

MEASURING UP

2004

**THE STATE REPORT CARD
ON HIGHER EDUCATION**

CALIFORNIA



**THE NATIONAL CENTER FOR
PUBLIC POLICY AND
HIGHER EDUCATION**

WHAT IS MEASURING UP?

This state report card is derived from *Measuring Up 2004*, the national report card for higher education. Its purpose is to provide the public and policymakers with information to assess and improve postsecondary education in each state. *Measuring Up 2004* is the third in a series of biennial report cards.

Measuring Up 2004 evaluates states on their performance in higher education because it is the states that are primarily responsible for educational access and quality in the United States. In this report card, “higher education” refers to all education and training beyond high school, including all public and private, two- and four-year, for-profit and nonprofit institutions.

The report card grades states in six overall performance categories:

■ **Preparation:** How adequately are students in each state being prepared for education and training beyond high school?

■ **Participation:** Do state residents have sufficient opportunities to enroll in education and training beyond high school?

■ **Affordability:** How affordable is higher education for students and their families?

■ **Completion:** Do students make progress toward and complete their certificates and degrees in a timely manner?

■ **Benefits:** What benefits does the state receive as a result of having a highly educated population?

■ **Learning:** What is known about student learning as a result of education and training beyond high school?

Each state receives a grade in each performance category, and the grades are based on the state’s performance on several indicators, or quantitative measures, in each category. Most states receive an “Incomplete” in learning because there are no common benchmarks that allow for state-by-state comparisons in learning. Five states, however, receive a “Plus” in learning to highlight their work in developing measures to evaluate the state’s educational capital—that is, the reservoir of high-level knowledge and skills

that the state’s population has attained. For more information about this, see page 12 of this state report card.

In four of the performance categories—preparation, participation, completion, and benefits—grades are calculated by comparing each state’s current performance to that of the best-performing states. This provides a basis for assessing and comparing each state’s performance in the national context and encourages each state to “measure up” to the highest performing states.

In the affordability category, however, the nation as a whole is “measuring down.” That is, even in the best-performing states, higher education has become *less* rather than *more* affordable when the costs of attending college are considered in relation to family income. As a result, grades in the affordability category are calculated by comparing each state’s current results to the performance of the top states *a decade ago*. This enables policymakers to examine their state’s results in relation to other states, while also encouraging improved performance over time. A glance at the table of state grades on page 15 reveals that the affordability category is the only one in which no state receives an A.

Measuring Up 2004 also compares each state’s current results with its own performance a decade ago. Although this historical information is not graded, it is offered to allow states to examine their improvements and declines in performance. In gathering information for this period, information from 1992—or the closest year available—is compared with the most recently available data. All information was collected from national, reliable sources, including the U.S. Census Bureau and the U.S. Department of Education. (For more information about grading, data collection, and sources, please see the technical report at www.highereducation.org.)

This state report card begins by summarizing the state’s performance today compared with ten years ago, and by presenting key policy questions that these results suggest for the state. Next, the state’s performance in each category is described in greater detail, followed by additional contextual information.

A Snapshot of Improvement Over the Past Decade

High school graduates are, in general, better prepared for college today than their peers were a decade ago. However, most states, and the nation as a whole, have made little progress in translating these gains into improvements at the college level.

Preparation: 44 states improved on more than half of the indicators; 6 improved on some of the indicators.

Participation: 8 states improved on more than half of the indicators; 23 improved on some of the indicators; 19 declined on every indicator.

Affordability: 2 states improved on more than half of the indicators; 31 improved on some of the indicators; 17 declined on every indicator.

Completion: 37 states improved on more than half of the indicators; 9 improved on some of the indicators; 4 declined on every indicator.

Benefits: 41 states improved on more than half of the indicators; 8 improved on some of the indicators; 1 declined on every indicator.

Learning: 45 states receive an “Incomplete”; 5 states (Illinois, Kentucky, Nevada, Oklahoma, and South Carolina) receive a “Plus.”

For more information about improvement, please see *Measuring Up 2004: The National Report Card on Higher Education* at www.highereducation.org.



California's historically strong performance in enrolling students in college-level education and providing affordable educational opportunities may be at risk. The state's high school population is increasing both in size and diversity. At the same time, the likelihood of students enrolling in college by age 19 is declining. High school students are not taking the rigorous courses they need to succeed in higher education, and graduates are not going to college right after high school.

Strengths

Preparation

■ California is a top performer in the percentage of 8th graders who take algebra; this percentage has almost tripled over the past decade.

