



AGENDA
(REGULAR AND CONSENT)

HOSPITAL AUTHORITY BOARD OF TRUSTEES
AND
UNIVERSITY BOARD OF TRUSTEES

May 19, 2023

REGULAR AGENDA

May 19, 2023

101 Colcock Hall

Members of the Board of Trustees

Dr. James Lemon, Chairman
Mr. Charles Schulze, Vice-Chairman
Ms. Terri R. Barnes
The Honorable James A. Battle, Jr.
Mr. William H. Bingham, Sr.
Dr. W. Melvin Brown III
Dr. Henry F. Butehorn III
Dr. C. Guy Castles III

Dr. Richard M. Christian, Jr.
Dr. Paul T. Davis
Dr. Donald R. Johnson II
Ms. Barbara Johnson-Williams
Dr. G. Murrell Smith, Sr.
Mr. Michael E. Stavrinakis
Thomas L. Stephenson, Esq.
Dr. Bartlett J. Witherspoon, Jr.

Trustees Emeriti

Mr. Allan E. Stalvey Dr. Charles B. Thomas, Jr. Dr. James E. Wiseman, Jr.

- | | | |
|---------|--|---|
| Item 1. | Call to Order | Dr. James Lemon
<i>Chairman</i> |
| Item 2. | Roll Call..... | Katherine Haltiwanger
<i>Board Secretary</i> |
| Item 3. | Date of Next Regular Meeting – August 11, 2023 | Katherine Haltiwanger
<i>Board Secretary</i> |
| Item 4. | Approval of Meeting Minutes | Dr. James Lemon
<i>Chairman</i> |

Recommendations and Informational Report of the President: Dr. David Cole

- Item 5. Other Business.....Dr. David Cole
President

Authority Operations, Quality, & Finance Committee: Dr. Murrell Smith, Chair

- | | | |
|---------|---|--|
| Item 6. | MUSC Health Status Report | Dr. Patrick Cawley
<i>Chief Executive Officer, MUSC Health</i> |
| Item 7. | MUHA Consolidated Financial Report..... | Dr. Patrick Cawley
<i>Chief Executive Officer, MUSC Health</i> |
| Item 8. | Quality and Patient Safety Report..... | Dr. Danielle Scheurer
<i>Chief Quality Officer, MUSC Health</i> |

- Item 9. Governmental Affairs Report Mark Sweatman
Chief, Governmental Affairs
- Item 9.1 Other Committee Business Dr. Murrell Smith
Chair

MUHA and MUSC Physical Facilities Committee: Bill Bingham, Chair

- Item 10. MUHA Lease for Approval..... Jessica Paul
Chief Real Estate Officer, MUSC Health
- Item 11. MUHA Ground Purchase for Approval Jessica Paul
Chief Real Estate Officer, MUSC Health
- Item 12. MUHA Easement for Approval..... David Attard
Enterprise Chief Facilities Officer
- Item 13. MUHA Professional Services Selections for Approval Tom Crawford
Chief Operations Officer, MUSC Health
- Item 14. Other Committee Business Bill Bingham
Committee Chair

MUHA and MUSC Audit Committee: Tom Stephenson, Chair

- Item 15. Fees for Agreed Upon Procedure by KPMG Tom Stephenson
Chair

Other Business for the Board of Trustees

- Item 16. Item removed.
- Item 17. Approval of Consent Agenda Dr. James Lemon
Chairman
- Item 18. Executive Session Dr. James Lemon
Chairman

Upon proper motion and vote, the Board may convene a closed session pursuant to SC Code Ann. §30-4-70. Although the Board will not vote on any items discussed in closed session, the Board may return to public session to vote on items discussed.

- Item 19. New Business for the Board of Trustees Dr. James Lemon
Chairman
- Item 20. Report from the Chairman..... Dr. James Lemon
Chairman

MUSC Health - Board Package
MUHA - Medical University Hospital Authority
Interim Financial Statements
March 31, 2023

Medical University Hospital Authority (MUHA)

Statement of Revenues, Expenses and Changes in Net Assets

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Note:

1) MUHA has recognized CARES stimulus funding related to COVID expenditures as non-operating revenue per GASB guidance.

2) In FY2018, the internal financial statement format was changed to a FASB basis report to appropriately match the income stream of state appropriations and expenses incurred in addition to a presentation format that matches HUD and the credit market expectations.

Medical University Hospital Authority - Consolidated

Statement of Revenues, Expenses, and Change in Net Position

For the 9 Month Period Ending - March 31, 2023

Modified FASB Basis (in thousands)

	Current Month				Fiscal Year To Date				
	Actual	Fixed Budget	Variance	Var %	Actual	Fixed Budget	Variance	Var %	YTD Prior Year
Operating Revenues									
Net Patient Service Revenue	\$244,598	\$248,005	(\$3,407)	-1.37%	\$2,072,335	\$2,118,329	(\$45,994)	-2.17%	\$1,860,443
DSH	5,900	5,975	(74)	-1.24%	50,449	51,771	(1,322)	-2.55%	55,044
Retail Pharmacy Revenue	47,471	33,780	13,691	40.53%	403,537	298,584	104,953	35.15%	289,109
Other Revenue	13,672	8,174	5,498	67.26%	69,814	73,411	(3,597)	-4.90%	81,417
State Appropriations	2,297	2,381	(83)	-3.50%	46,542	21,426	25,117	117.23%	22,809
Total Operating Revenues	\$313,939	\$298,315	\$15,624	5.24%	\$2,642,677	\$2,563,521	\$79,156	3.09%	\$2,308,823
Operating Expenses									
Salaries Wages	\$109,625	\$92,353	\$17,272	18.70%	\$844,107	\$802,584	\$41,523	5.17%	\$671,133
Benefits	36,599	31,783	4,816	15.15%	268,428	271,436	(3,008)	-1.11%	215,053
Purchased Services	44,854	41,343	3,511	8.49%	380,292	366,805	13,487	3.68%	315,604
Physician Services	12,895	12,349	547	4.43%	121,573	130,618	(9,045)	-6.92%	124,346
Pharmaceuticals	23,909	17,479	6,430	36.79%	175,046	153,396	21,650	14.11%	161,962
Retail Pharmaceuticals	25,562	16,738	8,824	52.72%	192,841	147,917	44,925	30.37%	140,758
Medical Supplies	48,910	42,106	6,804	16.16%	365,252	355,700	9,552	2.69%	332,325
Other Supplies	7,278	3,977	3,301	83.00%	44,007	38,409	5,598	14.58%	43,046
Utilities	2,583	2,732	(149)	-5.45%	27,262	24,828	2,434	9.81%	22,526
Insurance	1,155	1,265	(109)	-8.65%	11,361	11,872	(512)	-4.31%	9,353
Leases	5,076	3,662	1,414	38.60%	42,080	32,288	9,792	30.33%	35,519
Other	4,027	4,162	(135)	-3.24%	37,389	38,226	(837)	-2.19%	29,546
Physician Clinic Expense	-	-	-	0.00%	-	-	-	0.00%	19,424
Total Operating Expenses	\$322,474	\$269,948	\$52,525	19.46%	\$2,509,640	\$2,374,080	\$135,560	5.71%	\$2,120,594
EBIDA	(\$8,535)	\$28,366	(\$36,901)	-130.09%	\$133,037	\$189,441	(\$56,404)	-29.77%	\$188,228
Depreciation	\$10,304	\$10,307	(\$3)	-0.03%	\$87,902	\$91,848	(\$3,946)	-2.87%	\$84,491
Interest	3,171	3,271	(100)	-3.06%	29,906	29,919	(13)	-1.17%	30,812
Operating Income (Loss)	(\$22,010)	\$14,789	(\$36,798)	-248.83%	\$15,229	\$67,675	(\$52,446)	-77.50%	\$72,925
Operating Margin	-7.01%	4.96%			0.58%	2.64%			3.16%
NonOperating Revenue (Expenses)									
Gifts and Grants	\$789	\$2,992	(\$2,203)	-73.63%	\$18,645	\$16,318	\$2,327	14.26%	\$5,184
Noncash Pension and Other Post Employment Benefits	(16,621)	(14,209)	(2,412)	16.98%	(129,606)	(127,059)	(2,547)	2.00%	(103,210)
Investment Income	5,718	(92)	5,810	-6318.69%	6,488	(828)	7,316	-884.03%	(7,504)
Loss on Disposal of Capital Assets	-	0	(0)	-100.00%	(11)	1	(12)	-959.77%	(88)
Covid Funding	-	-	-	0.00%	-	-	-	0.00%	93,465
Other NonOperating Revenues (Expenses)	(1)	(117)	117	-99.57%	(17)	(1,065)	1,048	-98.36%	(1,469)
Debt Issuance Costs	-	-	-	0.00%	(20)	-	(20)	0.00%	(1,355)
Total NonOperating Revenues (Expenses)	(\$10,114)	(\$11,426)	\$1,312	-11.48%	(\$104,521)	(\$112,633)	\$8,112	-7.20%	(\$14,978)
Income (Loss) before NonOperating Payments to MUSC Affiliates	(\$32,124)	\$3,363	(\$35,486)	-1055.32%	(\$89,292)	(\$44,958)	(\$44,334)	98.61%	\$57,947
Non Operating Payments to MUSC Affiliates	-	-	-	0.00%	-	-	-	0.00%	-
Change in Net Position	(\$32,124)	\$3,363	(\$35,486)	-1055.32%	(\$89,292)	(\$44,958)	(\$44,334)	98.61%	\$57,947
Total Margin	-10.23%	1.13%			-3.38%	-1.75%			2.51%
Operating Cash Flow Margin	-1.66%	9.35%			4.85%	6.79%			10.64%

Unaudited - For Management Use

Medical University Hospital Authority – Consolidated

Notes to the Interim Financial Statements

Statement of Revenues, Expenses and Changes in Net Assets: YTD March 31, 2023 (Unaudited)

Actuals Compared to Fixed Budget

Revenue Explanation: March year-to-date net patient service revenues were unfavorable to budget by 2.2%, or \$46.0M. Inpatient and outpatient surgeries were unfavorable to budget by 8.3% and 0.4%, respectively. Transplant procedures were unfavorable to budget by 8.8%. Case Mix Index was unfavorable \$9.8M and Payor Mix shift was favorable \$10.2M.

Retail pharmacy revenues were favorable by \$105.0M due to continued growth and expansion into other markets.

Other Revenues were \$3.6M unfavorable to budget due to decrease in 340b activity.

Expense Explanation: Salaries and wages were unfavorable to budget by \$41.5M. Benefits were favorable to budget \$3.0M.

Purchased Services were unfavorable to budget \$13.5M due to dietary, maintenance and contractual services. Physician

Services were favorable to budget \$9.0M due to timing of expenses associated with College of Medicine.

Pharmaceuticals, not explained by volume, were unfavorable to budget by \$21.6M. Retail pharmacy revenues, net of expenses, were favorable to budget by \$60.0M.

Medical and Other Supplies, not explained by volume, were \$15.1M unfavorable to budget.

Utilities were unfavorable to budget by \$2.4M due to increase in electric rates and fuel costs.

Insurance was favorable to budget by \$0.5M.

Leases and Other were unfavorable to budget by \$9.0M due to increase in equipment and robot rentals.

Statements of Net Position

Medical University Hospital Authority - Consolidated

Statements of Net Position (in thousands)

March 31, 2023 and June 30, 2022

Assets and Deferred Outflows	As of 03/31/2023 (unaudited)	As of 06/30/2022 (audited)
Current Assets:		
Cash and Cash Equivalents	\$ 279,595	\$ 387,599
Cash Restricted for Capital Projects and Major Programs	77,575	74,373
Cash Restricted for COVID-19 Stimulus Funding	797	8,913
Investments Unrestricted	305,347	264,492
Investments Restricted for Capital Projects and Major Programs	-	34,110
Patient Accounts Receivable, Net of Allowance for Uncollectible Accounts of approximately \$382,400,000 and \$350,600,000	456,108	395,820
Due from Related Parties	4,568	5,791
Due from Third-Party Payors	2,422	11,390
Other Current Assets	244,244	230,448
Total Current Assets	\$ 1,370,656	\$ 1,412,936
Investments Held by Trustees Mortgage Reserve Fund	\$ 75,551	\$ 70,449
Investments in Joint Ventures and Partnerships	33,880	33,880
Other Non-Current Assets	54,420	3,410
Capital Assets, Net	1,215,257	1,178,595
Total Assets	\$ 2,749,764	\$ 2,699,270
Deferred Outflows	\$ 860,963	\$ 857,807
Total Assets and Deferred Outflows	\$ 3,610,727	\$ 3,557,077
Liabilities, Deferred Inflows and Net Position		
Current Liabilities:		
Current Installments of Long-Term Debt	\$ 69,470	\$ 35,681
Current Installments of Capital Lease Obligations	35,056	27,959
Current Installments of Notes Payable	8,199	15,515
Short-Term Debt	30,000	80,000
Advance Medicare Funding	-	76,980
Due to Joint Ventures and Partnerships	1,295	1,258
Accounts Payable	216,803	203,582
Accrued Payroll, Withholdings and Benefits	195,992	144,079
Other Accrued Expenses	23,476	9,750
Unearned Revenue	17,849	-
Total Current Liabilities	\$ 598,140	\$ 594,804
Long-Term Debt	\$ 684,104	\$ 744,363
Capital Lease Obligations	207,629	171,531
Notes Payable	15,318	62,576
Net Pension Liability	1,240,163	1,027,580
Net OPEB Liability	1,401,484	1,327,787
Total Liabilities	\$ 4,146,838	\$ 3,928,641
Deferred Inflows	\$ 151,814	\$ 225,160
Total Liabilities and Deferred Inflows	\$ 4,298,652	\$ 4,153,801
Net Position:		
Net Investment in Capital Assets	\$ 135,127	\$ 134,099
Restricted:		
Under Indenture Agreements	75,551	70,449
Expendable for:		
Capital Projects	24,812	25,760
Major Programs	40,498	32,723
COVID-19 Stimulus Funding	797	8,913
Unrestricted (deficit)	(964,710)	(868,668)
Total Net Position	\$ (687,925)	\$ (596,724)
Total Liabilities, Deferred Inflows and Net Position	\$ 3,610,727	\$ 3,557,077

Unaudited - For Management Use

MEDICAL UNIVERSITY HOSPITAL AUTHORITY – Consolidated

Balance Sheet: As of 03/31/2023 (Unaudited) and 06/30/2022 (Audited) - (in thousands)

Cash, Cash Equivalents and Investments

Unrestricted cash and cash equivalents decreased by \$108.0M from June 30, 2022. Significant FY2023 events decreasing cash include \$61.2M in capital expenditures, \$74.4M in debt payments, \$15.4M in interest payments and \$14.5M in investment purchases.

	3/31/2023 Balance	6/30/2022 Balance
The Authority's cash balance is as follows:		
Insured (FDIC & SIPC)	\$ 2,240	\$ 2,240
Uninsured, uncollateralized by securities held by the pledging institution or by its trust dept or agent in other than MUHA's name	374,025	482,392
Total	<u>\$ 376,265</u>	<u>\$ 484,632</u>
Carrying Amount (cash and cash equivalents)	\$ 279,595	\$ 387,599
Restricted (cash and cash equivalents)	78,372	83,286
Total	<u>\$ 357,966</u>	<u>\$ 470,885</u>

The Authority has unrestricted available cash of \$584.9M as detailed below

Cash and cash equivalents	\$ 279,595	\$ 387,599
Investments - unrestricted	305,347	264,492
Total	<u>\$ 584,942</u>	<u>\$ 652,091</u>

	3/31/2023 Balance	6/30/2022 Balance
Fixed Income Securities:		
Fannie Mae	\$ 34,708	\$ 34,148
Federal Home Loan Bank	161,112	128,233
Federal Farm Credit Bank	54,480	29,258
Dreyfus Treasury Securities	273	39,042
Federal Home Loan Mortgage Corporation	48,154	71,289
Intl Bk Recon & Development	9,716	9,644
Federal National Mortgage Association	52,658	43,523
FED Farm CRD Discount NT	18,528	2,051
	<u>\$ 379,628</u>	<u>\$ 357,188</u>

	3/31/2023 Balance	6/30/2022 Balance
Investment Income comprises the following:		
Dividend and interest income	\$ 8,107	\$ 3,335
Realized and unrealized loss on investments	(1,604)	(13,488)
	<u>\$ 6,503</u>	<u>\$ (10,153)</u>

MEDICAL UNIVERSITY HOSPITAL AUTHORITY – Consolidated

Balance Sheet: As of 03/31/2023 (Unaudited) and 06/30/2022 (Audited) - (in thousands)

Net Accounts Receivable

Compared to March year-to-date fiscal year 2022, net patient service revenue increased by \$212.4M, or 11.4%. Gross patient charges increased by \$1,123.9M, or 12.6%, for the comparison period due to increases in patient activity and comprehensive rate. Net revenue related to the Disproportionate Share Hospital (DSH) program administered by the State Department of Health and Human Services decreased for the comparison period to \$50.4M from \$55.0M.

Payor class percentages changed between Blue Cross and Managed Care; all other payor class remained relatively stable as shown in the table below.

	3/31/2023 Balance	6/30/2022 Balance
Blue Cross	23%	27%
Medicare	32%	35%
Medicaid	19%	19%
Private insurance/managed care	23%	13%
Medically Indigent/self-pay/other	3%	6%
	100%	100%

Other Current Assets

The composition of other current assets is as follows:

	3/31/2023 Balance	6/30/2022 Balance
Inventory	\$ 95,403	\$ 86,728
Other Prepayments	86,384	66,554
Non-Patient Accounts Receivable	46,825	69,503
Lease Receivable	7,642	7,642
Health Insurance Prepayments	3,761	-
Workers' Compensation Prepayments	4,117	-
Dental Prepayments	90	-
Accrued Interest	22	22
Lease Prepaid Rent	-	(1)
	\$ 244,244	\$ 230,448

Other Non-Current Assets

The composition of other non-current assets is as follows:

	3/31/2023 Balance	6/30/2022 Balance
Pension Investment (acquired 03/01)	\$ 47,741	-
Maintenance Contracts	5,428	2,136
Dept of Veterans Affairs Prepaid Rent	1,251	1,274
	\$ 54,420	\$ 3,410

MEDICAL UNIVERSITY HOSPITAL AUTHORITY – Consolidated

Balance Sheet: As of 03/31/2023 (Unaudited) and 06/30/2022 (Audited) - (in thousands)

Medicare and Medicaid owes MUHA \$3.9M, a decrease of \$7.5M due to prior year Medicare cost adjustments.

	3/31/2023 Balance	6/30/2022 Balance
Medicare/Medicaid Accounts Receivable	<u>\$ 2,422</u>	<u>\$ 11,390</u>

The total net payable to MSV, MHI, Mainsail, Edgewater and MHP is reflected as a component of due from joint ventures and partnerships, net on the Statement of Net Position.

	3/31/2023 Balance	6/30/2022 Balance
MUSC Health Partners (MHP)	\$ -	\$ 840
Edgewater Surgery Center	1,005	1,156
MUSC Health Initiatives (MHI)	207	207
Mainsail Health Partners	1,301	701
MUSC Strategic Ventures (MSV)	(3,808)	(4,162)
	<u>\$ (1,295)</u>	<u>\$ (1,258)</u>

Deferred Outflows

	3/31/2023 Balance	6/30/2022 Balance
Pension	\$ 320,478	\$ 315,750
Other Post-Employment Benefits	528,928	528,928
Refunding bond amortization	11,557	13,129
	<u>\$ 860,963</u>	<u>\$ 857,807</u>

Accounts Payable

Accounts Payable increased by \$13.2M from June 30, 2022.

	3/31/2023 Balance	6/30/2022 Balance
Accounts Payable	<u>\$ 216,803</u>	<u>\$ 203,583</u>

Other Accrued Expenses

The composition of other accrued expenses is as follows:

	3/31/2023 Balance	6/30/2022 Balance
Accrued Interest	\$ 3,182	\$ 2,795
Amounts due to contractors	2,229	2,306
Advance from third party	8,000	-
Other	10,066	4,648
	<u>\$ 23,477</u>	<u>\$ 9,750</u>

MEDICAL UNIVERSITY HOSPITAL AUTHORITY – Consolidated

Balance Sheet: As of 03/31/2023 (Unaudited) and 06/30/2022 (Audited) - (in thousands)

Unearned Revenue

Unearned revenue increased \$17.8M from June 30, 2022 due to prior year settlement, state appropriations, DSH Revenue deferral, and Childrens Hospital Innovation.

