



VERMONT

MODERATE PROFICIENCY AND HIGH ACCESS

COMBINED NATIONAL OPPORTUNITY TO LEARN/PROFICIENCY STATE RANK: 1st

Opportunity to Learn Index Score: 93% (4th)

Percentage of Students at National Proficient Level or Above: 42% (2nd)

Disadvantaged Student Group¹	Opportunity to Learn (compared to White, non-Latino students)
Native American	91%
Black	57%
Latino	65%
Poverty (FARL) ²	68%

Vermont ranks 1st among the states when the Opportunity to Learn of the state’s disadvantaged students is combined with a measure of educational quality.³ Vermont’s Native American, Black and Latino students, taken together, have only slightly less than the opportunity to attend the state’s best-supported, best-performing schools as the state’s White, non-Latino students. A low-income student has less than 90 percent of the opportunity to learn of the average White, non-Latino student.

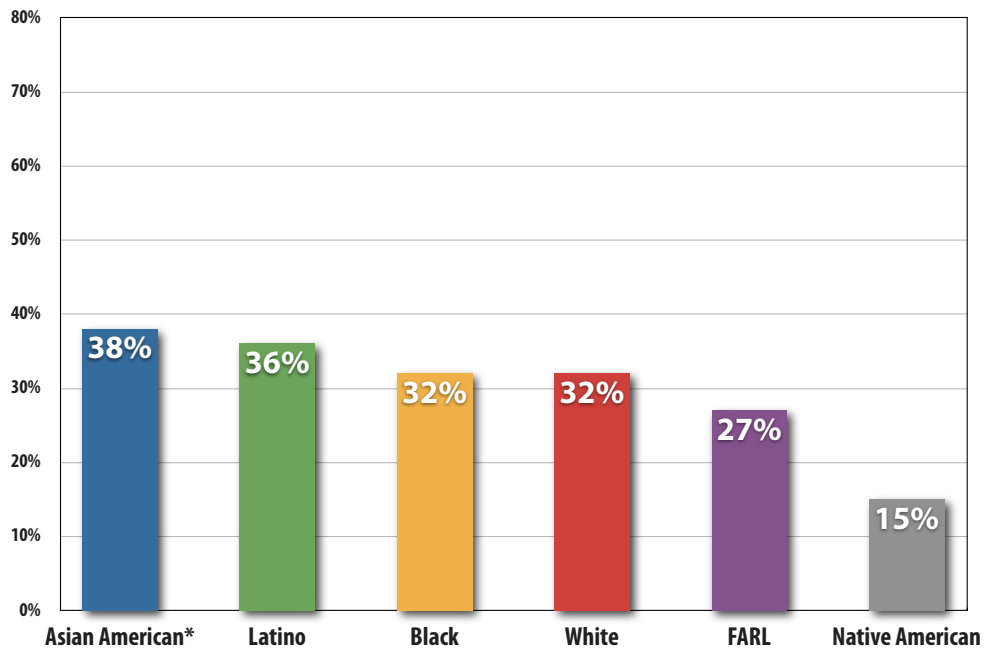
Opportunity to Learn Core Resource	Resource Access Rank
Access to High Quality Early Childhood Education ⁴	17th
Access to Highly Qualified Teachers ⁵	17th
Access to Instructional Materials ⁶	4th
Access to College Preparatory Curriculum ⁷	2nd

The key Opportunity to Learn resources used in this report are high quality early childhood education, highly effective teachers, well-funded instructional materials and a college preparatory curriculum. All students must have equitable access to key educational resources if they are to have equitable opportunities for success.

Key Research Findings: Vermont is one of a group of states with comparatively high graduation rates, a comparatively low percentage of students from disadvantaged groups and comparatively high funding for instruction. Well-resourced, high-performing schools in states of this type have higher percentages of experienced teachers than others.

