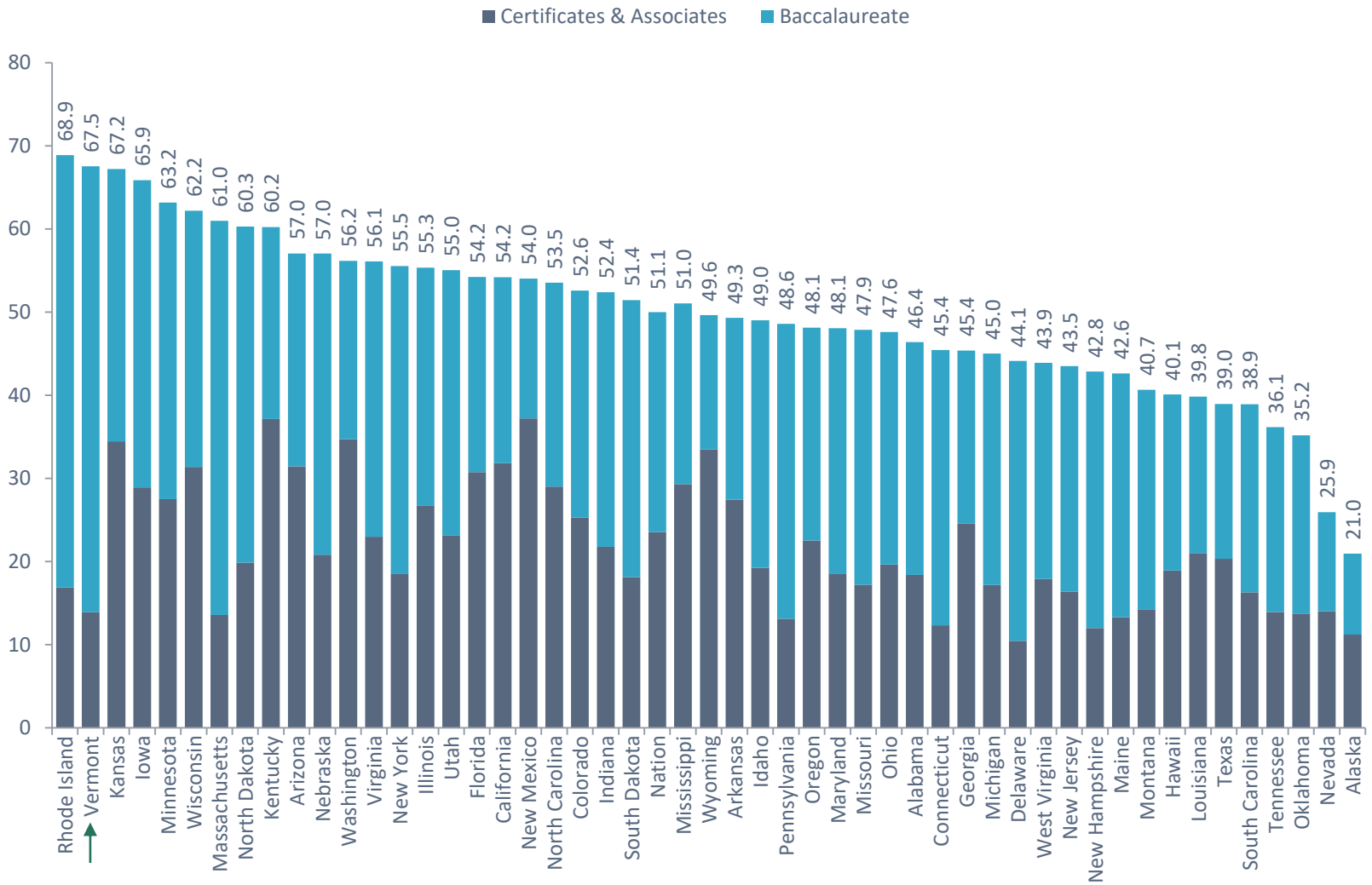
Sources: NCES, IPEDS Fall 2017 Enrollment File; ef2017b Provisional Release Data File; U.S. Census Bureau, 2017 American Community Survey One-Year Public Use Microdata Sample.

Vermont Enrollment Over Time, 2009-2018



NCES, IPEDS 2009-18 Instructional Activity File; efia2018 Provisional Release Data File. FTEUG variable was used for consistency with other data used.
NCES, IPEDS 2017-18 Institutional Characteristics File; hd2018 Provisional Release Data File.
NCES, IPEDS 2017-18 Completions File; c2018_a Provisional Release Data File.

Undergraduate Awards per 1,000 Population Age 18-44 with No College Degree, 2017-18



Sources: NCES, IPEDS 2017-18 Completions File; c2018_a Provisional Release Data File. U.S. Census Bureau, 2018 American Community Survey One-Year Estimates; Table B15001.

Note: Awards aggregated for Public and Private Postsecondary Title IV Degree-Granting Institutions in the 50 States and District of Columbia. Awards include first majors only.

First-Time Undergraduates at VSC Institutions by County of Origin

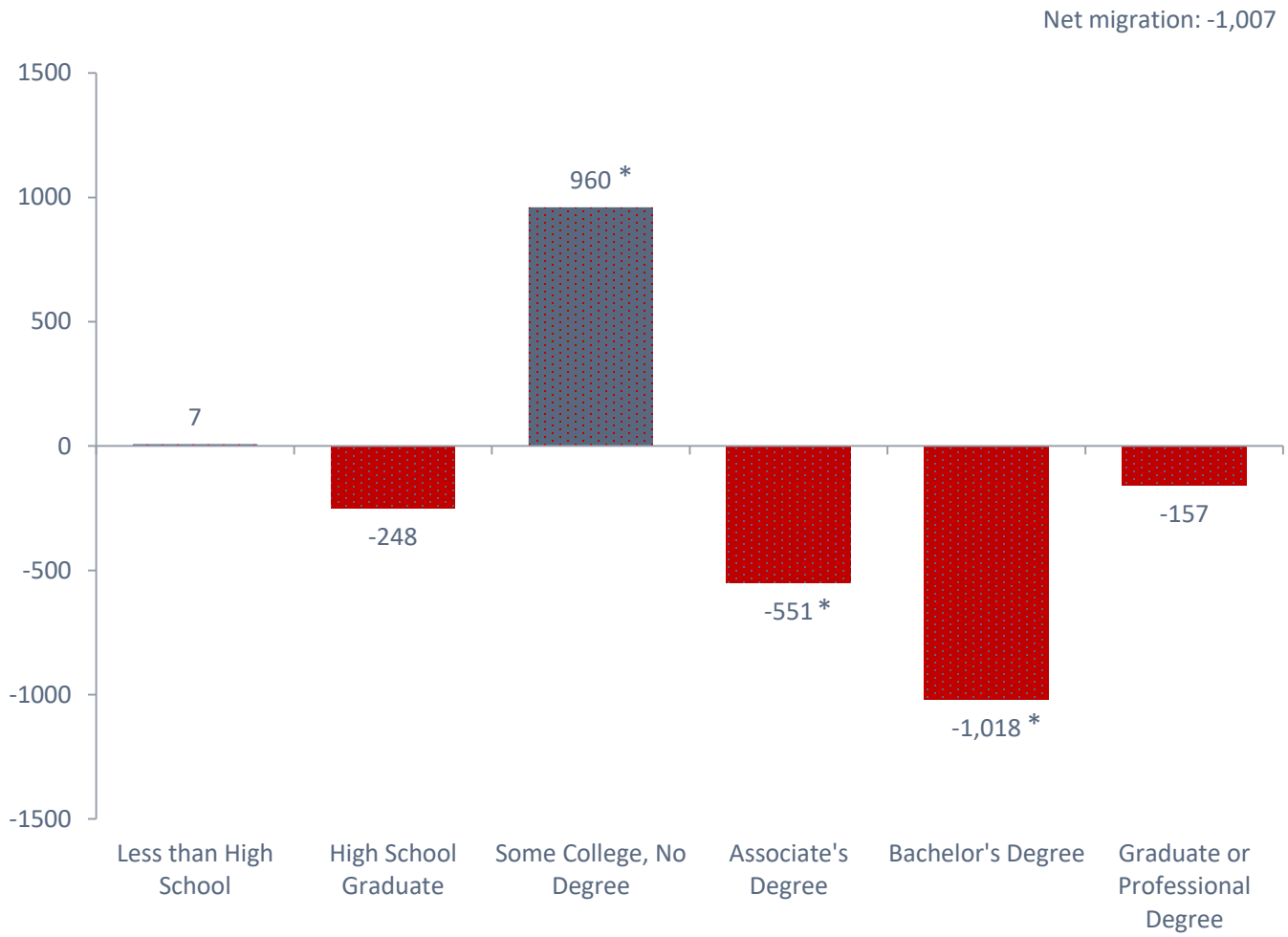
(80 Percent of First-Time Undergraduates Come from Counties Above the Line for Each Institution)

All First Time (count)		Castleton University		Northern Vermont University (Johnson)		Northern Vermont University (Lyndon)		Community College of Vermont		Vermont Technical College	
Non-Resident	372	Non-Resident	41.4%	Non-Resident	31.6%	Non-Resident	48.8%	Chittenden	24.3%	Non-Resident	24.6%
Chittenden	271	Rutland	21.0%	Franklin	14.2%	Caledonia	16.9%	Rutland	11.3%	Chittenden	17.4%
Rutland	170	Chittenden	13.9%	Lamoille	11.6%	Washington	5.0%	Franklin	9.1%	Franklin	10.1%
Franklin	118	Windsor	3.8%	Chittenden	10.3%	Orange	5.0%	Washington	8.4%	Orleans	9.7%
Washington	86	Franklin	3.3%	Caledonia	9.0%	Chittenden	4.4%	Windham	7.6%	Orange	6.3%
Orleans	82	Orange	3.0%	Orleans	5.2%	Orleans	4.4%	Bennington	7.3%	Windsor	5.8%
Caledonia	71	Addison	2.8%	Washington	5.2%	Windsor	3.1%	Orleans	5.7%	Washington	5.3%
Windsor	70	Bennington	2.5%	Orange	4.5%	Essex	3.1%	Addison	5.7%	Rutland	3.9%
Windham	67	Orleans	2.5%	Windsor	3.9%	Franklin	1.9%	Windsor	5.0%	Caledonia	2.9%
Bennington	63	Windham	2.5%	Rutland	1.9%	Lamoille	1.9%	Non-Resident	4.6%	Lamoille	2.9%
Orange	61	Lamoille	1.3%	Addison	1.3%	Rutland	1.9%	Caledonia	3.3%	Windham	2.9%
Addison	58	Washington	1.3%	Windham	0.6%	Addison	1.9%	Orange	3.3%	Addison	2.4%
Lamoille	53	Caledonia	0.8%	Grand Isle	0.6%	Windham	0.6%	Lamoille	3.3%	Bennington	2.4%
Essex	11	Essex	0.0%	Bennington	0.0%	Grand Isle	0.6%	Grand Isle	0.9%	Essex	1.9%
Grand Isle	11	Grand Isle	0.0%	Essex	0.0%	Bennington	0.6%	Essex	0.3%	Grand Isle	1.4%

Source: Vermont State College System

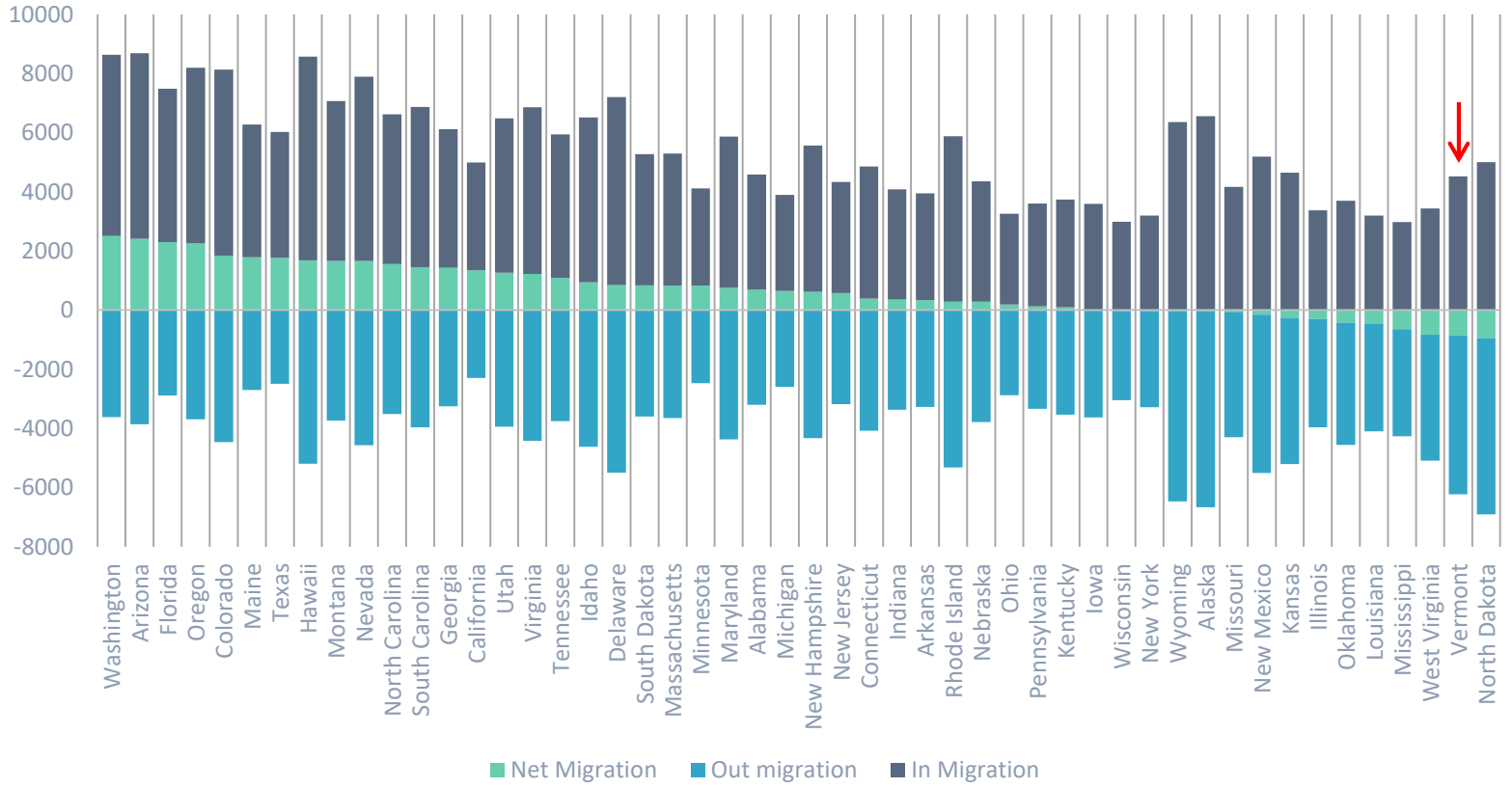
Migration

Average Annual Net Migration of 22 to 64-Year-Olds by Education Level, Vermont, 2013-18



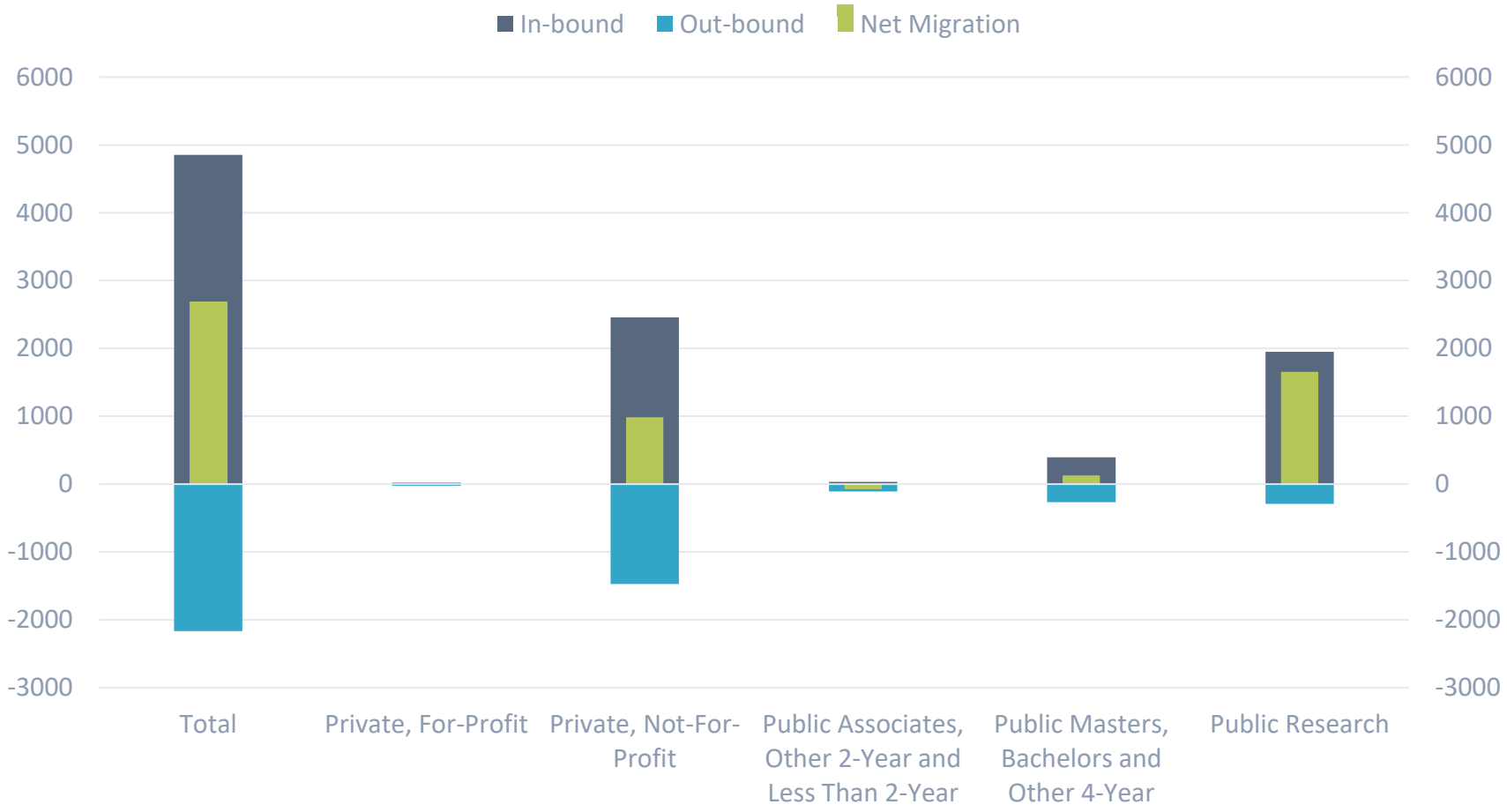
Note: * indicates statistically significant results
Source: U.S. Census Bureau, 2013-18 American Community Survey (ACS) Public Use Microdata Samples.

Average Annual In-, Out- and Net-Migration per 100,000 22-64 Year Olds With an Associate's Degree or Above, 2016-18



Source: U.S. Census Bureau, 2016, 2017, and 2018 American Community Survey (ACS) One-Year Public Use Microdata Samples.

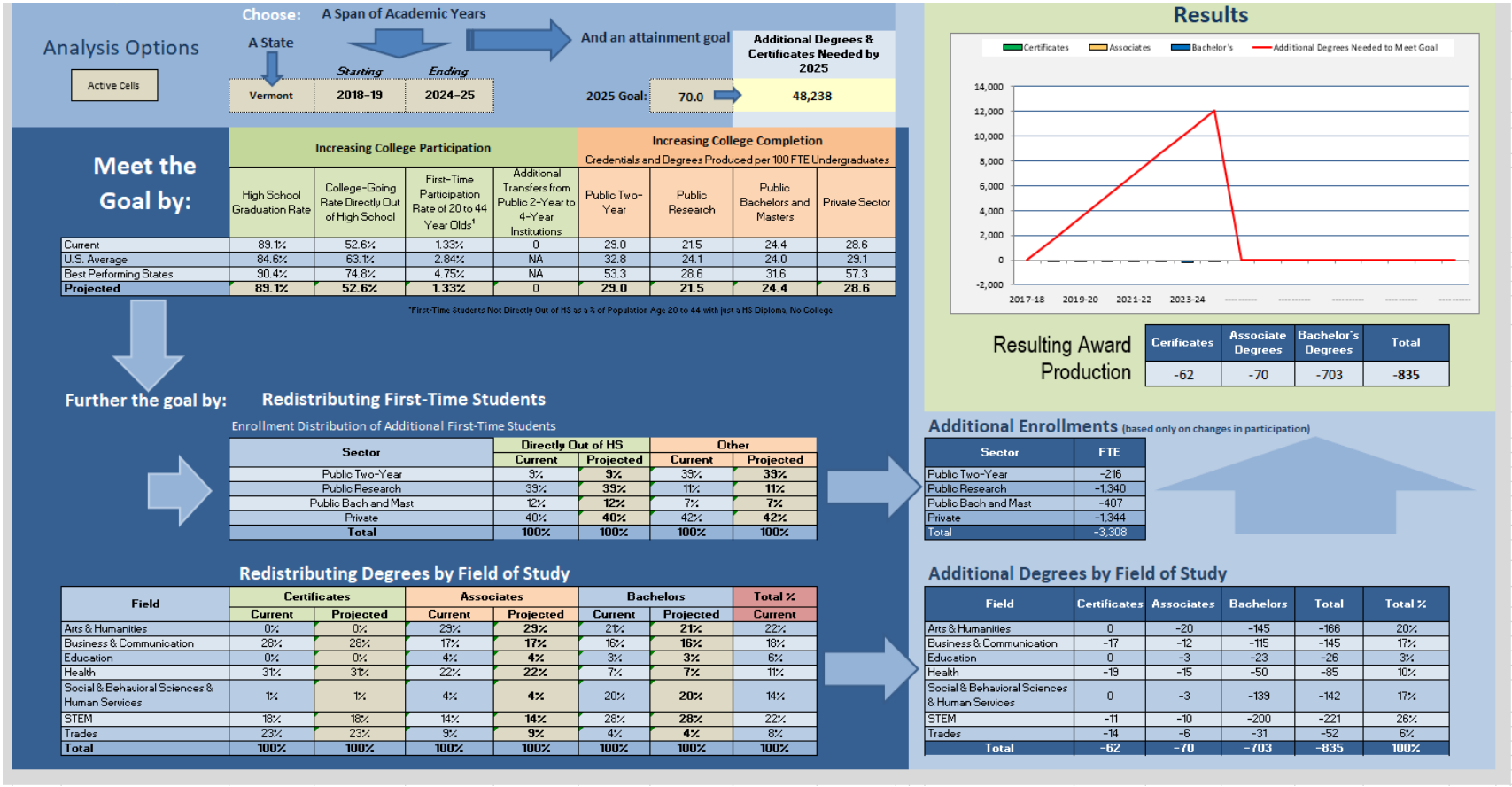
Student Migration, First-time Degree/Certificate-seeking Undergraduate Students, Fall 2018



Source: NCES, IPEDS Fall 2018 Residency and Migration File; ef2018c Provisional Release Data File.
Note: Data restricted to Title IV degree granting institutions. Data reflect in-migrants from U.S. territories and foreign countries. Out migrants to foreign countries cannot be accounted for.

