


# The Economic Impact of University System of Georgia Institutions on their Regional Economies in FY 2020

May 2021

Commissioned by  
The Board of Regents of the University System of Georgia

Dr. Jeffrey M. Humphreys, Director  Seelig Center for Economic Growth



## Executive Summary

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# Introduction

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# Economic Impact Highlights

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QAnalytic Approach Q

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Results

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QTotal Initial Spending Q

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QTotal Output Impact Q

7 K R I X W L S P X S V Z E W D O F X I G B D I F H G W H R I R Q L W S L H D O G E D Q V H O V K I P S D R A W W A H U V R X R Q I G  
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V S H Q B W Q K I Q V W L D V Q G W L X R Z H Q L O V E L O O L S I Q U F Z H Q W K I G X F H G U H P V S S H I D Q L Q J  
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H F R Q R P I S H U F R W V A R Z B M H V S H V Q K O D S N O H D V F I H R X W K R X I W R O W K O L W S L H D O G D Q J  
F R P S O G M D H O R G K I H U L R K E Y H U P X J H W Y S O I R B U Q V W L V O X W L Z Q V R E W D E L Q H G  
G L Y L V K R R A V D S P X S D F W E L O G E L R Q L W S L H D O G L Q E L O Q L Q R Q H U M K H U H Y R H U I O O D U  
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It is no surprise that estimates for the various institutions show differing outcomes, given the differences in bud  
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QTotal Value-Added Impact Q

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Figure 1  
Schematic Representation of Impact Relationship

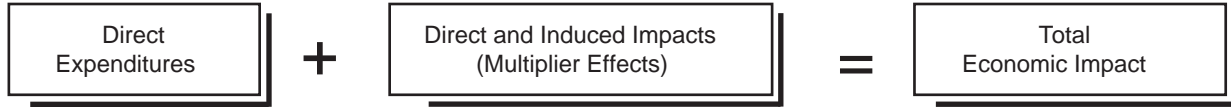


Figure 2  
How Multipliers Capture the Impact of Re-spending

Initial Direct or Indirect Impact	\$100	
First Round of Re-spending	\$50 re-spent locally	\$50 leakage*
Second Round of Re-spending	\$25 re-spent locally	\$25 leakage
Third Round of Re-spending	\$12.50 re-spent locally	\$12.50 leakage
Fourth Round of Re-spending	\$6.25 re-spent locally	\$6.25 leakage
Fifth Round of Re-spending	\$3.12 re-spent locally	\$3.12 leakage
Sixth Round of Re-spending	\$1.56 re-spent locally	\$1.56 leakage
Seventh Round of Re-spending	\$.78 re-spent locally	\$.78 leakage
Total Economic Impact	\$200	Total Leakage \$100

\*Leakage indicates amounts spent outside area and not re-circulated locally.

Table 1

Total Economic Impact of All Institutions of the University System of Georgia  
on their Regional Economies in Fiscal Year 2020

Total for All Institutions in 2020	Initial Spending	Output Impact	Value Added Impact	Labor Income Impact	Employment Impact
	<u>F X U U H Q W</u>	<u>G R O M B B V</u>	<u>G R O M B B V</u>	<u>G R O M B B V</u>	<u>G R O M B B V</u>
System total	12,606,286,003	18,584,935,804	12,714,706,137	8,798,237,646	155,010
Personnel services	4,958,307,615	8,602,960,598	7,083,973,273	6,097,625,159	78,494
Operating expenses	3,199,985,957	3,875,909,590	1,886,300,660	998,595,756	24,108
Student spending	4,447,992,431	6,106,065,616	3,744,432,204	1,702,016,731	52,408

Notes:

The impacts of spending on Output, Value Added, Labor Income, and Employment were estimated using IMPLAN and production functions provided by IMPLAN.

Initial spending for personnel services and operating expenses were obtained from the Board of Regents of the University System of Georgia. The author estimated initial spending by students.

Output refers to the value of total production, including domestic and foreign trade. Value added includes employee compensation, proprietary income, other property income, and indirect business taxes. Labor income includes both the total payroll costs (including both full-time and part-time jobs).