■ About two-thirds of secondary school students are taught by qualified teachers, which compares well with best-performing states. Over the past decade, the state has outpaced the national increase on this measure.

Participation

■ California is the top state in the percentage of working-age adults enrolled part-time in college. Whereas the nation has declined on this measure over the past decade, California has improved.

■ Among the young adult population, the gaps in college participation have narrowed between whites and minority ethnic groups and between those from low-income and those from high-income families. However, the gaps remain large.

Completion

■ California is a top-performing state in the percentage of freshmen at four-year colleges and universities returning for their sophomore year. The state has improved on this measure over the decade, in contrast to the national decline.

■ Very large percentages of students complete a bachelor's degree within six years of enrolling in college. California has consistently performed well in this area.

■ Over the past decade, the gaps have narrowed between whites and all minority ethnic groups in the proportions of students completing certificates and degrees relative to the numbers enrolled. However, these gaps remain large.

Benefits

■ A large percentage of residents have a bachelor's degree. However, many of these residents earned their degrees in other states. The percentage of state residents with a bachelor's degree has increased over the past decade, reflecting similar trends nationally.



Weaknesses

Preparation

- Compared with other states, very small proportions of high school students are enrolled in upper-level math and science.
- The percentage of 8th graders performing well on the national assessment in science is low. Over the past decade, this percentage has declined in California—more than in any other state.
- Although math, reading, and writing scores on the national assessments have improved over the past decade, they remain poor. In writing, California's improvement lags behind the national increase.
- Compared with their peers in other states, a small percentage of low-income 8th graders perform well on the national assessment in math.

Participation

- The likelihood of 9th graders enrolling in college within four years has decreased by 9% over the past decade, compared with a national decline of 3%. The state's decrease is primarily due to a drop in the percentage of graduates going on to college immediately after high school.
- About 20% of adults do not have a high school diploma or its equivalent (compared with a national average of 14%), making them ineligible for participation in higher education.

Affordability

- Net college costs for low- and middle-income students to attend community colleges represent nearly 40% of their annual family income—despite the fact that California leads the nation in the low price of its two-year colleges. For the same students at public four-year colleges and universities, net costs represent nearly half of their income. Public two- and four-year colleges and universities enroll over 90% of college students in the state. (Net college costs equal tuition, room, and board minus financial aid.)

Completion

- A very small proportion of students complete certificates and degrees relative to the number enrolled.

Policy Questions

- Can higher education improve partnerships with K–12 schools to improve student achievement and preparation for college?
- Given that about 20% of adults do not have a high school diploma or its equivalent, can the state encourage more residents to get a General Education Development (GED) credential?
- Can California accommodate the increasing size and diversity of the young population preparing to enroll in higher education?
- Can California increase the percentage of students who finish high school within four years and enroll in college thereafter?
- Can California enhance links between community colleges and public four-year institutions to ensure that transfer barriers do not inhibit students from earning a bachelor's degree?
- Can California's four-year institutions accommodate all the students who are eligible to transfer from community colleges?
- Can the state use financial aid programs more effectively to encourage the college enrollment of students from low-income families?
- Can California close the gaps in educational achievement by ethnicity and income?
- Can California increase the number of students earning bachelor's degrees, or will the state continue to rely on other states and nations for an educated workforce?

2004
Grade

Improvement
Over Decade



Over the past decade, California has made substantial improvement in preparing students to succeed in college. However, California receives only a C in preparation this year because other states performed better.

Graded Information

■ Compared with other states, very small proportions of high school students are enrolled in upper-level math (33%) and science (18%).

■ California is a top performer in the percentage of 8th graders who take algebra (39%).

■ Eighth graders perform poorly on national assessments in math, and very poorly on national assessments in reading, writing, and science, indicating that they are not well prepared to succeed in challenging high school courses. California is among the lowest-performing states on the science measure.

■ Compared with their peers in other states, low-income 8th graders perform very poorly on national assessments in math.

■ Small proportions of 11th and 12th graders score well on college entrance exams, but large proportions do well on Advanced Placement tests.

■ About two-thirds of secondary school students are taught by qualified teachers, which compares well with top-performing states.

Change in Graded Measures

■ Over the past decade, the proportion of 8th graders taking algebra has almost tripled, and California has become a top performer on this measure.