Modeling Achievement of Vermont's State Attainment Goal

NCHEMS' Student Flow Model



At current rates, Vermont will be short of its 70% by 2025 statewide attainment goal by 48,000. Relative to award production levels in 2018-19, the state's institutions will produce 60 fewer certificates, 70 fewer associate's degrees, and 700 fewer bachelor's degrees cumulatively by 2024-25.

Modeling Scenarios & Results

Scenario 1	**Focus on the traditional pipeline**	
	Increase HS graduation rate	89.1 -> 90.4
	Boost direct college-going rate	52.6 -> 74.8
	Yields	4,600 (340 Certs; 360 Assoc; 3,900 Bach)
2	**Focus on adult participation**	
	Increase participation rate	1.33 -> 4.75
	Yields	8,680 (1,120 Certs; 2,380 Assoc; 5,180 Bach)
3	**Focus on completion to U.S. Average**	
	Increase two-year	29.0 -> 32.8
	Increase public bacc/master's	21.5 -> 24.1
	Increase public research	No change
	Yields	930 (50 Certs; 360 Assoc; 520 Bach)

Modeling Scenarios & Results

Scenario 4

Focus on completion to best-performing state	
Increase two-year (10% above U.S. average)	29.0 -> 36.1
Increase public bacc/master's (best)	21.5 -> 28.6
Increase public research (best)	24.4 -> 31.6
Yields	4,470 (150 Certs; 790 Assoc; 3,530 Bach)

5

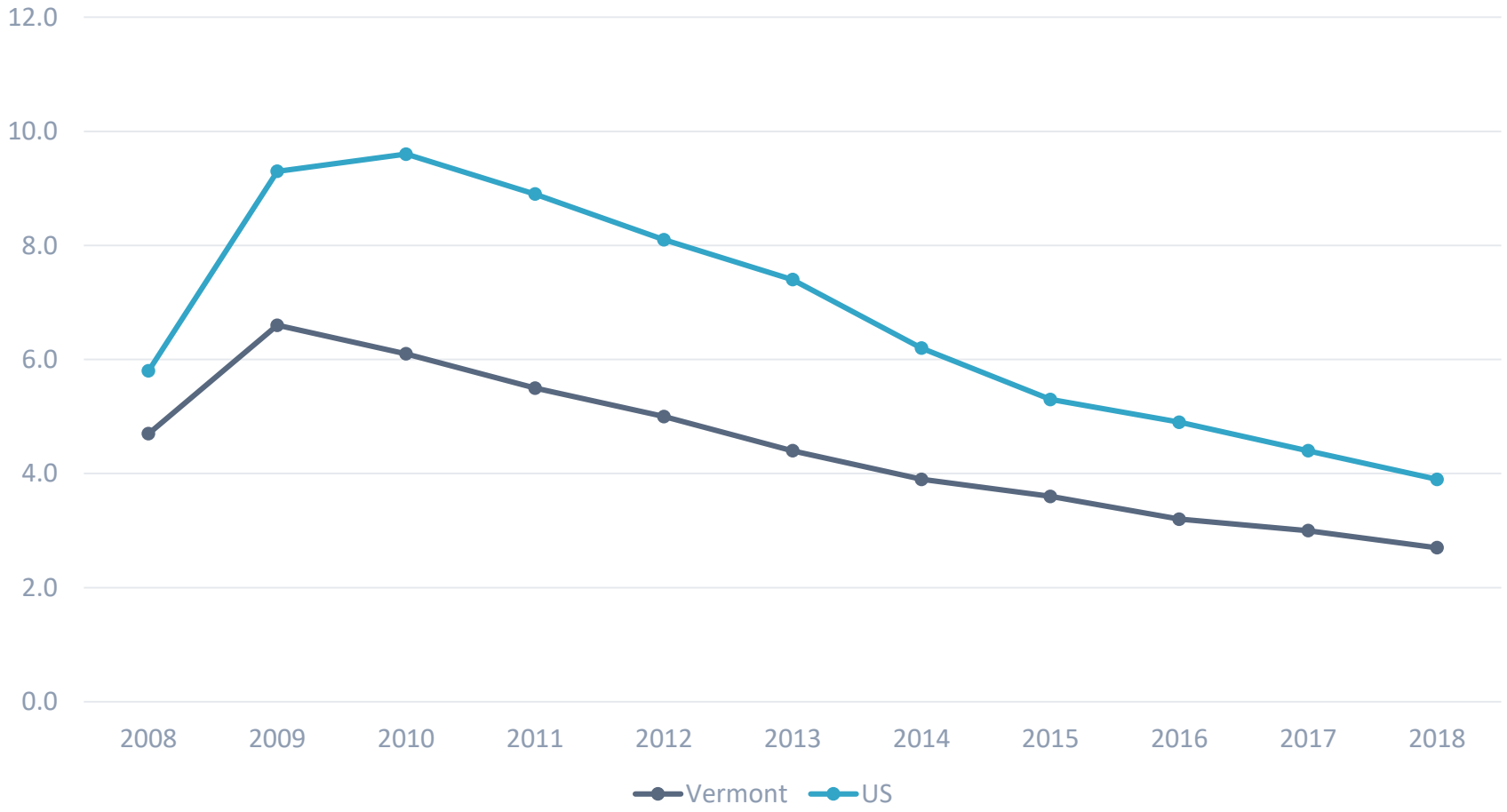
Improvements Everywhere	
Increase HS graduation rate	89.1 -> 90.4
Boost direct college-going rate	52.6 -> 74.8
Increase participation rate	1.33 -> 4.75
Increase two-year (10% above U.S. average)	29.0 -> 36.1
Increase public bacc/master's (best)	21.5 -> 28.6
Increase public research (best)	24.4 -> 31.6
Yields	21,000 (1,840 Certs; 4,110 Assoc; 15,050 Bach)

Summary of Modeling Scenarios

- Vermont could make significant improvements in all aspects of participation and completion and still fall well short of the credential requirements to meet its goal.
- This is partly due to the heavy emphasis on bachelor's degrees in the state; the burden of producing sub-baccalaureate credentials is confined to 1-2 institutions with only a small share of the market.
- It is also the consequence of poor performance on degree productivity measures in the VSC institutions, and likely because CCV and VTC are underinvested in certificate programs relative to other undergraduate awards.
- These results reinforce the observation that achieving educational attainment targets will require the retainment of home-grown talent and the recruitment of talent from elsewhere.

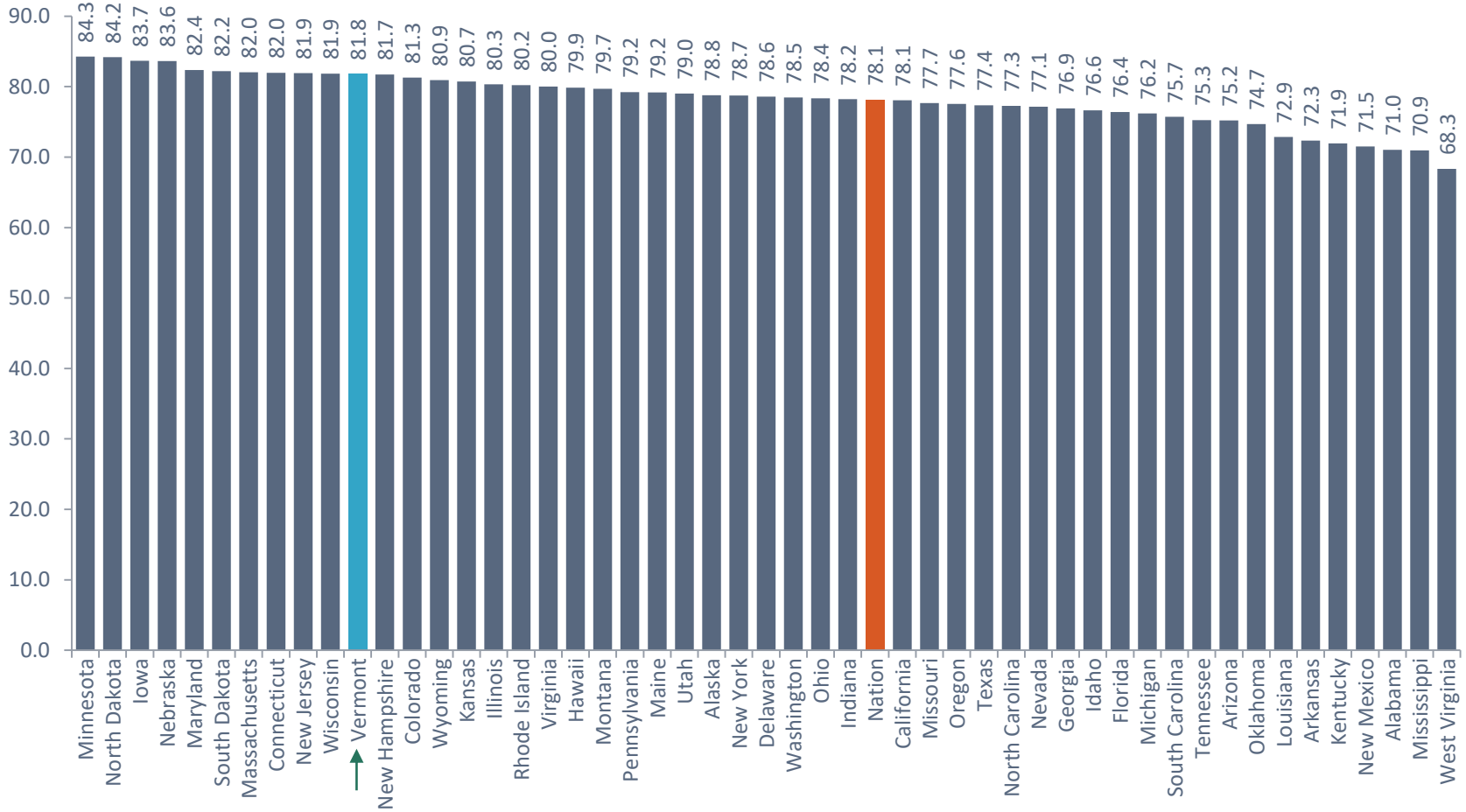
Economy and Workforce

Vermont and National Unemployment Rates, 2008-2017



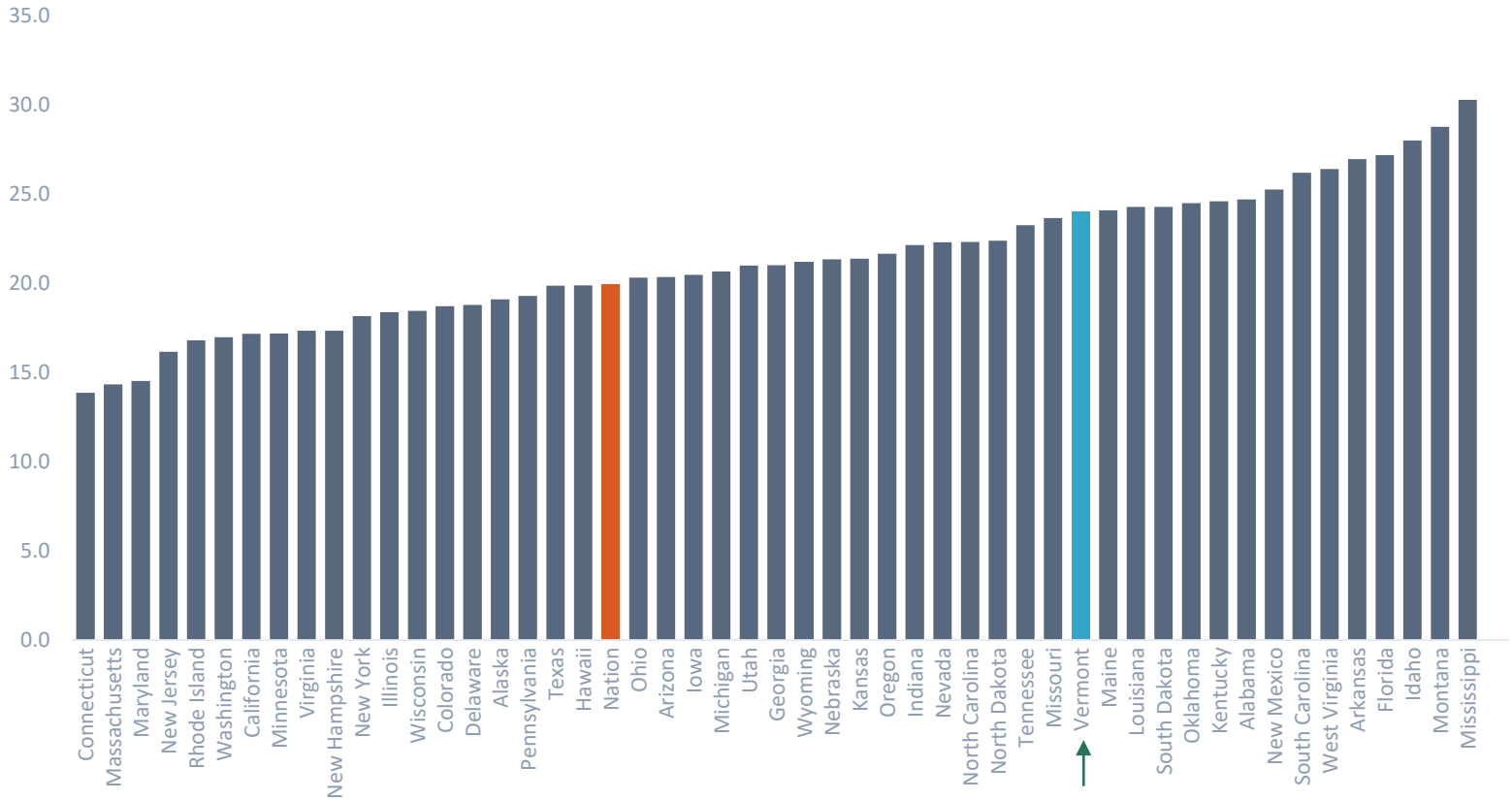
Source: Bureau of Labor Statistics
Note: Not Seasonally Adjusted

Percent of Civilian Population Age 25-64 Participating in the Labor Force, 2018



Source: U.S. Census Bureau, 2018 American Community Survey One-Year Public Use Microdata Sample.

Percent of Workers Earning Low Wages, Associate and Above, 2017

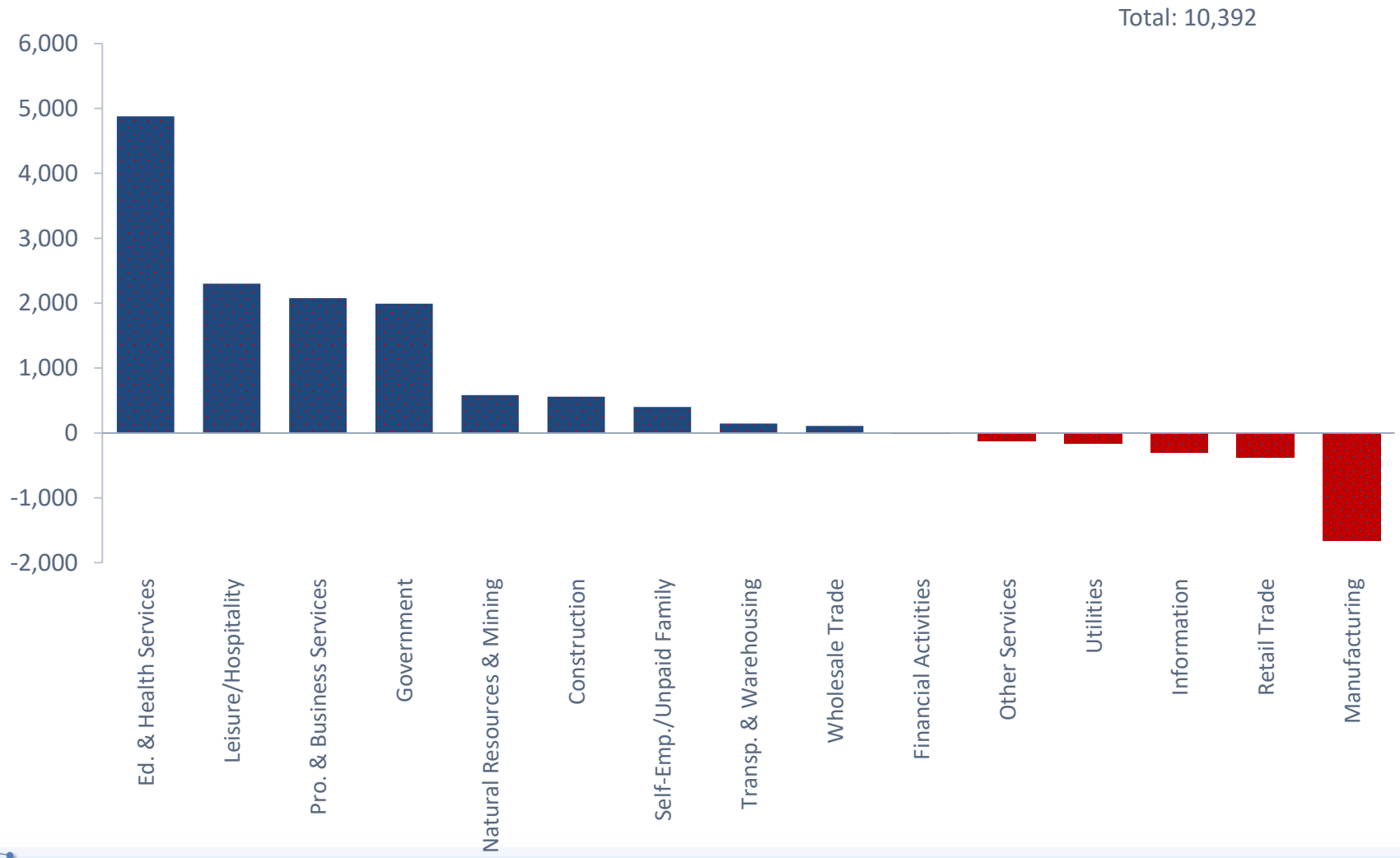


Source: U.S. Census Bureau, 2017 American Community Survey One-Year Public Use Microdata Sample.

Average Annual Employment by Industry, 2016-18

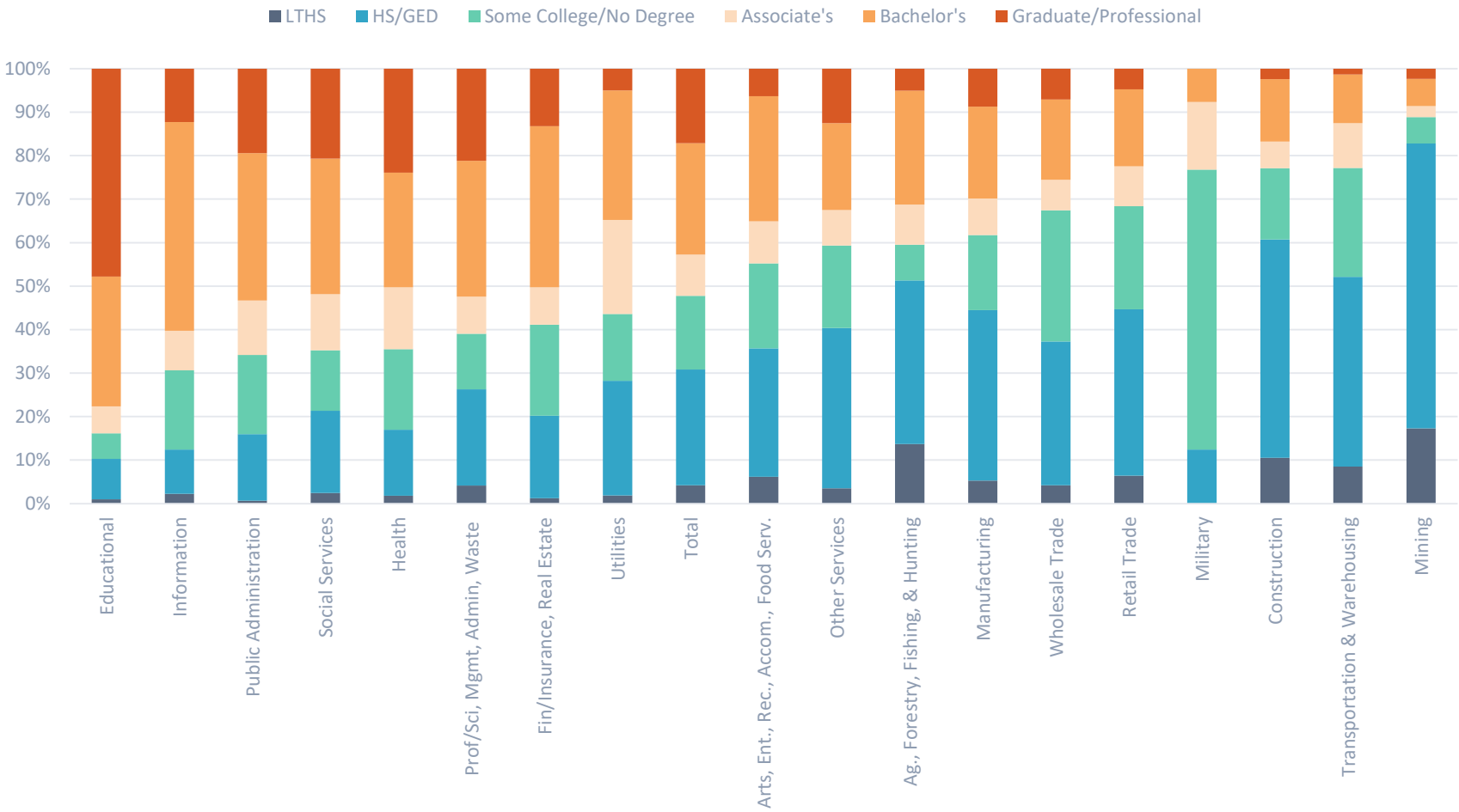
Source: U.S. Census Bureau, 2016, 2017, and 2018 American Community Survey One-Year Public Use Microdata Samples.
Note: Figures aggregated for employed persons age 25-64 with positive wage earnings.