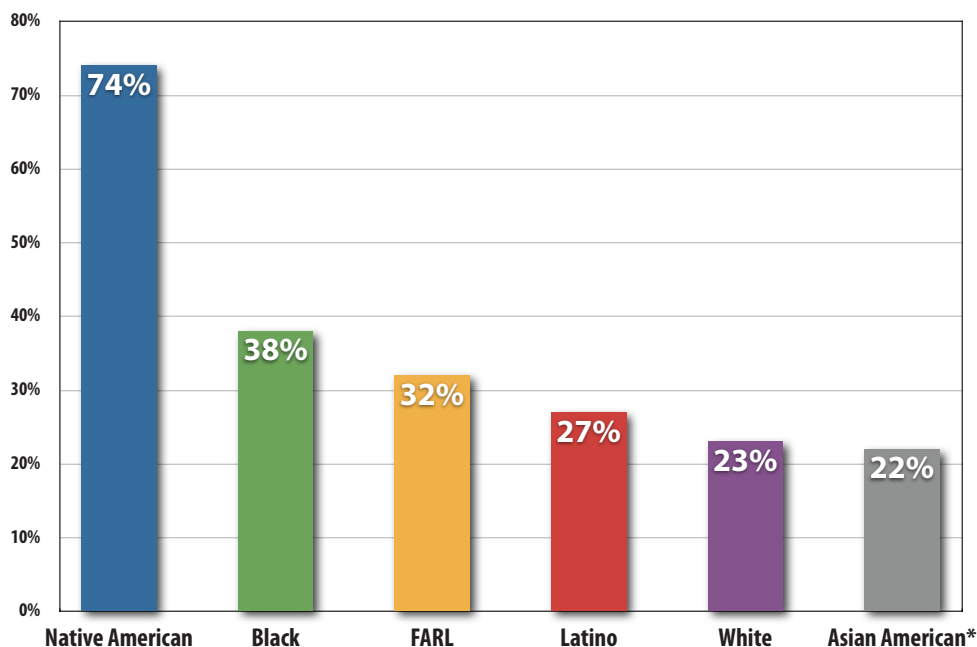
OPPORTUNITY FOR SUCCESS

Vermont Student Access to Well-Resourced, High-Performing Schools



Native American, Black, Latino and low-income students are more likely than White, non-Latino students in Vermont to be additionally disadvantaged by attending schools where they have little chance of becoming proficient in basic skills and graduating on time. Black students and low-income students are twice as likely to find themselves in such schools than are White, non-Latino students.

Vermont Students in Poorly-Resourced, Low-Performing Schools









* Performance for sub-groups of the Asian American populations (Hmong, Cambodian, etc.) varies drastically. Further federal and state disaggregation of data is needed to more accurately speak to performance results of Asian Americans.

Dividing the percentages of Native American, Black, Latino and low-income students in these “drop-out factories” by the percentage of White, non-Latino students in these schools gives us the comparative disadvantage of each group: (Higher numbers are worse: more of a disadvantage)

Group	Comparative Disadvantage
Native American students	320%
Asian American students*	100%
Black, non-Latino students	170%
Latino students	120%
Low income students	140%
Comparison is to all White, non-Latino students	100%

Taking steps to improve access to key resources, improving the teacher-to-student ratio and increasing the percentage of highly effective teachers in the state’s less effective schools will improve the Opportunity to Learn of the state’s minority and low-income students.







Economic Consequences⁸ Total Annual Economic Burden to Taxpayers Because of Inequity: \$3.5 million⁹

	Potential Return on School Improvement Investment	250%
	State Annual Total Lifetime Health Loss	\$690,000
	State Annual Crime-Related Loss	\$450,000
	State Tax Losses (Lifetime)	\$2 million
	Annual Lost Lifetime Earnings (Difference attributable to high school graduation per annual cohort)	\$4.9 million
	Net Annual Potential Revenue Increase from Equity (After deducting estimated cost of improving schools)	\$2.2 million

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SOCIAL AND CIVIC CONSEQUENCES

Changes attributable to educational equalization with White, non-Latino students

	College Graduation (25 years of age +)¹⁰ Increase Expected Attributable to Equitable Access Black, Latino, Native American (total)	--
	Employment¹¹ Increase Expected Attributable to Equitable Access With High School Diploma Further Increase with Bachelor's Degree	 6% 2%
	Income¹² Increase Expected Attributable to Equitable Access With High School Diploma Further Increase with Bachelor's Degree	 31% 40%
	Health¹³ Increase Expected Attributable to Equitable Access Black, non-Latino Latino	 14% 4%
	Civic Engagement¹⁴ (National Election Participation) Increase Expected Attributable to Equitable Access	--%
	Incarceration¹⁵ Decrease Expected Attributable to Equitable Access to Education Black, non-Latino Latino	 -100% --%

¹ Enrollments (2005/6): Native American (417), Asian American (1,496), Black, non-Latino (1,424), Latino (957), White, non-Latino (91,528), FARL (25,487).

² Students eligible for Free and Reduced Price Lunch. This measure is similar to the state's percentage of children living in poverty: Native American (<1%), Asian American (<1%), Black, non-Latino (<1%), Latino (37%), White, non-Latino (12%).

³ The NAEP percentage of all public school students scoring at or above proficiency for Grade 8 Reading is used as a proxy for system quality.

⁴ Access for 4-year-olds: NIEER Yearbook.

⁵ Ratio of disadvantaged to advantaged student access: State Consolidated Performance Reports for School Year 2004/5 in Peske, Heather G. and Kati Haycock: Teaching Inequality: How Poor and Minority Students are Shortchanged on Teacher Quality. The Education Trust, June 2006.

⁶ NCES.

⁷ Access to AP Math; USED/OCR.

⁸ Earnings and Revenue: Levin, Henry. The Costs and Benefits of an Excellent Education for All of America's Students. Columbia University, January 2007.

⁹ Numbers are rounded.

¹⁰ U.S. Census, American Community Survey (ACS), 2006.

¹¹ ACS.

¹² ACS.

¹³ National Survey of Children's Health, Indicator 6.1. This report follows the practice of using the condition of health of White, non-Latinos as the baseline from which to measure the health of all groups. This is the meaning of the "100%," indicator. It does not mean that 100% of all White, non-Latinos are in good health. If the health of White, non-Latinos in a state were, in general, to improve (or deteriorate), the percentage indicators for historically disadvantaged groups would change proportionately.

¹⁴ Potential Civic Engagement is represented by national voting rates by educational attainment applied to adult educational attainment of the state. U.S. Census Bureau. Voting and Registration in the Election of November 2004; American Community Survey, Educational Attainment Adult Population. 2004 Voting Turnout Rate from United States Election Project: http://elections.gmu.edu/Turnout_2004G.html

¹⁵ Bureau of Justice Statistics, Special Report: Education and Correctional Populations, January 2003.