

Online Appendix

State Merit Aid Programs and Youth Labor Market Attachment

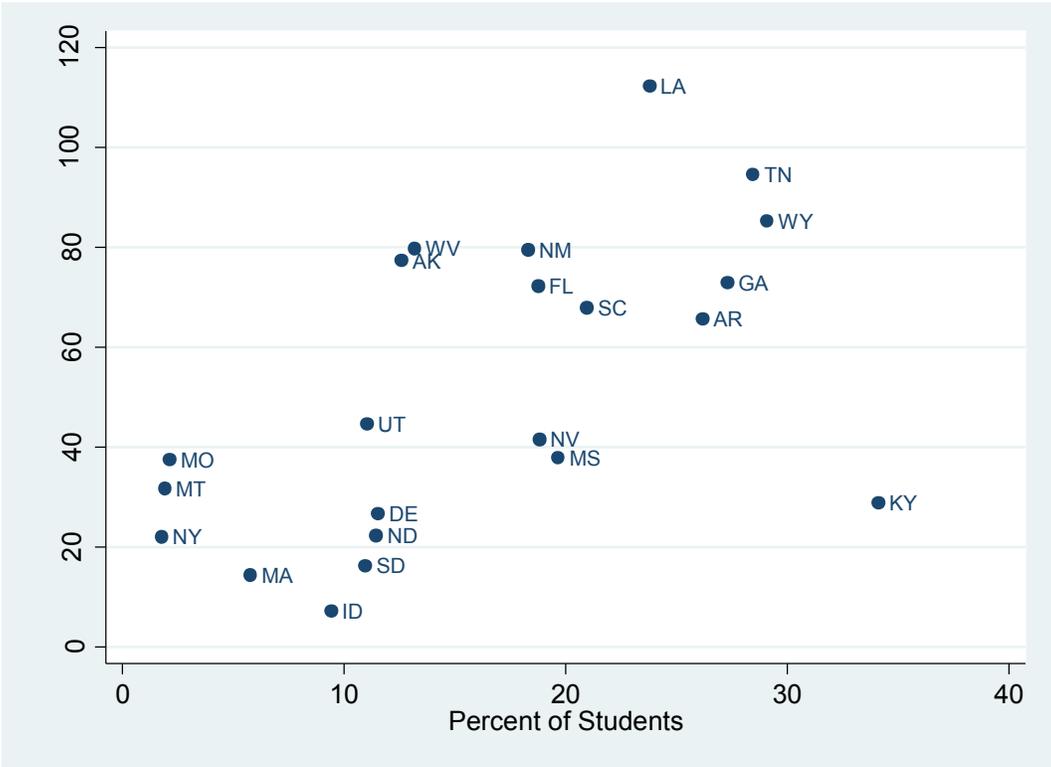
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June 2018

This document is a companion to the paper with the same title.

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Appendix Figure 1: The Relationship between Both Measures of the Generosity of Merit Aid Programs across States



Notes: This figure displays the relationship between two measures of generosity of merit-aid programs, the maximum amount of merit aid as a percent of tuition and fees of the enrollment-weight average in-state public colleges and universities and the percent of students at in-state public colleges and universities receiving merit aid for 2013.

Appendix Table 1: Overview of Merit-Aid Programs

State	Program	Start Year	End Year	Program Description	Need Component	Other Programs
Alaska	University of Alaska Scholars Program	2000		\$1375 scholarship per semester to undergraduate students enrolled in public four year institutions in Alaska; for 8 semesters. Eligibility criterion: Top 10% of all graduating seniors from Alaska high schools.	No	
	Alaska Performance Scholarship	2012		\$2378 to \$4755 scholarship per year (prorated for halftime enrollment) to students, with qualifying unmet costs of attendance after considering all other financial aid, enrolled in accredited university or college; for 8 semesters. Eligibility criterion: High school GPA, ACT/ SAT score, and specified high school curriculum.	No	
Arkansas	Arkansas Academic Challenge Scholarship	1992		Lesser of annual tuition or fixed amount (up to 1999), varying amounts (from 2000) of scholarship for different years, to students, enrolled at public or private college or university; for 8 semesters (16 semesters for part-time students). Eligibility criterion: High school GPA, ACT score, pre-collegiate core curriculum (up to 2010); high school GPA or ACT score, and pre-collegiate core curriculum (from 2011).	Yes (up to 2010); No (from 2011)	Arkansas Governor's Scholars Program
California	Cal Grant A - Entitlement and Competitive	2002		Tuition and fees to students, enrolled at least halftime at California State University and University of California schools (partial tuition and fees for students enrolled in independent postsecondary institutions), having financial need and family income and assets below established ceilings. Eligibility criterion: High school GPA.	Yes	Cal Grant A - Transfer Entitlement, Cal Grant B - Transfer

State	Program	Start Year	End Year	Program Description	Need Component	Other Programs
	Cal Grant B - Entitlement and Competitive	2002		Up to \$1551 stipend during first year to low-income students enrolled at least halftime in an undergraduate academic program at a postsecondary institution, having financial need and family income and assets below the established ceilings. After first year, stipend plus tuition and fees in the same amount as Cal Grant A. Eligibility criterion: High school GPA.	Yes	Entitlement, Cal Grant C
Delaware	Student Excellence Equals Degree (SEED)	2007		Tuition assistance (after other financial aid received is deducted from tuition cost) to fulltime students in associate degree programs at Delaware Technical Community College, or in Associate in Arts programs at University of Delaware; for 6 semesters. Eligibility criterion: High school GPA, or ACT score (for home-schooled students)	No	
	Inspire Scholarship	2012		Tuition assistance (after other financial aid received is deducted from tuition cost) up to \$3000 per year to fulltime students in degree programs at Delaware State University; for 6 semesters. Eligibility criterion: High school GPA.	No	
Florida	Florida Academic Scholars	1998		Tuition and allowable fees scholarship of fixed cost per credit hour, based on institution type, to students, enrolled at postsecondary institutions; for maximum 120 semester hours. Eligibility criterion: High school GPA, SAT/ ACT score (up to 1999); additional requirement of community service hours (from 2000).	No	Gold Seal Vocational Scholars
	Florida Medallion Scholars	1998		Tuition and allowable fees scholarship (100% for 2 year institutions and 75% for 4 year institutions) of fixed cost per credit hour, to students, enrolled at postsecondary institutions; for maximum 120	No	