Change in Employment by Industry, 2016-2026, Vermont



Source: Vermont Department of Labor. Note: Deviation in published data and chart data due to data not meeting disclosure standards.

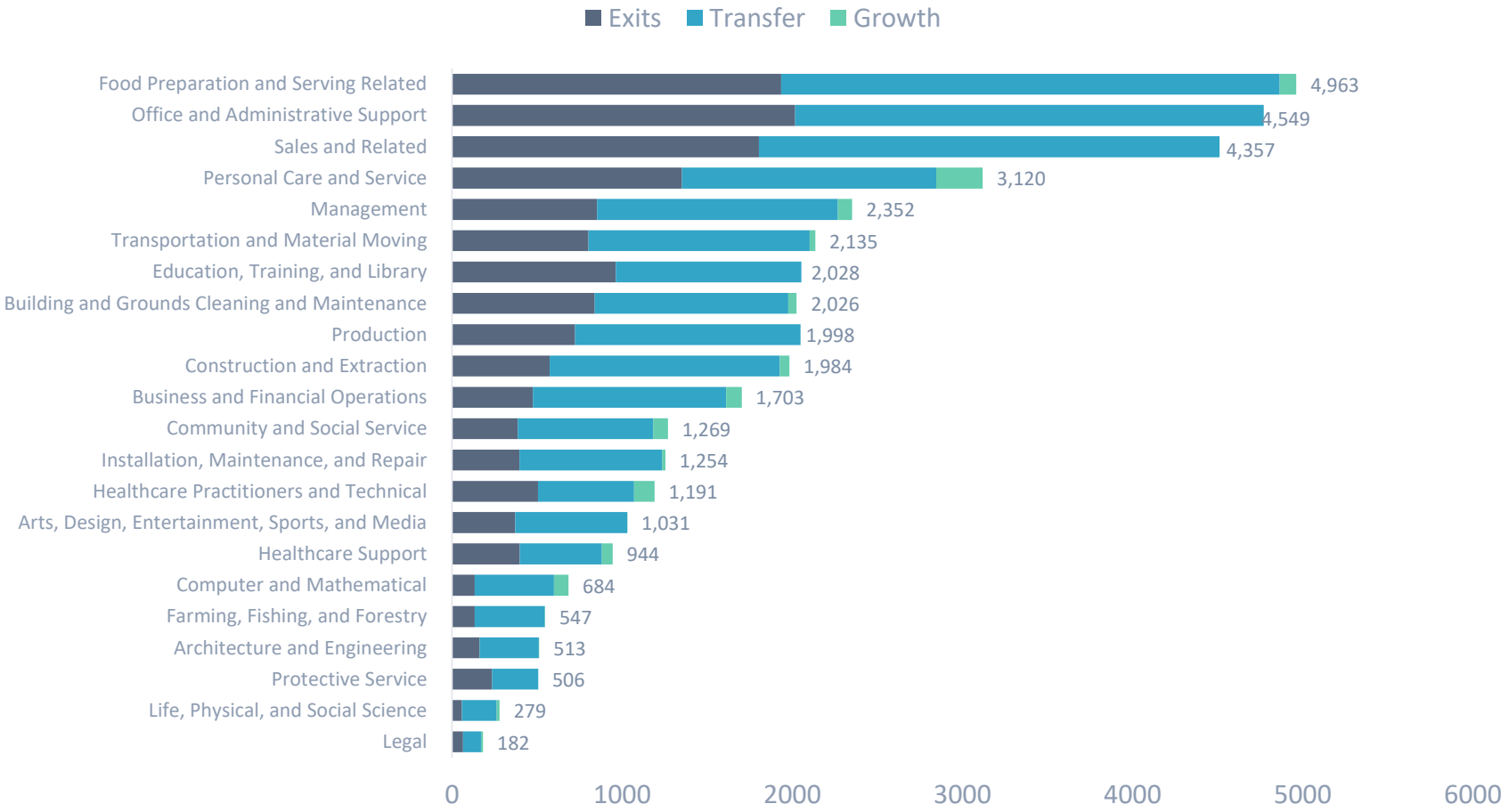
Vermont Industry Employment by Level of Education, 2016-18



Source: U.S. Census Bureau, 2016, 2017, and 2018 American Community Survey One-Year Public Use Microdata Samples.
Note: Figures aggregated for employed persons age 25-64 with positive wage earnings.

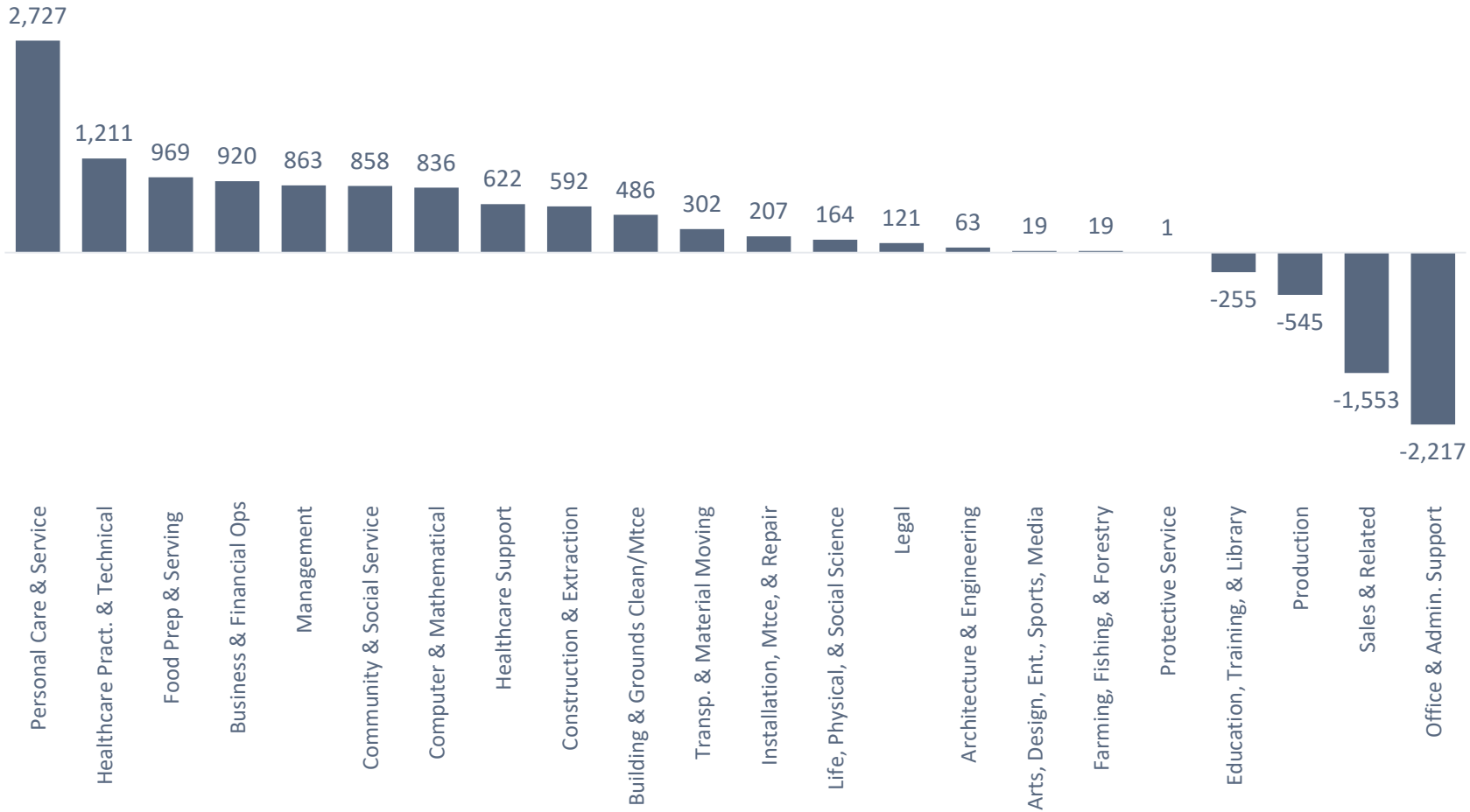
Projected Annual Job Openings by Occupation, 2018-2028

Exits:	16,007
Transfer:	25,075
Growth:	649
Total:	41,731



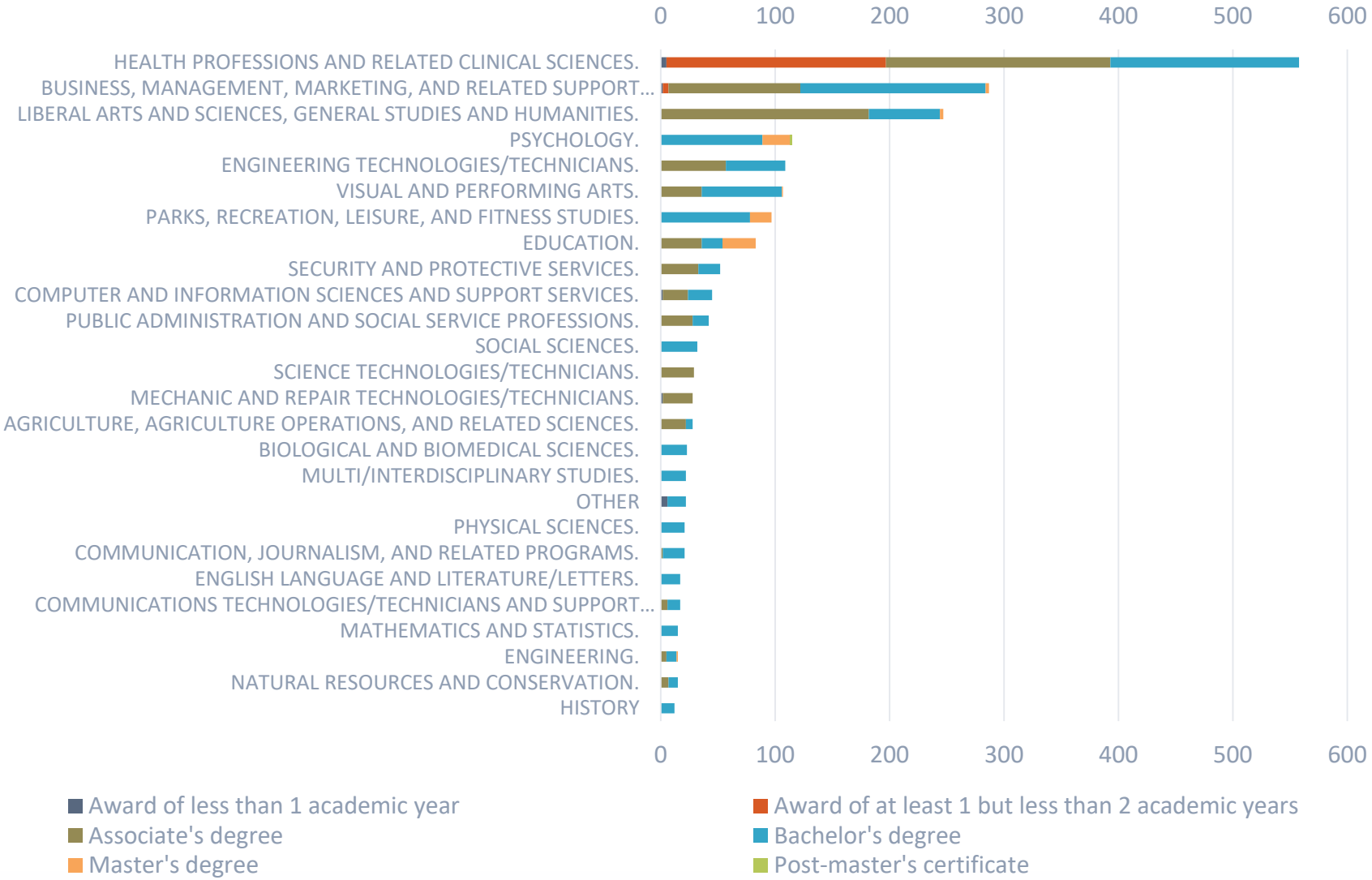
Source: Vermont Department of Labor

Employment Projections by Occupation, Vermont, 2018-2028 (Count)



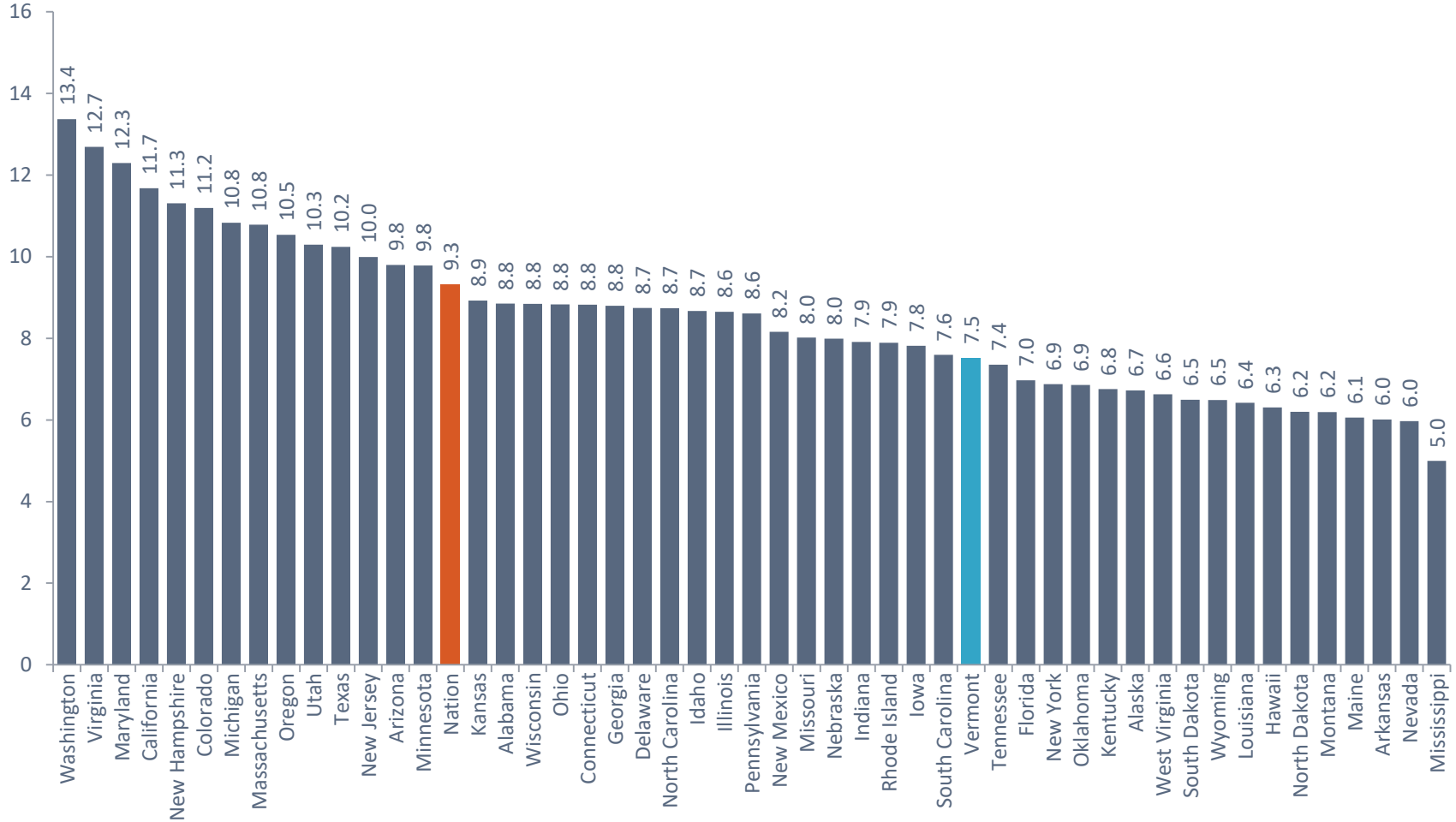
Source: Vermont Department of Labor

Awards by Selected 2-Digit CIP, Vermont State Colleges, 2017-18



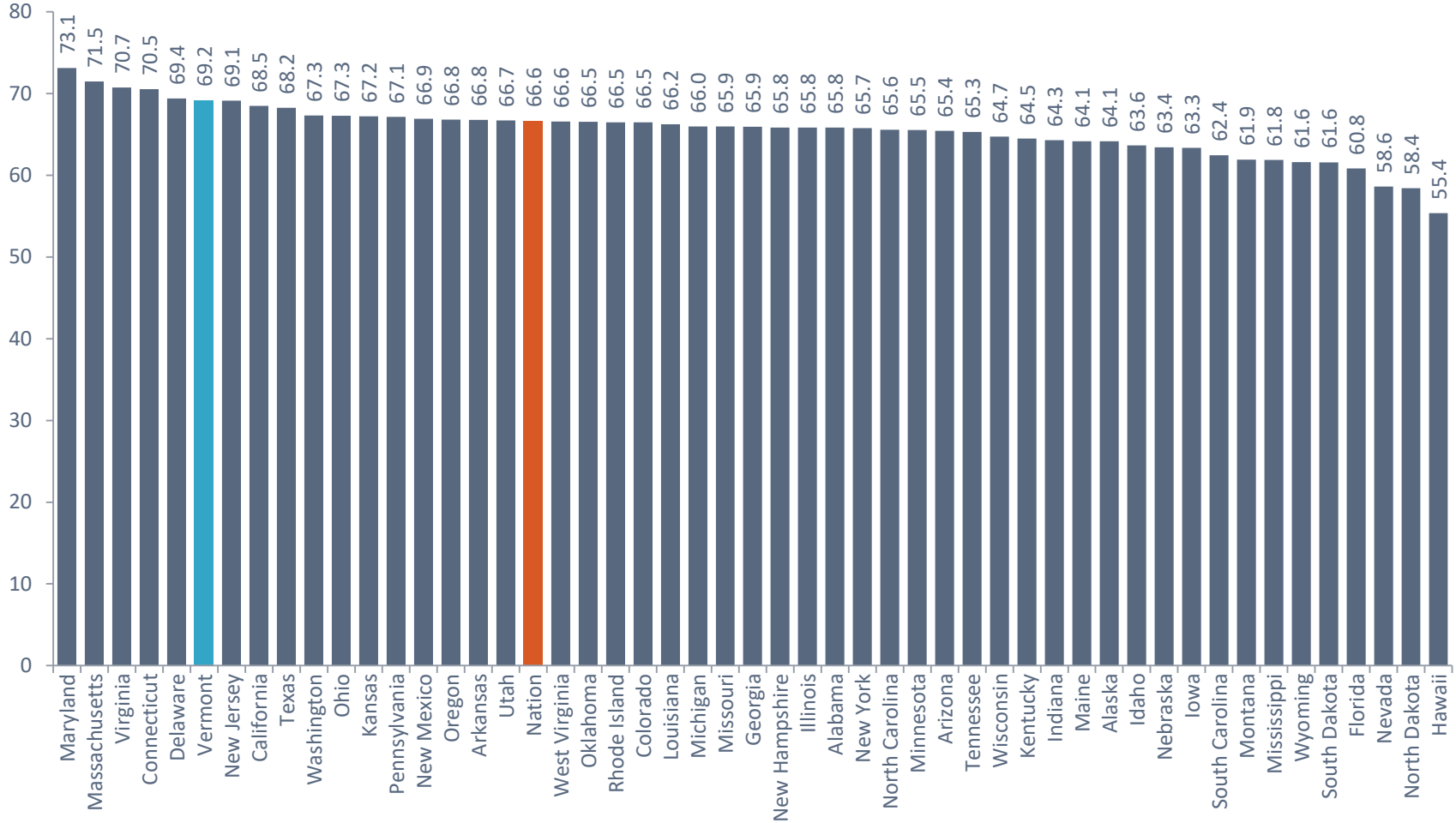
Source: NCES IPEDS IPEDS c2019_a

Percent of Adults Aged 25 to 64 with College Degrees Employed in High Tech Occupations (2016-18)



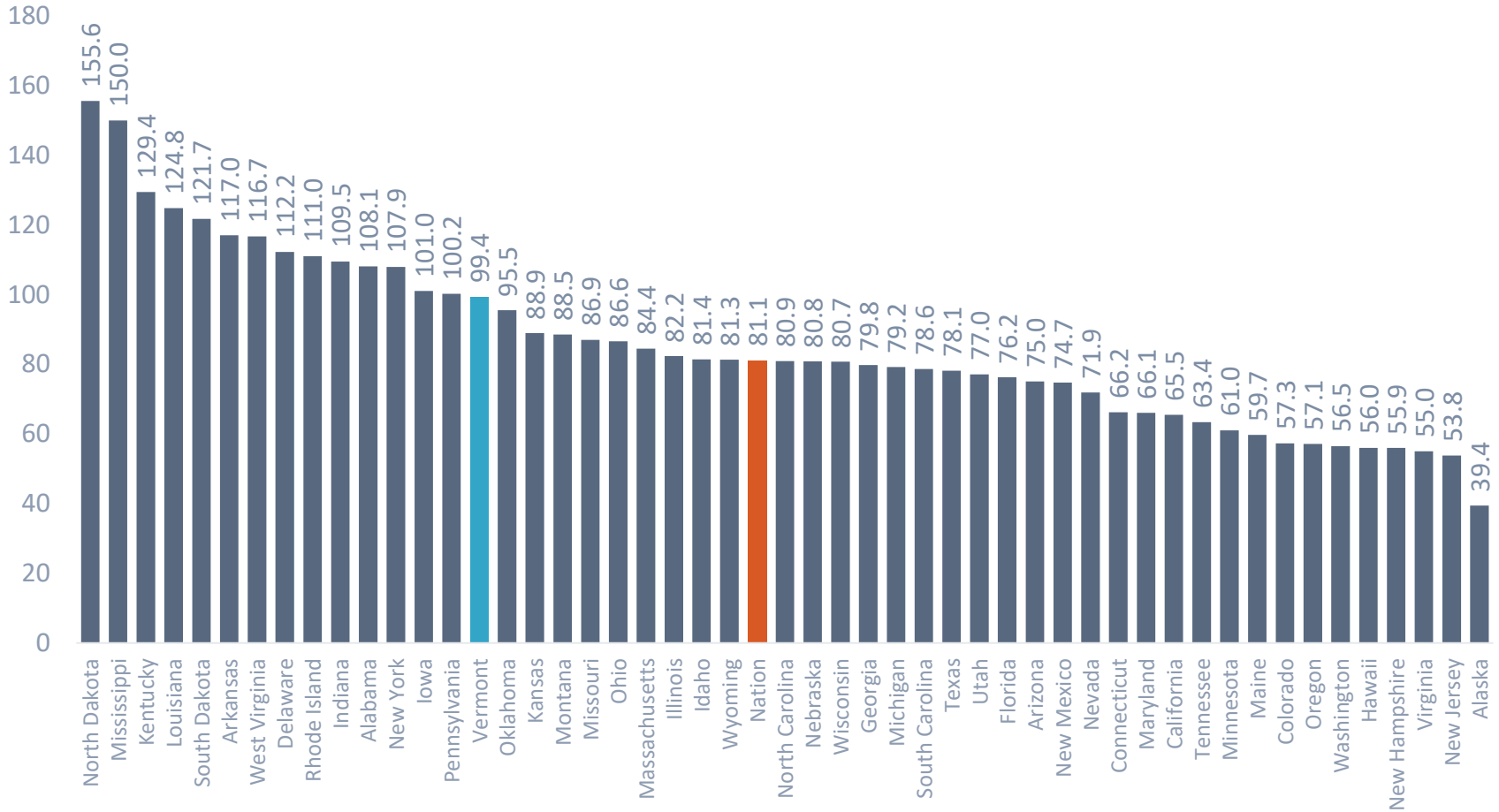
Source: U.S. Census Bureau, 2016, 2017, and 2018 American Community Survey One-Year Public Use Microdata Samples.