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Table 2

Total Economic Impact of University System of Georgia  
Institutions on their Regional Economies in Fiscal Year 2020

<u>Institution</u>	<u>Initial Spending</u>	<u>Output Impact</u>	<u>Value Added Impact</u>	<u>Labor Income Impact</u>	<u>Employment Impact</u>
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Comprehensive Universities

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Table 2 (continued)

Total Economic Impact of University System of Georgia  
Institutions on their Regional Economies in Fiscal Year 2020

Institution	Initial	Output	Value Added	Labor Income	Employment
	Spending	Impact	Impact	Impact	Impact
	F X U U H Q W	G R X U O U D H L Q W	G R X U O U D H L Q W	G R X U O U D H L Q W	G R M D R O E D W V
State Universities					
Albany State University	181,921,238	214,895,053	138,571,227	91,640,240	2,328
Personnel Services	53,650,610	83,314,613	70,193,064	61,915,815	1,026
Operating Expenses	45,330,155	29,661,076	11,496,028	6,302,384	231
Student Spending	82,940,473	101,919,364	56,882,135	23,422,041	1,071
Clayton State University	180,477,996	292,455,756	196,827,323	125,028,780	2,545
Personnel Services	54,676,834	102,539,483	83,285,393	70,370,671	1,158
Operating Expenses	36,157,284	56,199,057	28,975,065	15,150,282	325
Student Spending	89,643,878	133,717,216	84,566,865	39,507,827	1,062
Columbus State University	224,878,552	272,665,158	182,254,397	123,143,659	2,823
Personnel Services	73,959,914	115,456,804	96,856,237	85,777,249	1,337
Operating Expenses	48,687,935	34,597,101	13,890,413	6,741,535	250
Student Spending	102,230,703	122,611,253	71,507,747	30,624,875	1,236
Fort Valley State University	122,107,975	140,985,030	95,003,549	67,256,686	1,487
Personnel Services	41,535,835	65,629,341	55,174,346	48,547,210	814
Operating Expenses	43,539,859	30,489,551	13,185,120	7,320,773	228
Student Spending	37,032,281	44,866,138	26,644,083	11,388,703	445
Georgia College & State University	225,637,666	282,507,363	194,644,104	133,005,020	2,931
Personnel Services	80,449,058	129,044,875	107,822,993	94,636,255	1,499
Operating Expenses	42,528,929	30,587,856	13,383,479	7,284,430	223
Student Spending	102,659,679	122,874,632	73,437,632	31,084,335	1,209
Georgia Southwestern State University	87,472,349	89,737,776	56,389,225	37,280,167	1,091
Personnel Services	26,396,110	36,236,656	31,763,525	28,758,405	480
Operating Expenses	21,931,812	10,495,537	3,402,932	1,824,540	90
Student Spending	39,144,427	43,005,583	21,222,768	6,697,222	521
Middle Georgia State University	202,341,130	247,992,739	163,045,744	105,866,726	2,579
Personnel Services	58,300,596	92,049,118	77,009,705	67,782,165	1,083
Operating Expenses	40,739,336	28,492,875	11,899,294	6,503,654	215
Student Spending	103,301,198	127,450,746	74,136,745	31,580,907	1,281
Savannah State University	132,502,085	162,883,237	103,819,933	69,865,319	1,562
Personnel Services	37,778,483	60,871,244	47,892,056	43,264,395	720
Operating Expenses	43,719,714	38,372,015	16,805,187	9,155,648	272
Student Spending	51,003,888	63,639,978	39,122,690	17,445,276	570
University of North Georgia	494,577,241	692,023,560	458,491,784	298,881,943	6,411
Personnel Services	150,698,143	255,902,754	210,315,144	182,156,079	2,848
Operating Expenses	89,933,696	99,385,020	43,536,212	24,134,552	682
Student Spending	253,945,402	336,735,786	204,640,428	92,591,312	2,881

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Table 2 (continued)

Total Economic Impact of University System of Georgia  
Institutions on their Regional Economies in Fiscal Year 2020

	Initial	Output	Value Added	Labor Income	Employment
State Colleges					

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Table 2 (continued)

Total Economic Impact of University System of Georgia  
Institutions on their Regional Economies in Fiscal Year 2020

Institution	Initial	Output	Value Added	Labor Income	Employment
	Spending	Impact	Impact	Impact	Impact
	F X U U H Q W	G R X O U D H Q W	G R X O U D H Q W	G R X O U D H Q W	G R M D R O E D U V
South Georgia State College	61,533,124	65,120,087	41,185,046	27,118,560	720
Personnel Services	15,203,515	22,150,792	18,960,484	17,011,317	286
Operating Expenses	15,821,322	7,013,734	2,760,953	1,591,997	52
Student Spending	30,508,287	35,955,561	19,463,609	8,515,246	382

Notes:

The impacts of spending on Output, Value Added, Labor Income, and Employment were estimated using IMPLAN and production functions provided by IMPLAN.