	3/31/2023 Balance	6/30/2022 Balance
Cost Settlement	\$ 10,794	\$ -
Disproportionate Share Hospital (DSH)	-	-
MUSC Solutions	2,000	-
Childrens Hospital Innovation	5,000	-
Other	55	-
	<u>\$ 17,849</u>	<u>\$ -</u>

Long Term Debt

As of March 31, 2023, Current Installments of Long-Term Debt relates to HUD debt for Ashley River Tower (ART), Shawn Jenkins Children's Hospital (SJCH) and the Central Energy Plant (CEP). Current Installments of Notes Payable relate to the Sabin Street Energy Plant. A table of outstanding balances by major issuance is listed below:

Project (mo/yr issued)	3/31/2023 Balance	6/30/2022 Balance
SJCH (06/2019)	\$ 285,752	\$ 292,351
Capital Leases (various - see below)	242,685	246,154
ART (12/2012)	207,706	220,589
CHS Acquisition (03/2019)	115,505	118,285
Lifepoint Acquisition (07/2021)	77,933	79,510
Nexton and Consolidated Service Center (10/2018)	33,881	34,398
CEP (12/2013)	26,826	28,799
Imaging Equipment (01/2019)	15,041	17,887
Edgewater (03/2019)	5,974	6,117
Patient Monitors (07/2016)	4,155	6,617
1 Poston Road (10/2021)	4,320	5,749
Sabin Street (04/2013)	-	1,169
	<u>\$ 1,019,776</u>	<u>\$ 1,057,625</u>

MEDICAL UNIVERSITY HOSPITAL AUTHORITY – Consolidated

Balance Sheet: As of 03/31/2023 (Unaudited) and 06/30/2022 (Audited) - (in thousands)

As of March 31, 2023, capital leases relate to various pieces of equipment and properties. A table of outstanding balances by equipment description is listed below:

Project (month/year issued)	3/31/2023 Balance	6/30/2022 Balance
Charleston Property Lease	\$ 100,784	\$ 100,785
Summey Medical Pavilion (04/2019)	40,545	39,372
Charleston Equipment Lease	28,480	28,480
Equipment Financing Lease - Charleston (12/2021)	16,238	18,247
Equipment Financing Lease - Midlands (12/2021)	14,614	16,422
Equipment Financing Lease - Regional Health (12/2021)	11,225	12,000
RHN & Midlands Property Lease	11,671	11,128
Medical Malls (02/2019)	9,225	9,424
RHN & Midlands Equipment Lease	8,985	8,985
Cardiovascular Equipment (03/2020)	716	960
Ultrasound (03/2019)	122	234
Computer software (09/2019)	78	118
	<u>\$ 242,685</u>	<u>\$ 246,154</u>

Annual debt service costs for FY2022 totaled \$156M. A table of debt service by major issuance is listed below, as well as by equipment description as it relates to capital leases:

Project (month/year issued)	Monthly Debt Service
Capital Leases (various - see below)	\$ 35,056
Nexton and CSC (10/2018)	33,881
ART (12/2012)	17,625
SJCH (06/2019)	9,081
CHS Acquisition (03/2019)	3,804
Patient Monitors (07/2016)	3,343
Imaging Equipment (01/2019)	2,898
CEP (12/2013)	2,720
Lifepoint Acquisition (07/2021)	2,163
1 Poston Road (10/2021)	1,958
Sabin Street (04/2013)	-
Edgewater (03/2019)	197
	<u>\$ 112,725</u>

MEDICAL UNIVERSITY HOSPITAL AUTHORITY – Consolidated

Balance Sheet: As of 03/31/2023 (Unaudited) and 06/30/2022 (Audited) - (in thousands)

Project (month/year issued)	Monthly Debt Service
Charleston Property Lease (various)	\$ 11,169
Charleston Equipment Lease (various)	8,735
RHN & Midlands Property Lease (various)	3,774
RHN & Midlands Equipment Lease (various)	2,326
Equipment Financing Lease - Charleston (12/2021)	2,739
Equipment Financing Lease - Midlands (12/2021)	2,465
Equipment Financing Lease - Regional Health (12/2021)	1,894
Summey Medical Pavilion (04/2019)	1,231
Cardiovascular Equipment (03/2020)	219
Medical Malls (02/2019)	329
Ultrasound (03/2019)	122
Computer Software (09/2019)	55
	<u>\$ 35,056</u>

Pension and Other Post Employment Benefit (OPEB) Liabilities

As of March 31, 2023, the net pension liability increased by \$212.6M from June 30, 2022.

As of March 31, 2023, the net other post-employment benefit liability increased \$73.7M from June 30, 2022.

Deferred Inflows

Deferred inflows decreased \$73.3M from June 30, 2022. The following breakdown is below:

	3/31/2023 Balance	6/30/2022 Balance
Pension	\$ 77,793	\$ 151,138
Other Post-Employment Benefits	66,508	66,508
Property Leases	7,513	7,513
	<u>\$ 151,814</u>	<u>\$ 225,160</u>

Statements of Cash Flows

MEDICAL UNIVERSITY HOSPITAL AUTHORITY - Consolidated

Statements of Cash Flows - (in thousands)

March 31, 2023 and June 30, 2022

	As of 03/31/2023 (unaudited)	As of 6/30/2022 (audited)
Cash flows from operating activities:		
Receipts received from patients and third-party payors	\$ 2,347,924	\$ 2,813,096
Other cash receipts	76,893	101,186
Payments to suppliers and employees	(2,419,815)	(2,869,139)
State appropriations	19,601	30,967
Net cash provided (used) by operating activities	<u>\$ 24,604</u>	<u>\$ 76,109</u>
Cash flows from noncapital financing activities:		
Proceeds from CARES Funding	\$ 45,720	\$ 87,938
Proceeds from noncapital grants and gifts	3,380	2,631
Proceeds from revenue anticipation notes	-	80,000
Payments of revenue anticipation notes	(50,000)	-
Nonoperating expenditures	(17)	(4,467)
Net cash provided (used) by noncapital financing activities	<u>\$ (917)</u>	<u>\$ 166,102</u>
Cash flows from capital and related financing activities:		
Capital expenditures	\$ (83,120)	\$ (93,775)
Capital grants and gifts received	14,862	4,561
Proceeds from disposal of capital assets	14	2
Payments of principal on long-term debt	(34,375)	(123,786)
Proceeds from financing debt	-	143,146
Payments of bond issuance cost	(20)	(1,680)
Payments of mortgage insurance premium	557	(975)
Payments on lease obligations	(5,488)	(37,015)
Proceeds on equipment replacement obligations	831	901
Interest payments	(24,553)	(38,900)
Net cash provided (used) by capital and related financing activities	<u>\$ (131,291)</u>	<u>\$ (147,521)</u>
Cash flows from investing activities:		
Proceeds from sale and maturity of investments	\$ 113,000	\$ 242,922
Investment income received	8,129	3,286
Distributions from joint ventures and partnerships	-	1,498
Purchases of investments	(138,842)	(309,880)
Contributions to joint ventures and partnerships	-	(26,733)
Net cash provided (used) by investing activities	<u>\$ (17,713)</u>	<u>\$ (88,907)</u>
Net increase (decrease) in cash and cash equivalents	<u>(125,317)</u>	<u>5,782</u>
Cash and cash equivalents at beginning of year	484,799	479,017
Cash and cash equivalents at end of year	<u><u>\$ 359,482</u></u>	<u><u>\$ 484,799</u></u>

Unaudited - For Management Use

FACILITIES
HOSPITAL AUTHORITY - CHARLESTON
NEW LEASE FOR APPROVAL
MAY 19, 2023

DESCRIPTION OF LEASE: This lease agreement is for 8,638 square feet of clinical space located at 5500 Front Street, 1st Floor, Summerville in the Nexton MOB. The purpose of this lease is to provide space for MUSC Health Oncology. The rent per square foot is \$26.00 with an estimated CAM amount of \$9.41 for a total cost per square foot of \$35.41. The total monthly rental payment will be \$25,489.30, resulting in an annual lease amount of \$305,871.58. Rent shall increase 3% annually and CAM shall increase annually based on actual costs not to exceed 5% on controllable items. Landlord will provide \$561,470.00 in tenant improvement allowance.

NEW LEASE AGREEMENT X
RENEWAL LEASE AGREEMENT

LANDLORD: HP Summerville Palmetto, LLC

LANDLORD CONTACT: Mark Buelow

TENANT NAME AND CONTACT: MUSC Health Oncology, Alice Edwards

SOURCE OF FUNDS: General Operating Funds

LEASE TERMS:

TERM: Five (5) years: [10/1/2023 – 9/30/2028]

TOTAL AMOUNT PER SQUARE FOOT: \$35.41

TOTAL ANNUALIZED LEASE AMOUNT:

Year 1 \$305,871.58

Year 2 \$316,673.40

Year 3 \$327,880.56

Year 4 \$339,509.28

Year 5 \$351,576.47

TOTAL AMOUNT OF TERM: \$1,641,511.28

EXTENDED TERM(S): Two (2) terms, three (3) years

OPERATING COSTS:

FULL SERVICE

MODIFIED X

FACILITIES
HOSPITAL AUTHORITY - FLORENCE
GROUND PURCHASE
FOR APPROVAL

May 19, 2023

PROJECT TITLE: MUHA CEDAR STREET GROUND – FLORENCE

TMS NUMBER: 90088-04-003

PURCHASE PRICE: \$150,000.00

SELLER: Heirs of Mintaha R. Cattros

JUSTIFICATON: The Medical University Hospital Authority requests permission to purchase 0.17 acres adjacent to the MUSC Health Florence Hospital in order to accommodate the future needs of the hospital. This property is located directly and attached to the medical center with ownership ensuring MUHA property control for future expansion.

Cedar Street, Land Parcel #: 90088-04-003

The property purchase will follow the required process of the South Carolina Department of Administration.

FACILITIES
HOSPITAL AUTHORITY - LANCASTER
UTILITY EASEMENT
FOR APPROVAL

May 19, 2023

PROJECT TITLE: CHARLOTTE HWY DUKE EASEMENT – LANCASTER

PARCEL NUMBER: 0008-00-087.01

REQUESTOR: Duke Energy Carolinas, LLC

JUSTIFICATON: Duke Energy requests non-exclusive easement to construct, reconstruct, operate, patrol, maintain, repair, replace, relocate, add to modify, and remove electric and communication lines necessary for the transmission and distribution of electrical energy.

Charlotte Highway Parcel #: 0008-00-087.01

Prepared by: Duke Energy Carolinas, LLC
Return to: Duke Energy Carolinas, LLC
Attn: c/o Southeastern Land Company
PO Box 1241
Conway, SC 29528

Parcel # 0008-00-087.01

EASEMENT

State of South Carolina

County of Lancaster

THIS EASEMENT ("Easement") is made this ____ day of _____, 20____, from **MEDICAL UNIVERSITY HOSPITAL AUTHORITY**, a South Carolina State Agency ("Grantor", whether one or more), to **DUKE ENERGY CAROLINAS, LLC**, a North Carolina limited liability company ("Grantee").

Grantor, for and in consideration of the sum of One and 00/100 Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, does hereby grant unto Grantee a perpetual and non-exclusive easement, to construct, reconstruct, operate, patrol, maintain, repair, replace, relocate, add to, modify, and remove electric and communication lines including, but not limited to, all necessary supporting structures, and all other appurtenant apparatus and equipment for the transmission and distribution of electrical energy, and for technological purposes related to the operation of the electric facilities and for the communication purposes of Incumbent Local Exchange Carriers (collectively, "Facilities").

Grantor is the owner of that certain property described in that instrument recorded in Deed Book 1392, Page 188, Lancaster County Register of Deeds ("Property").

The Facilities may be both overhead and underground and located in, upon, over, along, under, through, and across a portion of the Property within an easement area described as follows:

A strip of land thirty feet (30') in uniform width for the overhead portion of said Facilities and a strip of land twenty feet (20') in uniform width for the underground portion of said Facilities, lying equidistant on both sides of a centerline, which centerline shall be established by the center of the Facilities as installed, along with an area ten feet (10') wide on all sides of the foundation of any Grantee enclosure/transformer, vault and/or manhole, (hereinafter referred to as the "Easement Area").

The rights granted herein include, but are not limited to, the following:

1. Grantee shall have the right of ingress and egress over the Easement Area, Property, and any adjoining lands now owned or hereinafter acquired by Grantor (using lanes, driveways, and adjoining public roads where practical as determined by Grantee).

For Grantee's Internal Use:
Work Order #: 43905297

2. Grantee shall have the right to trim, cut down, and remove from the Easement Area, at any time or times and using safe and generally accepted arboricultural practices, trees, limbs, undergrowth, other vegetation, and obstructions.
3. Grantee shall have the right to trim, cut down, and remove from the Property, at any time or times and using safe and generally accepted arboricultural practices, dead, diseased, weak, dying, or leaning trees or limbs, which, in the opinion of Grantee, might fall upon the Easement Area or interfere with the safe and reliable operation of the Facilities.
4. Grantee shall have the right to install necessary guy wires and anchors extending beyond the boundaries of the Easement Area.
5. Grantee shall have the right to relocate the Facilities and Easement Area on the Property to conform to any future highway or street relocation, widening, or alterations.
6. Grantor shall not place, or permit the placement of, any structures, improvements, facilities, or obstructions, within or adjacent to the Easement Area, which may interfere with the exercise of the rights granted herein to Grantee. Grantee shall have the right to remove any such structure, improvement, facility, or obstruction at the expense of Grantor.
7. Excluding the removal of vegetation, structures, improvements, facilities, and obstructions as provided herein, Grantee shall promptly repair or cause to be repaired any physical damage to the surface area of the Easement Area and Property resulting from the exercise of the rights granted herein to Grantee. Such repair shall be to a condition which is reasonably close to the condition prior to the damage, and shall only be to the extent such damage was caused by Grantee or its contractors or employees.
8. The rights granted in this Easement include the right to install Facilities wherever needed on the Property to serve future development on the Property and neighboring lands. Portions of the Facilities may be installed immediately and other portions may be installed in the future as the need develops. Facilities installed in the future shall be installed at locations mutually agreeable to the parties hereto if they are to be located outside of the Easement Area. Upon any future installations of Facilities at mutually agreed locations, the Easement Area shall be deemed to include such future locations at the widths defined in this Easement.
9. All other rights and privileges reasonably necessary, in Grantee's sole discretion, for the safe, reliable, and efficient installation, operation, and maintenance of the Facilities.

The terms Grantor and Grantee shall include the respective heirs, successors, and assigns of Grantor and Grantee. The failure of Grantee to exercise or continue to exercise or enforce any of the rights herein granted shall not be construed as a waiver or abandonment of the right thereafter at any time, or from time to time, to exercise any and all such rights.

TO HAVE AND TO HOLD said rights, privilege, and easement unto Grantee, its successors, licensees, and assigns, forever. Grantor warrants and covenants that Grantor has the full right and authority to convey to Grantee this perpetual Easement, and that Grantee shall have quiet and peaceful possession, use and enjoyment of the same.

IN WITNESS WHEREOF, Grantor has signed this Easement under seal effective this ____ day of _____, 20____.

**MEDICAL UNIVERSITY HOSPITAL
AUTHORITY**

a South Carolina State Agency

Witnesses:

(Witness #1)

_____ (SEAL)

By: _____

_____ Title

(Witness #2)

STATE OF _____

COUNTY OF _____

I, _____, a Notary Public of _____ County, State of _____, certify that _____, as _____ of MEDICAL UNIVERSITY HOSPITAL AUTHORITY, a South Carolina State Agency, personally appeared before me this day and acknowledged the due execution of the foregoing EASEMENT.

Witness my hand and notarial seal, this ____ day of _____, 20____.



Notary Public: _____

Commission expires: _____

PARCEL ID: 0008-00-071.01
CHESS DONALD B & PHYLLIS A
9313 CHARLOTTE HWY

43905297
REQUESTING TO INSTALL TEMPORARY AND PERMANENT UNDERGROUND POWER LINE AS SHOWN
THESE FACILITIES WILL HELP DUKE ENERGY IMPROVE RELIABILITY & MAINTENANCE TIME

REQUESTING TO INSTALL TEMPORARY
DOWNGUY ANCHORS ON THIS PARCEL AS
SHOWN HERE. LEAD LENGTHS 28', 24', 20'
REMOVING THIS 1-PHASE PERMANENTLY. THIS LINE WILL
GO UNDERGROUND AS SHOWN IN PURPLE LINES

15 FOOT DOWNGUY TO BE INSTALLED

EXISTING OH
1-PHASE LINE

REQUESTING TO INSTALL 1-PHASE
UNDERGROUND CABLE ON THIS PARCEL.
THIS LINE WILL BE APPROXIMATELY 10'
FROM STEEL POLE

EXISTING POLES TO
BE REPLACED WITH
STEEL POLE

EXISTING
LINE POLES
TO BE REPLACED

3 CIRCUIT
TEMPORARY
LINES

PROPERTY MARKER.
It is 20' from the edge of the road
to the pole being replaced to steel pole on
EAST SIDE.

PARCEL ID: 0008-00-086.00
HOUSE MARGARET C
9318 CHARLOTTE HWY

- LEGEND
- REPLACE POLE
 - REPLACE LINE
 - NEW PERMANENT POLE
 - NEW TEMPORARY POLE
 - EXISTING POLE
 - EXISTING OVERHEAD LINE
 - NEW TEMPORARY POWERLINE
 - NEW TEMP DOWNGUY ANCHORS
 - NEW TEMP DOWNGUY ANCHOR
 - SECONDARY LINES

REQUESTING TO INSTALL TEMPORARY
DOWNGUY ANCHORS ON THIS PARCEL AS
SHOWN HERE.
LEAD LENGTHS 34', 30', 26'

PARCEL ID: 0008-00-087.01
MEDICAL UNIVERSITY HOSPITAL AUTHORITY

3 CIRCUIT
EXISTING
LINES

Google Earth

Legend
100 ft

MEDICAL UNIVERSITY OF SOUTH CAROLINA (MUSC) BOARD OF TRUSTEES
REGULAR AGENDA
May 19, 2023
101 Colcock Hall

Members of the Board of Trustees

Dr. James Lemon, Chairman
Mr. Charles Schulze, Vice-Chairman
Ms. Terri R. Barnes
The Honorable James A. Battle, Jr.
Mr. William H. Bingham, Sr.
Dr. W. Melvin Brown III
Dr. Henry F. Butehorn III
Dr. C. Guy Castles III

Dr. Richard M. Christian, Jr.
Dr. Paul T. Davis
Dr. Donald R. Johnson II
Ms. Barbara Johnson-Williams
Dr. G. Murrell Smith, Sr.
Mr. Michael E. Stavrinakis
Thomas L. Stephenson, Esq.
Dr. Bartlett J. Witherspoon, Jr.

Trustees Emeriti

Mr. Allan E. Stalvey

Dr. Charles B. Thomas, Jr.

Dr. James E. Wiseman, Jr.

- Item 1. Call to Order..... Dr. James Lemon
Chairman
- Item 2. Roll Call..... Katherine Haltiwanger
Board Secretary
- Item 3. Date of Next Meeting – August 11, 2023 Katherine Haltiwanger
Board Secretary
- Item 4. Approval of Meeting Minutes..... Dr. James Lemon
Chairman

Recommendations and Informational Report of the President: Dr. David Cole

- Item 5. Other Business Dr. David Cole
President

Research and Institutional Advancement Committee: Terri Barnes, Chair

- Item 6. Institutional Advancement Update..... Kate Azizi
Vice President for Institutional Advancement
- Item 7. Other Committee Business Terri Barnes
Committee Chair

Education, Faculty & Student Affairs Committee: Barbara Johnson-Williams, Chair

- Item 8. College of Dental Medicine Reorganization for Approval Dr. Lisa Saladin
Executive Vice President for Academic Affairs and Provost
- Item 9. Other Committee Business Barbara Johnson-Williams
Committee Chair

Finance and Administration Committee: Jim Battle, Chair

- Item 10. MUSC Financial Report Patrick Wamsley
Chief Financial Officer, MUSC
- Item 11. MUSC Physicians Financial Report Fred Borrelli
Chief Financial Officer, MUSC Physicians
- Item 12. Other Committee Business Jim Battle
Committee Chair

Other Business for the Board of Trustees

- Item 13. Item removed.
- Item 14. Approval of Consent Agenda Dr. James Lemon
Chairman
- Item 15. Executive Session Dr. James Lemon
Chairman

Upon proper motion and vote, the Board may convene a closed session pursuant to SC Code Ann. §30-4-70. Although the Board will not vote on any items discussed in closed session, the Board may return to public session to vote on items discussed.