Percent of Adults Aged 25 to 64 with College Degrees Employed in Management & Professional Occupations (2016-18)



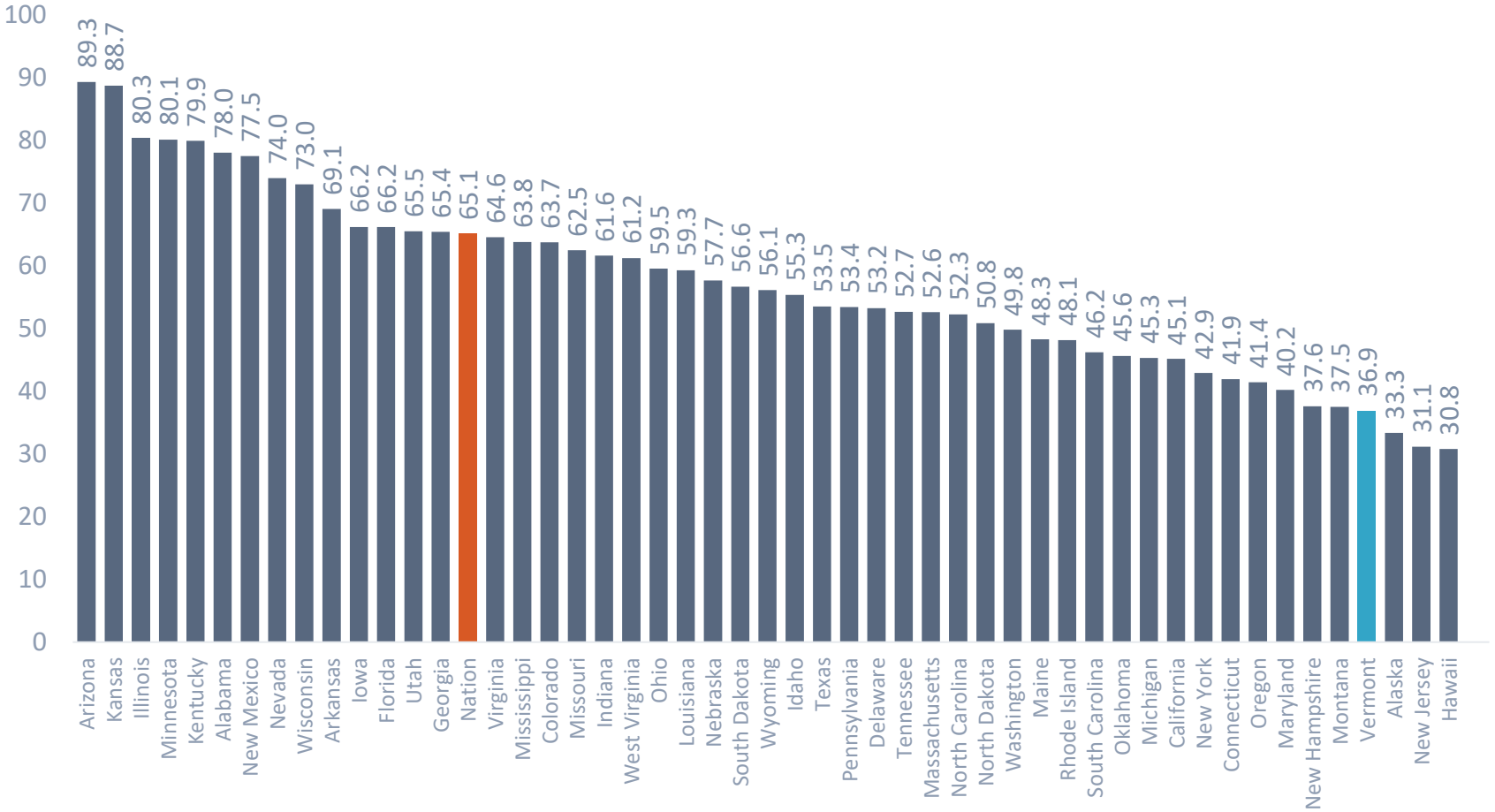
Source: U.S. Census Bureau, 2016, 2017, and 2018 American Community Survey One-Year Public Use Microdata Samples.

STEM Credentials Awarded per 1,000 STEM Employees, 2017-18



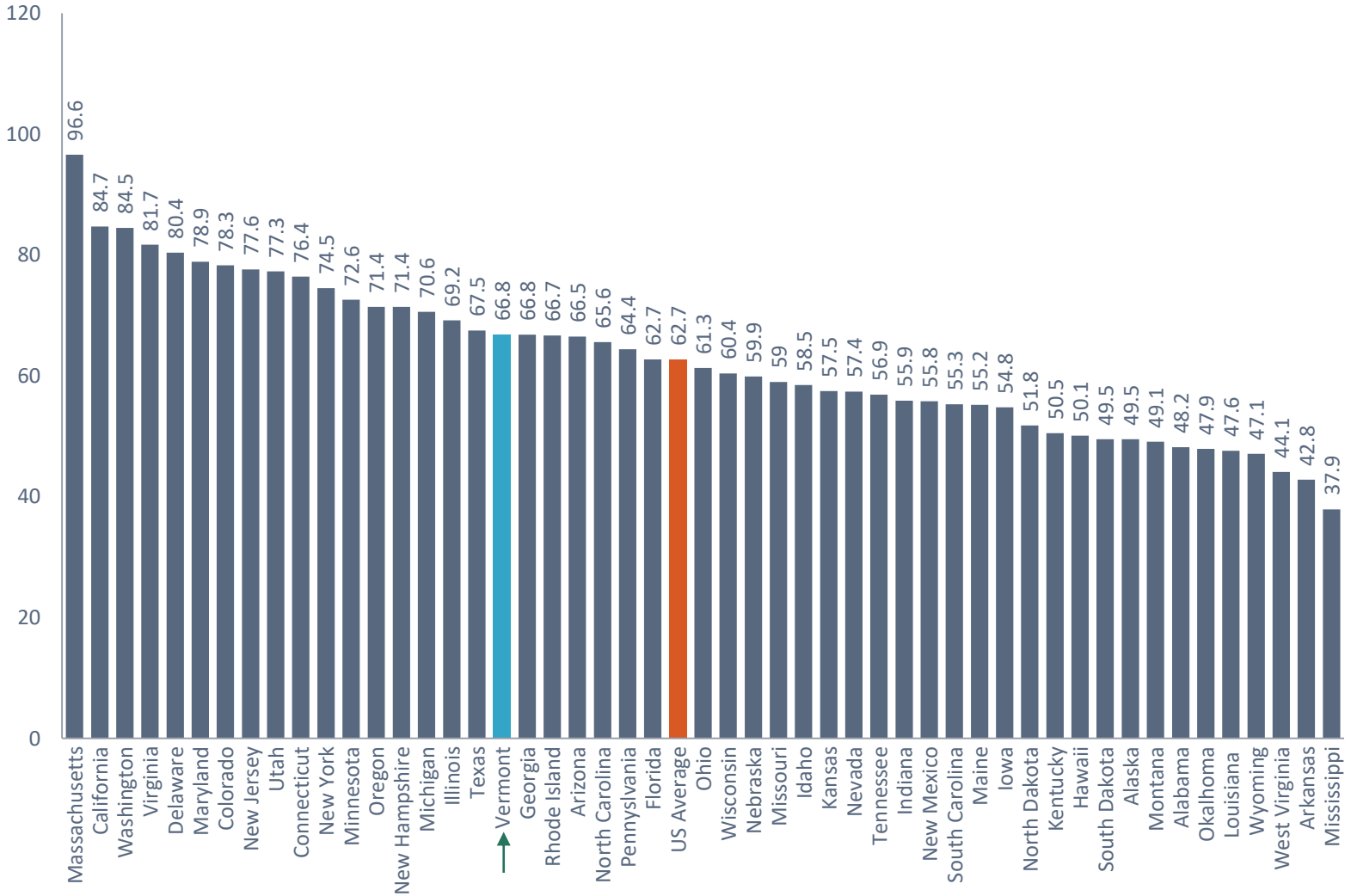
Source: NCES, IPEDS 2017-18 Completions File; c2018_a Provisional Release Data File.
U.S. Census Bureau, 2018 American Community Survey.

Health Credentials Awarded per 1,000 STEM Employees, 2017-18



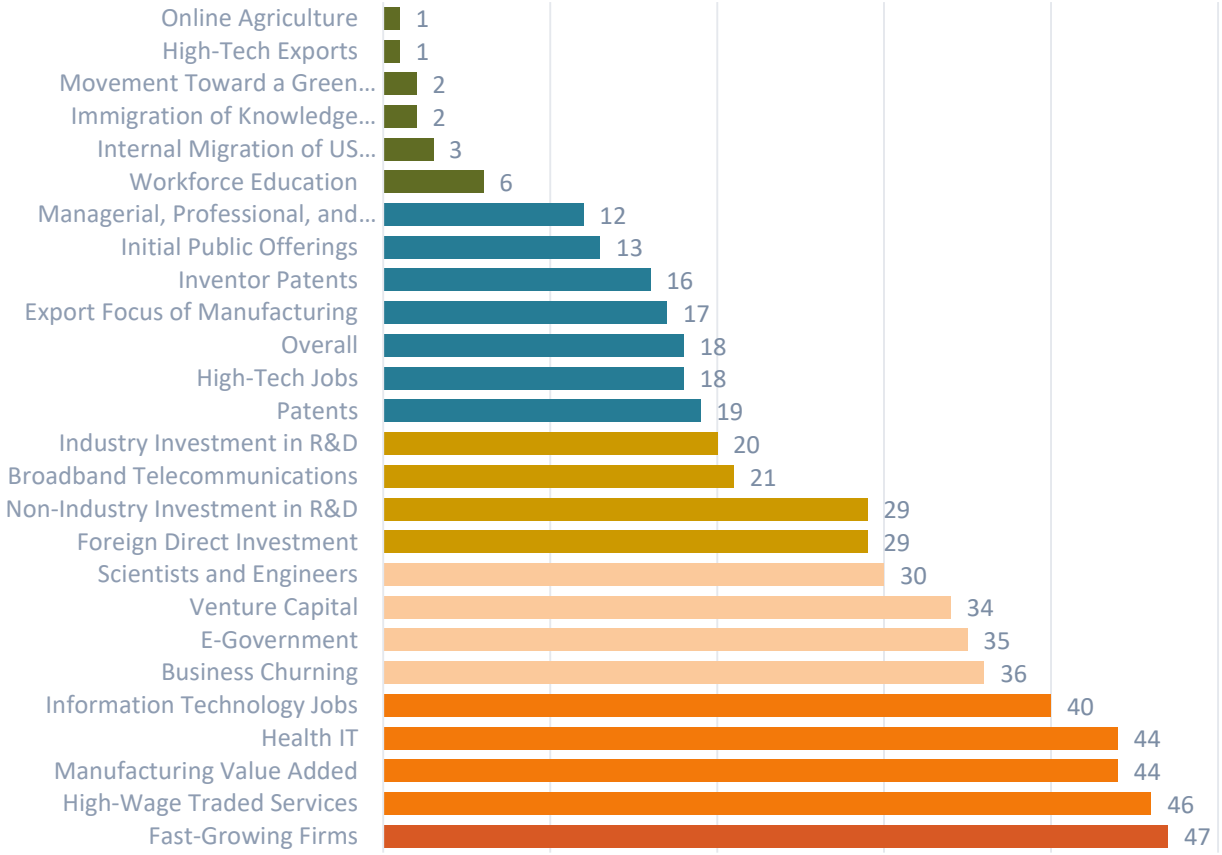
Source: NCES, IPEDS 2017-18 Completions File; c2018_a Provisional Release Data File.
U.S. Census Bureau, 2018 American Community Survey.

2017 State New Economy Index – Overall Index Scores



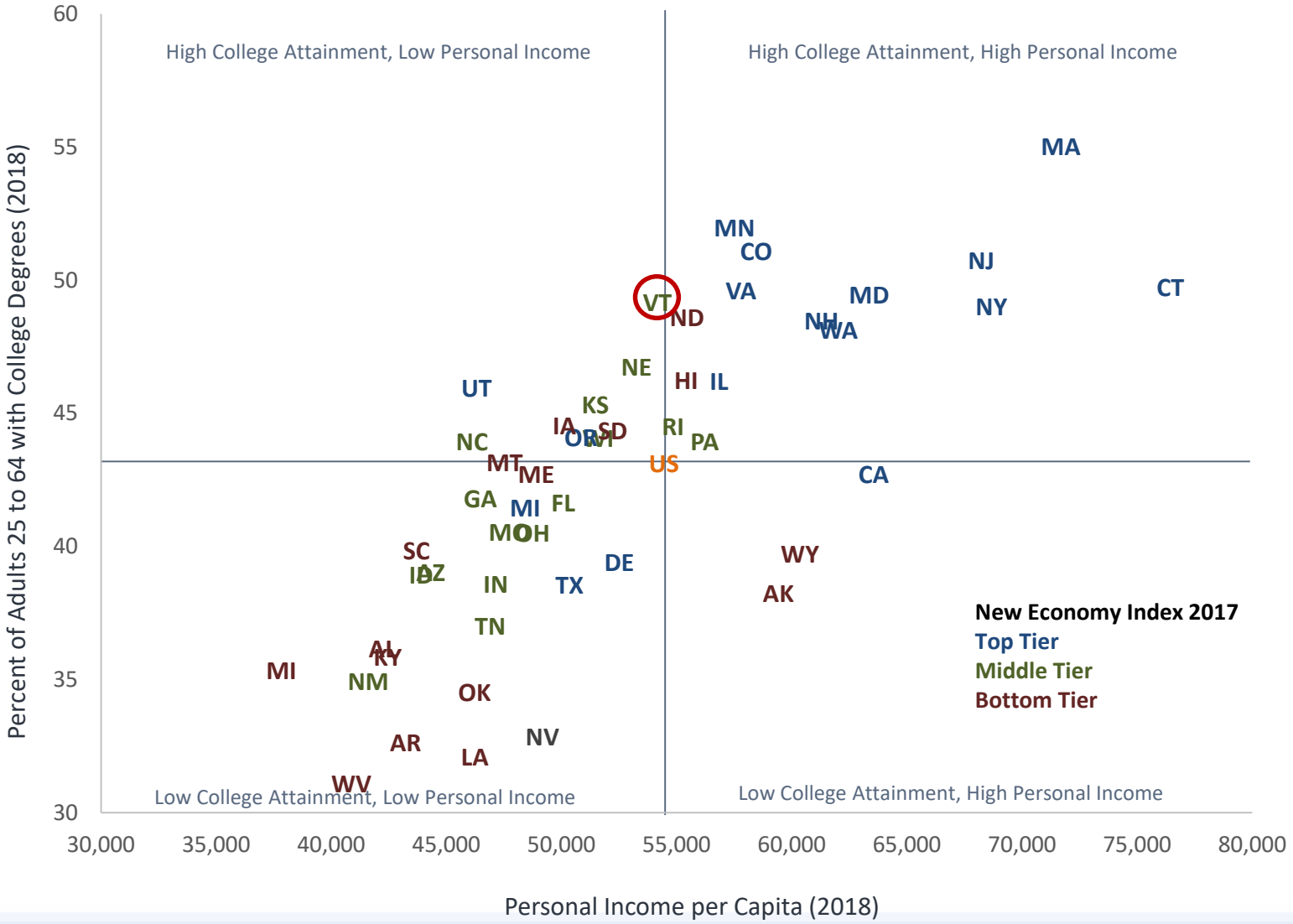
Source: ITIF 2017 States New Economy Index

Vermont Rankings in the New Economy Index, 2017



Source: ITIF, The 2017 State new Economy Index,

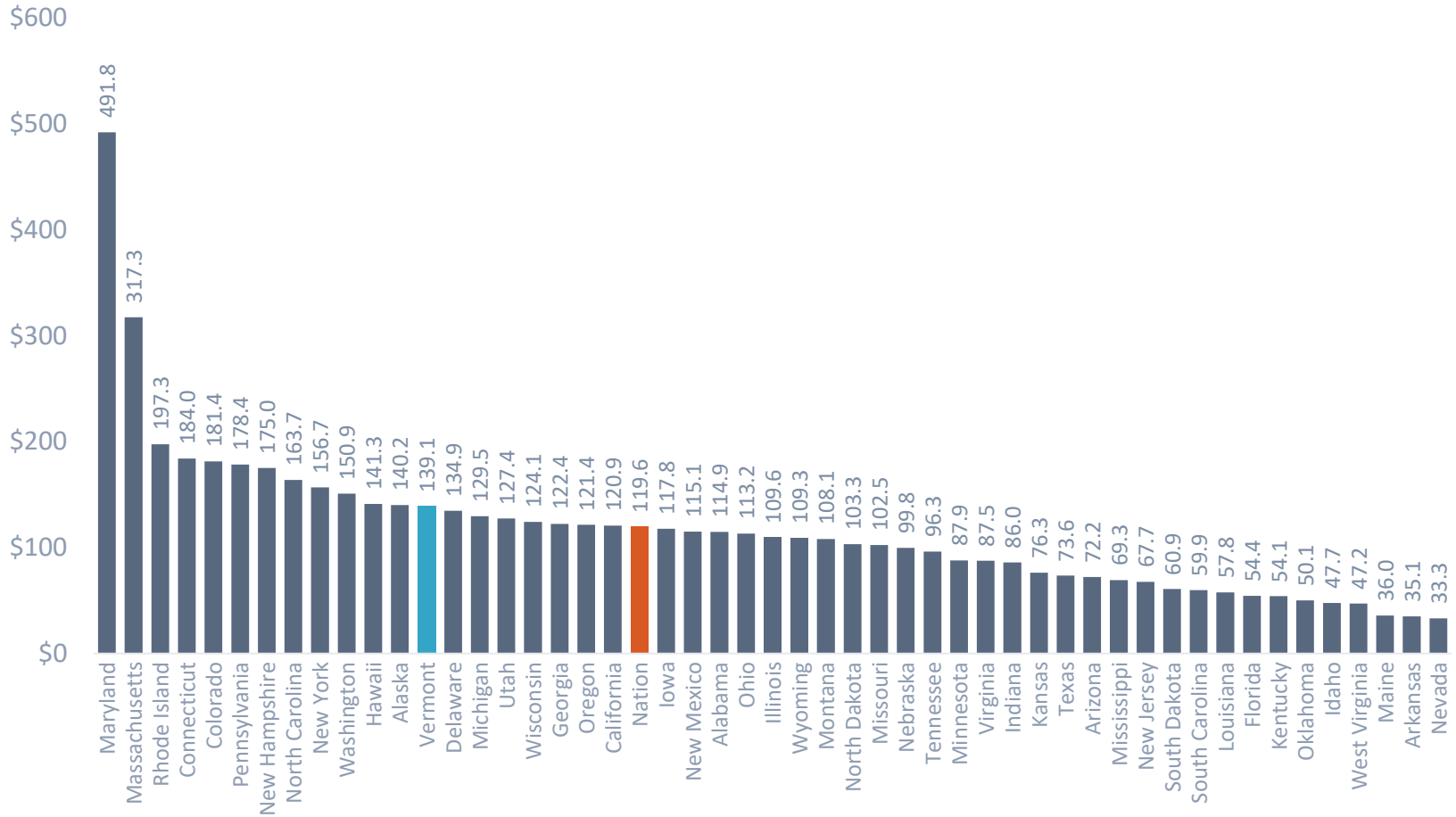
The Relationship Between Educational Attainment, Personal Income, and the State New Economy Index



Source: U.S. Census Bureau, American Community Survey; Bureau of Economic Analysis; ITIF

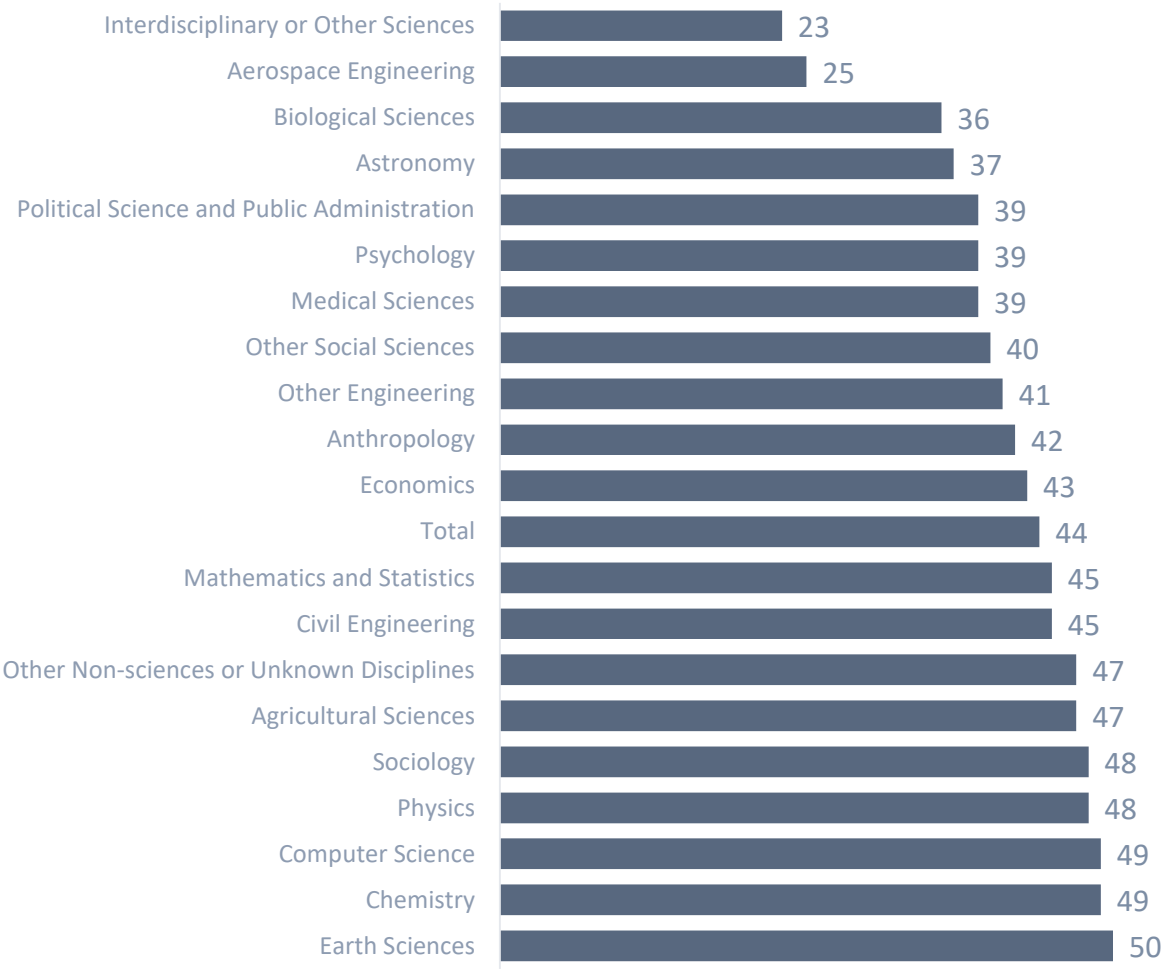
Research

Federally Financed R&D Expenditures Per Capita, State Totals, 2016



Source: National Science Foundation; WebCASPAR

R&D Expenditures at Universities and Colleges/Higher Education Institutions by Field, Vermont Rank (2016)