Initial spending for personnel services and operating expenses were obtained from the Board of Regents of the University System of Georgia. The author estimated initial spending by students.

Output refers to the value of total production, including domestic and foreign trade. Value added includes employee compensation, proprietary LQFRPH RWKHU SURSHUW\ LQFRPH DQG LQGLUHFV EXVLQHVV WD[HV /DERU LQFRPH LQFOXGH who are paid by employers and payments received by self-employed individuals. Employment includes both full-time and part-time jobs.

Expenditures and impacts for Augusta University do not include impacts associated with the AU Health System, Inc., which are reported in Appendix 3.

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Table 3

On-Campus and Off-Campus Jobs that Exist  
Due to Institution-Related Spending in Fiscal Year 2020

<u>Institution</u>	<u>Total Employment Impact</u>	<u>On-Campus Jobs</u>	<u>Off-Campus Jobs That Exist Due to Institution-Related Spending</u>
System Total	155,010	52,904	102,106
Research Universities	86,590	30,795	55,795
Augusta University	11,858	5,689	6,169
Georgia Institute of Technology	28,516	9,667	18,849
Georgia State University	20,604	5,260	15,344
University of Georgia	25,613	10,179	15,434

86,590

Notes: On-campus and off-campus jobs reported for Augusta University exclude employment impacts for the AU Health System, Inc., which are reported in Appendix 3.

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Table 4

Output Impact of All USG Institutions  
in FY 2020 Compared to FY 2019, With Percent Change

Impact Category	Fiscal Year 2020 (2019 dollars/jobs)	Fiscal Year 2019	
		G R O O D U V	M R E Percent Change
Initial Spending	12,606,286,003	12,591,482,010	0.1
Output Impact	18,584,935,804	18,471,540,386	0.6
Value Added Impact	12,714,706,137	12,584,029,470	1.0
Labor Income Impact	8,798,237,646	8,590,406,952	2.4
Employment Impact	155,010	157,770	-1.7

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Table 5

Output Impact For All USG Institutions  
in FY 2020 Compared to FY 2019, With Percent Change

Institution	Output Impact in FY 2020 (2019 dollars)	Output Impact in FY 2019 (2019 dollars)	Percent Change
System Total	18,584,935,804	18,471,540,386	0.6
Research Universities	11,212,559,998	10,943,690,806	2.5
Augusta University	1,452,453,819	1,375,595,910	5.6
Georgia Institute of Technology	4,008,439,560	3,852,743,729	4.0
Georgia State University	2,786,822,976	2,803,161,755	-0.6
University of Georgia	2,964,843,643	2,912,189,412	1.8
Comprehensive Universities	3,606,538,423	3,619,884,058	-0.4
Georgia Southern University	961,126,047	984,130,600	-2.3
Kennesaw State University	1,650,279,707	1,619,942,802	1.9
University of West Georgia	626,323,337	632,323,791	-0.9
Valdosta State University	368,809,331	383,486,865	-3.8
State Universities	2,396,145,672	2,461,234,531	-2.6
Albany State University	214,895,053	222,070,453	-3.2
Clayton State University	292,455,756	302,478,169	-3.3
Columbus State University	272,665,158	290,480,614	-6.1
Fort Valley State University	140,985,030	143,749,305	-1.9
Georgia College & State University	282,507,363	290,331,157	-2.7
Georgia Southwestern State University	89,737,776	90,984,938	-1.4
Middle Georgia State University	247,992,739	249,508,413	-0.6
Savannah State University	162,883,237	172,199,505	-5.4
University of North Georgia	692,023,560	699,431,977	-1.1
State Colleges	1,369,691,711	1,446,730,991	-5.3
Abraham Baldwin Agricultural College	115,093,083	128,754,568	-10.6
Atlanta Metropolitan State College	74,647,381	90,544,053	-17.6
College of Coastal Georgia	99,716,374	104,946,126	-5.0
Dalton State College	132,070,425	137,758,116	-4.1
East Georgia State College	70,056,633	77,977,155	-10.2
Georgia Gwinnett College	508,419,001	519,538,555	-2.1
Georgia Highlands College	174,859,790	181,400,770	-3.6
Gordon State College	129,708,936	137,669,238	-5.8
South Georgia State College	65,120,087	68,142,410	-4.4

