

# Fact Book

## on Higher Education

U.S. Regions and 50 States in Perspective

Susan Lounsbury Lisa Cowan

September 2015

Southern Regional Education Board 592 10th St. N.W. Atlanta, GA 30318-5776 (404) 875-9211 www.sreb.org



Copies of the *Fact Book on Higher Education* are available from the SREB publications office. SREB continuously monitors new comparative data and makes them available on the SREB website: www.sreb.org. The website also features an online edition of the *Fact Book* with links to the latest updates of the tables and individual *Featured Facts* reports for each of the 16 SREB states.





#### **Message from the SREB President**

A state's prosperity depends on the education level of its people. This is at the heart of SREB's mission and the reason we bring you the *Fact Book on Higher Education*.

In 1956, when SREB first published the *Fact Book on Higher Education*, **6** percent of the region's adults held bachelor's degrees. Today, that rate has climbed to over **28** percent — **36** percent when we include those who hold associate degrees.

But the times have changed, too. The demands of today's economy set the bar even higher, as so many more of today's jobs — and tomorrow's — require postsecondary credentials. SREB's Challenge to Lead goals for education call for **60** percent of the working-age population to have at least a postsecondary certificate or associate degree by 2020.

The SREB *Fact Book* is an important tool to help us get there. It affords us the opportunity to look at both long-term national trends as well as specifics by types of institutions in each state. Leaders can study data that influence key transitions along the education continuum so they can develop effective policies to encourage college-ready high school graduates to pursue postsecondary education.

A look down the education pipeline shows areas of improvement. Public high school graduation rates, college progression rates, and numbers of degrees and certificates awarded — all show increases in this edition.

We also see trends that need our attention. College affordability is a growing threat to higher attainment, and the *Fact Book* documents that low-income students have lost ground in paying for college. Tuition and fees have risen faster than incomes. Pell Grants have lost buying power over the last 30 years. And debt has risen as more students take out loans to finance their education.

This *2015 Fact Book* continues SREB's long commitment — for almost 60 years — of providing member states information to help them monitor their improvements in education. It includes data on all 50 states for a nationwide context for regional trends. The data are updated regularly online, and we are making improvements to how we bring the *Fact Book* to you digitally.

Armed with these facts, education leaders and state policymakers can evaluate progress toward education goals — and determine how best to influence a future where more-employable residents grow our states' economies.

Dave Spence President

Wavid S Spence

SREB Fact Book 2015

<del>-</del>







#### **Acknowledgments**

The annual SREB-State Data Exchange is the foundation of each edition of the *SREB Fact Book on Higher Education*. The SREB-State Data Exchange partners, listed in Appendix B, are essential to the collection of the comprehensive, up-to-date comparative data that serve as the basis for much of the Fact Book.

Several organizations and federal agencies also are important sources of information: the American Association of Colleges of Osteopathic Medicine; the American Medical Association; the Association of Research Libraries; the Center for Higher Education at Illinois State University; *The Chronicle of Higher Education*; the College and University Professional Association for Human Resources; the Institute for College Access and Success; the National Association of State Student Grant and Aid Programs; the National Center for Higher Education Management Systems; the National Science Foundation; the State Higher Education Executive Officers Association; the U.S. Bureau of Economic Analysis; the U.S. Bureau of Labor Statistics; the U.S. Census Bureau; the Washington Office of The College Board; and various offices of the U.S. Department of Education, especially the National Center for Education Statistics, the Office of Postsecondary Education and the Office of Student Financial Assistance.

The *SREB Fact Book* is a team effort. The thoughtful suggestions of SREB Vice President of Education Data, Policy Research and Programs, Joan Lord improved the book's topical focus. Editorial consultant Teresa Valentine contributed greatly to accuracy, consistency and readability. Senior Designer and Production Manager Lety Jones gracefully handled all pre-publication production.