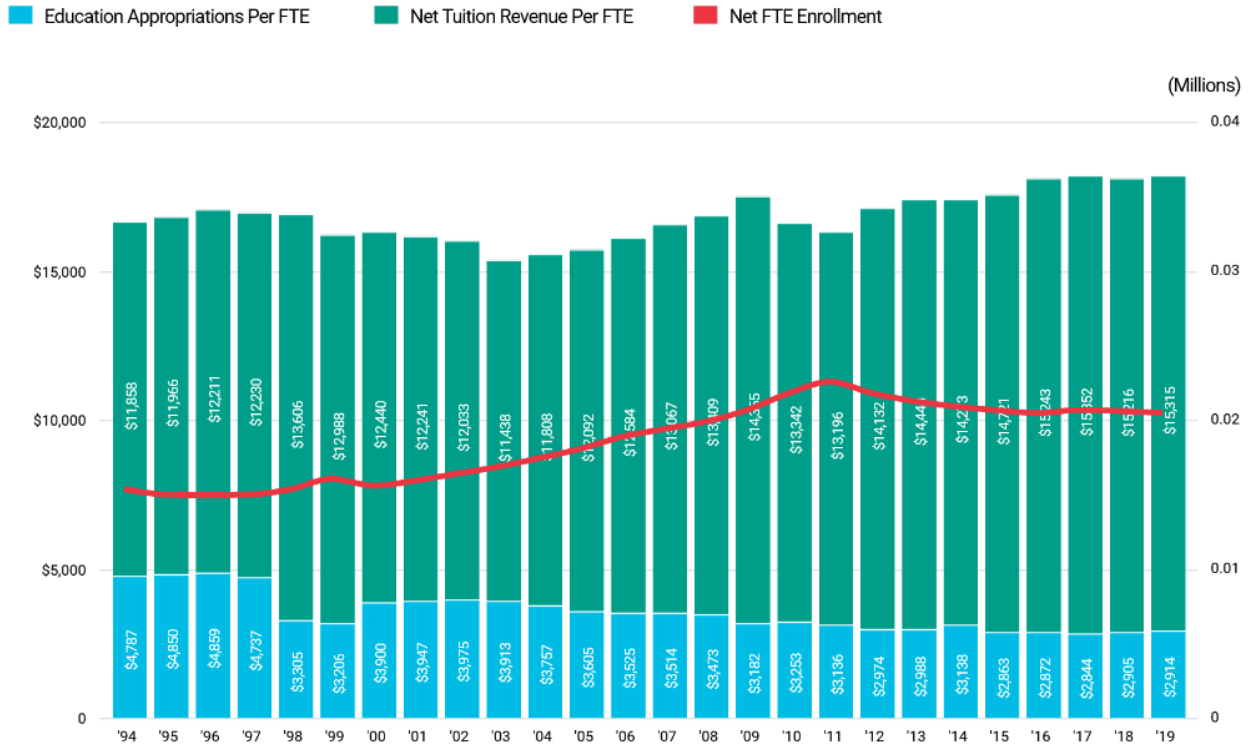


Source: NSF Survey of Research and Development Expenditures at Universities and Colleges/Higher Education Research & Development Survey; National Science Foundation; WebCASPAR, http://ncsesdata.nsf.gov/webcaspar/ . Vermont does not hold a rank in the following disciplines: Chemical, Electrical, Mechanical, Materials and Industrial Engineering; Other Physical Sciences, Atmospheric Sciences, Oceanography, Other Geosciences, Other Life Sciences, Humanities, Arts and Music, Education, Business and Management, Communication and Librarianship, Law, and Social Service Professions.

Finance and Productivity

Vermont's Heavy and Increasing Reliance on Tuition Revenue

Public FTE Enrollment, Education Appropriations Per FTE, and Net Tuition Revenue Per FTE, Vermont, FY 1994-2019 (Constant Adjusted Dollars)

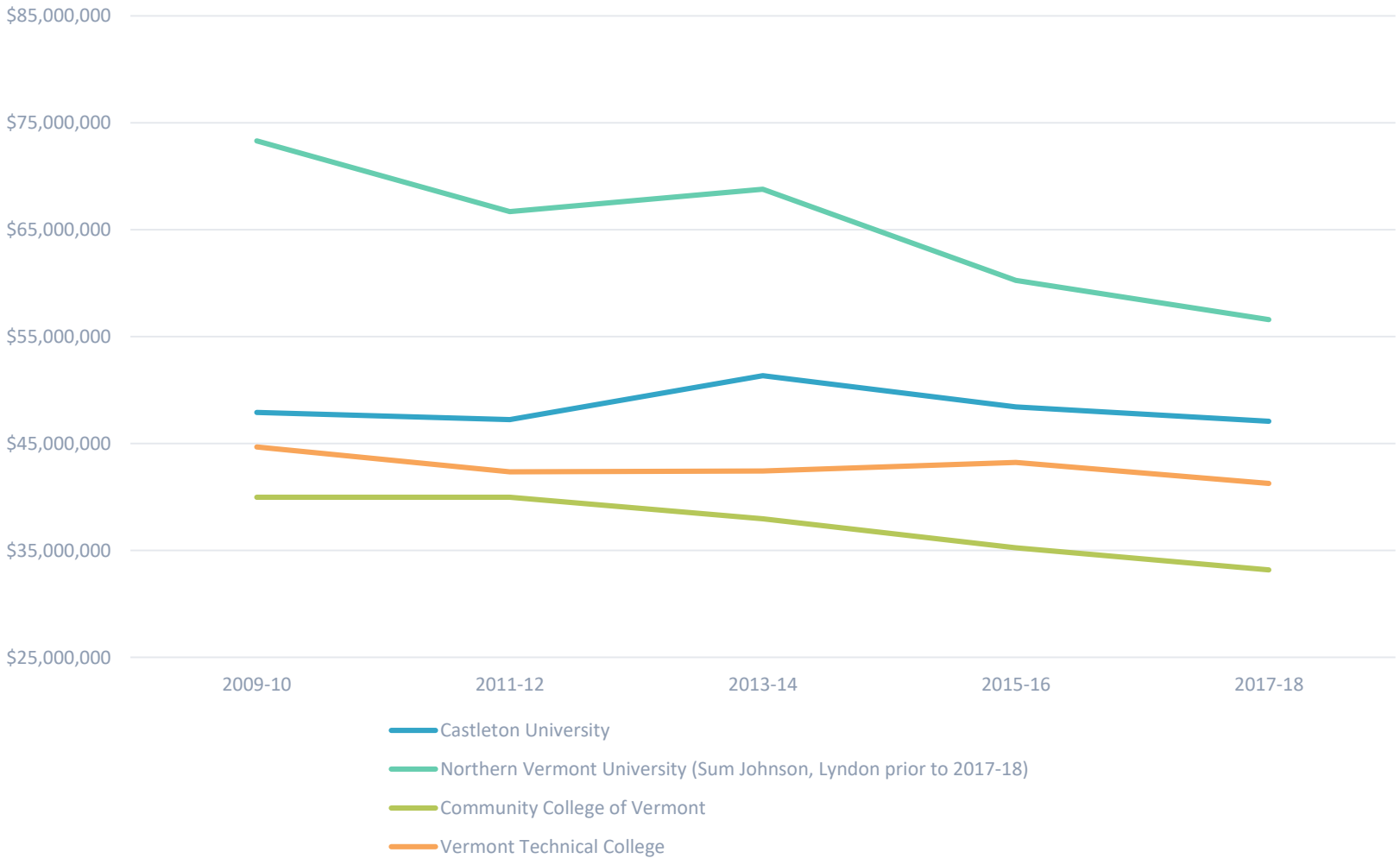


Notes:

1. Full-time equivalent enrollment converts student credit hours to full-time, academic year students, but excludes medical students.
2. Education appropriations are a measure of state and local support available for public higher education operating expenses, excluding appropriations for research, hospitals, and medical education.
3. Net tuition revenue is calculated by taking the gross amount of tuition and fees, less state and institutional financial aid, tuition waivers or discounts, and medical student tuition and fees.
4. Constant dollars adjusted by the Higher Education Cost Adjustment (HECA).
5. Adjusted to account for interstate differences using the Enrollment Mix Index (EMI).
6. Adjusted to account for interstate differences using the Cost of Living Index (COLI). The COLI is not a measure of inflation over time.

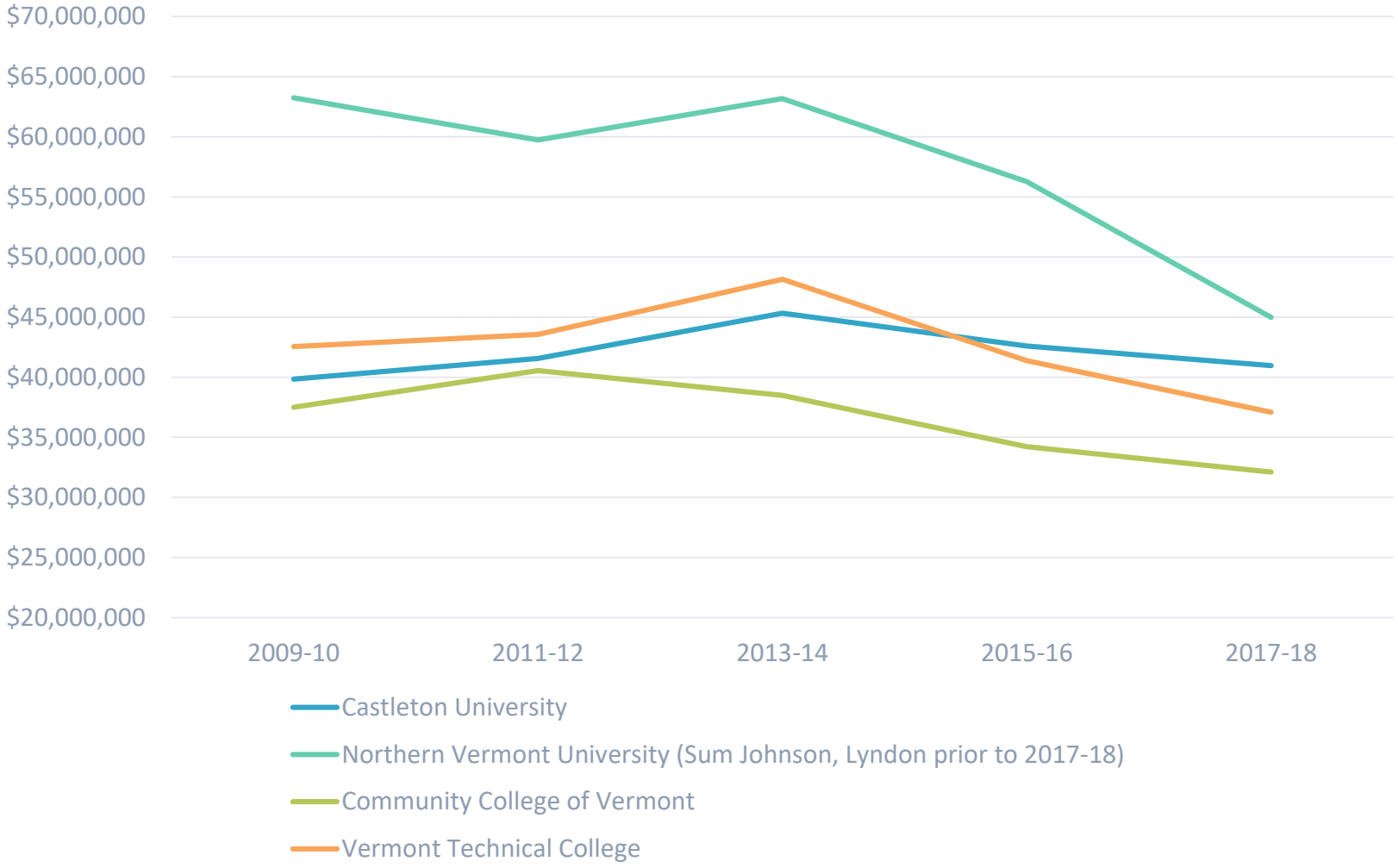
Source(s): State Higher Education Executive Officers Association

Total Revenues, Vermont College System Institutions



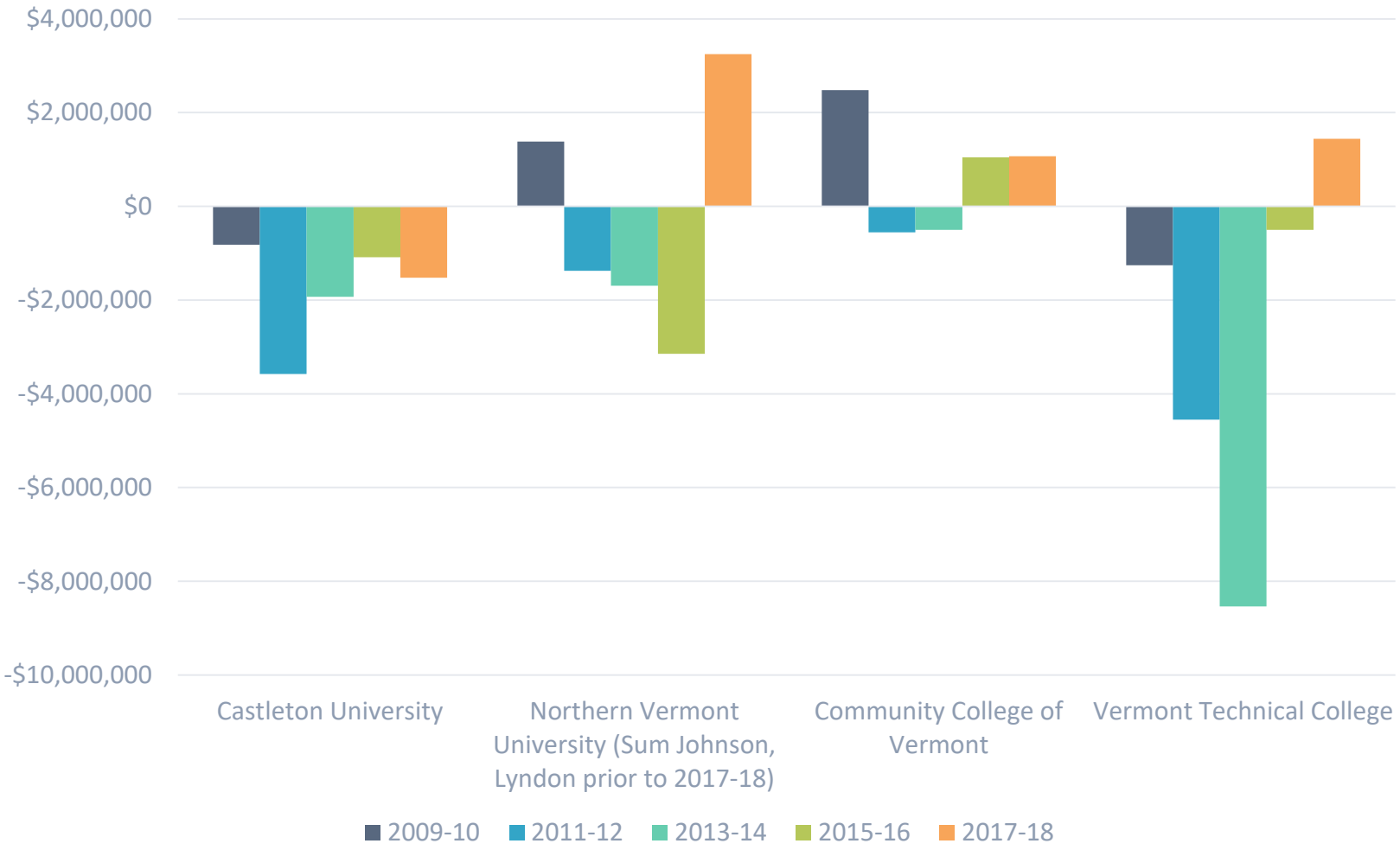
Source: NCES IPEDS

Total Expenditures, Vermont College System Institutions



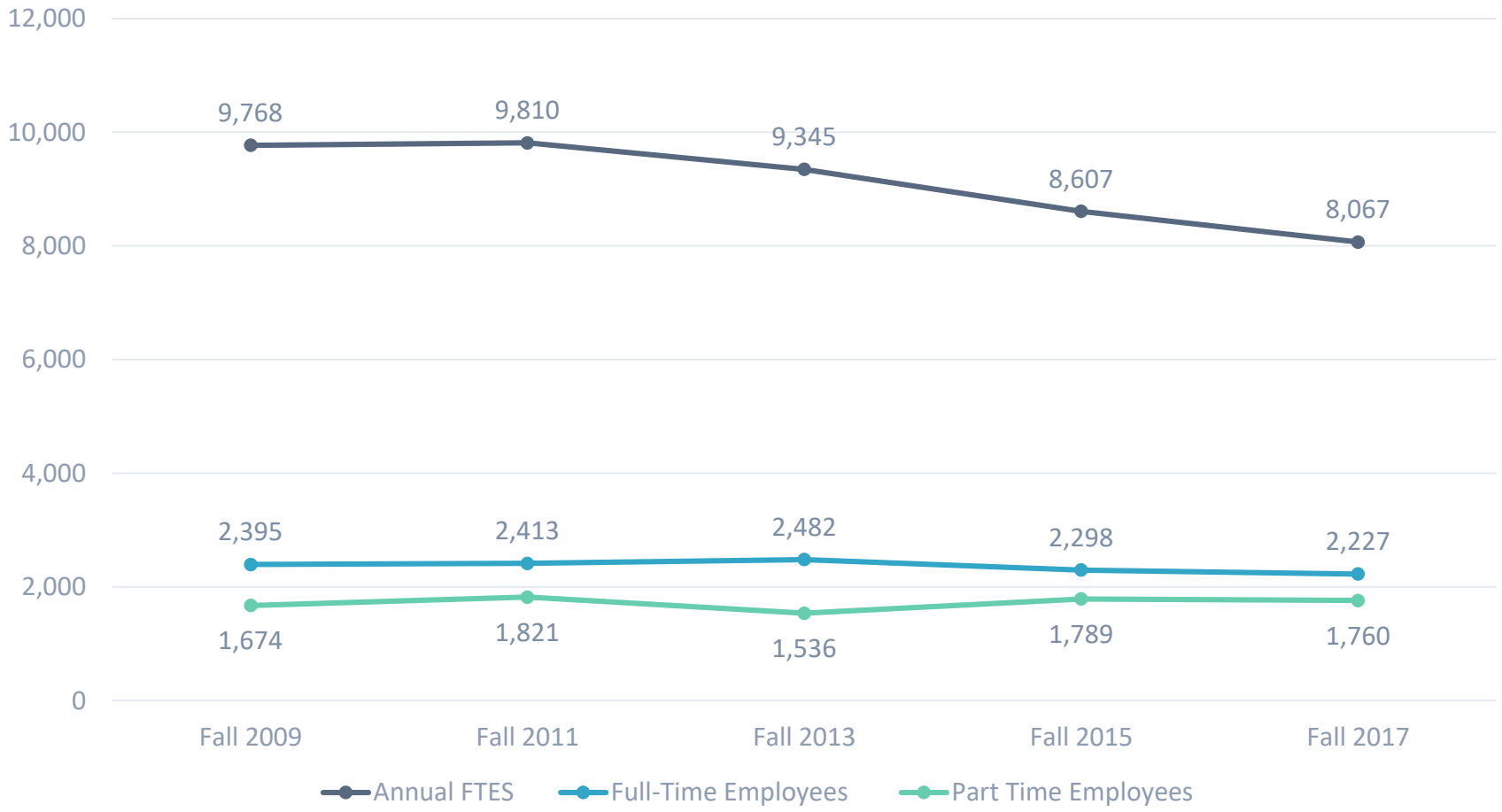
Source: NCES IPEDS

Revenue Minus Expenditures, Vermont State College Institutions



Source: NCES IPEDS

10 Year Trend in Student FTE and Staff/Administration, Vermont State Colleges (including System Office)



Source: NCES, IPEDS Fall Employees by Assigned Position Files; eap2009_rv, eap2011_rv, eap2013_rv, eap2015_rv, and eap2017_rv Final Release Data Files; NCES, IPEDS 2009-10 Instructional Activity Files; efia2010_rv, efia2012_rv, efia2014_rv, efia2016_rv Final Release Data Files and efia2018 Provisional Release Data File.