PREPARATION	CALIFORNIA		Top States 2004
	A Decade Ago	2004	
High School Completion (20%)			
18- to 24-year-olds with a high school credential	78%	87%*	94%
K-12 Course Taking (35%)			
9th to 12th graders taking at least one upper-level math course	29%	33%	59%
9th to 12th graders taking at least one upper-level science course	16%	18%	41%
8th grade students taking algebra	14%	39%	35%
12th graders taking at least one upper-level math course	n/a	26%	66%
K-12 Student Achievement (35%)			
8th graders scoring at or above "proficient" on the national assessment exam:			
in math	16%	22%	36%
in reading	22%	22%	39%
in science	20%	15%	42%
in writing	20%	23%	41%
Low-income 8th graders scoring at or above "proficient" on the national assessment exam in math	5%	9%	23%
Number of scores in the top 20% nationally on SAT/ACT college entrance exam per 1,000 high school graduates	98	137	227
Number of scores that are 3 or higher on an Advanced Placement subject test per 1,000 high school juniors and seniors	104	186	219
Teacher Quality (10%)			
<i>7th to 12th graders taught by teachers with a major in their subject</i>	51%	68%	81%

*Eighty-two percent of 18- to 24-year-olds have a regular high school diploma; 5% have a GED.
Note: Indicators in italics are new for 2004.

- In the same period, the percentage of 8th graders performing well on national assessments in math has increased, but the state's current performance on this measure is poor compared with other states.

- The percentage of low-income 8th graders performing well on national assessments in math has increased substantially over the past decade, but California's current performance relative to other states is very poor.

- Over the past few years, the percentage of 8th graders performing well on national assessments in science has decreased—the sharpest decline among the states on this measure.

- The percentage of secondary school students taught by qualified teachers has increased substantially over the past decade.

Other Key Facts

- Over the past decade, the percentage of young adults who are from minority ethnic groups and who earn a high school credential has increased from 65% to 82%.

- During the same period, the gap in earning a high school credential has narrowed between young adults from high-income families and those from low-income families. The percentage of young adults who are from low-income families and who earn a high school credential has increased from 63% to 82%.

- About 20% of children under age 18 live in poverty, compared with a national rate of 17%.

The preparation category measures how well a state's K–12 schools prepare students for education and training beyond high school. The opportunities that residents have to enroll in and benefit from higher education depend heavily on the performance of their state's K–12 educational system.

2004
Grade

Improvement
Over Decade



Over the past decade, California has improved in enrolling students in higher education. This year California receives an A in participation.

Graded Information

■ Compared with other states, the chance of California high school students enrolling in college by age 19 is low, because few students graduate from high school and enroll in college.

■ California is the top state in the percentage of working-age adults (ages 25 to 49) enrolled part-time in college-level education or training.

Change in Graded Measures

■ Over the past decade, the chance of enrolling in college by age 19 has declined by 9%, compared with a national decline of 3%. The state's decrease is primarily due to a decline in the percentage of graduates going on to college immediately after high school.

■ The percentage of working-age adults who are enrolled part-time in college-level education or training has substantially increased, and this improvement has made California the top performer on this measure.

Other Key Facts

■ Among the young adult population (ages 18 to 24), the gap in college participation between whites and minority ethnic groups has narrowed. A decade ago, 26 of every 100 young adults from minority ethnic groups were enrolled in college; now 35 of 100 are.

PARTICIPATION	CALIFORNIA		Top States 2004
	A Decade Ago	2004	
Young Adults (60%)			
Chance for college by age 19	35%	32%	52%
18- to 24-year-olds enrolled in college	32%	38%	40%
Working-Age Adults (40%)			
25- to 49-year-olds enrolled part-time in any type of postsecondary education	5.3%	5.8%	5.4%

■ The college participation gap between young adults from high-income and those from low-income families has also narrowed. A decade ago, 26 of every 100 young adults from low-income families were enrolled in college; now 37 of 100 are.

■ The state's population is projected to grow by 27% from 2000 to 2015, far faster than the national rate of 13%. During approximately the same period, the number of high school graduates is projected to increase by 8%.

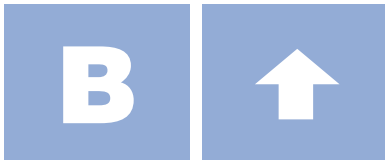
■ About 19% of the adult population has less than a high school diploma or its equivalent, compared with 14% of adults nationwide.

■ In California, 1,072 more students are entering the state than are leaving to attend college. About 8% of California high school graduates who go to college attend college out of state.

The participation category addresses the opportunities for state residents to enroll in higher education. A strong grade in participation generally indicates that state residents have high individual expectations for education and that the state provides enough spaces and types of educational programs for its residents.

2004
Grade

Improvement
Over Decade



With many low-priced community colleges, California has provided students and families with opportunities for affordable higher education over the past decade. This year California earns a B in affordability.