- Item 16. New Business for the Board of Trustees Dr. James Lemon
Chairman
- Item 17. Report from the Chairman Dr. James Lemon
Chairman

MUSC Board of Trustees Report Institutional Advancement Update

May 2023



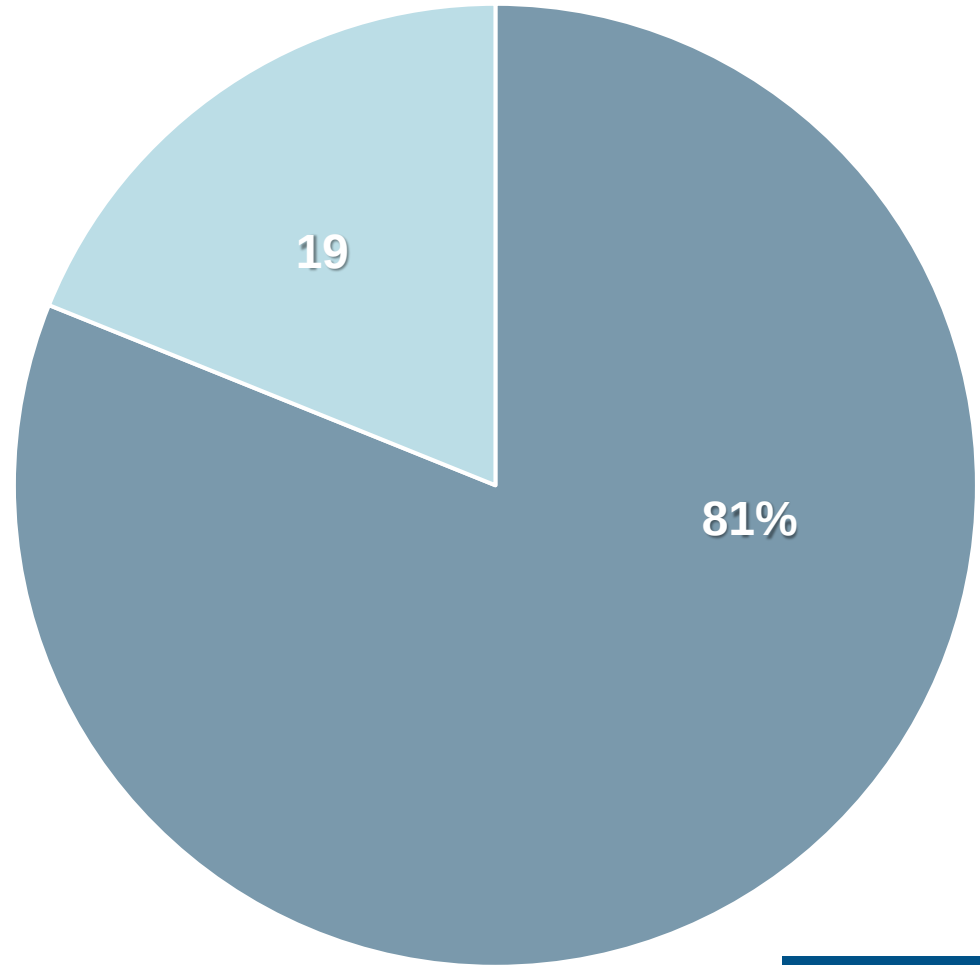
FY23 Progress as of April 28, 2023

Dollars Raised

Goal:
\$75,000,000

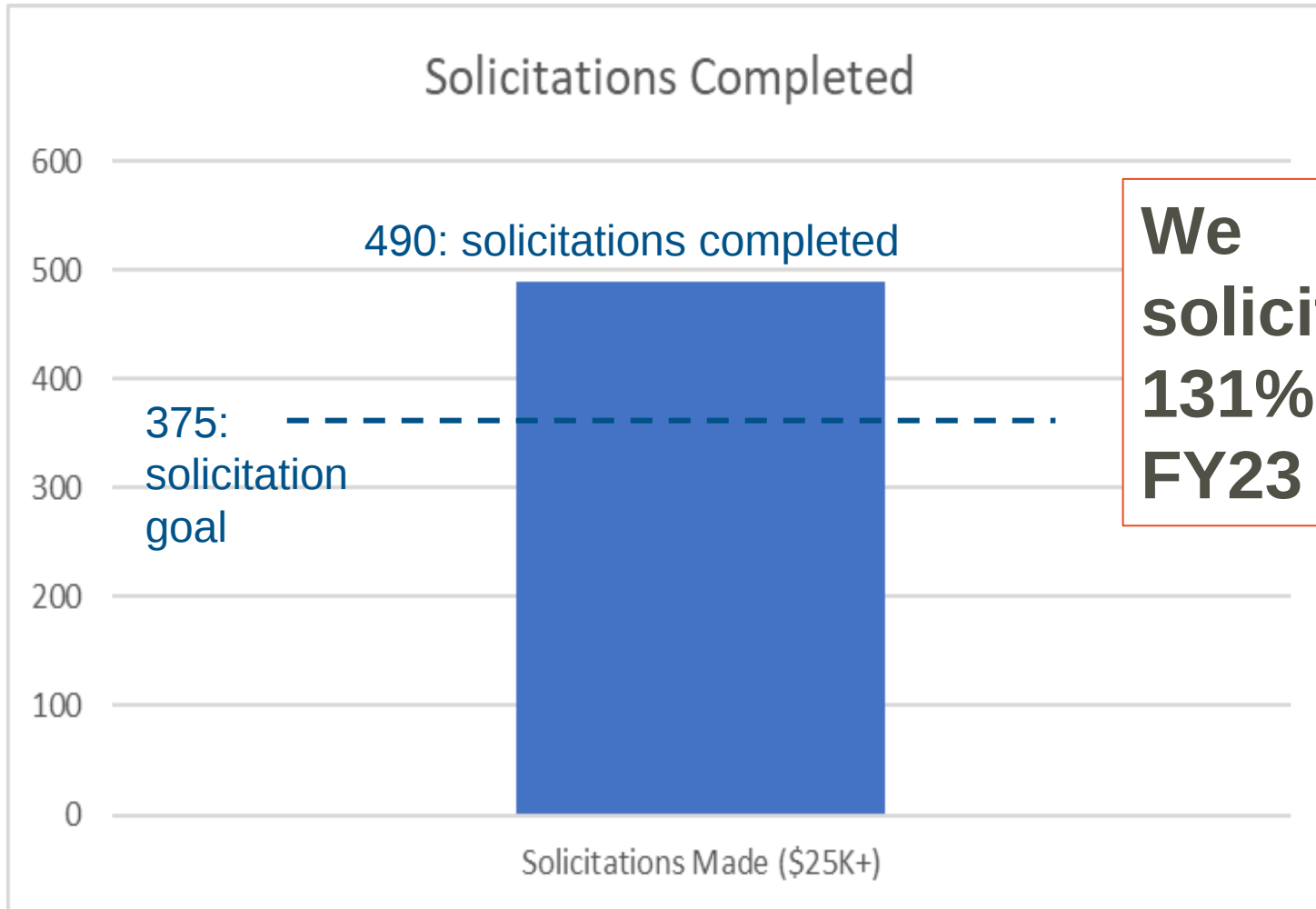
Achieved to Date:
\$60,829,743

Progress to Goal:
81%



■ Funds raised ■ Funds left to raise

FY23 Progress as of April 28, 2023



**We
solicited
131% of our
FY23 goal!**

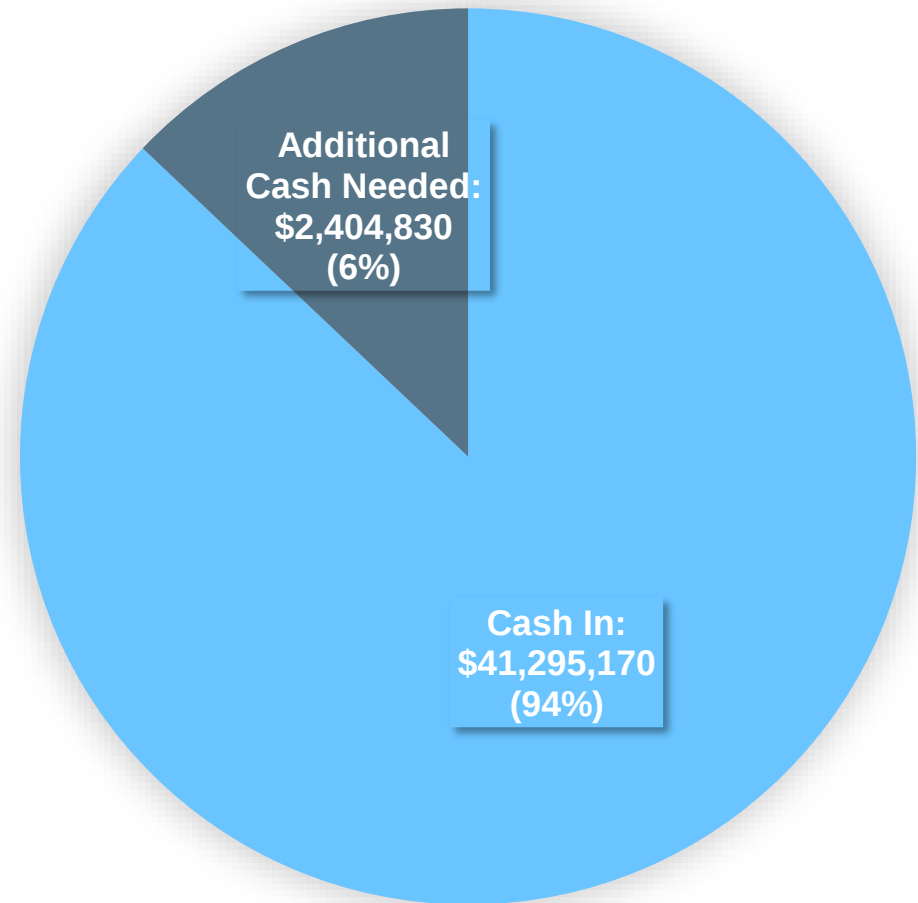
FY23 Progress as of April 28, 2023

Cash In

Cash into MUSCF
Goal: **\$43.7M**

Achieved to date:
\$41,295,170

Progress to Goal:
94%



THE MEDICAL UNIVERSITY OF SOUTH CAROLINA
Monthly Financial Reports
Table of Contents
For the Nine (9) Month Period Ended March 31, 2023

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Statement of Net Position	1
University Budgeted Funds Comparison to Budget	2
Notes to the Financial Statements	3-4
Summary of Current Debt Obligations and Analysis of Available Bonded Debt Capacity	5
Statement of Revenues, Expenses and Changes in Net Position For Affiliated Organizations	6

The Medical University of South Carolina and Affiliated Organizations
Statement of Net Position
As of March 31, 2023

	University	Area Health Education Consortium	CHS Development Company
Assets & Deferred Outflows			
Cash and Cash Equivalents	\$ 392,261,026	\$ 9,821,488	\$ -
Cash and Cash Equivalents - Restricted	41,713,204	-	726,905
State Appropriation Receivable	64,971,442	4,174,407	-
Student Tuition and Fees Receivable	625,618	-	-
Student Loan Receivable	11,619,787	-	-
Grants and Contracts Receivable	105,764,751	431,220	-
Capital Improvement Bond Proceeds Receivable	-	-	-
Lease Receivable	14,290,867	-	3,589,241
Other Receivables	3,959,620	-	-
Investments	-	-	314,908
Prepaid Items	24,068,209	-	134,831
Capital Assets, net of Accumulated Depreciation	440,202,434	-	-
Due from Hospital Authority	7,990,100	-	-
Due from Other Funds	125,100,279	-	-
Bond Issue Costs	-	-	-
Derivative Instruments Fair Value / Deferred Outflows	-	-	-
Deferred loss on Debt Refinancing	6,635	-	29,652
Deferred Outflows-Pensions	77,941,172	-	-
Deferred Outflows-OPEB	215,792,251	-	-
Other Assets	-	-	-
Total Assets & Deferred Outflows	\$ 1,526,307,395	\$ 14,427,115	\$ 4,795,537
Liabilities & Deferred Inflows			
Accounts Payable	\$ 22,128,621	\$ 574,609	\$ -
Accrued Payroll and Other Payroll Liabilities	30,769,141	-	-
Accrued Compensated Absences	31,431,216	181,586	-
Deferred Revenue	64,918,858	3,069,225	-
Retainages Payable	2,127,788	-	-
Long-Term Debt	92,494,775	-	3,685,000
Lease Liability	93,958,461	-	-
Interest Payable	630,246	-	13,819
Deposits Held for Others	3,665,737	-	-
Due to Hospital Authority	-	-	-
Due to Other Funds	5,127,497	-	-
Federal Loan Program Liability	11,384,566	-	-
Derivative Instruments Fair Value / Deferred Inflows	-	-	-
Net Pension Liability	519,701,389	-	-
Net OPEB Liability	736,693,435	-	-
Deferred Inflows-Leases	14,971,268	-	-
Deferred Inflows-Pensions	22,321,885	-	-
Deferred Inflows-OPEB	40,762,227	-	-
Other Liabilities	38,050,096	-	-
Total Liabilities & Deferred Inflows	\$ 1,731,137,206	\$ 3,825,420	\$ 3,698,819
Net Position	(204,829,811)	10,601,695	1,096,718
Total Liabilities & Deferred Inflows and Net Position	\$ 1,526,307,395	\$ 14,427,115	\$ 4,795,537

The Medical University of South Carolina
Budgeted Funds Comparison to Budget (Expenses Classified by Category)
For the period ending March 31, 2023

	Budget	Prorated Budget (Note)	Actual	Variance	
Revenues					
Federal Grants & Contracts	\$ 143,729,464	\$ 107,797,098	\$ 123,602,425	\$ 15,805,327	F
Federal Grants Indirect Cost Recoveries	41,203,063	30,902,297	31,989,811	1,087,514	F
State Grants & Contracts	8,921,887	6,691,415	6,354,060	(337,355)	U
Private Grants & Contracts	36,319,143	27,239,357	26,877,401	(361,956)	U
Private Grants Indirect Cost Recoveries	6,546,261	4,909,696	4,693,616	(216,080)	U
Total Grants & Contracts	236,719,818	177,539,863	193,517,313	15,977,450	F
State Appropriations	123,183,540	92,387,655	93,571,190	1,183,535	F
Tuition and Fees	115,504,693	86,628,520	85,917,345	(711,175)	U
Pass-Through Revenues	116,347,979	87,260,984	87,402,167	141,183	F
Gifts	26,406,705	19,805,029	9,670,675	(10,134,354)	U
Transfers from (to) MUSC Physicians	102,291,145	76,718,359	73,856,482	(2,861,877)	U
Sales and Services of Educational Departments	17,136,923	12,852,692	12,337,964	(514,728)	U
Sales and Services of Auxiliary Enterprises	14,285,172	10,713,879	8,800,879	(1,913,000)	U
Interest and Investment Income	3,041	2,281	(4,300)	(6,581)	U
Endowment Income	4,545,442	3,409,082	938,990	(2,470,092)	U
Miscellaneous	15,778,117	11,833,588	13,376,233	1,542,645	F
Miscellaneous - Residents	8,000,000	6,000,000	6,000,000	-	F
Authority Revenue	97,308,141	72,981,106	71,999,838	(981,268)	U
Authority Revenue - Residents	74,583,968	55,937,976	55,937,976	-	F
Intra-Institutional Sales	41,582,808	31,187,106	28,564,297	(2,622,809)	U
Total Other	756,957,674	567,718,257	548,369,736	(19,348,521)	U
Total Revenues	993,677,492	745,258,120	741,887,049	(3,371,071)	U
Expenditures					
Salaries	\$ 366,599,538	\$ 274,949,654	\$ 267,987,425	\$ 6,962,229	F
Miscellaneous Personnel Expenditures	5,197,950	3,898,463	-	3,898,463	F
Fringe Benefits	142,367,731	106,775,798	107,836,289	(1,060,491)	U
Total Personnel	\$ 514,165,219	\$ 385,623,915	\$ 375,823,714	\$ 9,800,201	F
Contractual Services	\$ 180,625,308	\$ 135,468,981	\$ 132,995,136	\$ 2,473,845	F
Pass-through Expenditures	116,347,979	87,260,984	87,402,167	(141,183)	U
Supplies	61,717,312	46,287,984	43,812,246	2,475,738	F
Fixed Charges	55,792,105	41,844,079	40,570,484	1,273,595	F
Equipment	9,760,068	7,320,051	6,742,998	577,053	F
Travel	3,981,829	2,986,372	3,156,964	(170,592)	U
Trainee / Scholarships	24,559,596	18,419,697	19,150,839	(731,142)	U
Other Expenses	6,105,086	4,578,815	3,245,874	1,332,941	F
Debt Service	9,680,387	7,260,290	6,644,466	615,824	F
Total Other	\$ 468,569,670	\$ 351,427,253	\$ 343,721,174	\$ 7,706,079	F
Total Expenditures	\$ 982,734,889	\$ 737,051,168	\$ 719,544,888	\$ 17,506,280	F
Other Additions (Deductions)					
Transfers from(to) Plant Funds	(42,293,869)	(31,720,402)	(33,463,959)	(1,743,557)	U
Other Transfers	33,413	25,060	(141,748)	(166,808)	U
Prior Year Fund Balance Usage	38,162,857	28,622,143	25,583,919	(3,038,224)	U
Total Other Additions (Deductions)	\$ (4,097,599)	\$ (3,073,199)	\$ (8,021,788)	\$ (4,948,589)	U
NET INCREASE (DECREASE) in Fund Balance	\$ 6,845,004	\$ 5,133,753	\$ 14,320,373	\$ 9,186,620	F
Non-Budgeted Items					
Net Unfunded Pension Expense			1,742,033		
Net Unfunded OPEB Expense			(27,705,536)		
Depreciation			(26,588,677)		
Endowment Gains/Losses			1,406,086		
Gain (Loss) on Disposition of Property			(124,878)		
Other Non-Budgeted Items			34,123,986		
SRECNP Bottom Line			(2,826,613)		

THE MEDICAL UNIVERSITY OF SOUTH CAROLINA
NOTES TO THE FINANCIAL STATEMENTS
March 31, 2023

Note 1. *Basis of Presentation*

This financial statement provides summarized information for The Medical University of South Carolina (MUSC) and its affiliated organizations in discrete columns on the same page. The purpose of this financial report is to provide information that will be helpful to those who must make decisions about MUSC.

Note 2. *State Appropriations*

State appropriations revenue is prorated evenly over the twelve month period for which the funds are to be spent.

Note 3. *Cash and Cash Equivalents - Restricted*

Cash and cash equivalents - restricted include bond proceeds, the debt service reserve accounts, and the debt service fund accounts.

Note 4. *Capital Assets, Net of Accumulated Depreciation*

The University's capital assets, net of accumulated depreciation consists of the following:

Construction in progress	\$ 63,355,272
Projects in progress	3,622,699
Land/Bldgs/Equipment/Accumulated depreciation	<u>373,224,463</u>
Capital Assets, Net of Accumulated Depreciation	<u>\$ 440,202,434</u>

Note 5. *Construction in Progress*

The itemized construction-in-progress will be updated in future months.

Note 6. *Deferred Revenue*

The University's deferred revenue consists of the following:

State appropriations	\$ 31,190,397
Grants and contracts	17,481,019
Student tuition and fees	13,649,871
Other	<u>2,597,571</u>
Total Deferred Revenue	<u>\$ 64,918,858</u>

THE MEDICAL UNIVERSITY OF SOUTH CAROLINA
NOTES TO THE FINANCIAL STATEMENTS
March 31, 2023

Note 7. Long Term Liabilities and Leases

The University's long term liabilities and leases consist of the following:

Lease Liability	\$ 93,958,460
Higher Ed Refunded Revenue bond payable	16,255,000
State Institution bonds payable	41,985,000
Energy Performance Note Payable	27,464,722
Premium on State Institution bonds payable	6,057,006
Premium on Refunding Revenue Bonds	733,048
Total Long Term Liabilities and Leases	<u>\$ 186,453,236</u>

Note 8. Summary of Net Position

The University implemented GASB Statement No. 68, *Accounting and Financial Reporting for Pensions* in fiscal year 2015 and GASB Statement No. 75, *Accounting and Financial Reporting for Post Employment Benefits Other Than Pensions (OPEB)* in fiscal year 2018. These statements require participating employers to report their proportionate share of the plans' net pension liability and OPEB liabilities, pension and OPEB expense and deferred outflows and inflows. In fiscal year 2022, excluding the GASB 68 and GASB 75 impact, the University's unrestricted net position increased \$39.6 million for a total of \$200.2 million. In fiscal year 2021, excluding the GASB 68 and GASB 75 impact, the University's net position increased \$2.3 million for a total of \$160.6 million. In fiscal year 2020, excluding the GASB 68 and GASB 75 impact, the University's unrestricted net position decreased \$7.1 million for a total of \$158.3 million. In fiscal year 2019, excluding the GASB 68 and GASB 75 impact, the University's unrestricted net position increased \$28.2 million for a total of \$165.4 million.