State	Program	Start Year	End Year	Program Description	Need Component	Other Programs
				semester hours. Eligibility criterion: High school GPA, SAT/ ACT score (up to 2012); additional requirement of community service hours (from 2013).		
Georgia	HOPE Scholarship, Zell Miller Scholarship	1994		Tuition, approved mandatory fees (capped at the same amount allowed for 2003-04 award year and prorated for private institutions), and book allowance of up to \$150 per semester to students, enrolled in degree seeking programs at postsecondary institutions; for 127 semester hours. Payment of mandatory fees and book allowance are eliminated from 2012. Eligibility criterion: High school GPA, or college preparatory curriculum numeric average (up to 2012); high school GPA (from 2013).	Yes (up to 1995); No (from 1996)	HOPE Grant
Idaho	Idaho Promise Scholarship Category B	2002	2014	Maximum award of \$600 per year to fulltime students under age of 22, enrolled at postsecondary institutions; for 4 semesters. Eligibility criterion: High school GPA, or ACT/ SAT score.	No	Idaho Promise Scholarship Category A
Illinois	Merit Recognition Scholarship	1988	2005	A \$1000 scholarship during first year of enrollment, disbursed in two installments, to undergraduate students, enrolled at least halftime at an institution of higher learning. Eligibility criterion: High school GPA at or above 95 th percentile in class, or ACT/ SAT score at or above 95 th percentile in State.	No	
Kentucky	Kentucky Educational Excellence Scholarship	2000		Scholarship of \$125 to \$2000 per year (prorated for part-time students), based on high school GPA, with additional bonus of \$36 to \$500 based on ACT score, to students, enrolled at postsecondary institutions; for 8 semesters. Students eligible for	No; Yes, for supplement part only (from	

State	Program	Start Year	End Year	Program Description	Need Component	Other Programs
				free or reduced price lunch during any year in high school may receive \$200 to \$300 supplemental amount for each AP or IB exam scores. Eligibility criterion: High school GPA.	2009)	
Louisiana	Taylor Opportunity Program for Students (TOPS) - Opportunity, Performance, Honors	1999		Tuition and certain fees scholarship, and additional amount (\$400 per year for performance award and \$800 per year for honors award), to students, enrolled fulltime in postsecondary institutions and certain cosmetology and proprietary schools; for 4 years. Eligibility criterion: High school core curriculum, core curriculum GPA, and ACT score.	No	
Maryland	Maryland HOPE Scholarship	2003	2006	\$3000 scholarship to students, enrolled fulltime in 4 year eligible institutions, and \$1000 scholarship to students, enrolled fulltime in 2 year eligible institutions, having total family income not more than \$95,000; for 4 years. Recipients should perform a service obligation of employment within the state for 1 year for each year that a recipient has a scholarship awarded. Eligibility criterion: High school GPA and service commitment after graduation.	Yes	Distinguished Scholar Program
Massachusetts	John & Abigail Adams Scholarship	2006		Tuition (not including fees) scholarship to students, enrolled fulltime in public college or university, who score highest 25% in Massachusetts Comprehensive Assessment System (MCAS) English Language Arts and Mathematics test in their districts; for a maximum of 8 semesters. Eligibility criterion: Highest 25 percent in district on the 10 th grade Massachusetts Comprehensive Assessment System (MCAS) English Language Arts and Mathematics test, and scored in Advanced category in one test	No	

State	Program	Start Year	End Year	Program Description	Need Component	Other Programs
				and Proficient or Advanced on the other test.		
Michigan	Michigan Merit Scholarship	2001	2007	A \$2500 to \$3000 scholarship, paid in 2 years, to students enrolled in approved postsecondary institutions. Eligibility criterion: Qualifying results in the Michigan Educational Assessment Program (MEAP) test in the subject areas of reading, writing, mathematics, and science.	No	
	Michigan Promise Scholarship	2008	2008	A \$4000 scholarship (subject to proration) to students awarded associate's degree or 2-year certificate of completion in vocational training programs, or completed 50% or more of the academic requirements for bachelor's degree at approved postsecondary institutions. Eligibility criterion: Michigan Educational Assessment Program (MEAP) test in the subject areas of reading, writing, mathematics, and science, postsecondary education requirements (completion of associate degree or 50% of academic requirements for bachelor's degree), and college GPA.	No	
Mississippi	Mississippi Resident Tuition Assistance Program (MTAG)	1997		Up to \$500 scholarship per year during 1 st and 2 nd years, and up to \$1,000 scholarship per year during 3 rd and 4 th years to students, enrolled fulltime at approved postsecondary institutions, who receive less than the full Federal Pell Grant; for up to 8 semesters (12 trimesters). Eligibility criterion: High school GPA and ACT/ SAT score.	No	
	Mississippi Eminent Scholars Fund Program (MESG)	1997		Up to \$2500 scholarship per year (not exceeding tuition and fees) to students, enrolled fulltime at approved postsecondary institutions; for up to 8 semesters (12 trimesters). Eligibility criterion: High	No	