Graded Information

■ Compared with best-performing states, families in California devote a large share of family income, even after financial aid, to pay the net college costs (including tuition, room, and board) of attending public two- and four-year colleges and universities, which enroll over 90% of college students in the state.

■ However, California offers low-priced college opportunities for low-income families through its community colleges.

■ Undergraduate students borrowed on average \$3,710 in 2003.

Change in Graded Measures

■ Over the past decade, the share of income needed to pay for college expenses after financial aid has decreased from 31% to 25% at community colleges and from 37% to 32% at public four-year institutions. During the same period, the state has increased its commitment to financially needy students. Nonetheless, the share of income, including financial aid, needed to pay for college remains large relative to other states.

Other Key Facts

■ In California, 69% of students are enrolled in community colleges and 22% in public four-year colleges and universities.

AFFORDABILITY	CALIFORNIA		Top States A Decade Ago
	A Decade Ago	2004	
Family Ability to Pay (50%)			
Percent of income (average of all income groups) needed to pay for college expenses minus financial aid:			
at community colleges	31%	25%	15%
at public 4-year colleges/universities	37%	32%	16%
at private 4-year colleges/universities	70%	71%	32%
Strategies for Affordability (40%)			
State investment in need-based financial aid as compared to the federal investment	27%	48%	89%
At lowest-priced colleges, the share of income that the poorest families need to pay for tuition	2%	4%	7%
Reliance on Loans (10%)			
Average loan amount that undergraduate students borrow each year	\$3,280	\$3,710	\$2,619

Note: In the affordability category, the lower the figures the better the performance for all indicators except for "State investment in need-based financial aid."

The affordability category measures whether students and families can afford to pay for higher education, given income levels, financial aid, and the types of colleges and universities in the state.

A CLOSER LOOK AT FAMILY ABILITY TO PAY	Average family income	Community colleges		Public 4-year colleges/universities		Private 4-year colleges/universities	
		Net college cost*	Percent of income needed to pay net college cost	Net college cost*	Percent of income needed to pay net college cost	Net college cost*	Percent of income needed to pay net college cost
Income groups used to calculate 2004 family ability to pay							
20% of the population with the lowest income	\$12,500	\$7,441	60%	\$9,618	77%	\$22,822	183%
20% of the population with lower-middle income	\$28,057	\$7,922	28%	\$10,148	36%	\$22,638	81%
20% of the population with middle income	\$47,000	\$8,217	17%	\$10,734	23%	\$21,754	46%
20% of the population with upper-middle income	\$75,000	\$8,321	11%	\$11,057	15%	\$21,502	29%
20% of the population with the highest income	\$128,700	\$8,326	6%	\$11,199	9%	\$23,342	18%
40% of the population with the lowest income	\$20,279	\$7,681	38%	\$9,883	49%	\$22,730	112%

*Net college cost equals tuition, room, and board, minus financial aid.

Those who are striving to reach or stay in the middle class—the 40% of the population with the lowest incomes—earn on average \$20,279 each year.

■ If a student from such a family were to attend a community college in the state, their net cost to attend college would represent about 38% of their income annually:

Tuition, room, and board:	\$8,351
Financial aid received:	—\$ 669
Net college cost:	\$7,681
Percent of income:	38%

■ If the same student were to attend a public four-year college in the state, their net cost to attend college would represent about 49% of their income annually:

Tuition, room, and board:	\$11,655
Financial aid received:	—\$ 1,772
Net college cost:	\$9,883
Percent of income:	49%

Note

The numbers shown for tuition, room, and board minus financial aid may not exactly equal net college cost due to rounding.

2004
Grade

Improvement
Over Decade



California, over the past decade, has seen an improvement in the proportion of students earning certificates and degrees in a timely manner. This year California receives a C in completion.

Graded Information

- Compared with other states, only an average percentage (48%) of first-year students in community colleges return for their second year.
- Eighty-four percent of freshmen at public and private four-year colleges and universities return for their sophomore year, making California a top-performing state on this measure.
- A very large percentage (59%) of first-time, full-time college students complete a bachelor's degree within six years of enrolling in college.
- However, the proportion of students completing certificates and degrees, relative to the number enrolled, is very small.

Change in Graded Measures

- Over the past decade, the percentage of first-year community college students returning for their second year has increased by 7% in California, in contrast to a nationwide decline of 2% on this measure.
- In the same period, California consistently has had a very high percentage of freshmen at four-year colleges and universities returning for their sophomore year.