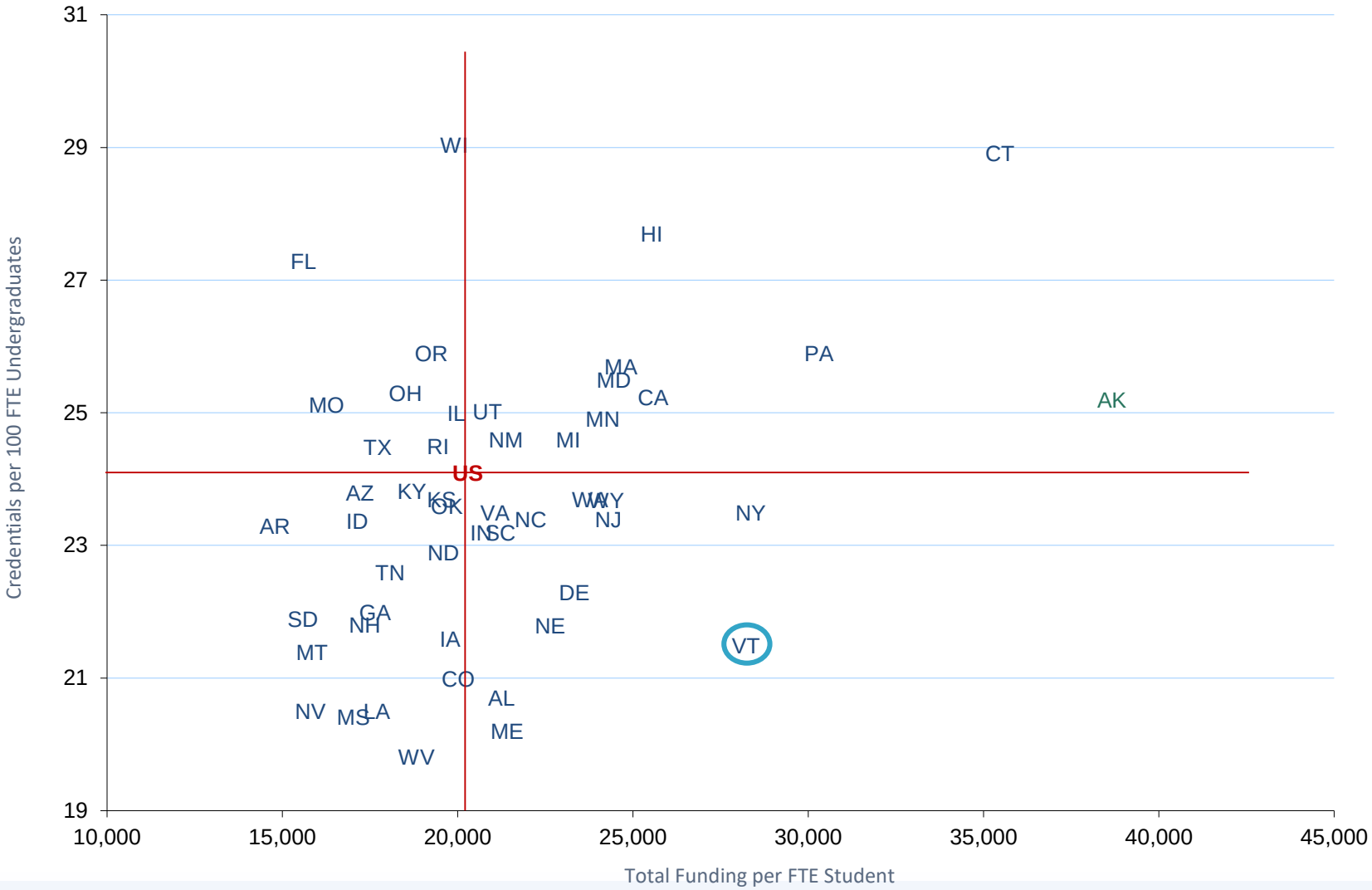
Public 2-Year Institutions: Undergraduate Credentials per 100 FTE Undergraduates and Total Funding per FTE Student, 2017-18

Sources: NCES, IPEDS 2017-18 Provisional Release Finance Files; f1718_f1a, f1718_f2, and f1718_f3 Finance Files. NCES, IPEDS 2017-18 Instructional Activity File; efia2018 Provisional Release Data File. NCES, IPEDS 2017-18 Institutional Characteristics File; hd2018 Provisional Release Data File. Source: NCES, IPEDS 2017-18 Completions File; c2018_a Provisional Release Data File. NCES, IPEDS 2017-18 Instructional Activity File; efia2018 Provisional Release Data File.
Note: Figures for Postsecondary Title IV Degree Granting Institutions.

Public Bachelors & Masters Institutions: Undergraduate Credentials per 100 FTE Undergraduates and Total Funding per FTE Student, 2017-18

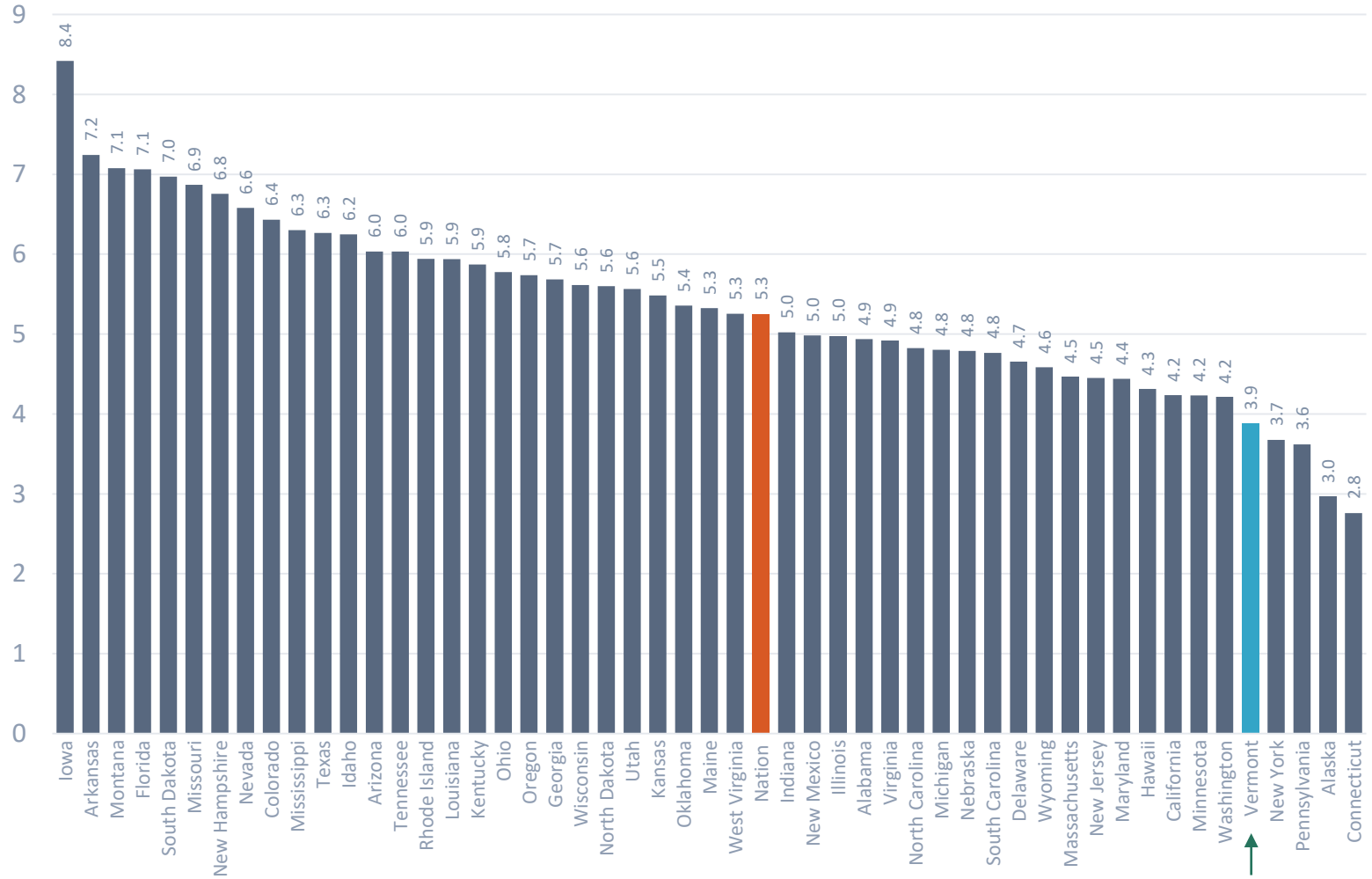
Sources: NCES, IPEDS 2017-18 Provisional Release Finance Files; f1718_f1a, f1718_f2, and f1718_f3 Finance Files. NCES, IPEDS 2017-18 Instructional Activity File; efia2018 Provisional Release Data File. NCES, IPEDS 2017-18 Institutional Characteristics File; hd2018 Provisional Release Data File. Source: NCES, IPEDS 2017-18 Completions File; c2018_a Provisional Release Data File. NCES, IPEDS 2017-18 Instructional Activity File; efia2018 Provisional Release Data File.
Note: Figures for Postsecondary Title IV Degree Granting Institutions.

Public Research Institutions: Undergraduate Credentials per 100 FTE Undergraduates and Total Funding per FTE Student, 2017-18



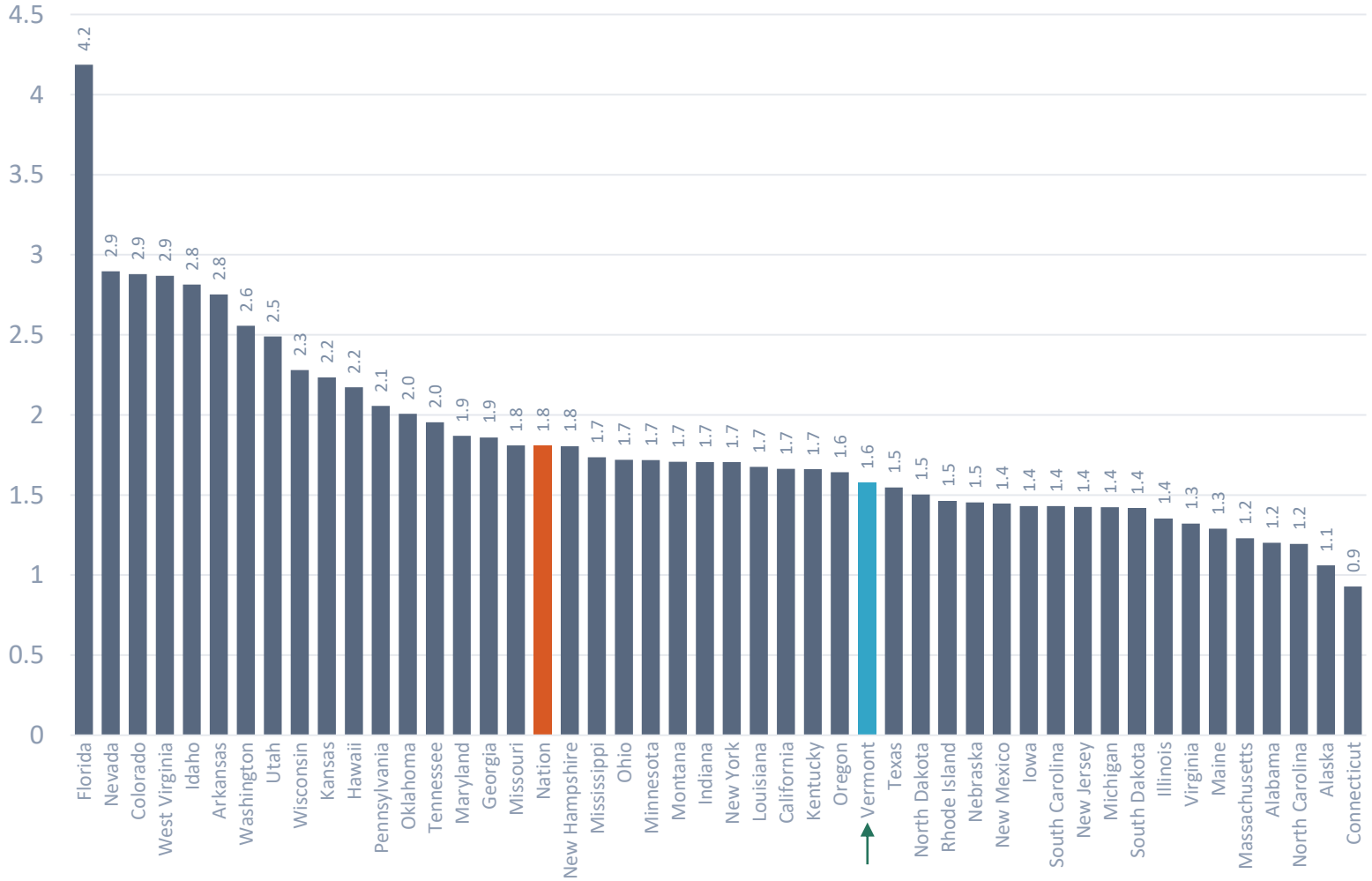
Sources: NCES, IPEDS 2017-18 Provisional Release Finance Files; f1718_f1a, f1718_f2, and f1718_f3 Finance Files. NCES, IPEDS 2017-18 Instructional Activity File; efia2018 Provisional Release Data File. NCES, IPEDS 2017-18 Institutional Characteristics File; hd2018 Provisional Release Data File. Source: NCES, IPEDS 2017-18 Completions File; c2018_a Provisional Release Data File. NCES, IPEDS 2017-18 Instructional Activity File; efia2018 Provisional Release Data File.
Note: Figures for Postsecondary Title IV Degree Granting Institutions.

Awards per $100,000 State & Local Appropriations and Tuition & Fees Revenues, Public Research



Source: NCES, IPEDS 2017-18 Completions File; c2018_a Provisional Release Data File. NCES, IPEDS 2017-18 Instructional Activity File; efia2018 Provisional Release Data File. NCES, IPEDS 2017-18 Provisional Release Finance Files; f1718_f1a, f1718_f2, and f1718_f3 Finance Files. Note: Figures aggregated for Postsecondary Title IV Degree-Granting Institutions in the 50 States and District of Columbia. Awards include first majors only.
Public Research & Medical defined by 2018 Basic Carnegie Classification and IPEDS control variable.
The following four-year institutions primarily serve out-of-state students online and are excluded from their respective state's figures but are included in the National total: Purdue University Global-Davenport (IA).

Awards per $100,000 State & Local Appropriations and Tuition & Fees Revenues, Public Bachelors and Masters



Source: NCES, IPEDS 2017-18 Completions File; c2018_a Provisional Release Data File. NCES, IPEDS 2017-18 Instructional Activity File; efia2018 Provisional Release Data File. NCES, IPEDS 2017-18 Provisional Release Finance Files; f1718_f1a, f1718_f2, and f1718_f3 Finance Files. Note: Figures aggregated for Postsecondary Title IV Degree-Granting Institutions in the 50 States and District of Columbia. Awards include first majors only.
Public Research & Medical defined by 2018 Basic Carnegie Classification and IPEDS control variable.
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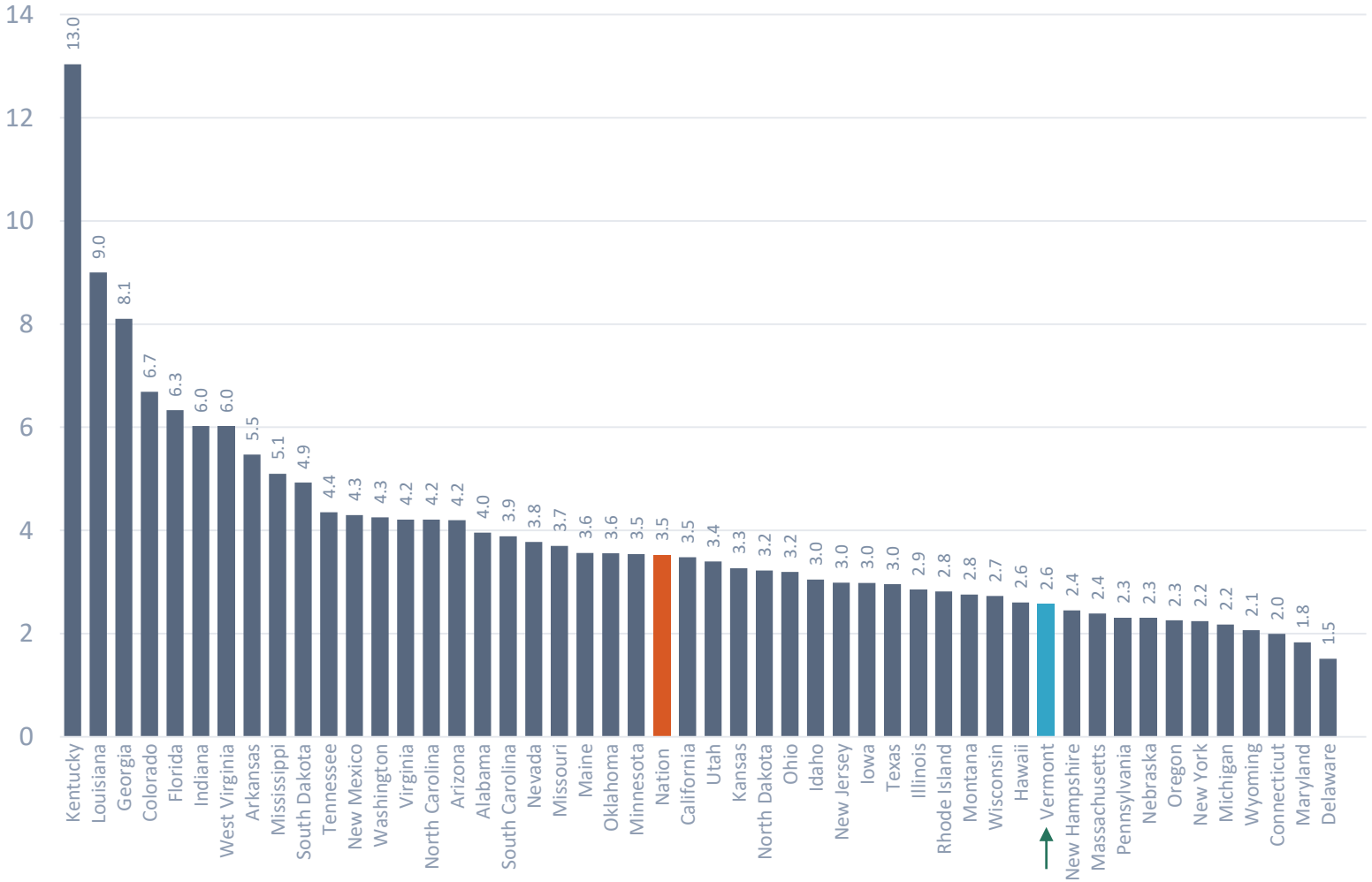
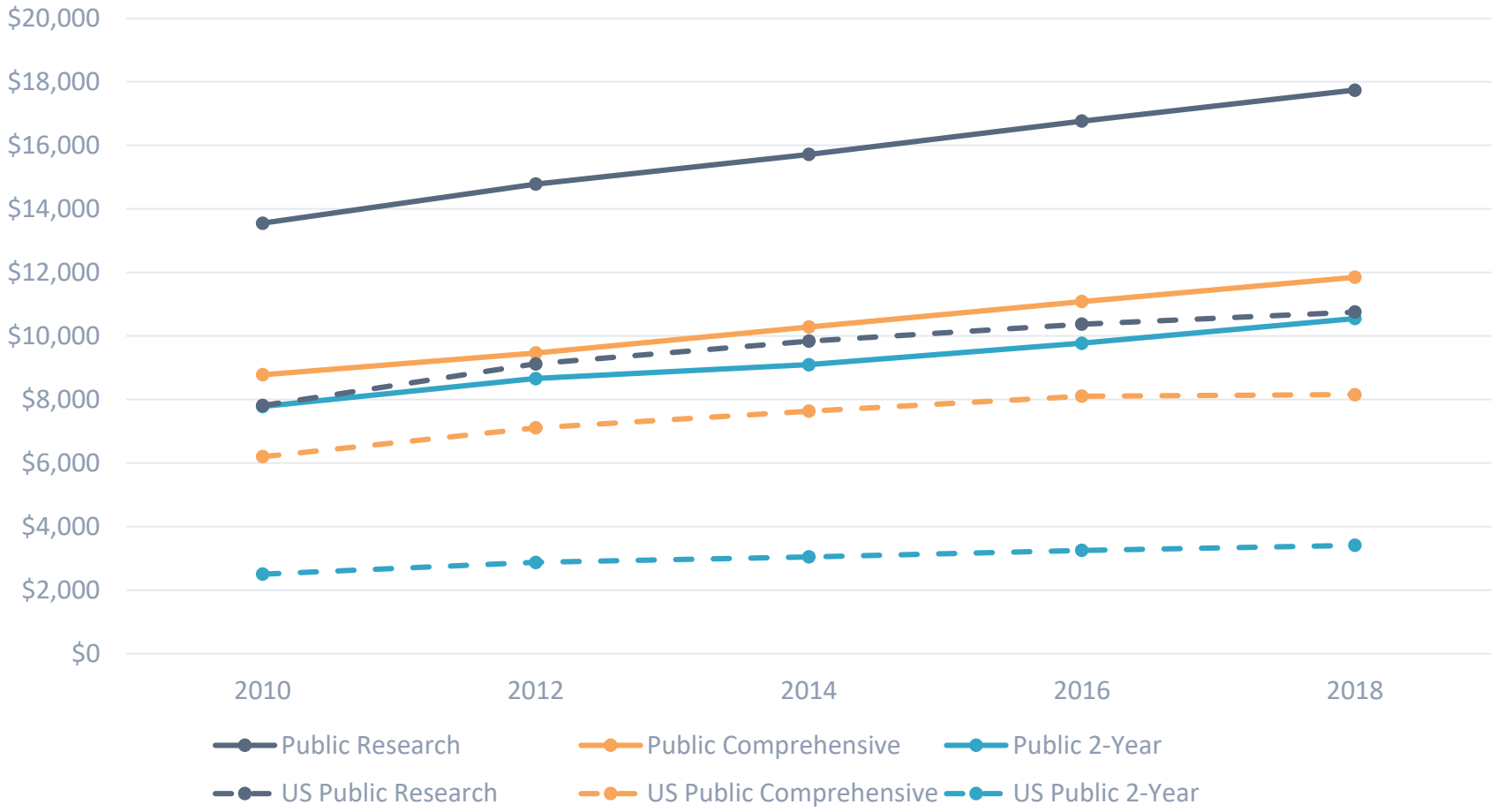
Awards per $100,000 State & Local Appropriations and Tuition & Fees Revenues, Public 2-Year



Sources: NCES, IPEDS 2015-16 Provisional Release Finance Files; f1516_f1a, f1516_f2, and f1516_f3 Finance Files; NCES, IPEDS 2015-16 Instructional Activity File; efia2016 Provisional Release Data File; NCES, IPEDS 2015-16 Institutional Characteristics File; hd2016 Provisional Release Data File Note: Figures for Postsecondary Title IV Degree Granting Institutions.