ii SREB Fact Book 2015

<del>-</del>







### **Table of Contents**

Mes	ssage from the SREB President	
Ackı	cnowledgments	i
Tabl	ole of Contents	ii
Intro	roduction	ix
Dox	nulation Factory Schools and Covernment	1
	pulation, Economy, Schools and Government	, <b> 1</b>
Graf	•	
-	pulation Growth	
	cent of 25- to 64-Year-Olds With an Associate Degree or Higher	3
Perc	cent of Racial and Ethnic Groups 25 Years and Older With a Bachelor's Degree or Higher,  SREB States	4
Perc	cent of Residents by Age Group, SREB States	5
Publ	olic High School Graduation Rates by Race/Ethnicity, SREB States	6
Tabi	ples -	
1.	Total Population and Changes	3
2.	Education Attainment of the Adult Population	
3.	Education Attainment of Working-Age and Young Working-Age Adults	
4.	Education Attainment of the Working-Age Population by Race/Ethnicity	
5.	Racial and Ethnic Composition of the Population	
6.	Age Distribution of the Population	14
7.	Education Attainment of the Adult Population by Racial/Ethnic Group	16
8.	Public Prekindergarten, Elementary and Secondary School Enrollment	17
9.	High School Graduation Rates	18
10.	Per Capita Income	20
11.	Median Annual Income of Households	21
12.	Poverty Rates in the Population and Among Children	22
13.	Employment and Unemployment in the Civilian Labor Force	23
14.	Nonagricultural Employment	24
15.	Percent Distribution of State and Local Government General Expenditures	26
16.	Percent Distribution of State and Local Government General Revenues	28
17.	State and Local Government General Revenues and Personal Income	30
18.	State and Local Government General Expenditures	31
Col	llege Participation	33
Graf	aphs	
Coll	lege Enrollment Rates of Recent High School Graduates, 2002 and 2012	33
Perc	centage of First-Time Freshmen Attending College in Their Home State, 2012	34
Stud	dents 24 and Younger Still Majority of College Enrollment	35

SREB Fact Book 2015 iii



Perce	ent of Total Enrollment by Race/Ethnicity, 2013	36
Colle	ge Enrollment Rates of 18- to 24-Year-Olds by Race/Ethnicity,	
	United States, 2007 and 2012	37
Two-	Year College Students as a Percent of Undergraduate Enrollment, 2008 and 2013	38
Enrol	llment in Online-Only Colleges by Region Where College Headquartered, 2013	39
Table	<i>28</i>	
19.	Estimated College Enrollment Rates of Recent High School Graduates	41
20.	Migration of First-Time Freshmen	42
21.	Freshman Merit Scholars	43
22.	Total Enrollment in Higher Education	44
23.	Enrollment Changes by Student Level and Type of Attendance	45
24.	Enrollment Changes by Gender and Race/Ethnicity	46
25.	Enrollment Changes by Type of College and University	47
26.	Undergraduate Enrollment	48
27.	Graduate and Professional Program Enrollment	49
28.	Part-Time Enrollment	50
29.	Age Distribution of College Students	51
30.	College Enrollment Rates by Age	52
31.	Enrollment of Women	53
32.	Enrollment of Men	54
33.	Enrollment of Black Students	55
34.	Enrollment of Hispanic Students	56
35.	Enrollment of White Students	57
36.	Enrollment in Four-Year Colleges and Universities	58
37.	Enrollment in Two-Year Colleges	59
38.	Enrollment in Predominantly Black and Historically Black Colleges	60
39.	Enrollment in Online-Only Colleges and Universities by State Where Institution is Headquartered	61
40.	Enrollment in Non-Degree-Granting Postsecondary Education Institutions	62
41.	Medical School Enrollment	63
42.	Full-Time-Equivalent Enrollment in Public Colleges and Universities, SREB States	64
43.	Percent of Undergraduate Credit-/Contact-Hours Taken by High School Students	66
44.	Percent of Instruction Through E-Learning	67
Coll	lege Completion	69
Grapi	hs	
-	age Annual Earnings of Adults Ages 25 or Older, by Highest Level of Education,	
	United States, 2013	69
Proje	cted Increases in Employment by Education and Training Required, United States, 2012–2020	70
Trend	ds in Student Progression Rates, SREB States	71
150 P	Percent of Normal Time Graduation Rates by Race/Ethnicity,	
	Public Colleges and Universities, 2013	72