	Per annual CAFR			
	<u>FY2022</u>	<u>FY2021</u>	<u>FY2020</u>	<u>FY2019</u>
Net investment in capital assets	\$ 264,898,753	\$ 256,273,784	\$ 273,745,547	\$ 290,960,785
Restricted				
Nonexpendable	94,737,549	93,450,804	92,884,333	91,997,286
Expendable	204,093,027	172,064,021	119,736,905	113,211,622
Unrestricted (exclusive of GASB 68 and 75 liabilities)	200,247,718	160,633,515	158,323,021	165,423,830
Unrestricted (including GASB 68 and 75 liabilities)	(961,299,272)	(908,652,076)	(868,396,874)	(841,631,771)
Total net position	<u>\$ (197,322,225)</u>	<u>\$ (226,229,952)</u>	<u>\$ (223,707,068)</u>	<u>\$ (180,038,248)</u>

Medical University of South Carolina
Summary of Current Debt Obligations

(\$\$ in thousands)

	Original Issue	Purpose	Outstanding & Authorized as of 31-Mar-2023
State Institution Bonds (SIB)			
SIB 2012B refunding	12,645	Refunding SIB 2001C, 2003D, & 2003J	1,645
SIB 2016D	30,095	Refunding SIB 2005A & convert BAN	18,135
SIB 2021D	23,415	Refunding SIB 2011D & to fund construction of capital projects	22,205
	<u>\$ 146,150</u>		
Current SIB Debt Authorized and Issued			<u>\$ 41,985</u>
Notes Payable - JEDA	<u>\$ 32,985</u>	Construction of College Health Health Profession facilities	<u>\$ 3,685</u>
Refunding Revenue Bonds, Series 2017			
2017	<u>\$ 25,115</u>	Refunding of Higher Ed Revenue Bonds	<u>\$ 16,255</u>
Energy Performance Note Payable			
EPNP 02-27-19	<u>\$ 30,000</u>	Energy Savings	<u>\$ 27,465</u>

MUSC Affiliated Organizations
Statement of Revenues, Expenses and Changes in Net Position
For the Nine (9) Month Period Ending March 31, 2023

	Area Health Education Consortium	CHS Development Company
Operating Revenues		
Student Tuition and Fees	\$ -	\$ -
Federal Grants and Contracts	641,500	-
State Grants and Contracts	1,055,599	-
Local Government Grants and Contracts	-	-
Nongovernmental Grants and Contracts	62,500	-
Sales and Services to Hospital Authority	-	-
Sales and Services of Educational and Other Activities	-	-
Sales and Services of Auxiliary Enterprises	-	-
Interest Income	-	182,986
Other Operating Revenues	134,803	-
Total Operating Revenues	1,894,402	182,986
Operating Expenses		
Compensation and Employee Benefits	2,286,126	-
Pension Benefits		
OPEB Expense		
Services and Supplies	2,879,448	-
Utilities	-	-
Scholarships and Fellowships	16,100	-
Refunds to Grantors	-	-
Interest Expense	-	93,898
Depreciation and Amortization	-	117,262
Total Operating Expenses	5,181,674	211,160
Operating Income (Loss)	(3,287,272)	(28,174)
Nonoperating Revenues (Expenses)		
State Appropriations	9,207,675	-
State Appropriations - MUHA	-	-
Gifts and Grants Received	-	-
Investment Income	-	-
Interest Expense	-	-
Gain (Loss) on Disposal of Capital Assets	-	-
Transfers From (To) Other State Agencies	-	-
Other Nonoperating Revenues (Expenses), net	-	-
Net Nonoperating Revenues (Expenses)	9,207,675	-
Income (Loss) Before Other Revenues, Expenses, Gains, Losses and Transfers	5,920,403	(28,174)
Capital Appropriations	-	-
Capital Grants and Gifts	-	-
Additions to Permanent Endowments	-	-
Transfers From (To) MUSC Physicians (UMA)	-	-
Transfers From (To) AHEC	319	-
Transfers From (To) CHS Development	-	10,302
Transfers From (To) Facilities Corporation	-	-
Increase (Decrease) In Net Position	\$ 5,920,722	\$ (17,872)

MUSC Physicians and Carolina Family Care

Interim Financial Statements For the nine month period ending March 31, 2023

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Unaudited – For Management Use

MUSC Physicians and Carolina Family Care, Inc.
(A Component Unit of MUSC)
Statement of Revenues, Expenses and Changes in Net Position
For the 9 Month Period Ending - March 31, 2023

	MUSC Physicians				Carolina Family Care, Inc.		Total		
	College of Medicine Actual	Corporate Actual	Ambulatory Care Actual	Other Actual	Carolina Family Care Primary Care Actual	Other Actual	Total Actual	Total Fixed Budget	Total Variance
Operating revenues:									
Net clinical service revenue	339,956,140	-	-	3,645,153	19,566,397	1,683,782	364,851,471	356,510,014	8,341,458
Supplemental medicaid	35,213,950	-	-	-	2,400,000	-	37,613,950	37,443,643	170,307
Other operating revenue	1,953,036	2,038,840	1,380	4,751,634	3,414,610	349,532	12,509,032	12,935,826	(426,794)
Intercompany transfers	(104,777,462)	28,740,098	73,145,071	2,892,292	-	-	-	-	-
Purchased services	83,963,820	(3,974,882)	(3,881,743)	8,467,220	570,332	4,664,489	89,809,236	92,246,311	(2,437,075)
Grant salary reimb. from MUSC	10,973,532	-	-	118,767	-	-	11,092,299	12,932,444	(1,840,146)
Total operating revenues	367,283,015	26,804,057	69,264,708	19,875,066	25,951,339	6,697,803	515,875,988	512,068,238	3,807,750
Operating expenses:									
Salaries, wages and benefits	282,262,233	21,287,283	24,063,127	10,972,415	17,020,820	5,086,955	360,692,833	359,482,019	(1,210,814)
MUSCP reimb. for education and research	76,393,773	-	-	135,963	-	-	76,529,736	76,529,736	-
Supplies	1,479,207	262,610	34,534,896	249,085	2,154,822	65,342	38,745,963	36,573,524	(2,172,439)
Contractual services	2,624,906	6,835,749	1,318,326	3,947,202	920,538	1,231,656	16,878,377	17,542,723	664,346
Facility cost and equipment	50,656	907,400	6,879,962	326,314	1,688,018	203,240	10,055,590	10,572,654	517,065
Professional liability insurance	6,296,145	12,985	1,410	9,765	266,146	16,897	6,603,347	6,748,478	145,130
Depreciation	-	544,860	2,753,670	1,097,820	227,143	-	4,623,494	5,221,846	598,353
Meals and travel	1,774,197	72,967	25,016	384,531	8,345	26,566	2,291,622	2,924,588	632,966
Other expenses	178,330	867,439	64,758	172,612	(39,870)	44,971	1,288,239	1,781,786	493,547
Faculty and staff recruitment	389,194	240,693	5,733	289,604	12,457	133,560	1,071,241	985,570	(85,672)
MUSCP corporate shared services	-	-	-	-	1,814,896	19,466	1,834,362	1,957,062	122,700
Total operating expenses	371,448,641	31,031,988	69,646,897	17,585,310	24,073,315	6,828,653	520,614,803	520,319,986	(294,817)
Operating income (loss)	(4,165,626)	(4,227,931)	(382,189)	2,289,756	1,878,024	(130,850)	(4,738,815)	(8,251,748)	3,512,932
Operating margin	(1.1%)	(15.8%)	(0.6%)	11.5%	7.2%	(2.0%)	(0.9%)	(1.6%)	
Nonoperating revenue (expenses):									
Investment income	1,126,532	4,348,474	-	9,111,852	70	162	14,587,091	4,688,343	9,898,748
Interest expense	-	(246,281)	-	(2,102,526)	-	(39,318)	(2,388,125)	(2,071,288)	(316,837)
Rental income	13,541	127,277	382,189	5,045,647	45,526	251	5,614,431	5,601,278	13,153
Rent expense	-	-	-	(1,111,525)	-	-	(1,111,525)	(1,111,525)	-
Gain (loss) on disposal of assets	-	(1,540)	-	-	-	-	(1,540)	-	(1,540)
Total Nonoperating revenue (expenses)	1,140,073	4,227,931	382,189	10,943,448	45,596	(38,905)	16,700,333	7,106,808	9,593,524
Change in net position	<u>\$ (3,025,553)</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 13,233,204</u>	<u>\$ 1,923,620</u>	<u>\$ (169,754)</u>	<u>\$ 11,961,517</u>	<u>\$ (1,144,939)</u>	<u>\$ 13,106,456</u>
Net margin	(0.8%)	0.0%	0.0%	66.6%	7.4%	(2.5%)	2.3%	(0.2%)	

Notes:

MUSC Physicians Other includes other Colleges (Nursing CoHP, Dental), Presidents Fund, Rental Properties and Investment Account
Carolina Family Care, Inc. Other includes Grace Internal Medicine, Institutional Advancement, and MHA Participant Distribution

Medical University of South Carolina Physicians

Executive Summary

For the nine-month period ending March 31, 2023

Charges:

- **YTD: 4% over budget and 9% over last year**
- Month of March: 4% over budget and 9% over last year
- Top 5 clinical departments: Family Medicine, Infusion, Orthopedics, Psychiatry, Pediatrics
- Bottom 5 clinical departments: Urology, Pathology & Lab Medicine, Ophthalmology, Neurosurgery, Otolaryngology

Payments:

- **YTD: 0% vs budget and 4% over last year**
- Month of March: 3% over budget and 7% over last year
- 35.9 Days in AR and \$84 per wRVU

Income/(Loss):

- **(\$6.5M) Operating Loss; (1.3%) Operating Margin**
 - \$2.1M favorable variance to fixed budget
 - \$9.0M favorable net clinical service revenue
 - (\$2.7M) unfavorable purchased services - hospital bill
 - (\$1.8M) unfavorable grant salary reimbursement
 - (\$2.3M) unfavorable salaries, wages and benefits
 - (\$2.1M) unfavorable supplies
 - Vaccines/injectables overbudget due to expanded growth (Infusion charges over budget YTD 20% above budget)
 - \$1.6M favorable facility cost & equipment, depreciation, meals & travel
- **\$10.2M Net Income; 2.1% Net Margin**
 - \$11.7M favorable variance to fixed budget
 - \$9.9M favorable investments
 - \$8.1M unrealized/realized gain on investments
 - \$1.1M swap income

Balance Sheet:

- Days cash on hand: 211 days
- Current ratio: 5.9
- Net Position: \$434.7M; increased by \$10.2M compared to June 2022

Pension:

- YTD expense: \$33.1M; increased by 7.8% compared to YTD June 2022

MUSC Physicians
(A Component Unit of MUSC)
Statement of Revenues, Expenses and Changes in Net Position
For the 9 Month Period Ending - March 31, 2023

	Fiscal Year To Date				Prior Year To Date
	Actual	Fixed Budget	Variance	Var %	Actual
Operating revenues:					
Net clinical service revenue	\$ 343,601,293	\$ 334,639,578	\$ 8,961,715	3%	\$ 327,431,680
Supplemental medicaid	35,213,950	35,043,643	170,307	0%	39,383,466
Other operating revenue	8,744,891	9,328,120	(583,229)	(6%)	13,774,193
Purchased services	84,574,415	87,282,804	(2,708,390)	(3%)	77,705,054
Grant salary reimb. from MUSC	11,092,299	12,932,444	(1,840,146)	(14%)	11,713,378
Total operating revenues	483,226,846	479,226,589	4,000,257	1%	470,007,772
Operating expenses:					
Salaries, wages and benefits	338,585,058	336,263,687	(2,321,371)	(1%)	323,485,554
MUSCP reimb. for education and research	76,529,736	76,529,736	-	0%	68,110,422
Supplies	36,525,799	34,418,223	(2,107,576)	(6%)	32,072,234
Contractual services	14,726,183	15,074,335	348,152	2%	10,828,838
Facility cost and equipment	8,164,331	8,596,563	432,232	5%	8,376,316
Professional liability insurance	6,320,304	6,388,944	68,640	1%	5,906,712
Depreciation	4,396,350	4,960,713	564,362	11%	3,882,004
Meals and travel	2,256,711	2,902,151	645,440	22%	1,479,370
Other expenses	1,283,139	1,686,025	402,886	24%	1,773,719
Faculty and staff recruitment	925,224	973,348	48,123	5%	899,152
Donations - transfer to MUSCF	-	-	-	0%	25,100
Total operating expenses	489,712,836	487,793,723	(1,919,113)	(0%)	456,839,422
Operating income (loss)	(6,485,990)	(8,567,134)	2,081,145	24%	13,168,350
Operating margin	(1.3%)	(1.8%)			2.8%
Nonoperating revenue (expenses):					
Investment income	14,586,859	4,688,343	9,898,516	211%	(3,226,891)
Interest expense	(2,348,806)	(2,070,709)	(278,098)	(13%)	(2,236,756)
Rental income	5,568,653	5,576,598	(7,945)	(0%)	5,554,759
Rent expense	(1,111,525)	(1,111,525)	-	0%	(1,127,449)
Gain (loss) on disposal of assets	(1,540)	-	(1,540)	(100%)	27,000
Total nonoperating revenue (expenses)	16,693,641	7,082,707	9,610,934	136%	(1,009,337)
Change in net position	<u>\$ 10,207,651</u>	<u>\$ (1,484,427)</u>	<u>\$ 11,692,078</u>	<u>788%</u>	<u>\$ 12,159,013</u>
Net margin	2.1%	(0.3%)			2.6%

Notes:

Purchased services: variance caused by hospital bill

Grant salary reimbursement: OurDay implementation delay in billings

Salary, wages and benefits: (\$5.7M) College of Medicine overbudget, \$1.2M Corporate underbudget, \$1M Group Health Surplus, \$0.5M Ambulatory underbudget

Supplies: Vaccines/Injectibles overbudget due to expanded growth; Infusion charges 20% overbudget

Investment income: \$13.1M unrealized gain on investment, (\$5.0M) realized loss on investment, \$1.1M swap income

MUSC Physicians

(A Component Unit of the Medical University of South Carolina)

Statement of Net Position**ASSETS**

	March 31, 2023	June 30, 2022	Variance
Current Assets:			
Cash and investments	\$ 285,928,608	\$ 336,177,799	\$ (50,249,192)
Receivables:			
Patient services - net of allowances for contractual adjustments and bad debt of \$195,851,130	56,860,006	49,788,996	7,071,010
Due from the Medical University of South Carolina	13,105,264	26,362,895	(13,257,631)
Due from the Medical University Hospital Authority	12,173,672	6,042,402	6,131,270
Due from the Medical University Foundation	373,419	747,471	(374,052)
Due from Carolina Family Care, Inc.	2,674,303	6,922,849	(4,248,545)
Note receivable from CFC/MHP	756,003	756,003	-
Investment / Advancements consolidated CFC	32,270,000	32,270,000	-
Due from Comprehensive Psychiatric Services	(18,610)	(2,659)	(15,951)
Due from MCP	866,543	478,651	387,891
Due from MUSC Health Alliance	4,320	416,422	(412,102)
Due from MSV	565,837	-	565,837
Lease receivable	2,946,249	2,946,249	-
Other current assets	43,797,105	5,477,687	38,319,418
Total Current Assets	452,302,719	468,384,766	(16,082,047)
Noncurrent assets:			
Capital assets:			
Land	17,034,537	17,034,537	-
Buildings	52,079,291	51,903,396	175,895
Furniture and equipment	31,981,741	31,172,656	809,086
Leasehold improvements	67,323,251	64,305,580	3,017,671
Rental buildings under capital lease	13,989,600	13,989,600	-
Computer software	14,207,950	14,207,950	-
Right of use assets	21,443,860	21,443,860	-
Accumulated depreciation and amortization	(106,488,710)	(99,497,004)	(6,991,706)
Lease receivable	4,257,598	5,866,028	(1,608,430)
Other assets	390,000	1,240,000	(850,000)
Investment in partnerships	6,595,269	6,595,269	-
Fair value of derivative instruments	491,292	(660,108)	1,151,400
Total noncurrent assets	123,305,679	127,601,763	(4,296,084)
Total Assets	575,608,398	595,986,529	(20,378,131)
Deferred outflows of resources:			
Deferred refunding cost	5,496,062	6,476,238	(980,176)
Deferred outflows-OPEB	780,785	780,785	-
Total deferred outflows	6,276,847	7,257,023	(980,176)
Total Assets and Deferred Outflows	\$ 581,885,245	\$ 603,243,552	\$ (21,358,307)

Notes:

Cash and Investments: FY22 YE incentive payments (\$38.2M); FY23 Y incentive (salary + fringe) payments (\$25.5M); (\$8.6M) PLI payment; \$8.1M Realized/Unrealized Investment gains; estimated unpaid grant salary reimb (\$8.0M); FY22 Q3-Q4 STP cash rec'd of \$20.7M

Due from MUSC variance: (\$20.7M) Q3-Q4 FY22 Supplemental Medicaid payments received in FY23; Unpaid grant salary reimbursement \$8.0M

Due from MUHA variance: \$7.7M March hospital bill not received until April

ST Other current assets: variance is due to FY23 Supplemental Medicaid accrual \$35.0M; \$3M prepaid insurance balance increase

Leasehold Improvements: includes ongoing projects: ERP (FY23 balance increase of \$1.1M), Nexton (FY23 balance increase of \$0.6M), and West Campus (FY23 balance increase of \$1.7M)

LT Other Assets - (Noncurrent): \$850K decrease in collateral deposit for Swap

MUSC Physicians

(A Component Unit of the Medical University of South Carolina)

Statement of Net Position**LIABILITIES**

	March 31, 2023	June 30, 2022	Variance
Current Liabilities:			
Accounts payable	\$ 458,182	\$ 7,239,840	\$ 6,781,658
Accrued interest payable	140,757	142,165	1,407
Accrued payroll	16,299,243	42,569,084	26,269,841
Accrued payroll withholdings	3,634,948	10,291,887	6,656,939
Accrued pension contribution	4,605,506	1,886,233	(2,719,273)
Unapplied cash - patient services	12,471,789	6,777,393	(5,694,396)
Other accrued liabilities	8,362,836	5,297,863	(3,064,972)
Due to Medical University of South Carolina	736,616	409,401	(327,215)
Due to Medical University Hospital Authority	19,273,569	16,453,454	(2,820,115)
Accrued compensated absences	3,361,533	3,182,431	(179,102)
Lease liability	2,610,546	2,139,610	(470,936)
Bonds payable	4,160,000	4,125,000	(35,000)
Total current liabilities	76,115,524	100,514,360	24,398,836
Noncurrent Liabilities:			
Accrued compensated absences	2,763,815	2,763,815	-
Lease liability	11,269,385	13,047,221	1,777,836
Bonds payable	48,245,000	52,015,000	3,770,000
Deferred inflows-leases	7,128,412	8,747,699	1,619,287
Deferred inflows-OPEB	643,300	643,300	-
Net OPEB liability	1,019,759	1,019,759	-
Total noncurrent liabilities	71,069,671	78,236,794	7,167,123
Total liabilities	147,185,195	178,751,154	31,565,959
NET POSITION			
Invested in capital assets, net of related debt	79,754,058	71,615,082	(8,138,976)
Unrestricted (deficit)	354,945,991	352,877,316	(2,068,675)
Total Net Position	434,700,049	424,492,398	(10,207,651)
Total Liabilities, Inflows & Net Position	\$ 581,885,245	\$ 603,243,552	\$ 21,358,307

Notes:

Accounts payable: change in balance is due to the removal of FY22 AP accruals of \$5.2M; Corporate credit card payable decrease of \$1.7M

Accrued payroll: FY23 balance includes Y incentive (salary + fringe) accrual of (\$13.3M); \$1.3M caused by variance in biweekly accrual at

FY22 YE vs. March 2023; reversal of \$38.2M FY22 year-end accruals

Other accrued liabilities: change in balance due to FY23 (\$0.5M) Infusion accrual and (\$2.8M) R transfers accrual

Rutledge Tower JEDA Bond Balance is approximately \$48.8M

Carolina Family Care, Inc.