State	Program	Start Year	End Year	Program Description	Need Component	Other Programs
				school GPA and ACT/ SAT score.		
Missouri	Bright Flight Program	1988		Up to \$3000 (\$2000 before 2011) scholarship to top 3% of all Missouri students taking ACT/ SAT, enrolled full time in participating schools; for up to 10 semesters. Eligibility criterion: ACT/ SAT state percentile rank.	No	
Montana	High School MERIT Scholarship	2006		\$1000 scholarship per semester to 1 student from each accredited Montana high school, attending a postsecondary institution; for 8 semesters (4 semesters for 2 year school). Eligibility criterion: High school GPA or ACT/ SAT score (additional title IV selective service requirements for male only).	No	
	Merit AT-LARGE Scholarship	2006		\$1000 scholarship per semester to students enrolled at postsecondary institutions; for 8 semesters (4 semesters for 2 year school). Eligibility criterion: High school GPA or ACT/ SAT score (additional title IV selective service requirements for male only).	No	
Nevada	Nevada Millennium Scholarship	2001		Tuition scholarship of \$40 per credit hour for lower division course and \$60 per credit hour for upper division course, to students enrolled at community colleges; of \$60 per credit hour, to students enrolled at state colleges; of \$80 per credit hour, to students enrolled at other eligible institutions; up to 12 credit hours per semester. Total scholarship amount per student is capped at \$10,000. Eligibility criterion: Pass all areas of the Nevada High School Proficiency Exam, high school GPA (up to 2009); additional requirement of completion of core curriculum (from 2010).	No	

State	Program	Start Year	End Year	Program Description	Need Component	Other Programs
New Jersey	Outstanding Scholar Recruitment Program (OSRP)	1998	2006	\$2500 to \$7500 scholarship, based on SAT score and high school class rank, to students enrolled in public or private four year institutions. Eligibility criterion: High school class rank and SAT score.	No	New Jersey Student Tuition Assistance Reward Scholarship II (NJSTAR S II)
	New Jersey Student Tuition Assistance Reward Scholarship (NJSTARS)	2005		Tuition assistance (after other financial aid received is deducted from tuition cost) up to 18 credit hours per semester to fulltime students enrolled at their home county community college; for 5 semesters. Eligibility criterion: Top 15% of high school class at the end of either junior or senior year.	No	
New Mexico	New Mexico Legislative Lottery Scholarship	1998		Tuition scholarship starting from second semester of enrollment, to students, enrolled fulltime at public postsecondary institutions; for 7 semesters (3 for community college). Eligibility criterion: College GPA.	No	
New York	Scholarships for Academic Excellence	1998		Up to 2000 scholarships of \$1500 and 6000 scholarships of \$500 to fulltime students in undergraduate program at postsecondary institutions. Eligibility criterion: Regents test scores, or class rank, or locally developed assessment test of English and mathematics.	No	
North Dakota	North Dakota Academic Scholarship, North Dakota Career and Technical Education Scholarship	2011		\$750 per semester scholarship to students, enrolled fulltime at accredited public, private, or tribal college or university; for 8 semesters. Eligibility criterion: High school GPA, ACT score, and core curriculum.	No	North Dakota Scholars Program
Oklahoma	Oklahoma's Promise	1997		Tuition (not including fees) scholarship to students, who complete Promise curriculum, satisfy GPA	Yes	

State	Program	Start Year	End Year	Program Description	Need Component	Other Programs
				requirement, whose parent's income is no more than \$50,000 at the time of enrollment in 8 th , 9 th , or 10 th grade, enrolled at public postsecondary institutions (partial tuition scholarship at private institutions). Eligibility criterion: High school GPA and core curriculum.		
South Carolina	LIFE Scholarship	1999		Up to \$4700 scholarship (not to exceed cost of attendance), plus \$300 book allowance per year, to students, enrolled fulltime at 4 year institutions; up to cost of tuition, plus \$300 book allowance per year (total amount not to exceed \$5000) to students, enrolled fulltime at 2 year institutions; for 8 consecutive terms (10 if 5 year program, 4 if 2 year program). Eligibility criterion: High school GPA and SAT/ ACT score (up to 2001); any 2 of high school GPA, SAT/ ACT score, and top 30% of graduating class.	No	Palmetto Fellows Scholarship
	South Carolina HOPE Scholarship	2003		Up to \$2500 scholarship (not to exceed cost of attendance), plus \$300 book allowance for the first academic year, to students, enrolled fulltime at 4 year institutions. Eligibility criterion: High school GPA.	No	
South Dakota	South Dakota Opportunity Scholarship	2005		\$1000 scholarship per year from 1 st to 3 rd year, and \$2000 during 4 th year to students, enrolled at accredited postsecondary institutions. Eligibility criterion: ACT/ SAT score, high school course requirement with no final grade below "C", and high school GPA.	No	
Tennessee	HOPE, GAMS, and ASPIRE	2005		Fixed amount scholarships per semester, based on eligibility criteria and institution type, to students, enrolled at postsecondary institutions; for 120	No; Yes, for supplement	Wilder-Naifeh Technical

State	Program	Start Year	End Year	Program Description	Need Component	Other Programs
				semester hours. Eligibility criterion: ACT/ SAT score, or high school GPA.	al part only	Skills Grant
	Access Award	2005		Non-renewable fixed amount scholarship per semester for freshman year, based on institution type, to students, whose annual adjusted gross family income is \$36,000 or less, enrolled at postsecondary institutions. Eligibility criterion: High GPA and ACT/ SAT score.	Yes	
Utah	New Century Scholarship	2000		Maximum of \$1250 scholarship per semester to students, who earn associate degree by the date of their class's high school graduation, enrolled fulltime at 4 year public college or university within the Utah System of Higher Education; for 4 semesters or 60 credit hours. Eligibility criterion: High school GPA and completion of all coursework for associate degree or math and science curriculum.	No	
	Regents' Scholarship – Base Award, Exemplary Academic Achievement Award, Utah Educational Savings Plan Supplemental Award	2008		Maximum of \$1000 onetime payment, or \$1250 scholarship per semester to students, who complete the Utah Scholars Curriculum and meet GPA and ACT requirements, enrolled at one of the Utah System of Higher Education institutions; for up to 4 semesters. Eligibility criterion: High school GPA, ACT score, and core curriculum with no grade below "C" in required core courses.	No	
Washington	Washington Promise Scholarship	2000	2005	Scholarship up to the value of fulltime annual resident tuition rates charged by Washington's community colleges, to low and middle income students having family income of no more than	Yes	Washington Scholars Program