iv SREB Fact Book 2015



0 "	ligan (C. l. e. p. p. ll. C. ll. litt. e.
	me and 150 Percent Graduation Rates, Public Colleges and Universities
_	ams Completed, Public and Private Colleges, SREB States
	tiate Degree Graduates from Public Two-Year Colleges, Participating SREB States, 2012-13
Bache	elor's Degree Graduates from Public Four-Year Colleges and Universities,
	Participating SREB States, 2012-13
	en Graduates as a Percent of Total Graduates, SREB States
	Graduates as a Percent of Total Graduates, SREB States
Hispa	nic Graduates as a Percent of Total Graduates, SREB States
Table	s
45.	First-Year Persistence and 150 Percent of Normal Time Progression Rates in
	Public Universities, Colleges, and Technical Institutes or Colleges
46.	150 Percent of Normal Time Graduation Rates in Public Universities and Colleges,
	by Race/Ethnicity
47.	100 Percent of Normal Time Graduation Rates in Public Universities and Colleges
48.	Sub-Bachelor's Certificates Awarded by Public and Private Colleges and Universities
49.	Awards Earned at Online-Only Colleges and Universities, 2012-13
50.	Associate Degrees Awarded by Public and Private Colleges and Universities
51.	Associate Degrees Awarded in Selected Fields
52.	Percent Distribution of Associate Degree Graduates and Time- and Credits-to-Degree,
	Public Two-Year Colleges, SREB States
53.	Percent Distribution of Bachelor's Degree Graduates and Time- and Credits-to-Degree,
	Public Four-Year Colleges and Universities90
54.	Bachelor's Degrees Awarded by Public and Private Colleges and Universities91
55.	Bachelor's Degrees Awarded in Selected Fields
56.	Master's Degrees Awarded by Public and Private Colleges and Universities93
57.	Master's Degrees Awarded in Selected Fields
58.	Research and Scholarship Doctoral Degrees Awarded by Public and
	Private Colleges and Universities95
59.	Research and Scholarship Doctoral Degrees Awarded in Selected Fields
60.	Professional Practice Doctoral Degrees Awarded by Public and
	Private Colleges and Universities
61.	Professional Practice Doctoral Degrees Awarded in Selected Fields
62.	Other Doctoral Degrees Awarded by Public and Private Colleges and Universities
	· · · · · · · · · · · · · · · · · · ·
Coll	ege Affordability
Graph	'ns
Annua	al Undergraduate Costs of College Attendance, United States
Perce	nt of Income Required to Pay for One Year at a Public Four-Year College, United States
Perce	nt of Tuition, Fees, Room and Board Covered by Maximum Federal Pell Grant,
U	United States
Stude	nt Financial Aid and Loan Trends, United States

SREB Fact Book 2015







Nhat	Students and Their Families Pay, Public Four-Year Colleges and Universities, 2012-13
Perce	nt of Bachelor's Degree Graduates with Debt, Public Four-Year Colleges, 2013
Table	rs S
53.	Median Annual Tuition and Required Fees for Full-Time Undergraduate Students
54.	Percent of Median Family Incomes Required to Pay Median Annual Tuition and Fees
55.	Median Annual Tuition and Required Fees for Full-Time Undergraduate Students at Public
	Universities, Colleges, and Technical Institutes or Colleges
66.	Federal Pell Grants
57.	Federal Campus-Based Financial Aid to Students
58.	Federal Student Loan Programs
59.	State Scholarships, Grants and Other Financial Aid Funds
70.	First-Time Students' Participation in Student Financial Aid and Loan Programs
	at Public Four-Year Colleges and Universities
71.	First-Time Students' Participation in Student Financial Aid and Loan Programs
	at Public Two-Year Colleges
72.	Cost of Attendance and Net Price for Fall-Term, Full-Time Degree-/Certificate-Seeking
	Undergraduates Who Paid In-State or In-District Tuition at Public Colleges and Universities
73.	Average Minimum Debt of College Graduates at Public Four-Year Colleges and Universities
Faci	ulty and Administrators127
Grap	hs
Nom	en Faculty and Administrators, SREB States
Black	and Hispanic Faculty and Administrators, SREB States
Proje	cted U.S. Job Growth, 2012 to 2022
Part-	Fime Faculty, SREB States
Stude	ent-to-Faculty Ratios, Four-Year Colleges and Universities, 2013
Chan	ges in Annual Pay, 1984 to 2014
Avera	ge Salaries, Full-Time Instructional Faculty at Public Four-Year
	Colleges and Universities, 2013-14
Avera	ge Salaries, Full-Time Instructional Faculty at Public Two-Year Colleges, 2013-14
Table	
74.	Full-Time Faculty at Public Four-Year Colleges and Universities
<sup>7</sup> 5.	Full-Time Faculty at Public Two-Year Colleges
76.	Part-Time Faculty and Teaching/Research Assistants as a Percent of Total Instructional
	Faculty at Public Colleges and Universities
77.	Full-Time Administrators at Public Four-Year Colleges and Universities
78.	Full-Time Administrators at Public Two-Year Colleges
79.	Staff at Public Four-Year Colleges and Universities
30.	Staff at Public Two-Year Colleges
31.	Percent Distribution of Full-Time Instructional Faculty by Rank
	at Public Four-Year Colleges and Universities