Including Carolina Primary Care Physicians & MUSC Health Partners

Executive Summary

For the nine-month period ending March 31, 2023

Charges-CFC:

- **YTD: 5% over budget and 15% over last year**
- Month of March: 5% over budget and 13% over last year

Payment-CFC:

- **YTD: (4%) under budget and 8% over last year**
- Month of March: 3% over budget and 8% over last year
- 24.5 Days in AR and \$104 per wRVU

Income/(Loss):

- **\$1.7M Operating Income; 5.4% Operating Margin**
 - \$1.4M favorable variance to fixed budget
 - (\$0.6M) unfavorable net clinical service revenue
 - \$0.2M favorable other operating revenue
 - \$0.3M favorable purchased services
 - \$1.0M favorable salaries primarily due to CFC Primary Care vacancies
 - \$0.3M favorable contractual services
- **\$1.8M Net Income; 5.4% Net Margin**
 - \$1.4M favorable variance to fixed budget

Balance Sheet:

- Current ratio: 0.7
- Net Position: (\$1.0M); increased by \$1.8M compared to June 2022
- Assets decreased by (\$1.9M) compared to June 2022
 - (\$2.5M) decrease in cash and cash equivalents (payments to UMA)
 - (\$0.3M) decrease in due from MUSC Health Alliance
 - (\$0.3M) decrease in due from MSV
 - \$2.2M increase in other current assets (Supplemental Medicaid accrual)
 - (\$0.9M) decrease in accumulated depreciation
- Liabilities decreased by (\$3.6M) compared to June 2022
 - (\$1.3M) decrease in accounts payable
 - \$2.1M increase in unapplied cash – patient services
 - (\$4.3M) decrease in due to UMA

Carolina Family Care, Inc.
(Including Carolina Primary Care Physicians and MUSC Health Partners)
Statement of Revenues, Expenses and Changes in Net Position
For the 9 Month Period Ending - March 31, 2023

	Fiscal Year To Date				Prior Year To Date
	Actual	Fixed Budget	Variance	Var %	Actual
Operating revenues:					
Net clinical service revenue	\$ 21,250,179	\$ 21,870,436	\$ (620,257)	(3%)	\$ 18,895,755
Supplemental medicaid	2,400,000	2,400,000	-	0%	2,400,000
Other operating revenue	3,764,142	3,607,707	156,435	4%	3,516,284
Purchased services	5,234,821	4,963,507	271,314	5%	2,937,459
Total operating revenues	32,649,142	32,841,649	(192,507)	(1%)	27,749,498
Operating expenses:					
Salaries, wages and benefits	22,107,775	23,218,332	1,110,558	5%	18,072,373
Supplies	2,220,164	2,155,301	(64,863)	(3%)	2,013,311
Contractual services	2,152,194	2,468,388	316,194	13%	1,893,145
Depreciation	227,143	261,133	33,990	13%	227,995
Facility cost and equipment	1,891,259	1,976,092	84,833	4%	1,730,965
Professional liability insurance	283,043	359,533	76,490	21%	357,134
Meals and travel	34,911	22,437	(12,474)	(56%)	19,746
Faculty and staff recruitment	146,017	12,222	(133,795)	(1095%)	12,035
MUSCP corporate shared services	1,834,362	1,957,062	122,700	6%	1,629,331
Other expenses	5,101	95,762	90,661	95%	15,568
Total operating expenses	30,901,967	32,526,263	1,624,295	5%	25,971,603
Operating income (loss)	1,747,174	315,387	1,431,788	454%	1,777,894
Operating margin	5.4%	1.0%			6.4%
Nonoperating revenue (expenses):					
Investment income	232	-	232	100%	350
Interest expense	(39,318)	(579)	(38,739)	(6689%)	(3,599)
Rental income	45,777	24,680	21,097	85%	38,005
Gain (loss) on disposal of assets	-	-	-	0%	(60,175)
Total nonoperating revenue (expenses)	6,691	24,101	17,410	72%	(25,419)
Change in net position	<u>\$ 1,753,866</u>	<u>\$ 339,488</u>	<u>\$ 1,414,378</u>	<u>417%</u>	<u>\$ 1,752,475</u>
Net margin	5.4%	1.0%			6.3%

Notes:
Net clinical service revenue: (\$385K) CFC Primary Care underbudget and (\$360K) Grace Internal Medicine underbudget
Purchased services: (\$595K) MCP Funded Leadership underbudget, \$469K Modern Minds overbudget, \$396K Midlands overbudget
Other operating revenue: \$320K MHA Upstream, (\$84K) New provider support underbudget and (\$44K) SC Ports Authority underbudget
Salaries and benefits: CFC Primary Care vacancies \$1M; Hampton Regional \$254K physician departure
Contractual services: \$198K Grace Internal Medicine underbudget, \$99K Carnes Crossroads Primary Care underbudget (business license fees)

Carolina Family Care, Inc.

Including Carolina Primary Care Physicians and MUSC Health Partners

Statement of Net Position**ASSETS**

	March 31, 2023	June 30, 2022	Variance
Current Assets:			
Cash and cash equivalents	\$ 1,681,428	\$ 4,144,560	\$ (2,463,132)
Receivables:			
Patient services - net of allowances for contractual adjustments and bad debt of \$6,837,184	2,300,879	2,744,362	(443,483)
Due from the Medical University of South Carolina	18,179	-	18,179
Due from the Medical University Hospital Authority	653,726	491,124	162,602
Due from MCP	578,820	593,319	(14,499)
Due from MUSC Health Alliance	261,636	524,839	(263,204)
Due from MSV	219,264	512,573	(293,308)
Lease receivable	20,127	20,127	-
Other current assets	2,522,293	333,534	2,188,760
Total Current Assets	8,256,352	9,364,439	(1,108,085)
Noncurrent assets:			
Capital assets:			
Furniture and equipment	1,608,959	1,608,959	-
Leasehold improvements	2,702,724	2,584,733	117,991
Computer software	46,563	46,563	-
Right of use assets	7,660,637	7,660,637	-
Accumulated depreciation and amortization	(4,684,911)	(3,825,545)	(859,366)
Lease receivable	55,767	65,725	(9,958)
Investment in partnerships	209,000	209,000	-
Total noncurrent assets	7,598,740	8,350,072	(751,333)
Total Assets	\$ 15,855,092	\$ 17,714,511	\$ (1,859,420)

Notes:*Cash and cash equivalents: Payment for UMA due to due from**Other current assets: variance due to Supplemental Medicaid accrual*

Carolina Family Care, Inc.

Including Carolina Primary Care Physicians and MUSC Health Partners

Statement of Net Position**LIABILITIES**

	March 31, 2023	June 30, 2022	Variance
Current Liabilities:			
Accounts payable	\$ 14,578	\$ 1,292,139	\$ 1,277,560
Accrued interest payable	4,348	4,538	190
Accrued payroll	542,958	830,227	287,269
Accrued payroll withholdings	1,188,651	957,998	(230,653)
Unapplied cash - patient services	2,526,869	407,201	(2,119,669)
Other accrued liabilities	935,450	448,795	(486,655)
Due to Medical University of South Carolina	76,735	30,397	(46,339)
Due to Medical University Hospital Authority	235,672	309,135	73,464
Due to MUHA - RHN / RHN Settlement	823,625	823,625	-
Due to UMA	2,674,303	6,922,849	4,248,545
Note Payable to UMA	756,003	756,003	-
Note Payable to MSV	426,198	408,169	(18,029)
Accrued compensated absences	455,271	460,956	5,685
Lease liability	1,285,664	1,285,664	-
Total current liabilities	11,946,325	14,937,694	2,991,368
Noncurrent Liabilities:			
Accrued compensated absences	384,152	384,152	-
Lease liability	4,403,022	5,014,563	611,541
Deferred inflows-leases	74,358	84,734	10,376
Total noncurrent liabilities	4,861,533	5,483,449	621,917
Total liabilities	16,807,858	20,421,143	3,613,285
NET POSITION	(952,766)	(2,706,632)	(1,753,866)
Total Liabilities, Inflows & Net Position	\$ 15,855,092	\$ 17,714,511	\$ 1,859,420

Notes:

Accounts payable: change in balance is due to the reversal of FY22 AP accruals of \$341K; Corporate credit card payable decrease of \$1.0M

Accrued payroll: \$123K caused by variance in biweekly accrual at FY22 YE vs. March 2023; reversal of \$164K FY22 year-end bonus accruals

Other accrued liabilities: change in balance includes FY23 medical supply accrual of (\$111K)

Carolina Family Care, Inc.
(Including Carolina Primary Care Physicians and MUSC Health Partners)
Statement of Revenues, Expenses and Changes in Net Position
For the 9 Month Period Ending - March 31, 2023

	Grace Internal Medicine	Other Entities	Carolina Family Care	CFC Total
	(1)	(2)	(3)	Sum of (1)-(3)
Operating revenues:				
Net clinical service revenue	973,292	710,491	19,566,397	21,250,179
Supplemental medicaid	-	-	2,400,000	2,400,000
Other operating revenue	-	349,532	3,414,610	3,764,142
Purchased services	-	4,664,489	570,332	5,234,821
Total operating revenues	973,292	5,724,511	25,951,339	32,649,142
Operating expenses:				
Salaries, wages and benefits	-	5,086,955	17,020,820	22,107,775
Supplies	56	65,286	2,154,822	2,220,164
Contractual services	864,519	367,136	920,538	2,152,194
Depreciation	-	-	227,143	227,143
Facility cost and equipment	83,685	119,556	1,688,018	1,891,259
Professional liability insurance	-	16,897	266,146	283,043
Meals and travel	-	26,566	8,345	34,911
Faculty and staff recruitment	-	133,560	12,457	146,017
MUSCP corporate shared services	19,466	-	1,814,896	1,834,362
Other expenses	-	44,971	(39,870)	5,101
Total operating expenses	967,726	5,860,927	24,073,315	30,901,967
Operating income (loss)	5,566	(136,416)	1,878,024	1,747,174
Operating margin	0.6%	(2.4%)	7.2%	5.4%
Nonoperating revenue (expenses):				
Investment income	-	162	70	232
Interest expense	-	(39,318)	-	(39,318)
Rental income	-	251	45,526	45,777
Total nonoperating revenue (expenses)	-	(38,905)	45,596	6,691
Change in net position	\$ 5,566	\$ (175,321)	\$ 1,923,620	\$ 1,753,866
Net margin	0.6%	(3.1%)	7.4%	5.4%

Notes:

(1) Funding from MSV Line of credit in the amount of \$0.4M has been received in FY21 and FY22; accumulated fund balance of (\$463K)

(2) Other non-Primary Care entities:

- \$320K MHA Upstream
- (\$230K) Mt Pleasant Community PM&R operating loss
- (\$118K) Corporate Executive costs operating loss
- (\$60K) Continuing Care Retirement Community
- (\$42K) Group Health deficit to be transferred to UMA
- Other column also includes the following entities which are fully funded: Tidelands Multispecialty, Hampton Regional, Modern Minds, Centerspace, MCP Leadership, MHA Staffing and MUHA Midlands

FY2022 MUSCP Due to/Due From
As of 3/31/23

	Outstanding	
	Balance	Notes
1. MUSCP/MUHA		
MUSCP due from MUHA	\$12,173,672	Mar recurring: \$7.7M Hospital Bill; \$2.1M Epic Collections; \$.7M Leadership costs; \$.4M Ambulatory; \$.2M Parkshore
MUSCP due to MUHA	(\$19,273,569)	Feb/Mar recurring: \$11.7M Epic Collections; \$1.5M IS costs; \$2.4M Ambulatory; \$1.4M Billing agreements; \$.3M Fiscal Services; \$.5M Rental Agreements; \$1.2M MUHA Net AR
Net Amount Due	(\$7,099,897)	
2. MUSCP/MUSC		
Net Amount Due	\$12,368,648	Balance consists of \$3.5M remaining FY22 STP accrual; \$8.0M grant salary reimbursement accrual; \$0.5M Rick Anderson Bridge Funding; \$0.4M rent/property leases
3. CFC/MUHA		
Net Amount Due	\$418,054	Balance consists of monthly recurring activity
4. CFC/MUHA - RHN		
Total RHN accounts-Due from (to) MUHA	(\$823,625)	Net Advance from MUHA for RHN expenses
5. CFC/MUSC		
Net Amount Due	(\$58,556)	Balance consists of monthly recurring activity
6. MHP/MUHA		
Net Amount Due	\$0	
7. MHP/MUSC		
Net Amount Due	\$0	
8. CFC/MSV		
Net Amount Due	\$219,264	Modern Minds billing
9. MUSCP/MSV		
UMA due from MSV	\$565,837	Portion of Modern Minds billing
10. MUSCP/MCP		
UMA due from MCP	\$866,543	Balance consists of Compliance, Physician Recruitment Services, and HCC Support.
11. CFC/MCP		
CFC/PCP due from MCP	\$578,820	Balance consists of MCP funded leadership

FY2023 MUSCP Consolidated Approved Unbudgeted Expenses
As of 3/31/23

Unbudgeted Capital Projects	Amount
Concierge Medicine	\$ 800,000
Nexton Ophthalmology	568,250
Park West Family Medicine Relocation	999,888
East Cooper Otolaryngology Expansion	500,000
Total	\$ 2,868,138
Unbudgeted Operating Expenses	Amount
Concierge Medicine	\$ 100,000
Northwoods Pediatrics Expansion	186,000
Total	\$ 286,000
Total FY23 Approved Unbudgeted Expenses	\$ 3,154,138

MEDICAL UNIVERSITY HOSPITAL AUTHORITY (MUHA) BOARD OF TRUSTEES
CONSENT AGENDA
May 19, 2023
101 Colcock Hall

Authority Operations, Quality, & Finance Committee: Dr. Murrell Smith, Chair

Consent Agenda for Approval

- Item 21. MUSC Health Charleston Division
Appointments, Reappointments, and Delineation of Privileges Dr. Carrie Herzke
Chief Medical Officer, MUHA
- Item 22. MUSC Health Regional Health Network (RHN)
Appointments, Reappointments, and Delineation of PrivilegesDr. Michael Foster
President, RHN Unified Medical Staff
- Item 23. 2023-2024 QAPI Plan for Approval Dr. Danielle Scheurer
Chief Quality Officer, MUSC Health

Consent Agenda for Information

- Item 24. MUSC Health Charleston Division MEC Minutes..... Dr. Carrie Herzke
Chief Medical Officer, MUHA
- Item 25. Contracts and Agreements Annette Drachman
General Counsel

MUHA and MUSC Physical Facilities Committee: Mr. Bill Bingham, Chair

Consent Agenda for Information

- Item 26. MUSC Facilities Contracts Awarded David Attard
Chief Facilities Officer, MUSC

Board of Trustees Credentialing Subcommittee April 2023

The Medical Executive Committee reviewed the following applicants on April 19, 2023
and recommends approval by the Board of Trustees Credentialing Subcommittee effective April 28, 2023

Medical Staff Initial Appointment and Clinical Privileges		
Rita Nanik Bakhru, M.D.	Active	Medicine
Edward Barton, M.D.	Active	Neurosurgery
John Michael Ciccone, M.D.	Active	Medicine
William C VanNess III, M.D.	Active	Neurosurgery
Arnold Peter Christoph Weiss, M.D.	Active	Orthopaedics
Asifhusen Abdulrahim Mansuri, M.D.	Active Provisional	Pediatrics
David R Schultz, D.O.	Active Provisional	Psychiatry
James Sierakowski, DO	Provisional Affiliate- Colleague- Other	Pediatrics
Medical Staff Reappointment and Clinical Privileges		
Joseph J. Benich III, M.D.	Active	Family Medicine
Badih Joseph Elmunzer, M.D.	Active	Medicine
Saeed Elojeimy, M.D.	Active	Radiology
Thomas Irving Epperson III, M.D.	Active	Anesthesiology
Karen Brian Fernandez, M.D.	Active	Ophthalmology
Langdon All Hartsock, M.D.	Active	Orthopaedics
Keri Theresa Holmes-Maybank, M.D.	Active	Medicine
Stephen Paul Kalhorn, M.D.	Active	Neurosurgery
Harsha Karanchi, M.D.	Active	Medicine
Gweneth Bratton Lazenby, M.D.	Active	Obstetrics & Gynecology
Kathy Lynae Lehman-Huskamp, M.D.	Active	Pediatrics
James Eugene Madory, D.O.	Active	Pathology & Lab. Med.
Ted Albert Meyer, M.D.	Active	Otolaryngology
Krishna Gwynne Patel, M.D.	Active	Otolaryngology
Mae Millicent Winfrey Peterseim, M.D.	Active	Ophthalmology
Michelle Sher Rovner, M.D.	Active	Anesthesiology
Ashlyn Holstein Savage, M.D.	Active	Obstetrics & Gynecology
Laura Simmons Spruill, M.D.	Active	Pathology & Lab. Med.
William David Stoll, M.D.	Active	Anesthesiology
Christian John Streck Jr., M.D.	Active	Surgery
Abhay Kumar Varma, M.B.B.S	Active	Neurosurgery
Joseph Richard Whiteley, D.O.	Active	Anesthesiology
Yosra Mohamed Ahmed Alkabab, M.D.	Active Provisional	Medicine
Austin M. Hahn, Ph.D.	Active Provisional	Psychiatry
Cane Franklin Hoffman, M.D.	Active Provisional	Radiology
John Fred Johnson, M.D.	Active Provisional	Orthopaedics
John Vincent Pastore, MD	Active Provisional	Pediatrics
George Robert Richardson III, M.D.	Active Provisional	Orthopaedics
Anne Schiller Flynn, M.D.	Affiliate	Pathology & Lab. Med.
Marcelo L.J. Hochman, M.D.	Affiliate	Otolaryngology
Jessica Jordan Hund, M.D.	Affiliate CFC - Colleague	Family Medicine
Medical Staff Reappointment and Change in Clinical Privileges		

None		
Medical Staff Change in Privileges		
Langdon All Hartsock, M.D.	Active	Orthopaedics
Mark Joseph Siegel, M.D.	Active	Dermatology
Frank Richard Voss, M.D.	Active Provisional	Orthopaedics
Joseph Angel Rodrigo, D.O.	Affiliate- Colleague- Other	Anesthesiology
Maureen Alice Tumolo, M.D.	Provisional Affiliate- Colleague- Other	Medicine
Professional Staff Initial Appointment and Clinical Privileges		
Taryn Nicole Bentler, P.A.	Allied Health	Otolaryngology
Dana Lynn Cundiff, F.N.P.	Allied Health	Otolaryngology
Cameron Brooke Santana Levin, AGAC-NP	Allied Health	Neurosurgery
Samantha Silsbee, M.P.A.S.	Allied Health	Medicine
Melinda Hope Whetsell, M.S.	Allied Health	Pediatrics
Dana Foster McAfee, D.N.P.	Allied Health CFC	Family Medicine
Grace Carlisle Huggins, P.A.	Allied Health- Colleague- Other	Pediatrics
Kristen Carter Cole, MSN	Provisional Allied Health	Department of Nursing
Grace McCrary Cox, LISW-CP	Provisional Allied Health	Psychiatry
Anthony W Finke, LPC	Provisional Allied Health	Psychiatry
Teresa Frohman, P.A.	Provisional Allied Health	Neurology
Alexandra Mae Potts, D.N.P.	Provisional Allied Health	Department of Nursing
Robin Amanda Secrist, A.P.R.N.	Provisional Allied Health	Psychiatry
Christina Marie Tepatti, A.P.R.N.	Provisional Allied Health	Medicine
Professional Staff Reappointment and Clinical Privileges		
Pamela E. Arnold, A.P.R.N.	Allied Health	Medicine
Lindsey Leigh Bilger, P.A.	Allied Health	Medicine
Frederick Thomas Fehl, CPO	Allied Health	Orthopaedics
Cassie Carroll Frazier, D.N.P.	Allied Health	Medicine
Jennifer Hirschert, MSN	Allied Health	Obstetrics & Gynecology
Gina Lynn Hogg, P.A.C.	Allied Health	Medicine
Tamatha M. Huneycutt, D.N.P.	Allied Health	Pediatrics
Kelly Marie Hylton, F.N.P.	Allied Health	Medicine
Kathryn Adele Lanter, MSN	Allied Health	Medicine
Jaclyn A Makovich, R.D.	Allied Health	MUHA Dietetic Services
Jessica Lynn McBride, FNP	Allied Health	Family Medicine
Laura Williams Myers, N.N.P.	Allied Health	Pediatrics
Hannah Ponder Nester, F.N.P.	Allied Health	Family Medicine
Karen Doll Pearce, M.S.N.	Allied Health	Family Medicine
Jean L Peng, Ph.D.	Allied Health	Radiation Oncology
Cynthia Sue Plutro, M.S.W.	Allied Health	Psychiatry
Elizabeth Riddle, M.S.W.	Allied Health	Psychiatry
Daniel William Smith, Ph.D.	Allied Health	Psychiatry
Nanette Susan Stafford, C.R.N.A.	Allied Health	Anesthesiology
Erin Marie Stein, W.H.N.P.	Allied Health	Obstetrics & Gynecology
Erin Rae Straughan, C.R.N.A.	Allied Health	Anesthesiology
Joe Paul Turner Jr., A.N.P.	Allied Health	Urology

Mary Jo Turner, R.D.	Allied Health	MUHA Dietetic Services
Jennifer Ann Mills Warthen, M.S.W.	Allied Health	Psychiatry
Anne Marie Webster, P.N.P.	Allied Health	Pediatrics
Hayley Kristine Atkins, P.A.	Provisional Allied Health	Urology
Shemika Lachelle Champion, A.P.R.N.	Provisional Allied Health	Pediatrics
James Matthew Dilleshaw, F.N.P.	Provisional Allied Health	Family Medicine
Mary Leigh Goodman, A.P.R.N.	Provisional Allied Health	Medicine
Anna June Kingrey, A.P.R.N.	Provisional Allied Health	Neurosurgery
Nadine Landry LaVassar, A.P.R.N.	Provisional Allied Health	Neurosurgery
Megan Elizabeth Philyaw, N.N.P.	Provisional Allied Health	Pediatrics
Anthony Duane Poole, P.A.C.	Provisional Allied Health	Family Medicine
Katelin Mayrie Quigley, P.A.C.	Provisional Allied Health	Psychiatry
Sonam Rama, P.A.C.	Provisional Allied Health	Otolaryngology
Emma Catherine Ricciardone, D.N.P.	Provisional Allied Health	Orthopaedics
Ashley Easler Wing, F.N.P.	Provisional Allied Health	Family Medicine
Professional Staff Reappointment and Change in Privileges		
None		
Professional Staff Change in Privileges		
Emily Elizabeth Kelley, P.A.	Provisional Allied Health	Surgery
END		