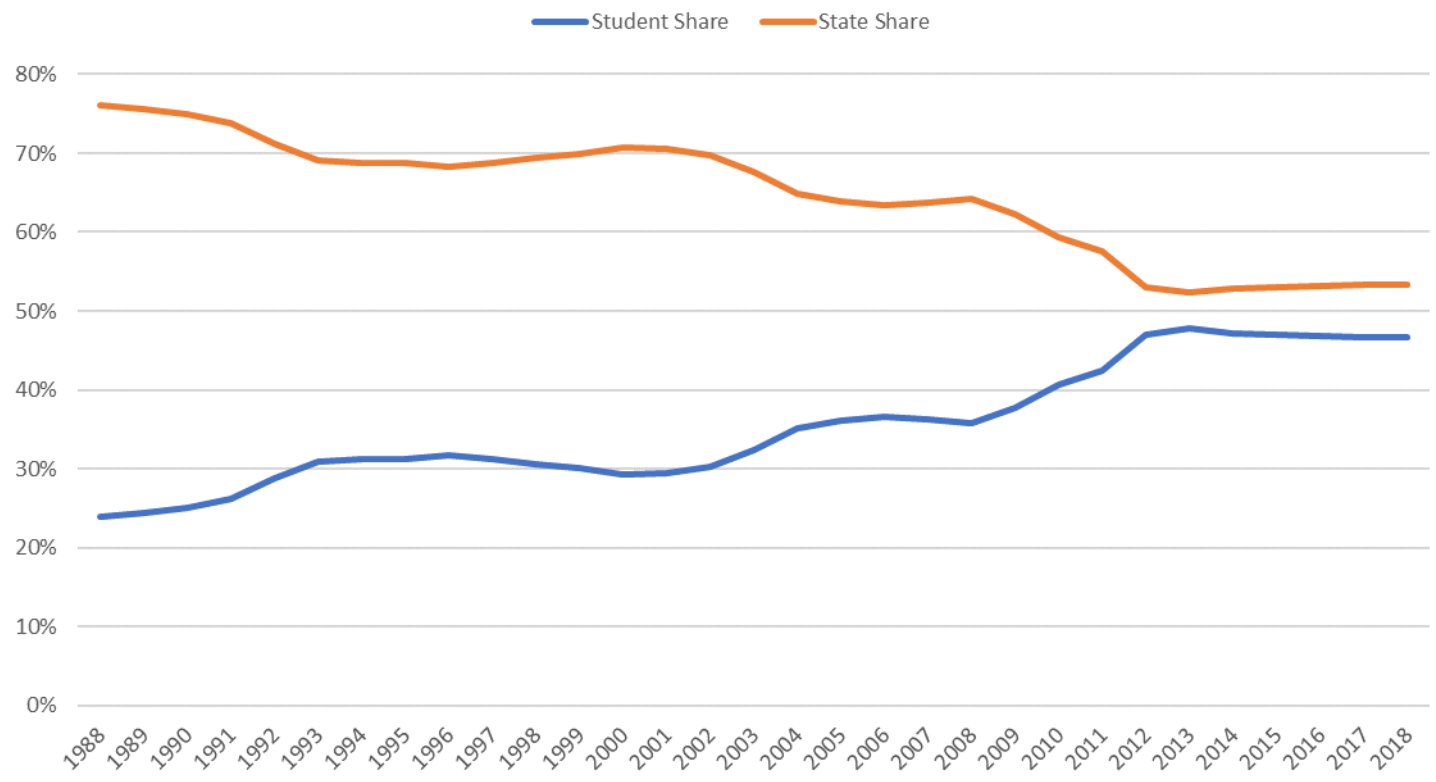
Affordability

Tuition and Fees Over Time, Vermont and US Average



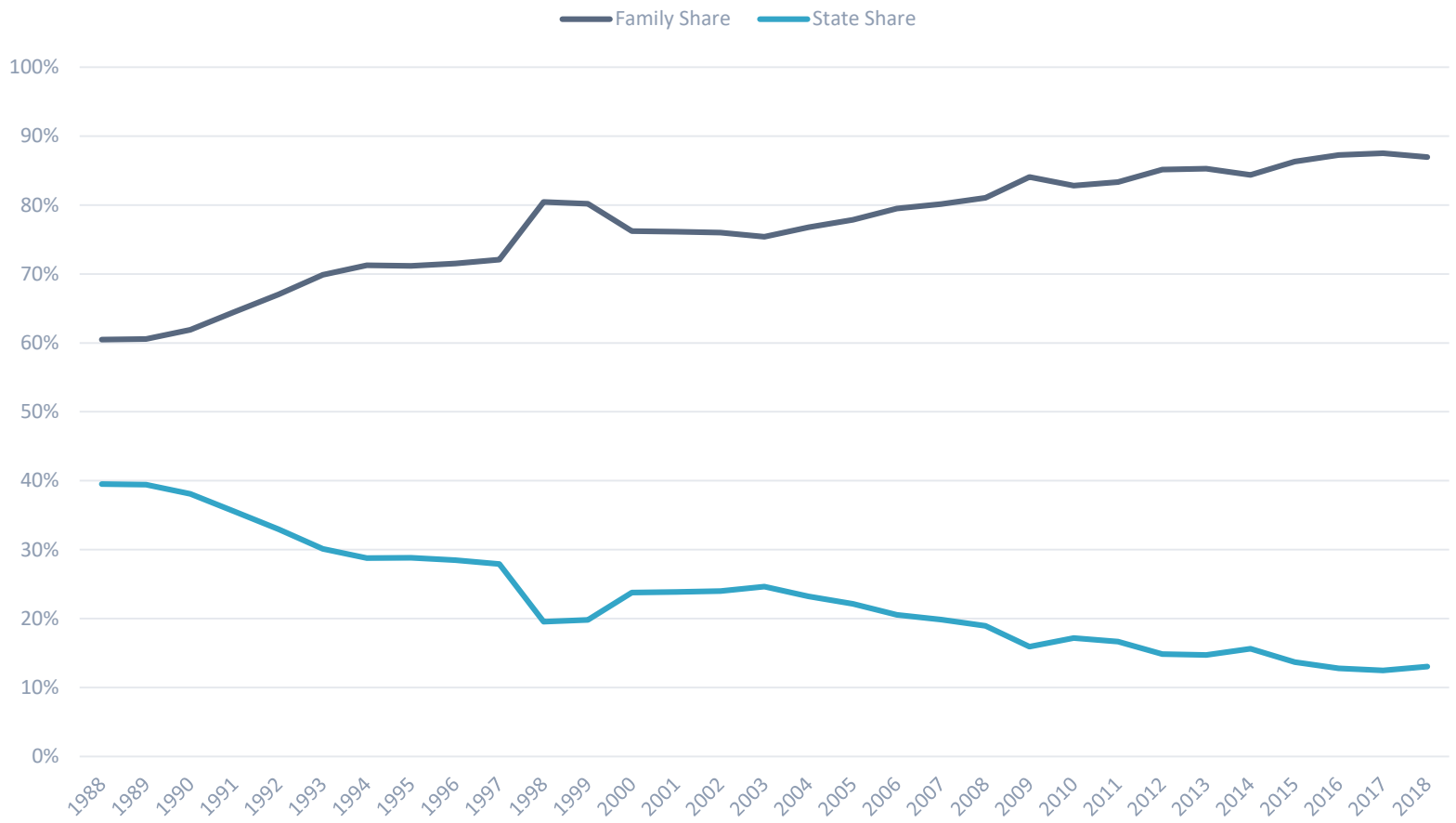
Source: NCHEMS Net Cost Files - NCES, IPEDS Institutional Characteristics Files; hd2008 through hd2018 and ic2008_ay through ic2018_ay Provisional Release Data Files.
Note: In-State Charges for 4-Year Institutions, In-District Charges for 2-Year Institutions.
Tuition and Fee charges prior to 2017-18 for Northern Vermont University are a weighted average of Johnson and Lyndon using enrollment of first-time full-time undergraduates.

Family Share of Public Higher Education Operating Revenues, US Average



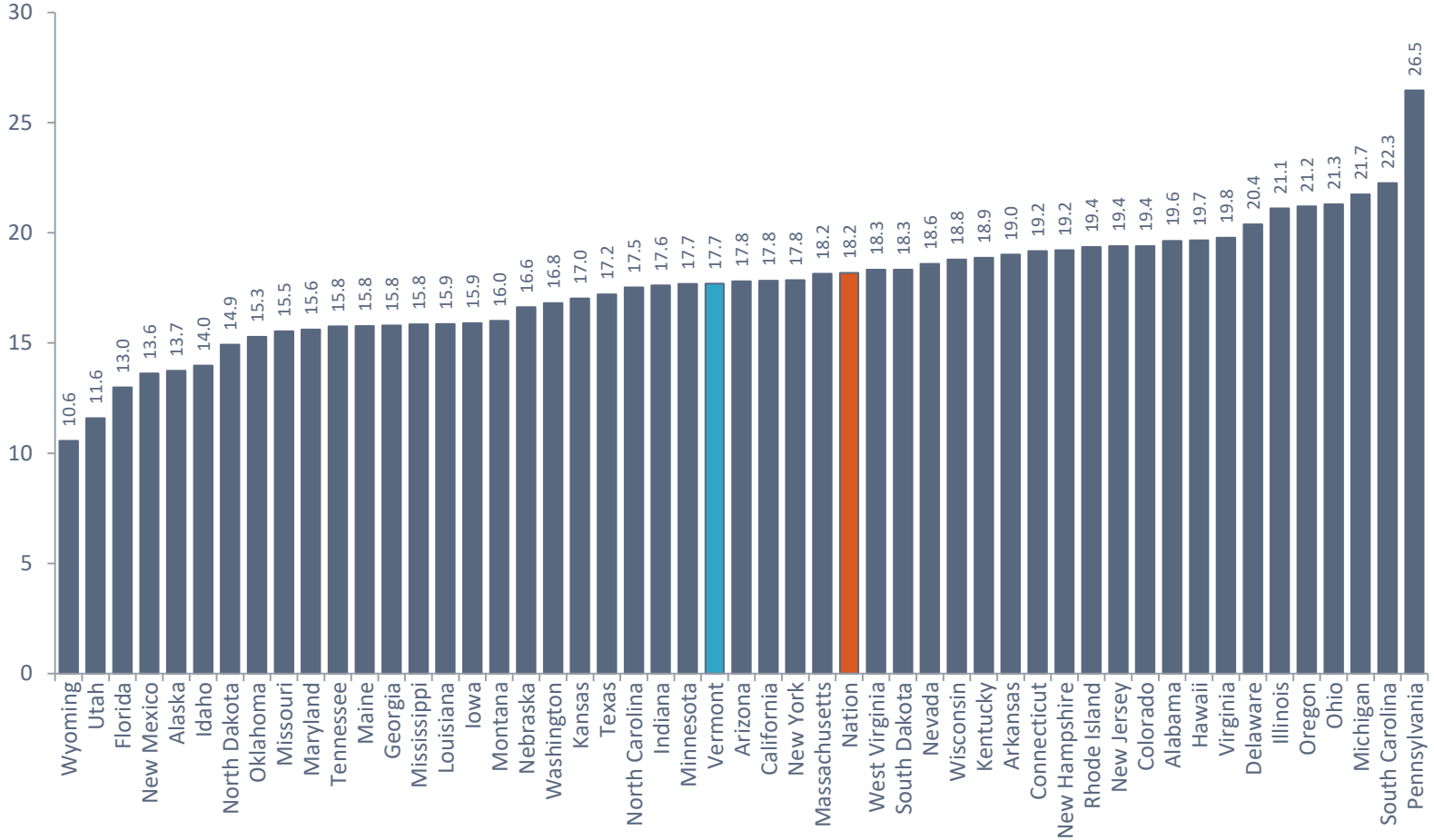
Source: SHEEO

Family Share of Public Higher Education Operating Revenues, Vermont



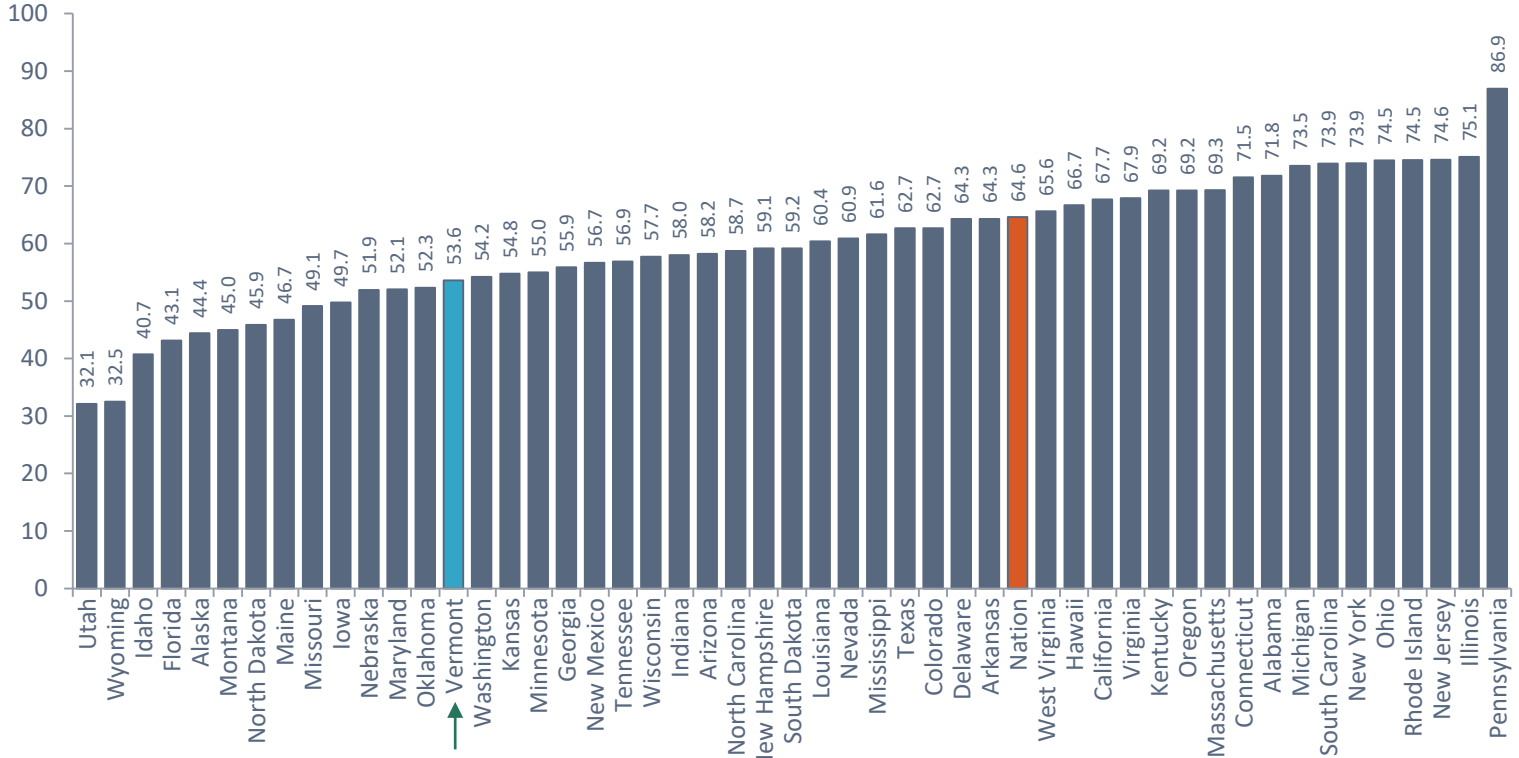
Source: SHEEO

Net Cost as a Percent of Median Family Income, Public 4-Year Institutions, 2017-18



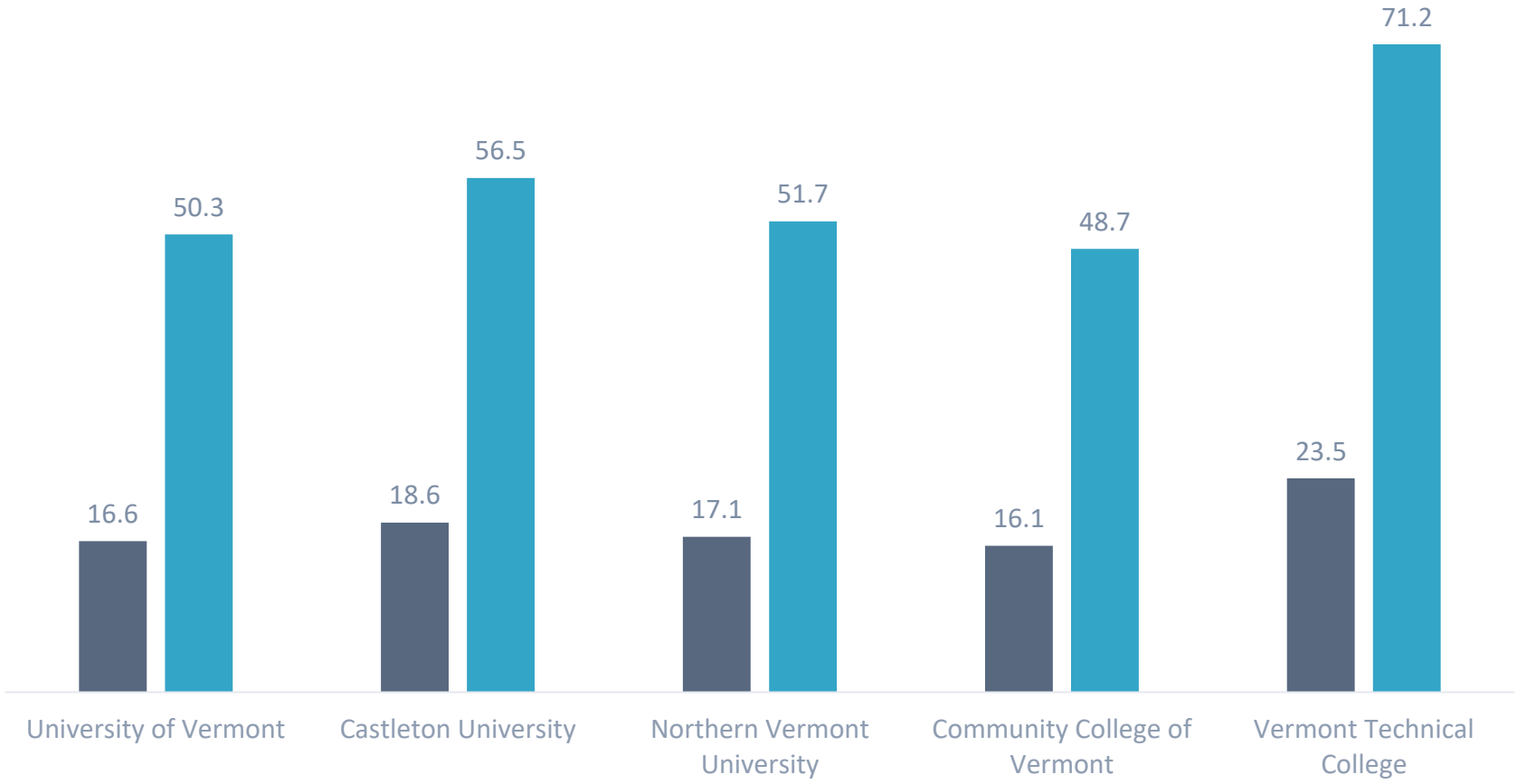
Source1: NCES, IPEDS Institutional Characteristics Files; hd2018 and ic2018_ay Provisional Release Data Files.; NCES, IPEDS Fall 2017 Enrollment File; ef2017a Provisional Release Data File.; NCES, IPEDS Academic Year 2017-18 Student Financial Aid File; sfa1718 Provisional Release Data File.; U.S. Census Bureau, 2018 American Community Survey (ACS) One-Year Public Use Microdata Sample (PUMS) File.

Net Cost as a Percent of Lowest Quintile Family Income, Public 4-Year Institutions, 2017-18



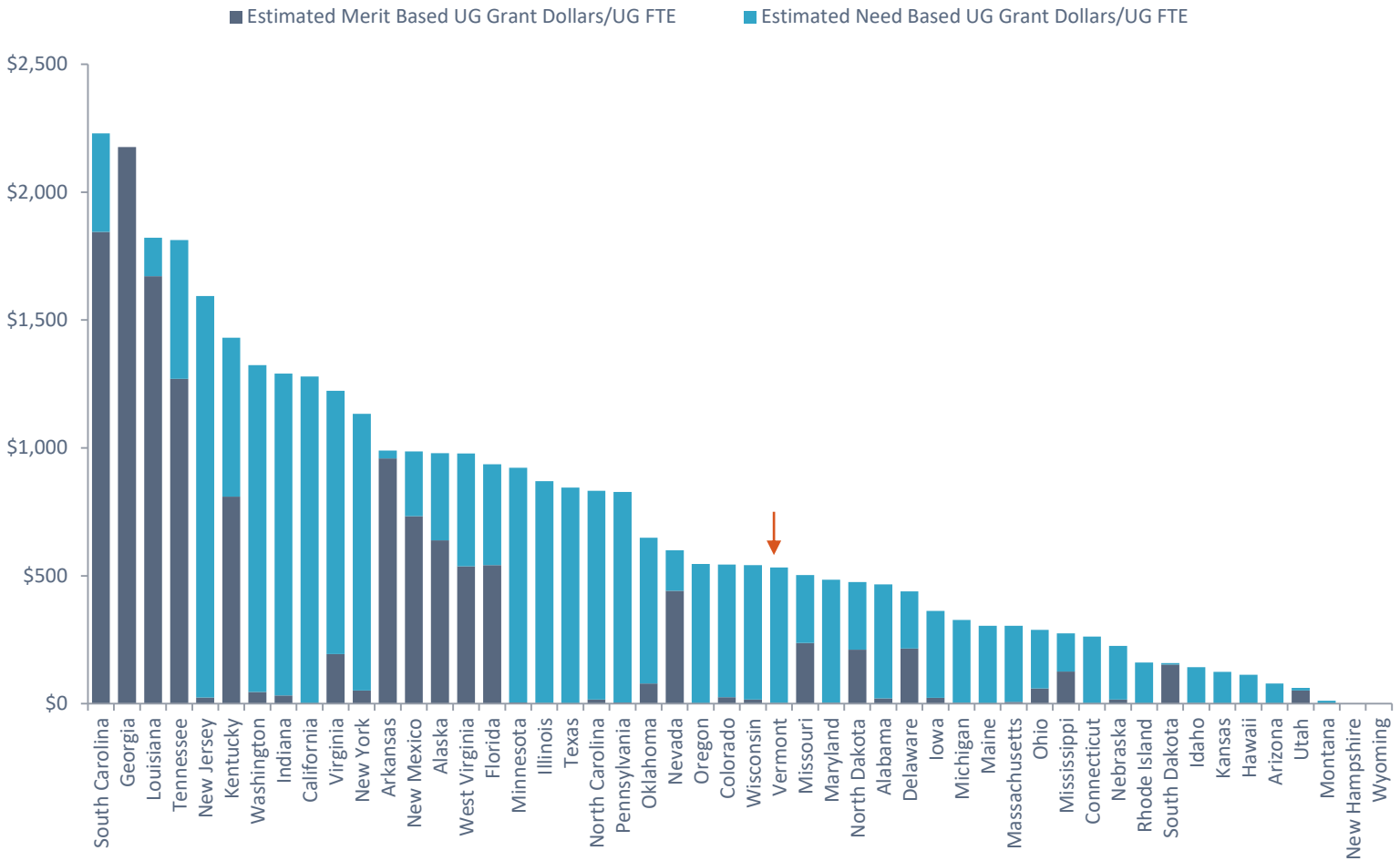
Source1: NCES, IPEDS Institutional Characteristics Files; hd2018 and ic2018_ay Provisional Release Data Files.; NCES, IPEDS Fall 2017 Enrollment File; ef2017a Provisional Release Data File.; NCES, IPEDS Academic Year 2017-18 Student Financial Aid File; sfa1718 Provisional Release Data File.; U.S. Census Bureau, 2018 American Community Survey (ACS) One-Year Public Use Microdata Sample (PUMS) File.