SREB Fact Book 2015 ٧i





82.	Estimated Percent Distribution of Full-Time Faculty by Teaching Field	
	at Public Four-Year Colleges and Universities	145
83.	Median Student-to-Faculty Ratios	146
84.	Average Salaries of Full-Time Instructional Faculty at Public Four-Year	
	Colleges and Universities	147
85.	Average Salaries of Full-Time Instructional Faculty at Public Two-Year Colleges	
	and Technical Institutes or Colleges	148
86.	Average Salaries of Full-Time Instructional Faculty by Rank at Public Four-Year	
	Colleges and Universities	149
87.	Average Salaries of Full-Time Instructional Faculty by Type of Public Four-Year	
	College or University	150
88.	Estimated Average Salaries of Full-Time Faculty by Teaching Field	
	at Public Four-Year Colleges and Universities	15
89.	Estimated Average Salaries of Full-Time Administrators at Public Four-Year Colleges	
	and Universities	152
Rev	enues and Expenditures	153
Grapi	hs	
Chan	ges in Per Student Funding Adjusted for Enrollment Changes and Inflation,	
	Public Colleges and Universities, SREB States, 2010-11 to 2013-14	153
Comp	ponents of Funding Growth, SREB States, 2008-09 to 2011-12	154
Ratio	of State Appropriations and Tuition and Fee Revenues, SREB States	15
Fundi	ing Sources for Public Four-Year Colleges and Universities, SREB States	156
Fundi	ing Sources for Public Two-Year Colleges, SREB States	157
Spend	ding Patterns at Public Four-Year Colleges and Universities, SREB States	157
Spend	ding Patterns at Public Two-Year Colleges, SREB States	158
Sourc	ces of Scholarship and Fellowship Spending at Public Colleges and Universities,	
	SREB States, 2012-13	159
Table	<i>28</i>	
90.	Funds for Educational and General Operations Per Full-Time-Equivalent Student	
	at Public Four-Year Colleges and Universities	16
91.	Funds for Educational and General Operations Per Full-Time-Equivalent Student	
	at Public Two-Year Colleges	162
92.	Funds for Educational and General Operations Per Full-Time-Equivalent Student	
	at Public Technical Institutes or Colleges	163
93.	Appropriations of State Tax Funds for Operating Expenses Related to Higher Education	164
94.	State Appropriations Related to Higher Education as Percentages of State Taxes	165
95.	Percent Distribution of Funds for Operations Related to Higher Education, 2013-14	166
96.	Percent Distribution of Revenues at Public Four-Year Colleges and Universities	168
97.	Percent Distribution of Revenues at Public Two-Year Colleges	169

SREB Fact Book 2015 vii





98.	Percent Distribution of Spending at Public Four-Year Colleges and Universities	170
99.	Percent Distribution of Spending at Public Two-Year Colleges	171
100.	Percent Distribution of Scholarships and Fellowships at Public Four-Year Colleges	
	and Universities	172
101.	Percent Distribution of Scholarships and Fellowships at Public Two-Year Colleges	173
102.	Federal Support for Research and Development at Universities, by State	174
103.	Top-Ranked Universities' Spending on Research and Development	175
104.	Federal Support for Research and Development at Universities, Top 100	176
105.	University Endowments	178
106.	Universities' Large Library Collections, Expenditures and Staff	180
Appe	endix A	
	SREB-State Data Exchange Definitions of Institutional Categories and Listing of Public Universities, Four-Year and Two-Year Colleges, and Technical Institutes and Colleges	183
Appe	endix B	200
	SREB-State Data Exchange Agencies	195

viii SREB Fact Book 2015