MUSC - Florence Credentialing Applications - April 18, 2023			
Practitioner name	Practice Name	Specialty	Status Requesting
Initial Appointment and Clinical Privileges			
Claudia Venable, MD	MUSC Florence	Anesthesia	Active
Melissa Parrent, NP	MUSC Florence	Hospitalist	Allied Health
Hannah Pettigrew, CRNA	MUSC Florence	Anesthesia	Allied Health
Nicole Lynn Sloan, PA	MUSC Florence	Hospitalist	Allied Health
Jordan Sauls, NP	MUSC Florence	Emergency Medicine	Allied Health
Dhruv Panchal, M.D.	MUSC Florence	IM/Hospitalist	Active
Reappointment and Clinical Privileges			
Bamidele A. Ajibola MD	MUSC Florence	IM/Hospitalist	Active
Richard Bryant, DMD	MUSC Florence	DMD	Consulting
Bruce E. Burner, Sr., MD	MUSC Florence	EMM	Active
Anu Chaudhry, MD	MUSC Florence	OB-GYN	Active
Stephen Dersch, MD	MUSC Florence	Family Medicine/Hospitalist	Active
Willie Stanley Edwards, Jr. MD	MUSC Florence	Orthopaedic Surgery	Active
Brian Evans, MD	MUSC Florence	Urology	Active
Emily Lauren Hamilton, MD	MUSC Florence	Neonatology	Active
Brian Hannah, MD	MUSC Florence	Family Medicine	Active
Shahzad Hassan, MD	MUSC Florence	IM/Hospitalist	Active
Harry A. Jordan, Jr., MD	MUSC Florence	Internal Medicine	Active
Misty Lee, DPM	MUSC Florence	Podiatry	Consulting
Bryan May, MD	MUSC Florence	Anesthesiology	Active
Heather McCown, MD	MUSC Florence	Dermatology	Courtesy
Byron Navey, PhD	MUSC Florence	Clinical Psychology	Allied Health
Pongstorn Pitiranggon MD	MUSC Florence	Nephrology	Active
Bradley Stokes Russell, MD	MUSC Florence	Emergency Medicine	Active
David Steflik, MD	MUSC Florence	Pediatrics	Active
Katherina Tillan-Hsia, MD	MUSC Florence	IM/Hospitalist	Active
Telemedicine Status: Telemedicine - By Proxy			
Anup Bhushan, MD	MUSC Florence	By-Proxy Tele-Palliative Care (MUSC)	Initial - By Proxy
Lidia Bastos Conforto Yamada MD	MUSC Florence	By-Proxy Tele-Neuro-Stroke (MUSC)	Initial - By Proxy
Mary B. Gallagher, NP	MUSC Florence	By-Proxy Tele-Palliative Care(MUSC)	Reappointment - By Proxy
Christopher Pelic, MD	MUSC Florence	Tele-Psychiatry (MUSC)	Reappointment - By Proxy
Keith Alan Sanders, MD	MUSC Florence	Tele-Neurology (MUSC)	Reappointment - By Proxy
Christine Frances Tolbert, MD	MUSC Florence	Tele-Psychiatry (MUSC)	Reappointment - By Proxy
MUSC - Marion Credentialing Applications - April 18, 2023			
Initial Appointment and Clinical Privileges			
Melissa Parrent, NP	MUSC Marion	Hospitalist	Allied Health
Hannah Pettigrew, CRNA	MUSC Marion	Anesthesia	Allied Health
Nicole Lynn Sloan, PA	MUSC Marion	Hospitalist	Allied Health
Jordan Sauls, NP	MUSC Marion	Emergency Medicine	Allied Health
Nathan Dail, CRNA	MUSC Marion	CRNA	Allied Health
Dhruv Panchal, M.D.	MUSC Marion	IM/Hospitalist	Active
Reappointment and Clinical Privileges			
Ryan Embertson, MD	MUSC Marion	Radiology (CRA-Myrtle Beach)	Active
Jean-Martin Gingras, MD	MUSC Marion	Radiology (CRA-Myrtle Beach)	Active
Christopher Durst, MD	MUSC Marion	Radiology (CRA-Myrtle Beach)	Active
Steven Halus, MD	MUSC Marion	Emergency Medicine	Active
Kenneth Staples, MD	MUSC Marion	Emergency Medicine	Active
Stuart Ava Smith, MD	MUSC Marion	Emergency Medicine	Active
Brian Orr, MD	MUSC Marion	OB-GYN	Active
Devan Sheth, MD	MUSC Marion	IM-Hospitalist	Active
Daniel Skipper, DO	MUSC Marion	Pathology	Consulting
Jessica Wiggins, PA	MUSC Marion	Emergency Medicine	Allied Health

Practitioner name	Practice Name	Specialty	Status Requesting
MUSC - Marion Credentialing Applications - April 18, 2023			
Telemedicine Status : Telemedicine - By Proxy			
Lidia Bastos Conforto Yamada MD	MUSC Marion	By-Proxy Tele-Neuro-Stroke	Initial
Anup Bhushan, MD	MUSC Marion	By-Proxy Tele-Palliative Care	Reappointment
Mary B. Gallagher, NP	MUSC Marion	By-Proxy Tele-Palliative Care	Reappointment
Christopher Pelic, MD	MUSC Marion	Tele-Psychiatry (MUSC)	Reappointment
Keith Alan Sanders, MD	MUSC Marion	Tele-Neurology	Reappointment
Christine Frances Tolbert, MD	MUSC Marion	Tele-Psychiatry (MUSC)	Reappointment
Julio Chalela, MD	MUSC Marion	Tele-Neurology-Stroke	Reappointment
Christine Holmstedt, MD	MUSC Marion	Tele-Neurology-Stroke	Reappointment
MUSC - Black River Credentialing Applications - April 18, 2023			
Initial Appointment and Clinical Privileges Status : Active			
Nicole Lynn Sloan, PA	MUSC BRMC	Hospitalist	Allied Health
Jordan Sauls, NP	MUSC BRMC	Emergency Medicine	Allied Health
William Chu, MD	MUSC BRMC	Radiology	Consulting
W. Shawn Conwell, MD	MUSC BRMC	Radiology	Consulting
Kevin John Baker, MD	MUSC BRMC	IM/Hospitalist	Active
Emily Helen Reams, MD	MUSC BRMC	IM/Hospitalist	Active
Roger Pons, MD	MUSC BRMC	IM/Hospitalist	Active
Paul David Hess , NP	MUSC BRMC	Emergency Medicine	Allied Health
Kelly Ann Lovett, NP	MUSC BRMC	Hospitalist	Allied Health
Joshua Knight, MD	MUSC BRMC	Radiology	Consulting
Telemedicine Status : Telemedicine - By Proxy - Initial Appointment			
Lidia Bastos Conforto Yamada MD	MUSC BRMC	By-Proxy Tele-Neuro-Stroke	By-Proxy
Ngozi Patricia Nnadi, MD	MUSC BRMC	By-Proxy Tele-Psychiatry SCDMH	By-Proxy
Andrew Rutledge MD	MUSC BRMC	Tele-Neuro-Stroke	By-Proxy
Joshua Ryan Arenth MD	MUSC BRMC	Tele-Pediatric Critical Care	By-Proxy
Chirantan Banerjee, MD	MUSC BRMC	Tele-Neuro-Stroke	By-Proxy
Xavier Belcher, MD	MUSC BRMC	Tele-Psychiatry	By-Proxy
Anup Bhushan MD	MUSC BRMC	Tele-Palliative Care	By-Proxy
Austin Biggs, MD	MUSC BRMC	Tele-Pediatric Critical Care	By-Proxy
Laura Bishop DO	MUSC BRMC	Tele-Neuro-Stroke	By-Proxy
Joshua Brown, MD	MUSC BRMC	Tele-Neuro-Stroke	By-Proxy
Chirantan Banerjee, MD	MUSC BRMC	Tele-Psychiatry SCDMH	By-Proxy
TaCorey Sanchez Campbell, MD	MUSC BRMC	Tele-Pediatric Critical Care	By-Proxy
Joseph Cantey, MD	MUSC BRMC	Tele-Infectious Disease	By-Proxy
James Claytor, MD	MUSC BRMC	Tele-Psychiatry SCDMH	By-Proxy
Gregory Compton, MD	MUSC BRMC	Tele-Palliative Care	By-Proxy
Melissa Campbell Evans MD	MUSC BRMC	Tele-Pediatric Critical Care	By-Proxy
Emily Jones Cullen MD	MUSC BRMC	Tele-Psychiatry SCDMH	By-Proxy
Mary Bernadette Gallagher, MD	MUSC BRMC	Tele-Palliative Care	By-Proxy
Alyssa Ashley Gitter, NP	MUSC BRMC	Tele-Infectious Disease	By-Proxy
Ezequiel L Gleichagerrcht MD	MUSC BRMC	Tele-Neuro-Stroke	By-Proxy
Parneet K Grewal, MD	MUSC BRMC	Tele-Neuro-Stroke	By-Proxy
Shalika Whig Guram, MD	MUSC BRMC	Tele-Psychiatry SCDMH	By-Proxy
D Walter Hiott, MD	MUSC BRMC	Tele-Psychiatry SCDMH	By-Proxy
Christine Ann Holmstedt, DO	MUSC BRMC	Tele-Neuro-Stroke	By-Proxy
Scott Douglas Hurley, NP	MUSC BRMC	Tele-Palliative Care	By-Proxy
Amy Eileen Jones, MD	MUSC BRMC	Tele-Psychiatry SCDMH	By-Proxy
Niren Kapoor, MD	MUSC BRMC	Tele-Neuro-Stroke	By-Proxy
Kimberly P Kicielski, MD	MUSC BRMC	Tele-Aneurysm	By-Proxy
Carlene Kingston, MD	MUSC BRMC	Tele-Neuro-Stroke	By-Proxy
Sarah Suzanne Kuhn, MD	MUSC BRMC	Tele-Psychiatry SCDMH	By-Proxy

Practitioner name	Practice Name	Specialty	Status Requesting
MUSC - Black River Credentialing Applications - April 18, 2023			
Katherine Kyle, NP	MUSC BRMC	Tele-Palliative Care	By-Proxy
Alain Z. Lekoubou Looti, MD	MUSC BRMC	Tele-Neuro-Stroke	By-Proxy
Jonathan Ross Lena, MD	MUSC BRMC	Tele-Aneurysm	By-Proxy
Melanie Anne Lobel, MD	MUSC BRMC	Tele-Psychiatry - MUSC	By-Proxy
Forrest Justin Lowe, MD	MUSC BRMC	Tele-Neuro-Stroke	By-Proxy
RicharRobert Lueking, MD	MUSC BRMC	Tele-Infectious Disease	By-Proxy
Elizabeth Rose MackDiaz, MD	MUSC BRMC	Tele-Pediatric Critical Care	By-Proxy
Elizabeth Hayes Mack, MD	MUSC BRMC	Tele-Pediatric Critical Care	By-Proxy
Jason John Mady, MD	MUSC BRMC	Tele-Neuro-Stroke	By-Proxy
Dale Eugene Marko, MD	MUSC BRMC	Tele-Psychiatry - SCDMH	By-Proxy
Whitney Erin Marvin, MD	MUSC BRMC	Tele-Pediatric Critical Care	By-Proxy
Kelly Suzanne Matmati, MD	MUSC BRMC	Tele-Neuro-Stroke	By-Proxy
John Ernest McKinnon, MD	MUSC BRMC	Tele-Infectious Disease	By-Proxy
Patricia Meiers, NP	MUSC BRMC	Tele-Pediatric Critical Care	By-Proxy
Rustin Meister MD	MUSC BRMC	Tele-Pediatric Critical Care	By-Proxy
Alexander Mills, MD	MUSC BRMC	Tele-Infectious Disease	By-Proxy
Ghada A. Ahmed Mohamed MD	MUSC BRMC	Tele-Neuro-Stroke	By-Proxy
Shelly Dawn Ozark, MD	MUSC BRMC	Tele-Neuro-Stroke	By-Proxy
Luz E Pacheco, MD	MUSC BRMC	Tele-Psychiatry SCDMH	By-Proxy
Christopher Pelic MD	MUSC BRMC	Tele-Psychiatry MUSC	By-Proxy
Benjamin Potter, MD	MUSC BRMC	Tele-Psychiatry SCDMH	By-Proxy
Ervin Prewett II MD	MUSC BRMC	Tele-Psychiatry SCDMH	By-Proxy
Brenda K Myers Ratliff, MD	MUSC BRMC	Tele-Psychiatry SCDMH	By-Proxy
Vijay Renga, MD	MUSC BRMC	Tele-Neuro-Stroke	By-Proxy
Cassandra D Salgado, MD	MUSC BRMC	Tele-Infectious Disease	By-Proxy
Keith Alan Sanders, MD	MUSC BRMC	Tele-Neuro-Stroke	By-Proxy
Sara Rhodes Proctor Short MD	MUSC BRMC	Tele-Pediatric Critical Care	By-Proxy
Jaclyn Leigh Sligar, MD	MUSC BRMC	Tele-Psychiatry SCDMH	By-Proxy
Gregory Eschol Smith, MD	MUSC BRMC	Tele-Psychiatry SCDMH	By-Proxy
Danuel Keith Snelgrove, MD	MUSC BRMC	Tele-Neuro-Stroke	By-Proxy
Alejandro M Spiotta, MD	MUSC BRMC	Tele-Aneurysm	By-Proxy
Mary Elizabeth Stoermann DO	MUSC BRMC	Tele-Psych MUSC	By-Proxy
Jimmy Suh, MD	MUSC BRMC	Tele-Neuro-Stroke	By-Proxy
Charles Spencer Teixeira DO	MUSC BRMC	Tele-Infectious Disease	By-Proxy
Christina Frances Tolbert MD	MUSC BRMC	Tele-Psychiatry MUSC	By-Proxy
Ashley Wabnitz, MD	MUSC BRMC	Tele-Neuro-Stroke	By-Proxy
Alice Aileen Waltz, MD	MUSC BRMC	Tele-Neuro-Stroke	By-Proxy
Sally Ann Webb, MD	MUSC BRMC	Tele-Pediatric Critical Care	By-Proxy
Alton Cleotha Williams, III. MD	MUSC BRMC	Tele-Psych SCDMH	By-Proxy
Katelin Jean Williamson MD	MUSC BRMC	Tele-Psych SCDMH	By-Proxy
Elizabeth E Zivick, MD	MUSC BRMC	Tele-Pediatric Critical Care	By-Proxy
Sami Al Kasab, MD	MUSC BRMC	Tele-Neuro-Stroke	By-Proxy
Brittany Beth Albright, MD	MUSC BRMC	Tele-Psychiatry SCDMH	By-Proxy
Eyad Almallouhi MD	MUSC BRMC	Tele-Neuro-Stroke	By-Proxy
Sonal Bhatia, MD	MUSC BRMC	Tele-EEG	By-Proxy
Jonathan Jacob Halford, MD	MUSC BRMC	Tele-EEG	By-Proxy
Ekrem Kutluay, M.D.	MUSC BRMC	Tele-EEG	By-Proxy
Dalia Lewis, MD	MUSC BRMC	Tele-EEG	By-Proxy
Aleta Marie McGough, MD	MUSC BRMC	Tele-Psychiatry SCDMH	By-Proxy
Sarah Elizabeth Schmitt, MD	MUSC BRMC	Tele-EEG	By-Proxy
Marianna G. B. Szuchmacher MD	MUSC BRMC	Tele-EEG	By-Proxy
Daniel James Venancio PA	MUSC BRMC	Emergency Medicine	By-Proxy
Charles Martin Andrews, MD	MUSC BRMC	Tele-Neuro-Stroke	By-Proxy
Julio Chalela MD	MUSC BRMC	Tele-Neuro-Stroke	By-Proxy
Elizabeth Burguires MD	MUSC BRMC	Tele-Psychiatry SCDMH	By-Proxy

Practitioner name	Practice Name	Specialty	Status Requesting
MUSC LANCASTER - Credentialing Agenda - April 18, 2023			
Initial Appointment and Clinical Privileges Status: Active			
Jada Suthard Simpson, F.N.P.	MUSC General Surgery	General Surgery	AHP
Initial Appointment and Clinical Privileges Status: Courtesy			
Bryce Jacob Busenlehner, M.D.	Ark Staffing	Anesthesiology	Courtesy
Matthew M. Finneran, M.D.	MUSC Florence	OB/GYN	Courtesy
Thomas Clinton Key, Jr., M.D.	Weatherby Healthcare	OB/GYN	Courtesy
Initial Telemedicine Status: Telemedicine - By Proxy			
George Benjamin Carter, M.D.	MUSC Telehealth	Critical Care	Telemed- By Proxy
Lidia Bastos Yamada, M.D..	MUSC Telehealth	Stroke/Neuro	Telemed- By Proxy
Daniel Venancio, P.A.	MUSC Telehealth	Critical Care	Telemed- By Proxy
Reappointment and Clinical Privileges			
Ifediora F. Afulukwe, M.D.	Heath Springs Med	Pulmonology/CC	
Mary Beth L. Carey, M.D.	Carolina Radiology	Radiology	
David D. Arrington, M.D.	Carolina Radiology	Radiology	
Joshua Leighton, M.D.	Carolina Radiology	Radiology	
William O. Chu, M.D.	Carolina Radiology	Radiology	
Austin T. Cunningham, M.D.	Carolina Radiology	Tele-Radiology	Telemed
Paul Diegidio, M.D.	South Charlotte Plastic Surgery	Plastic Surgery	Consulting
Wenting Han, CRNA	MUSC Anesthesia	CRNA	
Jalal S. Kablan, CRNA	MUSC Anesthesia	CRNA	
MUSC CHESTER - Credentialing Applications - April 18, 2023			
Initial Appointment and Clinical Privileges Status: Allied Health Practitioner			
Lindsey E. Crofford, FNP-BC	MUSC - Lowry's	Family Medicine	AHP
Lynn Carol Davis, FNP-BC	Core Clinical	Hospitalist	AHP
Grover Cruise, C.R.N.A.	MedStream Anesthesia	CRNA	AHP
Reappointment and Clinical Privileges Status: Active			
Daniel Ray Crow, M.D.	Core Clinical	Hospitalist/EM	Active
Romin Bharat Shah, M.D.	Core Clinical	Hospitalist	Active
Garrett Colton Kent, M.D.	MUSC - Great Falls	Family Medicine	Active
Siddharth Malhotra, M.D.		General Surgery	Active
Joshua Dee Tavernier, M.D.	Carolina Radiology	Radiology	Active
Douglas L. Tiedt, M.D.	MUSC Womens Health	Gynecology	Active–Amb. Rural Health
Reappointment and Clinical Privileges Status: Allied Health Practitioner			
David Lee Demby, F.N.P.	Healogics	Wound Care	AHP
Ashley L. Robinson, C.R.N.A.	MedStream Anesthesia	CRNA	AHP
Reappointment and Clinical Privileges Status: Consulting			
Lidia Bastos Yamada, M.D..	MUSC Telehealth	Stroke/Neuro	Telemed- By Proxy
Brian William Thurber, M.D.	Carolina Radiology	Tele-Radiology	Consulting
Brittany Beth Albright, M.D.	SC DMH	Tele-Psychiatry	TeleMed By Proxy
MUSC Columbia - Credentialing Applications -April, 2023			
Initial Appointment and Clinical Privileges Status: Active			
Baluh, Cheryl, CRNA	MUSC Health Columbia Anesthesiology	Anesthesiology	AHP
Bristow, Walter, MD	Columbia Gastroenterology	Gastroenterology	Active
Carter, George, MD	Hicuity	Tele-ICU	By Proxy
Falkowitz, Jamie DO	MUSC Health Emergency Medicine	Emergency Medicine	Active
Fish, Daniel, MD	MUSC Charleston	Telepsychiatry-MD/DO	Proxy
Galan, Jorge, MD	Columbia Gastroenterology	Gastroenterology	Active
Kimborough, Edward, MD	Columbia Gastroenterology	Gastroenterology	Active
Livingston, Katie, NP	Columbia Gastroenterology	Gastroenterology	AHP
Lowman, Anthony, MD	Columbia Gastroenterology	Gastroenterology	Active
Mann, James, MD	Columbia Gastroenterology	Gastroenterology	Active
McCarron, David, MD	Apogee Physicians	Hospitalist	Active
Patel, Kishor, PA	Apogee Physicians	Hospitalist	AHP
Postic, Georges, MD	Columbia Gastroenterology	Gastroenterology	Active
Robinson, Trevor, MD	MUSC Health Emergency Medicine	Emergency Medicine	Active
Warne, Dawn, CRNA	MUSC Health Columbia Anesthesiology	Anesthesiology	AHP

Practitioner name	Practice Name	Specialty	Status Requesting
Reappointment and Clinical Privileges			
Aspey, Bradley, MD	Midlands Orthopedics	Orthopedic Surgery	Courtesy
Basnyat, Rose, MD	Apogee Physicians	Hospitalist	Active
Bryan, Beau, MD	Beau Bryan Clinic	Ophtalmology	Consulting
Caudle, Susan, PA	MUSC Health Heart & Vascular	Cardiology	AHP
Clary, Matthew, MD	The Eye Center	Ophtalmology	Consulting
Davis, Donen, MD	Donen Davis Plastic Surgery	Plastic Surgery	Consulting
Huff, Robert, MD	The Eye Center	Ophtalmology	Consulting
Keiner, Kathleen, PA	MUSC Health Columbia	Critical Care-Pulmonology	AHP
Madey, Jason, MD	MUSC Health Charleson	Neurology	AHP
Platt, Lucas, DO	The Eye Center	Ophtalmology	Consulting
Quinn, Allison, MD	MUSC Health Emergency Medicine	Emergency Medicine	Active
Simonovich, Liubou, PA	Apogee Physicians	Hospitalist	AHP
Slife, Ryan, MD	MUSC Health Emergency Medicine	Emergency Medicine	Active
Sutton, John, MD	MJSC Health Columbia	Thoracic and Cardiac Surgery	Active
Volpe, Cynthia, MD	Eye Physicians and Surgeons	Ophtalmology	Consulting
Wasserman, Richard, MD	Plastic Surgery Consultants	Plastic Surgery	Consulting
Zurcher, Robert, MD	MJSC Health Columbia	Thoracic and Cardiac Surgery	Active
Proctoring			
Bidwell, Katrina, MD	MUSC Health Heart & Vascular	Cardiology	Active
Bidwell, Katrina, MD	MUSC Health Heart & Vascular	Cardiology	Active
MUSC Kershaw - Credentialing Applications - April, 2023			
Initial Appointment and Clinical Privileges Status: Active			
George Carter MD	Hicity	Tele-ICU	By Proxy
Nyala Edwards PA	MUSC Health Kershaw	Emergency Medicine	Active AHP
Paul Hess NP	Locums Tenens	Emergency Medicine	Active AHP
David Moore PA	Locums Choice	Emergency Medicine	Active AHP
Reappointment and Clinical Privileges			
Fritz Basile DO	MUSC Health Kershaw (ED)	Emergency Medicine	Active
Charles Bruker MD	Professional Pathology Services	Pathology	Courtesy
Charles Hildebrand DO	Apogee Physicians	Internal Medicine	Active
Emily Huggins MD	Apogee Physicians	Internal Medicine	Active
Carter Killion MD	MUSC Health Kershaw (ED)	Emergency Medicine	Active
Jennifer Othersen MD	Apogee Physicians	Internal Medicine	Courtesy
Shalini Ratnagiri MD	Apogee Physicians	Internal Medicine	Active
Robert Razick MD	MUSC Health Kershaw (ED)	Emergency Medicine	Active
Zaid Shmaisani MD	Apogee Physicians	Internal Medicine	Active
Caitlin Tidwell MD	MUSC Health Kershaw (ED)	Emergency Medicine	Active
Colin Widener MD	Apogee Physicians	Internal Medicine	Active



MUSC Health

QUALITY AND PERFORMANCE

IMPROVEMENT (QAPI) PLAN

2023 - 2024

OVERVIEW:

The Medical University of South Carolina Health System (MUSC Health) is committed to fostering an environment that promotes high quality care in all its domains: safe, timely, effective, equitable, efficient, and patient centered, in all locations of care. This commitment has developed into an institutional strategy that aligns governance, managerial and clinical support functions and personnel to continually assess our performance and proactively identify opportunities for enhancing quality and safety.