COMPLETION	CALIFORNIA		Top States 2004
	A Decade Ago	2004	
Persistence (20%)			
1st year community college students returning their second year	45%	48%	63%
Freshmen at 4-year colleges/universities returning their sophomore year	81%	84%	84%
Completion (80%)			
First-time, full-time students completing a bachelor's degree within 6 years of college entrance	58%	59%	64%
Certificates, degrees, and diplomas awarded at all colleges and universities per 100 undergraduate students	10	12	21

■ During the past few years, California has also consistently performed very well on the percentage of first-time, full-time college students earning their bachelor's degree within six years of enrolling in college.

■ Over the past decade, the state has seen an increase in the proportion of students completing certificates and degrees relative to the number enrolled, with the greatest growth in certificates and associate's degrees awarded and a decline in the proportion of students earning bachelor's degrees. The state's current performance on this measure remains very low relative to other states.

Other Key Facts

■ Over the past decade, California has made progress in narrowing the gaps between whites and all minority ethnic groups in the proportion of students completing certificates and degrees relative to the number enrolled.

The completion category addresses whether students continue through their educational programs and earn certificates or degrees in a timely manner. Certificates and degrees from one- and two-year programs as well as the bachelor's degree are included.

2004
Grade

Improvement
Over Decade



California has seen a notable increase in benefits to the state from a more highly educated population over the past decade. That positive performance continues this year, and California earns an A in benefits.

Graded Information

■ Compared with other states, a high proportion of residents have a bachelor's degree, and this substantially strengthens the state economy, making California a top performer on this measure.

■ In addition, residents contribute substantially to the civic good, as measured by voting and charitable giving.

Change in Graded Measures

■ Over the past decade, the percentage of residents who have a bachelor's degree has increased substantially, and the economic benefits that the state enjoys as a result have increased substantially as well. California has consistently performed very well on the economic benefits measure.

Other Key Facts

■ If all ethnic groups had the same educational attainment and earnings as whites, total personal income in the state would be about \$83.8 billion higher, and the state would realize an estimated \$29.3 billion in additional tax revenues.

■ A decade ago, 16 of every 100 adults from minority ethnic groups had a bachelor's degree; now 21 of 100 do.

■ In 2002, California scored 86 on the New Economy Index, compared to a nationwide score of 60. The New

BENEFITS	CALIFORNIA		Top States 2004
	A Decade Ago	2004	
Educational Achievement (37.5%)			
Population aged 25 to 65 with a bachelor's degree or higher	26%	31%	36%
Economic Benefits (31.25%)			
Increase in total personal income as a result of the percentage of the population holding a bachelor's degree	9%	12%	12%
Increase in total personal income as a result of the percentage of the population with some college (including an associate's degree), but not a bachelor's degree	3%	3%	3%
Civic Benefits (31.25%)			
Residents voting in national elections	48%	44%	60%
Of those who itemize on federal income taxes, the percentage declaring charitable gifts	89%	89%	92%
<i>Increase in volunteering rate as a result of college education</i>	n/a	14%	22%
Adult Skill Levels (0%)*			
Adults demonstrating high-level literacy skills:			
quantitative	23%	24%	33%
prose	23%	25%	33%
document	19%	21%	28%

*Adult Skill Levels for 2004 are estimated and are not used to calculate grades.

Note: Indicators in italics are new for 2004.

Economy Index, developed by the Progressive Policy Institute, measures the extent to which states are participating in knowledge-based industries.

■ Policymakers and state residents do not have access to important information about high-level literacy skills because the state has declined to participate in the national literacy survey.

The benefits category measures the economic and societal benefits that the state receives as the result of having well educated residents.

2004
Grade



Like most states, California received an Incomplete in learning because there are no comparable data that would allow for meaningful state-by-state comparisons in learning. The Incomplete in this category highlights a gap in our ability to measure each state's educational capital—the reservoir of high-level knowledge and skills that benefit each state.

Measuring Up 2004 gives a “Plus” in learning to five states (Illinois, Kentucky, Nevada, Oklahoma, and South Carolina) that have developed learning measures through their participation in a national demonstration project conducted by the National Forum on College-Level Learning and funded by The Pew Charitable Trusts.*

Based on the results of the project, the learning category is being constructed like the other performance categories in *Measuring Up*, with indicators that are grouped in several themes, each of which is weighted (see parentheses) and reflects a particular dimension of state performance:

1. Abilities of the College-Educated Population (25%). This cluster of indicators examines the proportion of college-educated residents who achieve high levels of literacy. For the 2004 demonstration, the data used are the same as those included in the benefits category and are based on the 1992 National Adult Literacy Survey (NALS) for citizens aged 25 to 64, updated through the 2000 census. The NALS assessment poses real-world tasks or problems that require respondents to read and interpret texts (prose), to obtain or act on information contained in tabular or graphic displays (document), and to understand numbers or graphs and perform calculations (quantitative).