State	Program	Start Year	End Year	Program Description	Need Component	Other Programs
				135% of the state's median family income, enrolled at least halftime at public or private accredited college or university; for 2 years. Eligibility criterion: ACT/ SAT score, or top 15% of the class.		
West Virginia	West Virginia PROMISE Scholarship	2003		Tuition scholarship up to \$4750 per year to students, enrolled at postsecondary institutions; for 8 semesters (no more than 4 total semesters for 2 year degree program). Eligibility criterion: High school overall GPA, core GPA, core curriculum, and ACT/ SAT test score (minimum ACT/ SAT sub-score from 2005).	No	
Wyoming	Hathaway Scholarship - Provisional Opportunity, Opportunity, Performance, and Honors	2007		\$800 to \$1600 scholarship per semester to students, enrolled at certain post-secondary institutions, for equivalent of 8 fulltime semesters (no more than 4 at community college). Eligibility criterion: High school GPA and SAT/ ACT score (up to 2008); additional core curriculum requirement (from 2009).	No; Yes, for supplemental part only	

Notes: This table includes programs in which eligibility is determined by merit and programs in which eligibility is also determined by need. The analysis throughout the paper focuses only on the merit-based programs.

Appendix Table 2: Comparison of Merit-Aid Program Definitions

	This Paper	Broad Programs	Strong Programs	Weak Programs	Avg. Max Aid (%)	Avg. Students Receiving Aid (%)
Alaska	X			X	69.15	5.39
Arkansas	X	X		X	70.93	25.62
Delaware	X			X	27.03	9.91
Florida	X	X	X		131.19	18.96
Georgia	X	X	X		102.27	32.20
Idaho	X			X	11.40	14.14
Illinois	X			X	6.99	0.62
Kentucky	X	X	X		48.86	32.28
Louisiana	X	X	X		121.59	22.52
Massachusetts	X			X	16.86	4.74
Michigan	X	X		X	10.51	11.16
Mississippi	X	X		X	62.68	23.28
Missouri	X			X	55.79	3.08
Montana	X			X	34.78	1.56
Nevada	X	X	X		64.04	19.65
New Jersey	X			X	114.52	1.46
New Mexico	X	X	X		77.78	15.02
New York	X			X	29.94	1.96
North Dakota	X			X	23.01	8.07
South Carolina	X	X	X		67.50	18.63
South Dakota	X	X	X		20.74	8.20
Tennessee	X	X	X		86.13	25.34
Utah	X			X	70.89	3.09
West Virginia	X	X	X		96.02	12.76
Wyoming	X			X	96.20	25.38

Notes: This table compares the definitions of the generosity of merit-aid programs to other categorizations: broad programs from Dynarski (2004) and Fitzpatrick and Jones (2016) and strong and weak programs from Sjoquist and Winters (2012).

Appendix Table 3: Maximum Merit Aid as Percent of Tuition and Fee in Public 4-year institutions

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	
Alabama																										
Alaska												94	90	87	80	73	68	62	58	55	52	49	46	75	77	
Arizona																										
Arkansas																							79	68	66	
California																										
Colorado																										
Connecticut																										
Delaware																								27	27	
District of Columbia																										
Florida											159	152	151	147	147	149	145	142	141	142	138	136	107	98	74	72
Georgia								113	113	112	112	111	111	110	110	109	106	105	103	101	96	93	88	73	73	
Hawaii																										
Idaho														16	15	14	13	14	12	12	12	8	7	7	7	
Illinois	11	10	10	9	8	8	8	7	7	7	6	6	6	5	4	4	4									
Indiana																										
Iowa																										
Kansas																										
Kentucky												85	79	73	65	56	49	43	40	37	35	33	32	30	29	
Louisiana											132	128	128	127	125	123	122	121	121	120	119	117	115	114	112	
Maine																										
Maryland																										
Massachusetts																		20	20	18	16	16	15	15	14	
Michigan													13	12	11	10	9	10	9	11						
Minnesota																										
Mississippi										97	88	87	85	73	67	67	63	60	56	53	51	50	47	44	41	38
Missouri	130	115	102	89	81	71	66	61	59	56	53	51	48	43	37	34	34	32	30	29	28	28	40	38	37	
Montana																		37	37	37	36	35	33	32	32	

Nebraska																	
Nevada					79	77	71	82	77	73	69	63	59	53	45	42	42
New Hampshire																	
New Jersey	152	143	134	124	112	103	94	87	81								
New Mexico	76	76	76	77	78	78	79	79	78	78	78	77	78	79	79	80	
New York	26	38	37	37	36	31	31	30	30	30	30	27	26	24	23	22	
North Carolina																	
North Dakota															24	23	22
Ohio																	
Oklahoma																	
Oregon																	
Pennsylvania																	
Rhode Island																	
South Carolina		54	43	56	49	68	74	68	63	90	84	80	74	72	70	68	
South Dakota									26	25	23	22	20	20	18	17	16
Tennessee									84	86	90	88	83	78	72	101	95
Texas																	
Utah			114	106	96	87	80	73	66	63	59	56	53	49	47	45	
Vermont																	
Virginia																	
Washington																	
West Virginia						100	100	100	100	100	100	100	100	91	85	80	
Wisconsin																	
Wyoming											107	105	101	96	91	88	85

Notes: These values are the amount of aid for all expenses as a percent of the average in-state tuition and fees of 4-year public universities, averaged over all programs offered by the state in a given year.