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Appendix 1

Study Areas for Institutions

Research Universities

\$XJXVWD 8QLYHUVLW\ 2 5LFKPRQG &ROXPEHDVRCXUNHQNDFOVHCHGLQFROQ -HI  
Georgia Institute of Technology – Atlanta MSA  
Georgia State University – Atlanta MSA  
8QLYHUVLW\ RI \*HRUJLD 2 &ODUNH 2FRQHH 0DGZVLRQHWDWRQRDQZQOEKRW SH %DU

Comprehensive Universities

\*HRUJLD 6RXWKHUQ 8QLYHUVLW\ 2 %XOORFK 6FUHYHQ &DQGOHU (PDQXHO (YDQV  
.HQQHVDZ 6WDWH 8QLYHUVLW\ 2 \$WODQWD 06\$  
8QLYHUVLW\ RI :HVW \*HRUJLD 2 \$WODQWD 06\$  
9DOGRVWD 6WDWH 8QLYHUVLW\ 2 /RZQGHV %URRNV /DQLHU %HUULHQ &RRN DQG

State Universities

\$OEDQ\ 6WDWH 8QLYHUVLW\ 2 'RXJKHUW\ /HH :RUWK 0LWFKHOO 7HUUHOO 6XPWHU  
Clayton State University – Atlanta MSA  
&ROXPEXV 6WDWH 8QLYHUVLW\ 2 0XVFRJHH7D-DEUWL V7 URODSW DQGRWFKZBUWBURIC@d 6@

Appendix 2

Economic Impact of Capital Outlays  
in Fiscal Year 2020

Institution	Initial Spending	Output Impact	Value Added Impact	Labor Income Impact	Employment Impact
	F XU UHQW	G R O O FDUUHQW	G R O O FDUUHQW	G R O O FDUUHQW	G R O O FDUUHQW
System Total	224,955,000	368,722,349	215,670,645	137,494,982	2,529
Research Universities	63,800,000	115,036,305	68,778,423	44,664,600	725
Augusta University	4,900,000	6,926,528	4,241,526	2,180,026	38
Georgia Institute of Technology	4,300,000	9,178,712	5,433,183	3,976,862	53
Georgia State University	48,000,000	87,737,270	53,573,540	34,842,824	569
University of Georgia	6,600,000	11,193,795	5,530,174	3,664,888	65
Comprehensive Universities					

Notes: The impacts of spending on Output, Value Added, Labor Income, and Employment were estimated using IMPLAN and production functions provided by IMPLAN. Initial spending for capital projects were obtained from the Board of Regents of the University System of Georgia. Output refers to the value of total production, including domestic and foreign trade. Value added includes employee compensation, proprietary income, other property and payments received by self-employed individuals. Employment includes both full- and part-time jobs. Estimates for Augusta University exclude impacts associated with the AU Health System, Inc., which are reported in Appendix 3.

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Appendix 3

Combined Economic Impact of Augusta University and AU Health System, Inc. in Fiscal Year 2020

<u>Institution</u>	Initial Spending <u>F X U U H Q W</u>	Output Impact <u>G R 0 0 D H Q W</u>	Value Added Impact <u>G R 0 0 D H Q W</u>	Labor Income Impact <u>G R F X Q U D H Q W</u>	Employment Impact <u>G R 0 0 B V V</u>
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Note:

Appendix 4

Combined Economic Impact of Augusta University and AU Health System, Inc.  
on the Augusta MSA in Fiscal Year 2020

<u>Institution</u>	<u>Initial Spending</u>	<u>Output Impact</u>	<u>Value Added Impact</u>	<u>Labor Income Impact</u>	<u>Employment Impact</u>
	<u>F X U U H Q W</u>	<u>G R F O X D U U H Q W</u>	<u>G F O X D U H Q W</u>	<u>G R F O D W H Q W</u>	<u>G R O V R D E U V</u>

Grand Total Economic Impact of Augusta University and AU Health System, Inc.