Net Cost as a Percent Family Income, 2017-18



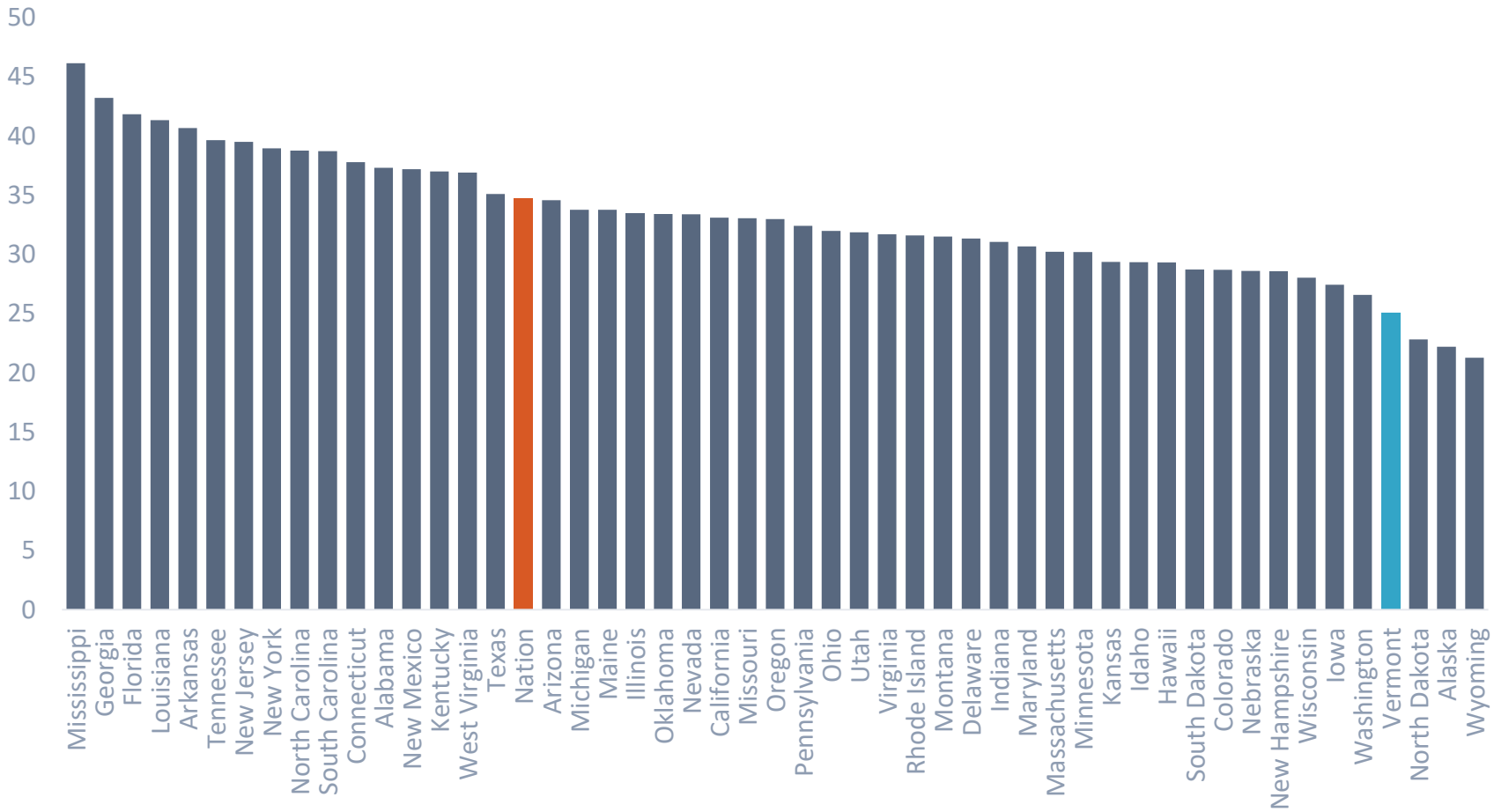
Source1: NCES, IPEDS Institutional Characteristics Files; hd2018 and ic2018_ay Provisional Release Data Files; NCES, IPEDS Fall 2017 Enrollment File; ef2017a Provisional Release Data File; NCES, IPEDS Academic Year 2017-18 Student Financial Aid File; sfa1718 Provisional Release Data File; U.S. Census Bureau, 2018 American Community Survey (ACS) One-Year Public Use Microdata Sample (PUMS) File.

Need- and Merit-Based State-Funded Grant Dollars per Undergraduate FTE, 2017-18 by State



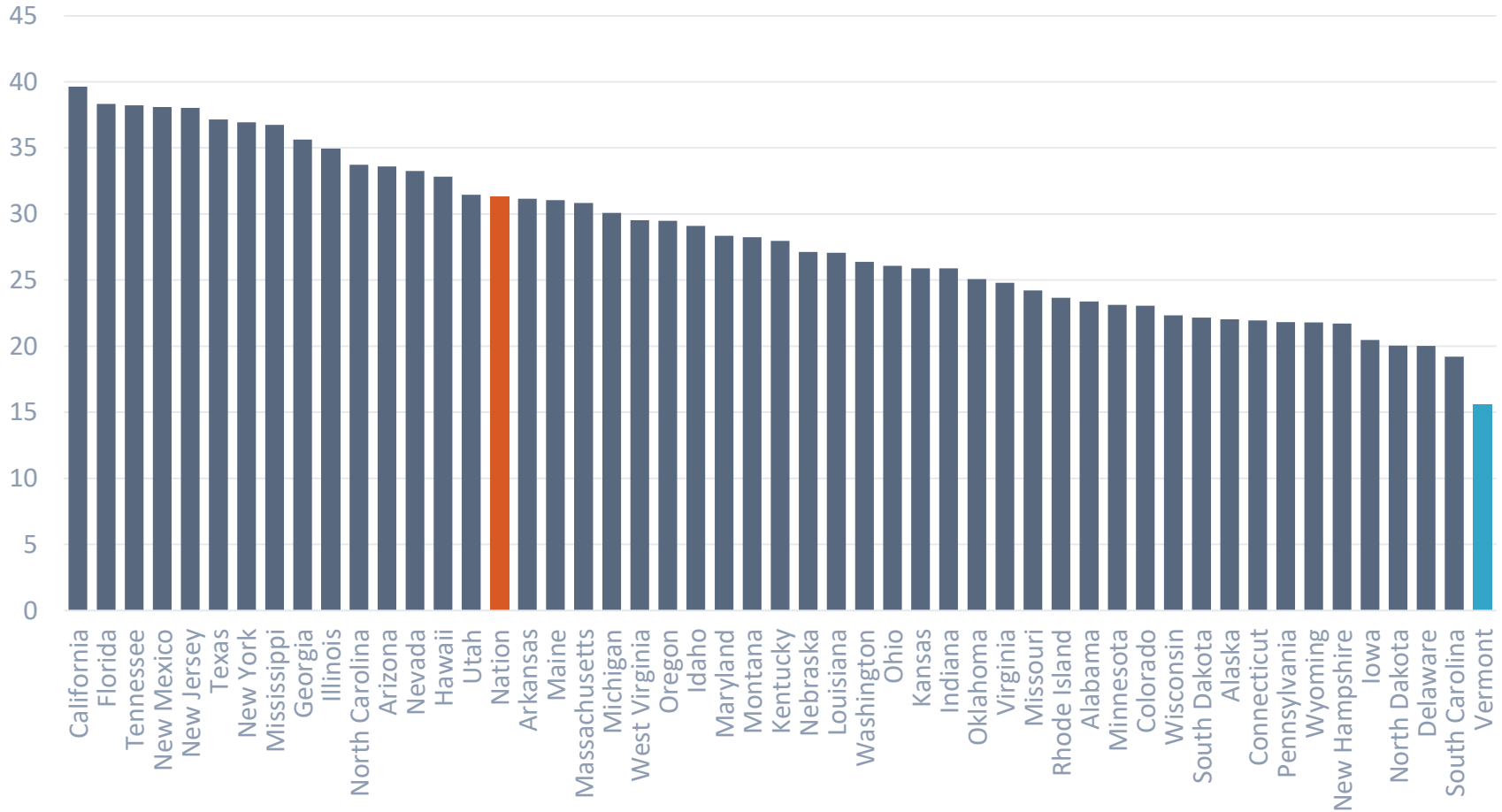
Source: NASSGAP 49th Annual Survey Report on State-Sponsored Student Financial Aid, 2017-18 Academic Year

Percent of Undergraduates Receiving Pell Grants, 2017-18, Total



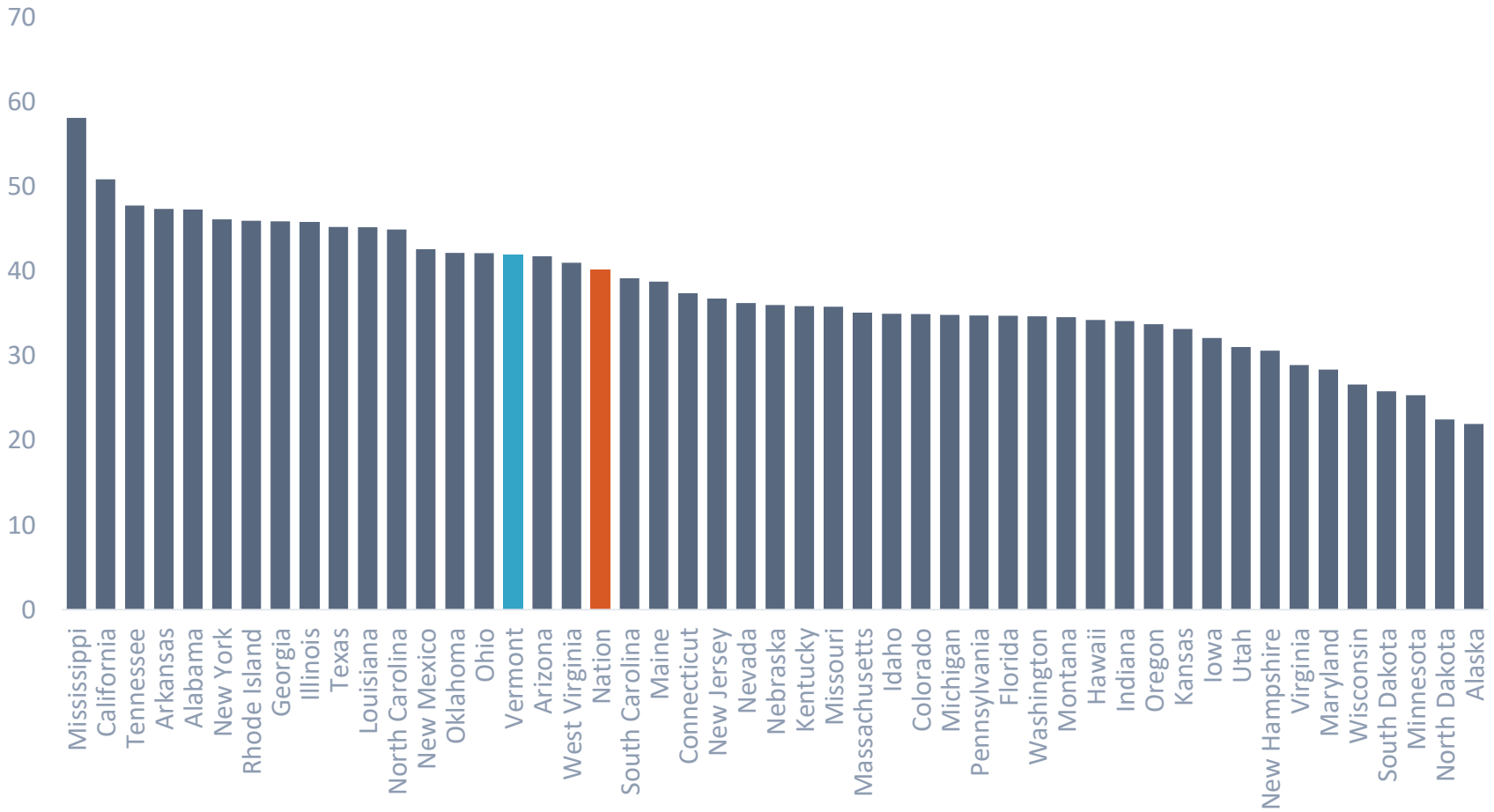
Source: NCES, IPEDS 2018 Directory Information File; hd2018 Provisional Release Data File; NCES, IPEDS 2017-18 Student Financial Aid File; sfa1718 Provisional Release Data File.

Percent of Undergraduates Receiving Pell Grants, 2017-18, Public Research



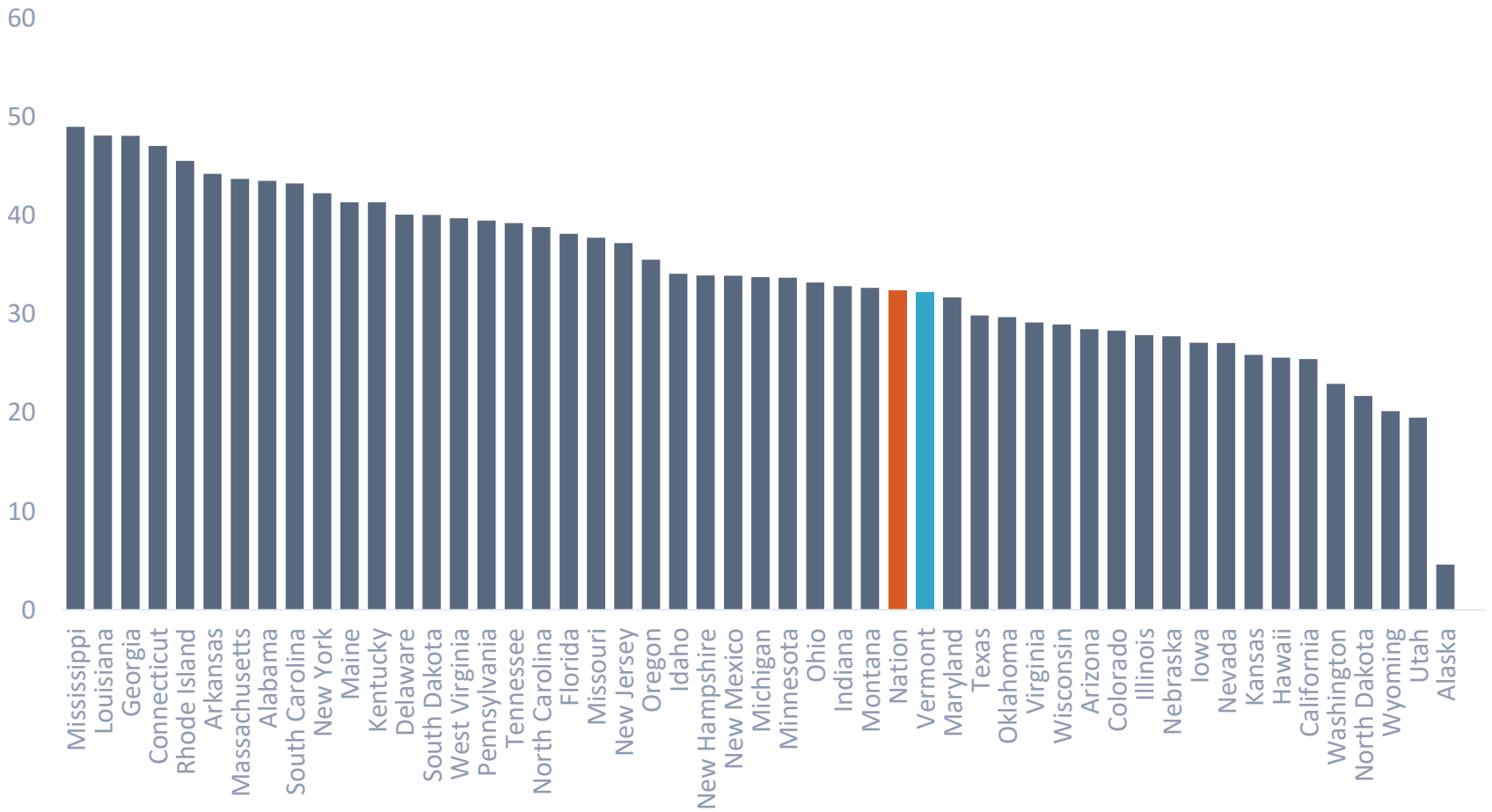
Source: NCES, IPEDS 2018 Directory Information File; hd2018 Provisional Release Data File; NCES, IPEDS 2017-18 Student Financial Aid File; sfa1718 Provisional Release Data File.

Percent of Undergraduates Receiving Pell Grants, 2017-18, Public Masters, Bachelor's and Other 4-Year



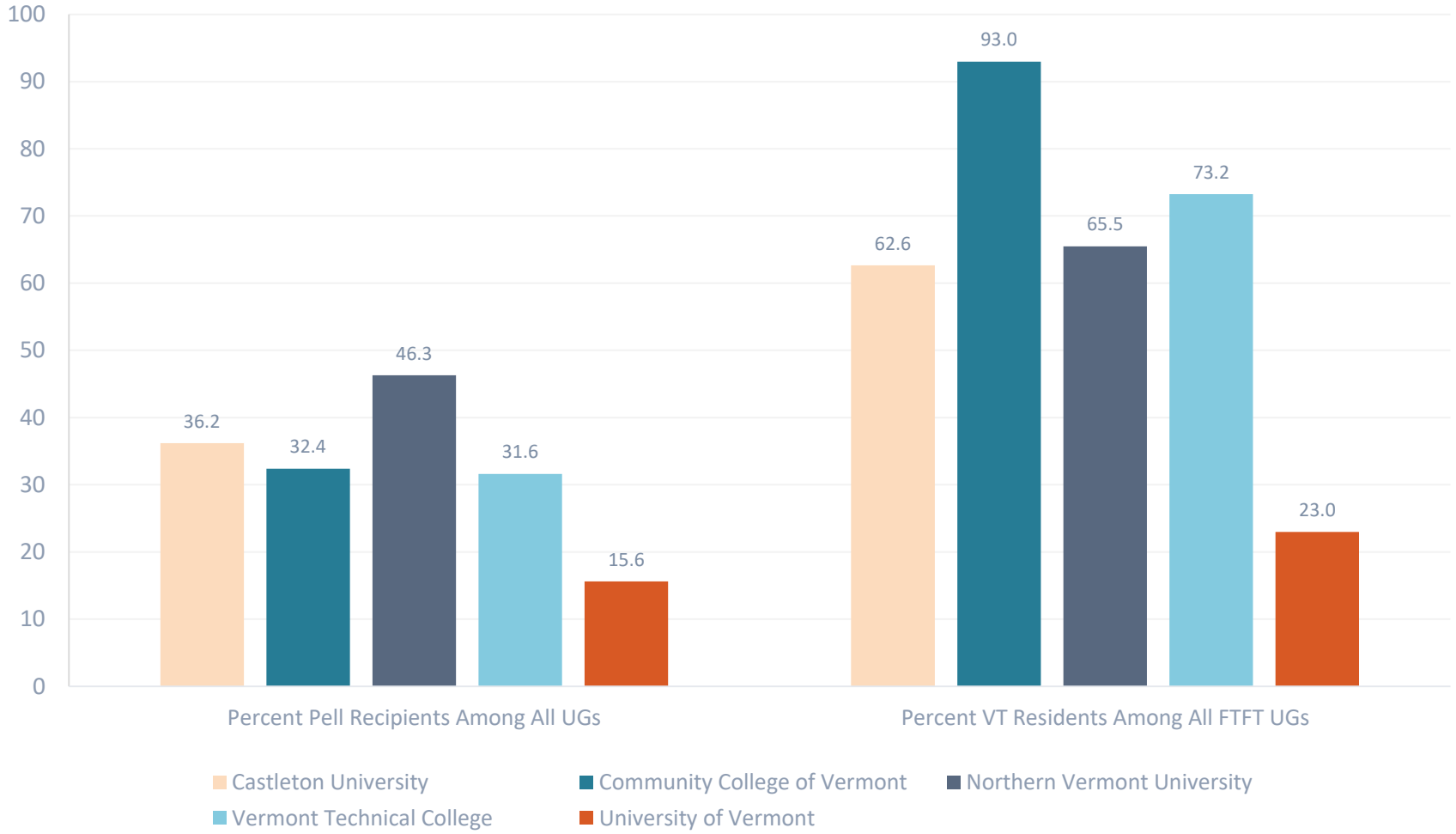
Source: NCES, IPEDS 2018 Directory Information File; hd2018 Provisional Release Data File; NCES, IPEDS 2017-18 Student Financial Aid File; sfa1718 Provisional Release Data File.

Percent of Undergraduates Receiving Pell Grants, 2017-18, Public 2-Year



Source: NCES, IPEDS 2018 Directory Information File; hd2018 Provisional Release Data File; NCES, IPEDS 2017-18 Student Financial Aid File; sfa1718 Provisional Release Data File.

Pell Grant Recipients and In-State Students, 2017-18



Note: In-state shares calculated as a share of the IPEDS SFA cohort of in-state first-time full-time students
Source: NCES, IPEDS 2017-18 Student Financial Aid File; sfa1718 Provisional Release Data File.