Appendix Table 4: Percentage of undergraduate students receiving merit aid

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013			
Alabama																												
Alaska												1.5	2.5	3.7	4.3	5.1	5.4	5.3	5.6	5.3	5.4	5.2	4.9	8.6	12.6			
Arizona																												
Arkansas																							26.2	24.5	26.2			
California																												
Colorado																												
Connecticut																												
Delaware																								8.3	11.5			
District of Columbia																												
Florida										6.8	10.4	14.0	17.1	18.0	18.9	20.0	21.2	22.3	23.3	24.1	23.8	23.0	21.5	20.2	18.8			
Georgia								33.0	34.8	34.8	36.1	35.6	33.4	32.6	33.2	35.1	34.9	33.7	33.4	29.6	28.8	27.8	27.6	27.9	27.3			
Hawaii																												
Idaho														16.4	16.0	14.8	14.6	15.0	15.0	16.1	11.5	14.5	14.5	11.8	9.4			
Illinois	0.7	0.7	0.7	0.7	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.7	0.9	0.9	0.9	0.8	0.9											
Indiana																												
Iowa																												
Kansas																												
Kentucky												14.1	23.1	28.5	34.6	36.3	37.2	36.9	36.8	35.7	35.2	33.9	33.0	32.5	34.1			
Louisiana											14.9	18.0	21.6	23.9	23.3	23.1	24.1	27.8	24.8	23.3	22.1	22.6	22.1	22.5	23.8			
Maine																												
Maryland																												
Massachusetts																		1.6	2.8	3.8	4.3	6.4	6.6	6.6	5.8			
Michigan													10.0	11.7	11.7	11.3	11.2	8.8	16.2	8.4								
Minnesota																												
Mississippi												23.4	24.0	24.5	25.5	26.6	26.7	23.1	24.1	23.8	25.6	24.4	23.9	24.1	19.4	18.7	18.2	19.7
Missouri	1.3	1.9	2.4	2.6	2.8	2.8	3.1	3.4	3.7	3.8	4.0	3.9	3.9	3.8	3.6	3.5	3.5	3.4	3.5	3.5	3.5	3.2	2.8	2.5	2.1	2.1		

Montana																		0.6	0.8	1.6	1.7	2.1	1.8	1.9	1.9	
Nebraska																										
Nevada																										
New Hampshire																										
New Jersey	0.5	0.9	1.3	1.7	1.8	1.7	1.7	1.8	1.8																	
New Mexico	0.2	6.7	16.2	15.1	15.6	15.7	16.1	16.5	16.9	17.4	17.1	17.1	17.1	16.8	17.6	18.3										
New York	0.4	1.0	1.6	2.2	2.5	2.5	2.4	2.4	2.3	2.2	2.2	2.1	2.0	1.9	1.8	1.8										
North Carolina																										
North Dakota																										
Ohio																										
Oklahoma																										
Oregon																										
Pennsylvania																										
Rhode Island																										
South Carolina																										
South Dakota																										
Tennessee																										
Texas																										
Utah																										
Vermont																										
Virginia																										
Washington																										
West Virginia																										
Wisconsin																										
Wyoming																										

Notes: These values are the percent of in-state college students receiving merit aid, averaged over all programs offered by the state in a given year.

Appendix Table 5: Data Sources

State	Program	Data Source
Alaska	University of Alaska Scholars Program	1. UA Scholars Program <i>website</i> http://www.alaska.edu/scholars/ 2. UA in Review – <i>various issues</i>
	Alaska Performance Scholarship	1. Alaska Commission on Postsecondary Education <i>website</i> http://acpe.alaska.gov/FINANCIAL_AID/Grants_Scholarships/Alaska_Performance_Scholarship 2. Alaska Statutes, Title 14, Chapter 43, Article 12 3. Alaska Administrative Code, Title 20, Chapter 16, Article 2 4. Alaska Performance Scholarship Outcomes Report – <i>various issues</i>
Arkansas	Arkansas Academic Challenge Scholarship	1. College for You, Arkansas Department of Education <i>website</i> http://scholarships.adhe.edu/ 2. Arkansas Academic Challenge Scholarship Rules and Regulations – <i>various issues</i> , Arkansas Administrative Rules, Department of Higher Education, Financial Aid Division 3. Arkansas Code Annotated, Title 6, Subtitle 6, Chapter 85 4. State of Arkansas General Assembly Regular Session Bill – Act 352 of 1991 (Senate Bill 299), Act 362 of 1991 (House Bill 1501), Act 188 of 1995 (Senate Bill 96), Act 858 of 1999 (House Bill 1411), Act 1836 of 2001 (Senate Bill 595), Act 1798 of 2003 (House Bill 1854), Act 606 of 2009 (House Bill 1002)
California	Cal Grant A - Entitlement and Competitive	1. California Student Aid Commission <i>website</i> http://www.csac.ca.gov/doc.asp?id=568 2. Cal Grants <i>website</i> http://www.calgrants.org/
	Cal Grant B - Entitlement and Competitive	3. “The Cal Grant Entitlement: Increasing Access to Financial Aid,” Policy Issue Report, Institute for Higher Education Leadership and Policy, California State University, Sacramento, 2002
Delaware	Student Excellence Equals Degree (SEED)	1. Delaware Technical Community College <i>website</i> https://www.dtcc.edu/admissions-financial-aid/financial-aid-scholarships/types-aid/seed 2. Delaware Code, Title 14, Chapter 34, Subchapter XIV
	Inspire Scholarship	1. Delaware State University <i>website</i> http://www.desu.edu/admissions/inspire-scholarship