2. Institutional Contributions to Educational Capital (25%). The indicators in this area reflect the contributions to a state's stock of “educational capital” by examining the proportion of the state's college graduates (from two- and four-

Learning	California
Literacy Levels of the State's Residents (25%)	
Prose	?
Document	?
Quantitative	?
Graduates Ready for Advanced Practice (25%)	
Licensures	?
Competitive admissions	?
Teacher preparation	?
Performance of College Graduates (50%)	
<i>From four-year institutions</i>	
Problem-solving	?
Writing	?
<i>From two-year colleges</i>	
Reading	?
Quantitative skills	?
Locating information	?
Writing	?

Note: Measures included under the first two clusters are available nationally and can be calculated for all 50 states. Measures included in the third will require special data-collection efforts similar to those undertaken by the five demonstration project states in 2004.

year institutions) ready for advanced practice. For the 2004 demonstration, the measures are based on available records for college graduates within each state who have demonstrated their readiness for advanced practice by (a) passing a national examination required to enter a licensed profession such as nursing or physical therapy, (b) earning a competitive score on a nationally recognized graduate admissions examination such as the Graduate Record Examination (GRE) or the Medical College Admissions Test (MCAT), or (c) passing a teacher licensure examination in the state in which they graduated. These measures are presented as a proportion of total bachelor's and associate's degrees granted in the state during the time period.

1. What are the abilities of the college-educated population?

2. To what extent do colleges and universities educate students to be capable of contributing to the workforce?

3. How well can graduates of two- and four-year colleges and universities perform complex problem-solving tasks?

3. Performance of College Graduates (50%). These indicators examine how well the graduates of the state's two- and four-year colleges and universities can perform complex tasks related to academic and real-world problem-solving situations. For the 2004 demonstration, the measures consist of two sets of assessments, the Collegiate Learning Assessment (CLA) for four-year students and the ACT Work Keys assessment for two-year students. The CLA is an innovative examination that poses real-world tasks that a student is asked to understand and solve. For example, students could be asked to draw scientific conclusions, examine historical evidence, or develop a persuasive essay. The ACT Work Keys examines what students can do with what they know. Students might be asked to extract information from documents and instructions, or use mathematical concepts such as probability or estimation in real-world settings. The Work Keys writing assessment requires students to prepare an extended essay.

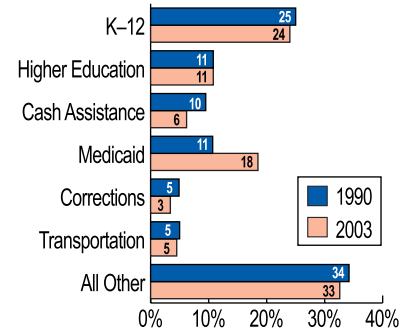
* A report on the results and lessons of the five-state demonstration project will be released in November.

State Context	California	State Rank
Population (2003)	35,484,453	1
Gross state product (2001, in millions)	\$1,359,265	1
Leading Indicators	California	U.S.
Projected % change in population, 2000-2015	27.2%	12.9%
Projected % change in number of all high school graduates, 2002-2017	7.6%	8.0%
Projected budget surplus/shortfall by 2010	-2.5%	-3.4%
Average income of poorest 20% of population (2002)	\$12,500	\$12,072
Children in poverty (2001)	19.0%	16.0%
Percent of adult population with less than a high school diploma or equivalent (2003)	18.9%	14.0%
New economy index (2002)*	85.5	60.3
Facts and Figures	California	
	Number/Amount	Percent
Institutions of Postsecondary Education (2002-03)		
Public 4-year	33	
Public 2-year	111	
Private 4-year	176	
Private 2-year	80	
Students Enrolled by Institution Type (2001)		
Public 4-year	459,253	22%
Public 2-year	1,462,716	69%
Private 4-year	176,852	8%
Private 2-year	35,220	2%
Students Enrolled by Level (2001)		
Undergraduate	2,134,041	90%
Graduate	214,645	9%
Professional	31,404	1%
Enrollment Status of Students (2001)		
Full-time	1,115,285	47%
Part-time	1,264,805	53%
Net Migration of Students (2000)		
Positive numbers for net migration mean that more students are entering than leaving the state to attend college. Negative numbers reveal the reverse.	1,072	
Average Tuition (2002-03)		
Public 4-year institutions	\$3,797	
Public 2-year institutions	\$493	
Private 4-year institutions	\$19,711	
State and Local Appropriations for Higher Education		
Per \$1,000 of personal income, FY 2004	\$7	
Per capita, FY 2004	\$241	
% change, FY 1994-2004		92%