MUSC is comprised of 6 Colleges, MUSC-Physicians (practice plan), the MUSC Medical Center (or Medical University Hospital Authority, MUHA), 7 community hospitals, joint ventures, and affiliate partners. The MUSC Health clinical enterprise consists of all entities that are directly related to providing patient care.

This Quality and Performance Improvement (QAPI) Plan establishes the framework and structure for continually and systematically planning, designing, measuring, assessing and improving performance of system-wide key functions and processes that support high quality and safe patient care within the MUSC Health clinical enterprise. Central components of this network are as follows:

- Incorporate quality and safety planning throughout the enterprise;
- Create an organizational structure that allows units to integrate their improvement efforts and collaborate across unit and departmental boundaries;
- Communicate improvement efforts throughout the enterprise to foster institutional learning and encourage innovation and problem-solving at the unit level;
- Assure project prioritization, process design and redesign are consistent with the mission, vision and values;
- Foster institutional self-assessment exercises that benchmark our performance against best practices in all facets of quality and safety;
- Promote evidence-based practice and high value care in all we do;
- Integrate error reduction and reliability procedures in all healthcare processes;
- Integrate the utilization of performance improvement principles in the daily activities of the work place;
- Integrate the principles of High Reliability in all we do;
- Continuously enhance a Culture of Safety (Just Culture, Learning Culture, and Reporting Culture), continuous learning, and leadership engagement in all areas (components of High Reliability; Appendix B);
- Link the education of our students, trainees, and care team members to the science of quality and safety;
- Foster and support innovative approaches to enhance quality and safety;
- Enhance interprofessional team training and team work;
- Foster patient engagement as a safety strategy;
- Encourage provider wellness and safety programs as a safety strategy;
- Foster research and implementation science that critically examines how to improve quality and safety.

MUSC Health GOALS:

Strategic Goal:

We will be South Carolina's most preferred integrated health system

Operational Goals:

Service: Serving the public with compassion, respect, and excellence

People: Fostering team pride and loyalty

Quality and Safety: Providing high quality and highly reliable patient care across all domains

Finance: Providing the highest value to patients while ensuring financial stability

Growth: Growing to meet the needs of those we serve

Innovation: Developing new ideas and practices

MISSION STATEMENTS:

The MUSC mission statement: We preserve and optimize human life in South Carolina and beyond through education, research, and patient care.

The Quality mission statement: Use evidence-based practice, high reliability techniques, and innovation to ensure the highest value care for every patient.

VISION STATEMENTS:

The MUSC vision statement: Leading health innovation for the lives we touch

The Quality vision statement: Through influence and leadership, inspire the MUSC community to believe and achieve the highest value care for every patient

ORGANIZATIONAL VALUES:

The clinical enterprise relies upon a core set of values to achieve its stated mission. These values are as follows:

***Compassion
Teamwork
Diversity
Accountability
Innovation***

QUALITY DEFINITION:

The clinical enterprise adopts the Institute of Medicine's definition of quality which is "the degree to which health services for individuals and populations increase the likelihood of desired health outcomes and are consistent with current professional knowledge". All domains of quality as noted by the IOM are adopted: safe, timely, effective, efficient, equitable, and patient-centered.

ORGANIZATIONAL QUALITY REVIEW GOVERNANCE:

Quality and Safety is an interdisciplinary structure that drives and coordinates all improvement activities of the domains of quality within the enterprise. This structure represents a systematic organization-wide approach to planning for quality results. Through various committees and communication channels, improvement efforts are identified, prioritized, and quantified.

In general, there are two types of performance improvement projects. The first are the large-scale, organization-wide performance improvement projects. These projects are initiated by senior management to support key strategic and operational objectives. The second types of projects are the smaller-scale, service projects. These smaller projects are initiated from within any component of the organization and are reported in the component's operational committees. When organization-wide projects are launched or completed, project milestones are approved by the Quality Oversight Committee (QOC), comprised of ICCE, divisional, and senior leadership. Project progress is monitored/reported to the Quality IMPROVE committee, comprised of leaders from quality, performance improvement, ICCE units, and strategic partners.

The QOC agenda is separated into 4 sections:

1. Event Reviews / IMPROVE projects
2. Hospital/division, nursing home, and ACO QAPI
3. Co-branding and Joint Venture QAPI
4. System ICCE/area QAPI
5. Health system quality reports

6. Consent agenda

Event Reviews / IMPROVE projects

All significant events are investigated by MUSC Health risk-safety team, by means of a thorough and credible Root Cause Analysis (RCA) to determine whether the events are deemed a sentinel or serious safety event as defined in MUHA policy C-49. All event action plans are reviewed and approved by both the MOC. All action plans are assigned a champion, a process owner, and a performance improvement facilitator. The champion is expected to eliminate barriers in the implementation of the remedy. The process owner is expected to lead the team. The facilitator is expected to assist the process owner in adhering to the IMPROVE format (Appendix A). IMPROVE projects are focused performance improvement projects that follow our IMPROVE methodology, which are identified by:

- Patients and families - Through complaints, comments or patient satisfaction surveys.
- Care team members at all levels - Through voluntarily occurrence reports (patient safety intelligence), from representatives on quality committee, culture of safety survey or employee engagement survey.
- Senior Leadership – When performance on goals falls below target
- External Benchmarks – From review of quality / safety benchmark reports from external agencies or registries
- Regulatory Agencies and Healthcare Payors - The Joint Commission, Center for Medicare and Medicaid Services, Department of Health and Environmental Control, and other Health Care Payors.

Before a project can become a formal IMPROVE project, it is brought before the Quality IMPROVE committee and approved as a project. This is done to ensure interdisciplinary assessment of the project in order to properly assign resources and expectations of completions. All projects are assigned a champion, a process owner, and a qualified facilitator.

QAPI Reports

Each division, ICCE, and key functional areas have an active and high functioning QAPI. The QAPI is chaired by the divisional CQO, ICCE Chief, or quality designee. The purpose of the QAPI is to identify quality opportunities and close gaps. The QAPI should focus on 4 primary areas: (1) quality metrics that are publicly reported (2) quality metrics that are aligned with the strategic priorities of the unit (3) quality opportunities identified from a serious / sentinel event or regulatory survey (4) the creation, dissemination, and measurement of Value-based Ideal Care plans.

Health System quality reports

Other areas that are strategically important to the quality structure will also report to QOC, based on existing subcommittee infrastructure. Examples include Patient Safety, Infection Prevention, and the Value Institute.

MAJOR COMMITTEE GOVERNANCE:

The Board of Trustees:

The MUSC Board of Trustees is responsible of the quality of patient care provided. The Board of Trustees requires the medical staff to implement and report on the activities and mechanisms for monitoring, assessing and evaluating patient safety practices and the quality of patient care, for identifying and resolving problems and for identifying opportunities to improve patient care and services or performance throughout the facility.

The Board of Trustees is supported by the MUSC policies, Medical Staff Bylaws and this QAPI Plan. The MUSC Board of Trustees delegates and directs the Hospital Administration and the Medical Staff to:

- Recommend the strategic direction.
- Require reports and mechanisms for monitoring and evaluating the quality of patient care services to include the frequency of monitoring.

- Provide resources and support systems for performance improvement functions related to patient care services and safety.
- Require mechanisms to assure that all patients with the same health problem are receiving comparable levels of care in MUSC Health.
- Review information needed to educate the Board members about their responsibility for the quality and safety of patient care.
- Evaluate the Quality and Performance Improvement (QAPI) Plan every other year.

The Medical Executive Committees (MECs):

The MUSC Health MECs are comprised of senior physician and administrative leadership from all components of the clinical enterprise. The MECs have responsibility for overseeing, supporting, and evaluating the quality and safety structure and outcomes. These committees ensure medical staff leadership and involvement in performance improvement and that ensures coordination and accountability among department chairpersons, faculty, and residents. The MECs delegate the responsibility of physician performance improvement to the Department Chairpersons within each division. More specifically, the purpose of the MECs is to ensure high quality, safe, patient-centered, cost-effective care throughout the MUSC's clinical enterprise.

The MUSC Health Quality Oversight Committee (QOC):

The MUSC Health QOC, made up of senior leadership representing each of the divisions, ICCE units, as well as other functional areas, oversees and coordinates the performance assessment and improvement activities within the organization. This group ensures that improvements are planned, designed, measured, analyzed, and sustained. More specifically, the QOC:

- Operationalizes improvement activities that are consistent with the MUSC Health Strategic Plan.
- Receives reports and acts on issues and initiatives that address each of the domains of quality.
- Uses performance data in the design and evaluation of new services or programs.
- Identifies improvement actions to be taken, assigns responsibility for each action, and ensures accountability for follow through.
- Oversees analyses of sentinel and serious safety events and ensures appropriate risk reduction strategies are implemented.
- Oversees organizational proactive risk assessment (example - Failure Mode Effects and Analysis) and ensures appropriate risk reduction activities.
- Selects, prioritizes, and monitors the progress of the organization-wide quality improvement projects.
- Allocates financial resources necessary to support organization-wide quality improvement projects.
- Manages the flow of information to ensure effective communication and follow-up.
- Communicates performance assessment information and improvement activities to the MEC and MUSC Board of Trustees.
- Ensures that the quality and safety infrastructure meets regulatory standards.
- Supports QAPIs in meeting organizational goals

QAPI TEAMS:

Each division, ICCE unit, and functional area at MUSC has a QAPI, whose mission is to achieve and surpass benchmarks for their specific area. Each QAPI is chaired by the divisional CQO, ICCE Chief or relevant quality designee. Each QAPI regularly meets to review current performance and create/implement improvement plans to close any gaps in performance.

Specific Responsibilities:

- Ensure progress to closing identified gaps in performance for their area of responsibility.
- Develop improvement plans and remove barriers to effective action.
- Collaborate with other units/areas as needed.
- Report progress quarterly to QOC.
- Each QAPI team should focus on 4 primary areas:
 - quality metrics that are publicly reported

- quality metrics that are aligned with the strategic priorities of the QAPI
- quality opportunities identified from a serious / sentinel event or regulatory survey
- the creation, dissemination, and measurement of Value-based Ideal Care plans

The Quality Improve Committee:

The IMPROVE Committee is made up of senior leaders, administrators, directors, appropriate physician leaders, and performance improvement leadership and team members. This committee oversees the quality IMPROVE process and ensures that the process adheres to a standard quality improvement methodology. The Committee receives IMPROVE projects from the QOC, schedules timely review of the projects, ensures that the actions are appropriate to the identified problem and completed in a timely manner. The Committee makes recommendations to the QOC to modify the original charge if necessary, close out the project, or convert to a QAPI-related activity (or other governance group).

COMMUNICATION STRATEGIES:

Effectively communicating quality and safety performance horizontally and vertically is extremely important to ongoing engagement and improvement efforts. As such, the Quality and Safety structure has developed a repertoire of communication modalities and techniques

- Tiered huddles: This is a daily communication cascade to “look back” and “look ahead” for any threats to the safety or operations of the enterprise. Leaders from all areas gather information from area huddles and report out in “roll call” fashion, then cascade any relevant information to their respective areas.
- Safety Rounds: These are weekly rounds by leaders from all support areas (safety, risk, infection prevention, IT, security, pharmacy, etc.) to front line in all areas, to identify and resolve any and all issues identified as threats to patient or care team safety. Many issues are resolved during rounds; others are assigned an “owner” and progress is reported back to the area leader to inform their team of progress being made on safety issues. In between rounds, issues can be communicated by anyone by email to: patientsafety@musc.edu.
- Safely Speaking: This is a daily email-based communication that covers an evidence-based tool, technique, innovation, or idea that can enhance patient or care team safety. The purpose is daily recognition and awareness of safety issues and efforts within the enterprise.
- Clinical connections: This is a weekly email-based communication modality that covers a quality-safety section, with an intended audience of physician providers (including residents).
- GME: Quality reports are communicated to trainees and program directors at each and every monthly program director and chief resident meeting.
- Onboarding: Quality and safety education and operations are conveyed to each and every new care team member via their respective orientations (physicians, GME, leaders, and care team members).
- Other: Quality and safety reports are part of standing agenda items at each and every of the following meetings: Board of Trustees, Medical Executive Committees (MECs), Administrator-Director-Manager (ADM), and Physician Leader meetings.

PERFORMANCE IMPROVEMENT METHODOLOGY:

In an effort to continually improve organizational performance and maintain the safety and quality of patient care, MUSC Health evaluates the development of new processes as well as the redesign or improvement of existing processes. A systematic approach is utilized to:

- Problem solve, identify the new process or potential improvement.
- Assess/test the strategy for change.
- Analyze data from the test (to determine if the change produced the desired result).
- Implement the improvement strategy system-wide when applicable.
- Monitor for sustained change.

All improvement projects use the IMPROVE model described below, and are documented via the tools on the Performance Improvement web page and appendix A:

<https://horseshoe.musc.edu/clinical/quality>

MUSC Health also recognizes other standard quality improvement methodologies including LEAN and Six Sigma and ensures that the Quality team members has appropriate competencies in these areas.

SELECTION OF QUALITY IMPROVEMENT PRIORITIES:

Organizational quality improvement priorities are selected both proactively and in response to problems that are identified through ongoing assessment of data and analysis of adverse events. More specifically, the following sources of information are used to identify improvement opportunities:

- Strategic planning process
- Benchmark and other external comparative data
- Patient satisfaction data/complaints or concerns from patient-family advisory councils
- Employee concerns or complaints
- Occurrences, near misses and unsafe conditions from voluntary reporting
- Sentinel events
- Serious Safety events
- Other performance data from quality registries or benchmarking databases
- Common cause analyses from voluntary reporting
- Surveys of care team member engagement and culture of safety
- Risk areas or events from other organizations or entities
- Claims data
- Unit-identified concerns or system vulnerabilities
- Concerns or system vulnerabilities identified from any existing communication modalities (feedback from safety rounds, safely speaking, daily check in, unit huddles)
- Concerns or system vulnerabilities identified from mortality reviews
- Concerns identified through the compliance hotline or human resources

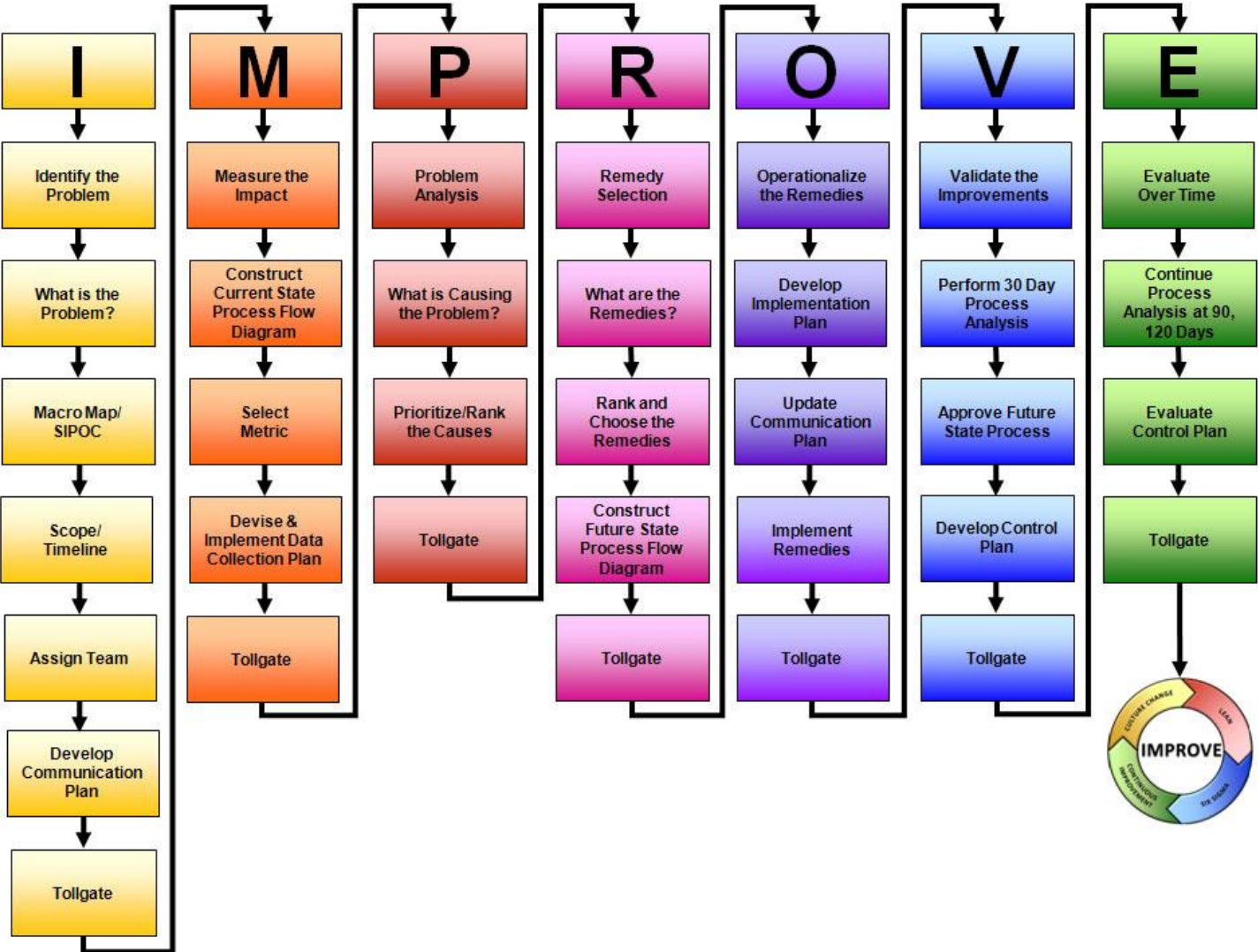
ANNUAL EVALUATION:

The Quality and Performance Improvement (QAPI) Plan will be reviewed and by the Quality Oversight Committee (QOC) and the Medical Executive Committees (MECs) annually.