Note: Output refers to the value of total production, including domestic and foreign trade. Value added includes employee compensation, proprietary income, other property type income, and indirect business taxes. Labor income includes both the total payroll costs of workers who are paid by employers and payment received by self-employed individuals. Employment

LQFOXGHV ERWK IXOO WLPD DQG SDUW WLPD MREV ,QLWLDO VSHQGLQJ HWW  
 6\WHP ,QF D FRPSRQHQQW XQLW RI WKH 6WDWH RI \*HRUJLD )LQDQFLDO 6V  
 \$FFRXQWDQWV -XQH DQG 2WKHU RSHUDWLQJ H[SHQGLWXUHV GR  
 amortization. The impacts of spending on Output, Value Added, Labor Income, and Employment were estimated using the

Appendix 5

\$XJXVWD 8QLYHUVLW\·V \$OEDQ\ 6DYDQQDK DQG 5RPH &OLQLFDO &  
Economic Impact of FY 2020 Expenditures

Augusta University has established clinical campuses in Albany, Savannah, and Rome, which generate economic impacts for their host communities. Appendix 5 documents the economic impact that the Albany, Savannah, and Rome clinical campuses had on their host communities in FY 2020.

\$OEDQ,\Q )< WRWDO H[SHQGLWXUHV DW WKH \$OEDQ\ FOLQLFDO FDPSXV ZHUH

Appendix 6

\$XJXVWD 8QLYHUVLW\ DQG 8\*\$ 0HGLFDO 3DUWQHUVKLS·V \$WKHQV  
Economic Impact of FY 2020 Expenditures

In partnership, Augusta University and the University of Georgia opened a new campus in Athens in FY 2011, which generates  
VLJQLÁFDQW HFRQRPLF LPSDFWV IRU \$WKHQV· UHJLRQDO HFRQRP\ \$SSHQGL[ G  
had on its host community in FY 2020.

,QLWLDO H[SHQGLWXUHV DW WKH \$WKHQV FDP SXV LQFOXGLQJ 6W 0DU\·V ZHUH  
RSHUDWLQJ H[SHQVH DQG LQ VWXGHQW VSHQGLQJ DQG LC  
Fiscal Affairs/Budget Director, Board of Regents, University System of Georgia provided expense data for personnel and operations  
DV ZHO DV HQUROPHQW GDWD

The economic impact accruing to Athens includes:

Q LQ LQLWLDO H[SHQGLWXUHV DQW MRERQ FDP SXV DQG 6W 0DU\·



Appendix 7

&RPELQHG (FRQRPLF ,PSDFW RI 8\*\$·V \*ULIÀQ &DPSXV %XGJHW 8QLW μ\$μ

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Appendix 9

Total Economic Impact of the Shared Services Center in Sandersville  
On the Regional Economy in Fiscal Year 2020

	Initial Spending	Output Impact	Value Added Impact	Labor Income Impact	Employment Impact
SSC Sandersville	5,929,509	7,458,227	6,194,078	5,485,765	87
Total	5,929,509	7,458,227	6,194,078	5,485,765	87
Personnel Services	4,890,602	6,946,996	6,013,820	5,391,542	83
Operating Expenses	1,035,907	511,231	180,258	94,223	4

Notes: The impacts of spending on Output, Value Added, Labor Income, and Employment were estimated using IMPLAN and production functions provided by IMPLAN. Initial spending for personal services and operating expenses were obtained from the Board of Regents of the University System of Georgia. Output refers to the value of total production, including domestic and foreign trade. Value added includes employee compensation, proprietary income, other property income, and indirect business taxes. Labor by self-employed individuals. Employment includes both full-time and part-time jobs. The total employment impact of 87 jobs consists of 86 full-time jobs and 1 part-time job. For each FTE job created at the Shared Services Center, there are 0.3 off-site jobs that exist because of Center-related spending.

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