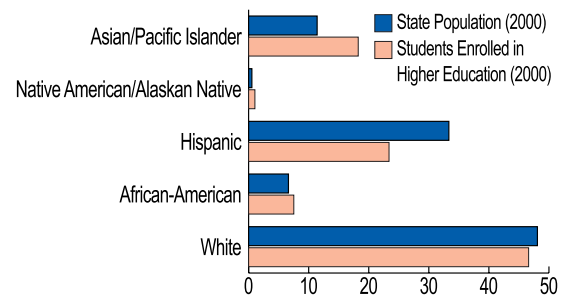
* This index, created by the Progressive Policy Institute, measures the extent to which a state is participating in knowledge-based industries. A higher score means increased participation.

Note: Percentages might not add to 100 due to rounding.

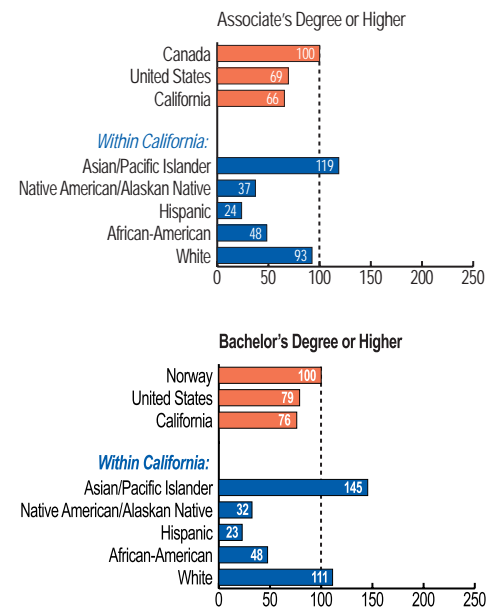
Share of State Appropriations



Ethnic Distribution (%)



Attainment of College Degrees in United States and Top Country, 25- to 34-year-olds (2000)



Note: These two charts compare performance in the U.S. to the performance of the top country, which receives a score of 100.

QUESTIONS & ANSWERS

Q: Who is being graded in this report card, and why?

A: *Measuring Up 2004* grades states, not individual colleges or universities, on their performance in higher education. The states are responsible for preparing students for higher education through sound K–12 systems, and they provide most of the public financial support—\$69 billion currently—for colleges and universities. Through their oversight of public colleges and universities, state leaders affect the kind and number of programs available in the state. They determine the limits of financial support and often influence tuition and fees for public colleges and universities. They determine how much state-based financial aid to make available to students and their families, which affects students attending private as well as public colleges and universities.

Q: How are states graded?

A: The report card grades states in six performance categories: academic preparation, participation, affordability, completion, benefits, and learning. Each category is made up of several indicators, or quantitative measures—a total of 35 in the first five categories. Grades are calculated based on each state's performance on these indicators, relative to other states. *Measuring Up 2004* draws its data from the most recent public information available. Most of the data in *Measuring Up 2004* is from 2002 and 2003.

In the affordability category, *Measuring Up 2004* reflects the major changes in tuition and financial aid that occurred in 2003. In addition, each state's performance is now calculated in relation to the performance of top states a decade ago—rather than in relation to top states' current performance, as is the case with other graded categories. This change creates

a more stable basis for states to assess their performance in affordability, which is the most volatile of the graded categories.

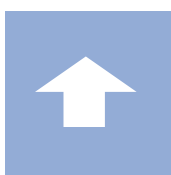
In the learning category, *Measuring Up 2004* reports information about five states (Illinois, Kentucky, Nevada, Oklahoma, and South Carolina) that participated in a pilot project on measuring learning. This report card gives these states a “Plus” for their efforts in assessing and measuring learning; however, all other states continue to receive an “Incomplete” in this category, as there is no information available to make state-by-state comparisons.

All data used to grade states in *Measuring Up 2004* were collected from national, reliable sources, including the U.S. Census and the U.S. Department of Education. All data are the most current available for state-by-state comparisons, are in the public domain, and were collected in ways that allow for effective comparisons among the states. The *Technical Guide* (available at www.highereducation.org) has information about sources used in *Measuring Up 2004*.

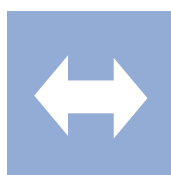
Q: What information is provided but not graded?