State	Program	Data Source
		2. Delaware Code, Title 14, Chapter 34, Subchapter XV
Florida	Florida Academic Scholars	1. Office of Student Financial Assistance, Florida Department of Education <i>website</i> http://www.floridastudentfinancialaid.org/SSFAD/bf/bffacts.htm
	Florida Medallion Scholars	2. The 1997 Florida Statutes, Title XVI, Chapter 240, Part IV, Section 40201 – 40242 3. Harkreader, S., Hughes, J., Tozzi, h., and Vanlandingham, G. 2008. "The Impact of Florida's Bright Futures Scholarship Program on High School Performance and College Enrollment," <i>Journal of Student Financial Aid</i> , 38(1), pp. 5-12
Georgia	HOPE Scholarship, Zell Miller Scholarship	1. Georgia Student Finance Commission (GSFC) <i>website</i> http://www.gsfc.org/gsfnew/HopeProgram.cfm?sec=3 2. GAcollge411 website https://secure.gacollge411.org/Financial_Aid_Planning/HOPE_Program/_default.aspx 3. HOPE Scholarship Program at Public Institutions, Regulations – 100, GSFC – <i>various issues</i> 4. HOPE Scholarship Program at Private Institutions, Regulations – 200, GSFC – <i>various issues</i> 5. Zell Miller Scholarship Program at Public and Private Institutions, Regulations – 4000, GSFC – <i>various issues</i> 6. HOPE Scholarship Joint Study Commission Report, Carl Vinson Institute of Government 7. HOPE Scholarship and HOPE Grant Standard Undergraduate Award Amounts for Fiscal Year, GSFC – <i>various issues</i>
Idaho	Idaho Promise Scholarship Category B	1. Legislature of the State of Idaho – Senate Bill No. 1237 (First Regular Session – 1999), Senate Bill No. 1034 (First Regular Session – 2001) 2. Idaho Administrative Code, IPADA 08, Title 01, Chapter 05 3. Idaho State Board of Education <i>Meeting Minutes</i>
Illinois	Merit Recognition Scholarship	1. Illinois Administrative Code, Title 23, Subtitle A, Chapter XIX, Part 2761
Kentucky	Kentucky Educational Excellence Scholarship	1. Kentucky Higher Education Assistance Authority (KHEAA) <i>website</i> https://www.kheaa.com/website/kheaa/kees?main=1 https://www.kheaa.com/website/kheaa/kees?main=1&part=kypr.065 2. "A Study of Kentucky Educational Excellence Scholarship," Kentucky Legislature – Legislative Research Commission, Office of Education Accountability, Research Report No. 386

State	Program	Data Source
		<p>3. KEES Data Report – <i>various issues</i></p> <p>4. KHEEA and KHESLC Annual Report – <i>various issues</i></p>
Louisiana	Taylor Opportunity Program for Students (TOPS) - Opportunity, Performance, Honors	<p>1. Louisiana Office of Student Financial Assistance website http://www.osfa.la.gov/</p> <p>2. TOPS Report, Louisiana Board of Regents – <i>various issues</i></p>
Maryland	Maryland HOPE Scholarship	<p>1. Office of the Student Financial Assistance Annual Report – <i>various issues</i></p> <p>2. General Assembly of Maryland – Senate Bill 231 (1997 Regular Session), Senate Bill 131 (1999 Regulars Session)</p>
Massachusetts	John & Abigail Adams Scholarship	<p>1. Office of Student Financial Assistance, Massachusetts Department of Higher Education website http://www.mass.edu/osfa/programs/adams.asp</p> <p>2. Goodman, J., 2008. “Who merits financial aid?: Massachusetts' Adams Scholarship,” <i>Journal of Public Economics</i>, 92, pp. 2121-2131</p>
Michigan	Michigan Merit Scholarship	<p>1. Michigan Merit Award Annual Report – <i>various issues</i></p> <p>2. “State Financial Aid Funding for State Postsecondary Education,” House Fiscal Agency, Michigan House of Representatives, 2008</p> <p>3. Michigan Merit Award Scholarship Act (Act 94 of 1999)</p> <p>4. “Merit Award Program,” Senate Fiscal Policy Issue Paper, A Series of Papers Examining Critical Issues Facing the Michigan Legislature, 2002</p> <p>5. Harrison, B., 2012. "The Effects of Merit Awards on District-Level High School Graduation: Evidence From Michigan, " Master's Thesis, University of Tennessee</p>
	Michigan Promise Scholarship	<p>1. Michigan Promise Grant Act (Act 479 of 2006)</p>
Mississippi	Mississippi Resident Tuition Assistance Program (MTAG)	<p>1. RiseUpMS website http://riseupms.com/state-aid/mtag/</p>
	Mississippi Eminent Scholars	<p>1. RiseUpMS website http://riseupms.com/state-aid/mesg/</p>

State	Program	Data Source
	Fund Program (MESG)	2. Mississippi Legislature Regular Session – House Bill 537 (1997), House Bill 661 (1998), Senate Bill 2629 (2002)
Missouri	Bright Flight Program	1. Missouri Department of Higher Education <i>website</i> http://dhe.mo.gov/ppc/grants/brightflight.php 2. Missouri Statutes, Chapter 173, Section 250 3. Rules of Department of Higher Education, Division 10, Chapter 2, Title 6 CSR 10-2.080
Montana	High School MERIT Scholarship	1. Montana University System <i>website</i> http://mus.edu/Prepare/Pay/Scholarships/Governors_Best_and_Brightest_Scholarship.asp#merit
	Merit AT-LARGE Scholarship	2. Governor’s Best and Brightest Scholarship Annual Report – <i>various issues</i> 3. Montana Legislature, House Bill No. 435, 2005 Legislative Session
Nevada	Nevada Millennium Scholarship	1. Nevada State Treasurer <i>website</i> http://www.nevadatreasurer.gov/GGMS/GGMS_Home/ 2. Statutes of Nevada – Senate Bill No. 496 – Committee on Finance, Chapter 536 (1999), Senate Bill No. 113 – Committee on Human Resources and Facilities, Chapter 297 (2001), Senate Bill No. 503 – Committee on Finance, Chapter 471 (2003), Senate Bill No. 4 – Committee of the Whole, Chapter 10 (2005), Senate Bill No. 5 – Committee of the Whole, Chapter 5 (2007), Assembly Bill No. 96 – Committee on Education, Chapter 38 (2009) 3. Nevada Revised Statutes, Chapter 396, Section 911 - 945 4. Millennium Scholarship Baseline Study, Office of the Nevada State Treasurer, March 2003 5. Annual Report, Office of the Nevada State Treasurer – <i>various issues</i>
New Jersey	Outstanding Scholar Recruitment Program (OSRP)	1. “Outstanding Scholar Recruitment Program: An Evaluation,” A Report by the Institute of Higher Education Policy, 2004 2. State of New Jersey 214 th Legislature, Senate, No. 1524
	New Jersey Student Tuition Assistance Reward Scholarship (NJSTARS)	1. Higher Education Student Assistance Authority <i>website</i> http://www.hesaa.org/Pages/NJGrantsHome.aspx 2. New Jersey Statutes, Title 18A, Chapter 59 3. “New Jersey Student Tuition Assistance Reward Scholarship,” A Report by the Higher Education Student Assistance Authority, 2006
New Mexico	New Mexico	1. New Mexico Higher Education Department (HED) <i>website</i>