A: The state report cards highlight important gaps in college opportunities for various income and ethnic groups, and they identify improvements and setbacks in each state's performance over the past decade. In addition, the series of indicators measuring adult literacy skills (in the benefits category) is not being used to calculate grades in *Measuring Up 2004* because the data have not been updated in 12 years. As a temporary placeholder for these indicators, the National Center commissioned a study to estimate adult skill levels based on the 2000 Census. These estimates are provided in the charts found in the state report cards, but they are not used to calculate any grades.

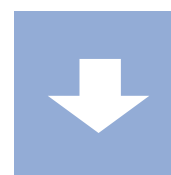
What do the arrows mean?



The state has improved on more than half of the indicators in the category.



The state has improved on some, but no more than half, of the indicators in the category.



The state has declined on every indicator in the category.

STATE GRADES

	Preparation	Participation	Affordability	Completion	Benefits
Alabama	D-	C	F	B-	C+
Alaska	B-	C	F	F	B
Arizona	D	B+	F	C+	B
Arkansas	C	C-	F	C	D+
California	C	A	B	C	A
Colorado	A-	B	D-	B-	A
Connecticut	A	A	F	B	A
Delaware	C+	C+	F	A-	A-
Florida	C	C	F	A-	B-
Georgia	C	D	F	B	B
Hawaii	C	B-	D	C	B
Idaho	C	C-	D-	C+	C
Illinois	B+	A	D	B	B-
Indiana	C	C+	D	B	C
Iowa	B+	B+	F	A	C
Kansas	B	A	F	B	B+
Kentucky	C-	B-	D-	C	B
Louisiana	F	D+	F	C	C
Maine	B	B-	F	B	B
Maryland	A-	A	F	B-	A
Massachusetts	A	A	F	A	A
Michigan	C	B+	F	C+	A-
Minnesota	B+	A	C-	B+	A
Mississippi	D+	D	F	B-	C
Missouri	B-	B	F	B	B
Montana	B+	C	F	C	C
Nebraska	B+	A	F	B	B
Nevada	D	C	F	F	C-
New Hampshire	B+	C+	F	A	A-
New Jersey	A	A-	D	B	A
New Mexico	F	A-	F	D	C+
New York	A	C+	F	B+	B
North Carolina	B	C+	D-	B	C
North Dakota	B	A-	F	B	C
Ohio	C+	C+	F	B	B-
Oklahoma	C-	C	F	C-	C+
Oregon	C	B-	F	C	B
Pennsylvania	B-	B	F	A	B
Rhode Island	C+	A	F	A	B+
South Carolina	C	C-	F	B	C
South Dakota	B	B+	F	B	C-
Tennessee	C-	C-	F	C+	C
Texas	C+	C	D	C	B-
Utah	A	C+	C	B	B
Vermont	C+	C	F	A	B-
Virginia	B+	B-	D-	B	A-
Washington	B-	C	F	A-	A-
West Virginia	C+	C-	F	C	D
Wisconsin	B+	B	D	A-	C+
Wyoming	C+	B	F	B+	D

MEASURING UP 2004 RESOURCES

To view *Measuring Up 2004* and its resources visit

www.highereducation.org

Select the *Measuring Up* icon

National Picture

- **Snapshot:** Performance overview on national maps
- **Improvement:** The nation's performance over the past decade
- **Download** the national report in PDF format

State Reports

- **State Report Cards:** A comprehensive picture of higher education in each state
- **Download** each state's report card in PDF format

Compare States

- **Graded Performance:** Compare state results by performance category
- **State Facts:** Compare non-graded state information
- **Index Scores (sort/compare/map):** Sort states by their rank within each category and create a national map based on individual indicator scores

Commentary

- **Foreword,** by James B. Hunt Jr., Chairman, and Garrey Carruthers, Vice Chairman of the National Center's Board of Directors
- **A Message** from Governor Mark R. Warner, Governor of Virginia and Chairman of the National Governors Association

■ **A Ten-Year Perspective: Higher Education Stalled Despite High School Improvement,** by Patrick M. Callan, President of the National Center

- **Grading Learning: Extending the Concept**
- Special reports forthcoming

News Room

- **National Press Release**
- **State Press Releases**
- **Press Contact Information**

About *Measuring Up*

- Questions and Answers about *Measuring Up 2004*
- What is *Measuring Up*?
- How We Grade States
- How We Measure Improvement
- *Measuring Up 2004* Database
- *Technical Guide*
- “*Measuring Up 2004* and Beyond” Working Group
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