State	Program	Data Source
	Legislative Lottery Scholarship	<p>http://www.hed.state.nm.us/students/lotteryscholarship.aspx</p> <p>2. New Mexico Administrative Code, Title 5, Chapter 7, Part 20</p> <p>3. State of New Mexico Legislative Education Study Committee <i>memorandums</i> http://www.nmlegis.gov/lcs/lesc/lescdocs/LESC%20A-Z%20Catalog.pdf</p> <p>4. HED Annual Report – <i>various issues</i></p>
New York	Scholarships for Academic Excellence	<p>1. Higher Education Services Corporation <i>website</i> http://www.hesc.ny.gov/pay-for-college/financial-aid/types-of-financial-aid/nys-grants-scholarships-awards/nys-scholarships-for-academic-excellence.html</p> <p>2. Official Compilation of Codes, Rules and Regulations of the State of New York, Title 8, Chapter II, Subchapter 1, Part 145, Subpart 145-9</p> <p>3. Laws of New York, Education, Title 1, Article 13, Section 605-A</p>
North Dakota	North Dakota Academic Scholarship, North Dakota Career and Technical Education Scholarship	<p>1. North Dakota University System <i>website</i> http://www.ndus.nodak.edu/students/paying-for-college/grants-scholarships/</p> <p>2. North Dakota Century Code, Title 15, Chapter 15.1-21</p>
Oklahoma	Oklahoma’s Promise	<p>1. Oklahoma State Regents for Higher Education <i>website</i> http://www.okhighered.org/okpromise/</p> <p>2. Oklahoma Statutes, Title 70, Chapter 45, Section 2601 - 2605</p> <p>3. Oklahoma’s Promise Year-End Report – <i>various issues</i></p>
South Carolina	LIFE Scholarship South Carolina HOPE Scholarship	<p>1. South Carolina Commission on Higher Education (CHE) <i>website</i> http://www.che.sc.gov/Students,FamiliesMilitary/PayingForCollege/WhatFinancialHelpIsAvailable/ScholarshipsGrantsforSCResidents.aspx</p> <p>2. South Carolina Code of Laws, Title 59, Chapter 149</p> <p>3. CHE Meeting <i>memorandums</i> http://www.che.sc.gov/MeetingsEvents/CommissionandCommitteeMeetingsMaterials/FullCommissionMeetingsArchive.aspx</p> <p>4. CHE <i>memorandums</i> http://www.che.sc.gov/DataPublications/SearchtheCHEDocumentCatalog.aspx</p> <p>5. “Summary Report on South Carolina Scholarships and Grants, 1988 – 2005,” A Report of</p>

State	Program	Data Source
		the South Carolina Commission on Higher Education
South Dakota	South Dakota Opportunity Scholarship	1. South Dakota Opportunity Scholarship website http://sdos.sdbor.edu/ 2. South Dakota Opportunity Scholarship Annual Report – <i>various issues</i>
Tennessee	HOPE, GAMS, and ASPIRE	1. Tennessee Student Assistance Corporation <i>website</i> http://www.tn.gov/collegepays/mon_college/lottery_scholars.htm
	Access Award	2. Rules of Tennessee Student Assistance Corporation, Chapter 1640-1-19 3. Tennessee Education Lottery Scholarship Program Annual Report – <i>various issues</i> 4. Ness, E., and Noland, B. 2007. “Targeted Merit Aid: Implications of the Tennessee Education Lottery Scholarship Program,” <i>Journal of Student Financial Aid</i> , 37(1), pp. 7-17
Utah	New Century Scholarship	1. Utah System of Higher Education <i>website</i> http://higheredutah.org/newcenturyscholarship/ 2. Utah Administrative Code, Rule R765-604 3. Kearl, C., 2012, "A Study of Utah’s New Century Scholarship (NCS) Program," All Graduate Theses and Dissertations, Paper 1436, Utah State University
	Regents’ Scholarship – Base Award, Exemplary Academic Achievement Award, Utah Educational Savings Plan Supplemental Award	1. Utah System of Higher Education <i>website</i> http://higheredutah.org/regentsscholarship/ 2. Utah Administrative Code, Rule R765-609
Washington	Washington Promise Scholarship	1. Revised Code of Washington, Chapter 28B.119 2. Governor Gary Locke <i>website</i> http://www.digitalarchives.wa.gov/GovernorLocke/educate/promise.htm 3. “Washington Promise Scholarship Program Evaluation,” Washington Higher Education Coordinating Board, 2002 4. “1999 Washington Promise Scholarship – An Overview from the Higher Education Coordinating Board,” Washington Higher Education Coordinating Board, 1999

State	Program	Data Source
West Virginia	West Virginia PROMISE Scholarship	<ol style="list-style-type: none"> 1. College Foundation of West Virginia <i>website</i> https://secure.cfwv.com/Financial_Aid_Planning/Scholarships/Scholarships_and_Grants/West_Virginia_PROMISE.aspx 2. West Virginia Legislative Rule, Title 133, Series 7 3. West Virginia Comprehensive Financial Aid Report – <i>various issues</i> 4. West Virginia Higher Education Report Card – <i>various issues</i> 5. Final Report of the PROMISE Scholarship Ad-Hoc Advisory Committee, West Virginia Higher Education Policy Commission
Wyoming	Hathaway Scholarship - Provisional Opportunity, Opportunity, Performance, and Honors	<ol style="list-style-type: none"> 1. Wyoming Department of Education <i>website</i> http://edu.wyoming.gov/beyond-the-classroom/college-career/scholarships/hathaway/ 2. Wyoming Statutes, Title 21, Chapter 16, Article 13 3. Wyoming Department of Education Rules, Chapter 38

Appendix Table 6: Merit Aid Recipient Data Sources

State	Program	Source
Alaska	University of Alaska Scholars Program	1) UA in Review
	Alaska Performance Scholarship	1) Alaska Performance Scholarship Outcomes Report
Arkansas	Arkansas Academic Challenge Scholarship	1) Arkansas Department of Higher Education Financial Aid Report 2) Report on Financial Aid Programs administered by the Arkansas Department of Higher Education 3) Higher Education in Arkansas, Report Prepared for Governor Huckabee and the Arkansas Legislature
California	Cal Grant A	1) Cal Grant Statistics,
	Cal Grant B	2) Cal Grant Program Recipients, 3) Preliminary Grant Statistics Report, 4) Facts at Your Fingertips – Grant and Loan Programs, California Student Aid Commission
Delaware	Student Excellent Equals Degree (SEED)	
	Inspire Scholarship	
Florida	Florida Medallion Scholars	1) Florida Bright Futures Scholarship Statistical Reports
	Florida Academic Scholars	
Georgia	HOPE Scholarship	1) Georgia Student Finance Commission Annual Report 2) Senate Budget and Evaluation Office, Section 40: Regents, University System of Georgia 3) Sjoquist & Walker (2010): “Informing Lottery Budget Decisions: HOPE and Pre-K”, FRC Report No. 215
Idaho	Idaho Promise Scholarship Category B	1) Meeting Archives, Business Affairs and Human Resources – Finance, Idaho State Board of Education, April Regular Meeting
Illinois	Merit Recognition Scholarship	1) Illinois Student Assistance Commission Data Book 2) Illinois Detailed Annual Report of Revenues and Expenditures
Kentucky	Kentucky Educational Excellence Scholarship	1) Kentucky Educational Excellence Scholarship Data Report 2) Kentucky Higher Education Assistance Authority Annual Report

State	Program	Source
Louisiana	Taylor Opportunity Program for Students (TOPS)	1) TOPS Report: Analysis of the TOPS Program
Maryland	Hope Scholarship	1) Office of Student Financial Assistance Annual Report, Maryland Higher Education Commission
Massachusetts	John & Abigail Adams Scholarship	1) Massachusetts Department of Elementary and Secondary Education <i>news release</i>
Michigan	Michigan Merit Scholarship	1) Michigan Merit Award Annual Report
	Michigan Promise Scholarship	2) Student Financial Services Bureau Annual Report 3) Fiscal Focus: State Financial Aid Funding for Postsecondary Education, House Fiscal Agency, State of Michigan House of Representatives
Mississippi	Mississippi Resident Tuition Assistance Program (MTAG)	1) Annual Report of the State Supported Student Financial Aid Programs, 2) Executive Summary of the Student Financial Aid Programs,
	Mississippi Eminent Scholars Fund Program (MESG)	3) Mississippi IHL System Profile, Board of Trustees of State Institutions of Higher Learning, Mississippi Office of Student Financial Aid
Missouri	Bright Flight Program	1) Missouri Department of Higher Education Statistical Summary
Montana	High School MERIT Scholarship	1) Governor's Best and Brightest Scholarship Program Annual Report of the Advisory Council
	Merit AT-LARGE Scholarship	
Nevada	Nevada Millennium Scholarship	1) Office of the Nevada State Treasurer Annual Report 2) Financial Aid Report, Nevada System of Higher Education 3) Governor Guinn Millennium Scholarship Data Sheet, Nevada System of Higher Education, Office of Academic and Student Affairs
New Jersey	Outstanding Scholar Recruitment Program (OSRP)	1) Higher Education Student Assistance Authority Annual Report 2) Frequently Requested Statistical Tables, Office of Research and Accountability, State of New Jersey Office of the Secretary of Higher Education
	New Jersey Student Tuition Assistance Reward Scholarship (NJSTARS)	3) Accountability in Higher Education: Annual System-wide Report, New Jersey Commission of Higher Education
New Mexico	New Mexico Legislative Lottery Scholarship	1) New Mexico Higher Education Department Annual Report 2) Staff Report: Legislative Lottery Scholarship, State of New Mexico Legislative Education Study Committee 3) Legislative Lottery Scholarship Report

State	Program	Source
New York	Scholarships for Academic Excellence	1) Annual Report, New York State Higher Education Services Corporation
North Dakota	North Dakota Academic Scholarship, North Dakota Career and Technical Education Scholarship	1) ND Academic and Career and Technical Education Scholarships 2012 Highlights, North Dakota Legislative Branch 2) ND Academic Scholarship, and ND Career and Technical Education Scholarship Progress Overview, North Dakota University System
Oklahoma	Oklahoma's Promise	1) Oklahoma's Promise Year End Report
South Carolina	LIFE Scholarship	1) South Carolina Commission on Higher Education Memorandum (CHE Meeting) 2) South Carolina Commission on Higher Education Annual Scholarship Year-End Summary Reports of Award by Institution
	South Carolina HOPE Scholarship	
South Dakota	South Dakota Opportunity Scholarship	1) South Dakota Opportunity Scholarship Annual Report 2) State of South Dakota Governor's Budget
Tennessee	HOPE, GAMS, and ASPIRE	1) Tennessee Education Lottery Scholarship Program Annual Report
	Access Award	
Utah	New Century Scholarship	1) New Century and Regents' Scholarship Annual Report 2) Utah System of Higher Education Data Book
	Regents' Scholarship	
Washington	Washington Promise Scholarship	1) Financial Aid Update, 2) Washington Promise Scholarship Program Evaluation, Washington Higher Education Coordinating Board
West Virginia	West Virginia PROMISE Scholarship	1) Financial Aid Comprehensive Report, 2) West Virginia Higher Education Report Card, West Virginia Higher Education Policy Commission
Wyoming	Hathaway Scholarship	1) Hathaway Scholarship Statistics 2) Wyoming State Treasurer Annual Report