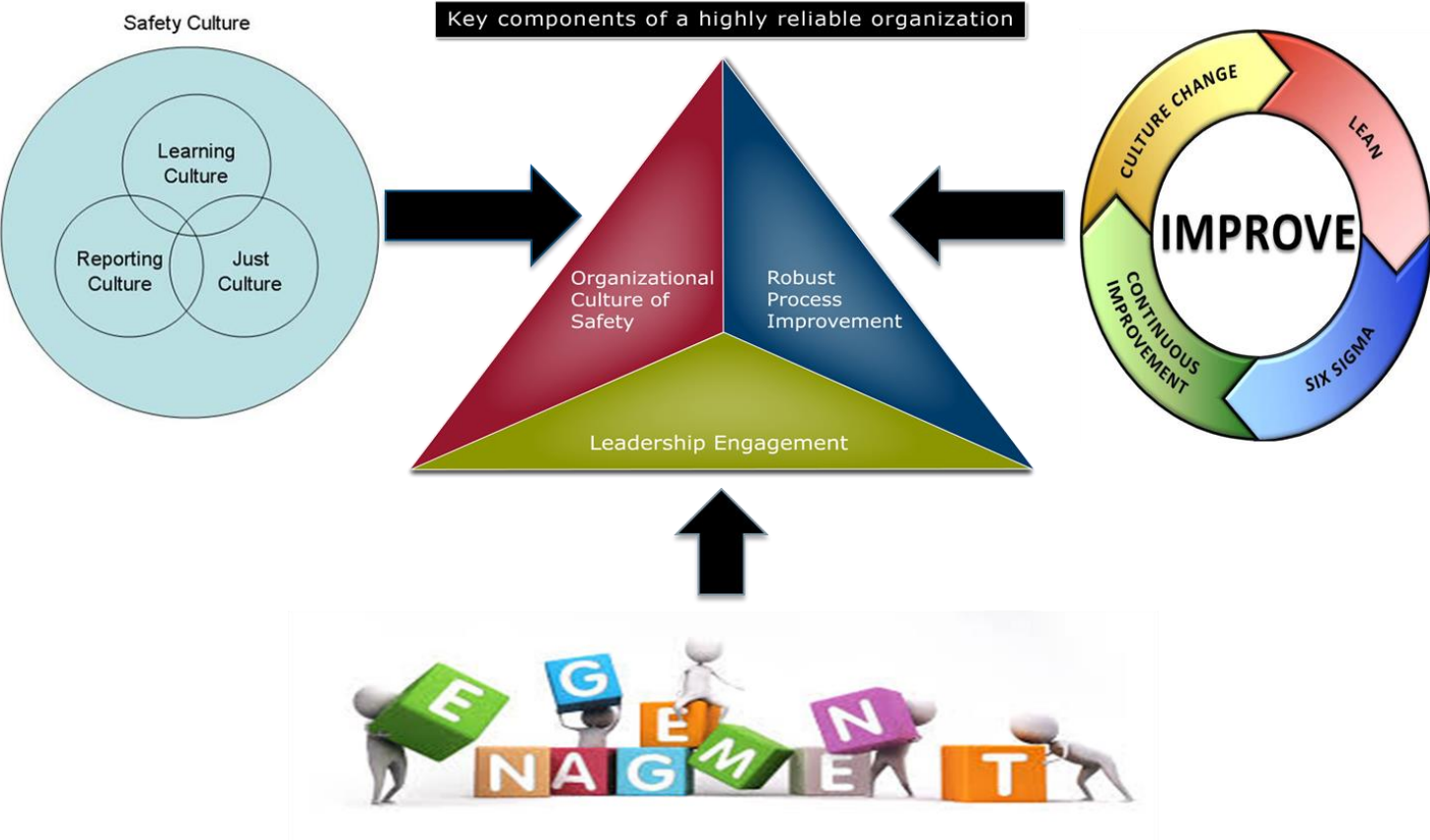
Approvals:

Quality Oversight Committee	DATE: January 17, 2023
Medical Executive Committee, CHS	DATE: January 18, 2023
Medical Executive Committee, RHN	DATE: Lancaster MEC: January 17, 2023 Chester MEC: January 12, 2023 Florence MEC: January 23, 2023 Marion MEC: January 3, 2023 Columbia MEC: January 12, 2023 Kershaw MEC: January 10, 2023
MUSC Board of Trustees	DATE:

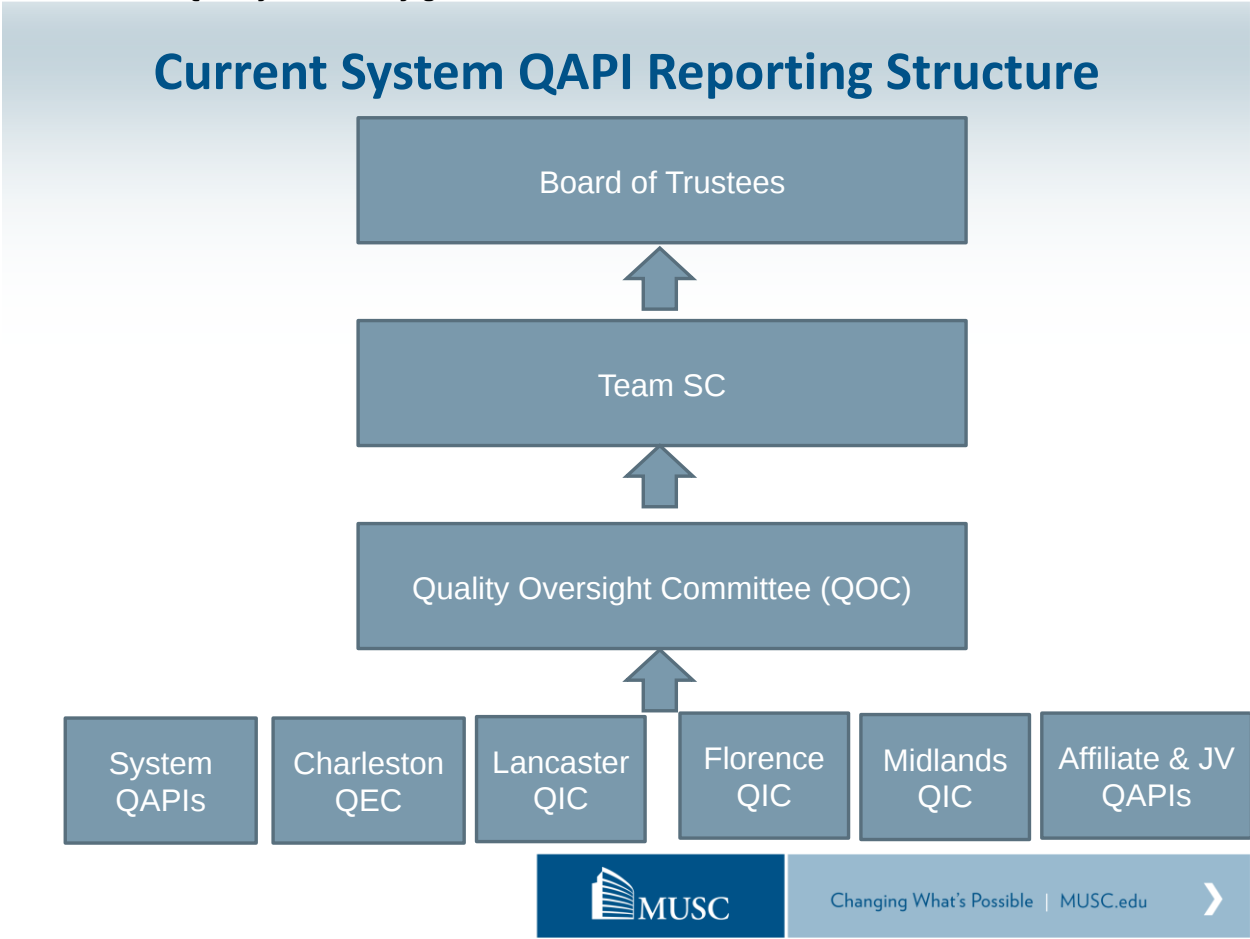
APPENDIX A: Performance Improvement methodology



APPENDIX B: Framework for High Reliability



APPENDIX C: Quality and Safety governance structure



MEDICAL EXECUTIVE COMMITTEE

Medical Executive Committee Presiding: Dr. Robert Cina Date: February 15, 2023 Meeting Place: MS Teams Recording: Elaine Jenkins Meeting Time: 7:30 am Adjournment: 8:27 am	Members present: Dr. Basco, Dr. Boylan, Dr. Bundy, Dr. Cina, Dr. Clark, Dr. Clyburn, K. Denty, Dr. DiSalvo, Dr. Edwards, Dr. Eiseman, V. Fairbairn, M. Fulton. Dr. Herzke, L. Kerr, Jessica Johnson, Kiersten Leban, J. Melroy, Dr. Munden, S. Pastor, Dr. Reeves, Dr. Russell, Dr. Salgado, Dr. D. Scheurer, Dr. M. Scheurer, Dr. Zaas, Dr. Zukas Members excused: Dr. Andrews, Dr. Atz, Dr. Baliga, Dr. Brendle, Dr. Carroll, Dr. Costello, Dr. Crawford, M. Field, Dr. Hong, M. Kocher, D. Krywko, L. Leddy, Dr. Mack, S. Patel, Dr. Reeves, S. Scarbrough, Dr. Streck. Guests:		
Agenda/Topic	Debate & Discussion	Conclusions	Recommendation/ Follow-Up What/When/Who
Executive Session	n/a	n/a	
Review of Minutes	Minutes from January 18 MEC meeting approved	Approval	Approved
Credentials Committee • Dr. Edwards	Monthly credentialing roster presented. 125 Files to review: - 39 Initial Appointments - 84 Reappointments - No significant changes in privileges - No controversies for exceptions	MEC recommends the approval of roster to the Board of Trustees	Approved
GME Report • Dr. Clyburn	- Nothing new to report		
Quality Report • Dr. Bundy	See Attached Presentation - Scorecard - Joint Commission Advanced Comprehensive Stroke Center accreditation - Culture of Safety/Engagement survey ends February 20, 2023	Information	 23_02_15 MEC Bundy.pptx

MEDICAL EXECUTIVE COMMITTEE

Periop QUAPI Report • Dr. Crookes	See Attached Presentation - Red Zone Go Live: 2/13/2023 - Created to keep patients safe and free from RFOs - Everyone in OR is responsible for the Red Zone	Information	 MEC February 2023.pptx
Communications Report • Dr. Herzke	No report this month		
Nursing Update • Susan Pastor	See Attached Presentation - Recognition: Celebration of Nursing Excellence - U07E: Most Improved Adult HCAHPS score and Most Improved Bedside Shift Report - Opened 9 Center on January 25 - New Graduate Nurse Hiring - MUSC Nurse Buddy Program	Information	 02.15.23 MEC Nursng Update.pptx
Regulatory Update • Kim Denty	No Report This Month		
Consent Items			
Policies (Consent)	<u>Policies for Approval:</u> • C-130E SOP Discrepancy Escalation Procedures • C-133 Safe Placement and Maintenance of Enteral Feeding Tubes in Adults • C-124 Paging, Availability and Response Time	Approval	Approved
Standing Orders (Consent)	<u>Standing Orders for Approval:</u> •	Approval	
Data & Service Reports (Consent)	<u>Data Reports:</u> 0	<u>Service reports reviewed:</u>	Information

MEDICAL EXECUTIVE COMMITTEE

Subcommittee Minutes <i>(Consent)</i>	<u>Committee Minutes:</u> o Can be located and viewed in the MUSC BOX under MEC		<i>Information</i>	
Adjournment 8:37 am	The next meeting of the Medical Executive Committee will be March 15, 2023 at 7:30 am via TEAMS/In Person			

Elizabeth Mack, MD, Secretary of the Medical Staff

MEDICAL EXECUTIVE COMMITTEE

Medical Executive Committee Presiding: Dr. Elizabeth Mack Date: March 15, 2023 Meeting Place: MS Teams Recording: Elaine Jenkins Meeting Time: 7:30 am Adjournment: 8:29 am	Members present: Dr. Baliga, Dr. Basco, Dr. Boylan, Dr. Bundy, Dr. Castro, Dr. Cina, Dr. Clark, Dr. Clyburn, Dr. Lucius Craig, K. Denty, Dr. DiSalvo, Dr. Edwards, Dr. Eiseman, V. Fairbairn, M. Fulton. Dr. Herzke, L. Kerr, Jessica Johnson, Kiersten Leban, J. Melroy, Dr. Munden, S. Pastor, Dr. Reeves, Dr. Russell, Dr. Salgado, Dr. D. Scheurer, Dr. M. Scheurer, Dr. Zaas, Dr. Zukas Members excused: Dr. Andrews, Dr. Atz, Dr. Brendle, Dr. Carroll, Dr. Costello, Dr. Crawford, M. Field, Dr. Hong, M. Kocher, D. Krywko, L. Leddy, Dr. Mack, S. Patel, Dr. Reeves, S. Scarbrough, Dr. Streck Guests: Dr. Cynthia Schandel		
Agenda/Topic	Debate & Discussion	Conclusions	Recommendation/ Follow-Up What/When/Who
Executive Session	n/a	n/a	
Review of Minutes	Minutes from February 15 MEC meeting approved	Approval	Approved
Credentials Committee • Dr. Edwards	Monthly credentialing roster presented. 110 Files to review: - 32 Initial Appointments - 74 Reappointments - No significant changes in privileges - No controversies for exceptions	MEC recommends the approval of roster to the Board of Trustees	Approved
GME Report • Dr. Clyburn	- First cohort to have institutional site visits with the resurrection of this from the ACGME. - Largely will look at GMEC minutes and Policies and Procedures - It is Match Week for our Medical School and Residency Programs		
Quality Report • Dr. Bundy	See Attached Presentation - Scorecard - BCBS Blue Distinction in Specialty Care - Schwartz Rounds - Culture of Safety/Employee Engagement Data	Information	 3.15.23 Quality Update - Bundy.ppt

MEDICAL EXECUTIVE COMMITTEE

Periop QUAPI Report • Dr. Crookes	See Attached Presentation	<i>Information</i>	 MEC Peri-Op March 2023.pptx
Communications Report • Dr. Herzke	See Attached Presentation - Credentialing Update *New Director April 3, 2023 *Expansion of Staff - MEC Changes - EPIC Changes		 CMO Report MEC 3.15.23.pptx
Nursing Update • Susan Pastor	See Attached Presentation - Most Improved and Highest “Recommend” Scores and Most Improved “Bedside Shift Report” for Q2 FY23 - New Nursing Leader Announcements - New Graduate Blitz - Recruitment Activities - People Pillar – Hiring January 2023 - Present	<i>Information</i>	 3.15.23 MEC Nursng Update.pptx
Regulatory Update • Kim Denty	See Attached Presentation - 10 Surveyors - 40 Units - Nurse Manager Focused - Pharmacy - 50 Patient Medical Files - 40 Employee Files		 MEC 03.15.23 Accreditation-Regul
CLAC: policy related to reflex precision medicine testing	Dr. Cynthia Schandel, new Director of the Division of Clinical Pathology presented the CLAC: policy related to reflex precision medicine testing.		 MEC reflex testing review 3.15.23.pptx
Consent Items			
Policies <i>(Consent)</i>	<u>Policies for Approval:</u> • C-191 Placebo Use in Clinical Practice	<i>Approval</i>	Approved

MEDICAL EXECUTIVE COMMITTEE

Standing Orders <i>(Consent)</i>	<u>Standing Orders for Approval:</u>		Approval
Data & Service Reports <i>(Consent)</i>	<u>Data Reports:</u> 0	<u>Service reports reviewed:</u>	Information
Subcommittee Minutes <i>(Consent)</i>	<u>Committee Minutes:</u> 0 Can be located and viewed in the MUSC BOX under MEC		Information
Adjournment 8:37 am	The next meeting of the Medical Executive Committee will be April 19, 2023 at 7:30 am via TEAMS/In Person		

Elizabeth Mack, MD, Secretary of the Medical Staff

**AGREEMENTS ENTERED INTO BY THE MEDICAL UNIVERSITY HOSPITAL
AUTHORITY SINCE THE APRIL 2023 MEETING OF THE BOARD OF TRUSTEES**

Hospital Services - Any contract involving the exchange of Hospital services either for money or other services.

Managed Care - The Medical Center has entered a Managed Care Agreement with the following:

AETNA
ATC Healthcare Services, Inc.
Absolute Total Care, Inc.
BCBSSC
Humana Choice Care
Humana Pharmacy Solutions, Inc.
MedCost Benefit Services, LLC
UHC

Transplant Agreements - For the institution(s) listed below, the Medical Center Transplant Unit agrees to provide tissue typing and transplantation to those patients who are medically suitable and to follow those patients in the transplant clinic at MUSC.

Transfer Agreements - MUHA agrees to accept the admission of individuals requiring specialized care and meet certain criteria from the following facilities:

Affiliation Agreements –

Clinical Services Agreements –

Consulting Contracts over \$50k –

Healthrise

**MEDICAL UNIVERSITY OF SOUTH CAROLINA
CONSTRUCTION CONTRACTS
FOR REPORTING
May 19, 2023**

MUSC General Construction Projects:

IPW Construction Group	\$ 529,819.00
CRI Select Sheet Metal Repairs	
Stenstrom & Associates	\$ 321,000.00
UH Suite 168 Renovations	

**MEDICAL UNIVERSITY OF SOUTH CAROLINA
PROFESSIONAL SERVICES
FOR REPORTING
May 19, 2023**

Professional Services Contract

SLAM Collaborative

\$ 429,502.00

MUSC Campus Connector Bridges

MEDICAL UNIVERSITY OF SOUTH CAROLINA (MUSC) BOARD OF TRUSTEES
CONSENT AGENDA
May 19, 2023
101 Colcock Hall

Education, Faculty & Student Affairs Committee: Barbara Johnson-Williams, Chair

Consent Agenda for Approval

- Item 18. Faculty Appointments.....Dr. Lisa Saladin
Executive Vice President for Academic Affairs and Provost

College of Medicine

Richard L. Goodwin, Ph.D. as Professor, on the Academic Investigator/Educator track, in the Department of Regenerative Medicine and Cell Biology, effective April 1, 2023.

Dual appointment for **McLeod F. Gwynette, Jr, M.D.**, as Professor, in the Department of Pediatrics, Division of Developmental/Behavioral Pediatrics, effective April 1, 2023. Dr. Gwynette's primary appointment will rest in the Department of Psychiatry and Behavioral Sciences.

Dual appointment for **Alvin L Lewis, M.D.**, as Associate Professor, in the Department of Pediatrics, Division of Developmental/Behavioral Pediatrics, effective April 1, 2023. Dr. Lewis' primary appointment rests in the Department of Psychiatry and Behavioral Sciences

Dual appointment for **Jennifer J. Patterson, M.D.**, as Clinical Associate Professor, in the Department of Pediatrics, Division of Developmental/Behavioral Pediatrics, effective April 1, 2023. Dr. Patterson's primary appointment will rest in the Department of Psychiatry and Behavioral Sciences.

Arnold-Peter Weiss, M.D., as Professor, on the Clinician Educator track, in the Department of Orthopaedics and Physical Medicine, effective April 1, 2023.

College of Medicine

John E. Aruny, M.D., As Clinical Professor, in the Department of Radiology and Radiological Science, effective April 3, 2023.

Elliot M. Frohman, M.D., Ph.D. as Professor, on the Academic Clinician track, in the Department of Neurology, effective April 10, 2023

Teresa Carol Frohman, M.P.A.S., M.S.C.S., P.A.-C. as Clinical Professor, in the Department of Neurology, effective April 10, 2023. Ms. Frohman's primary appointment will rest in the Department of Clinical Sciences, College of Health Professions.

Matthew C. Hulse, M.D., as Associate Professor, on the Clinician Educator track, in the Dept. of Anesthesia and Perioperative Medicine, effective July 24, 2023.

Academic Affairs

Dustin Annan-Coultas, EdD, Associate Professor in the Academic Affairs Faculty, effective July 1, 2023.

- Item 19. Emeritus.....Dr. Lisa Saladin
Executive Vice President for Academic Affairs and Provost

Marc Chimowitz, M.B., Ch.B., Professor Emeritus, in the College of Medicine, Department of Neurology, effective April 1, 2023.

Kenneth Jackson Thomas, Ed.D., Professor Emeritus, College of Health Professions, Department of Rehabilitation Sciences, Division of Physical Therapy, effective July 1, 2023.

Richard Segal, PT, PhD, FAPTA, Professor Emeritus, College of Health Professions, Department of Health Sciences & Research, effective August 1, 2023.

- Item 20. Change in Faculty StatusDr. Lisa Saladin
Executive Vice President for Academic Affairs and Provost

Peter Carek, M.D., from Professor to Affiliate Professor, in the Department of Family Medicine, effective January 1, 2023.

- Item 21. Promotions.....Dr. Lisa Saladin
Executive Vice President for Academic Affairs

Kristy L. Brittain, PharmD, BCPS, CDCES from Associate Professor to Professor (Non-tenure track) in the Department of Clinical Pharmacy and Outcomes Sciences, effective July 1, 2023.

- Item 22. Change of Department.....Dr. Lisa Saladin
Executive Vice President for Academic Affairs and Provost

The following faculty will be reassigned to new departments effective July 1, 2023.

Department of Advanced Specialty Sciences

Christian Brenes-Vegas, DDS, MS, Associate Professor
Mark Miller, DMD, MD, FACS, Associate Professor
Martin Steed, DDS, FACS, Professor
Christel Haberland, DDS, MS, FAAPD, Associate Professor
Deirdre Williams, DDS, MS Associate Professor
Ildeu Andrade, Jr., DDS, MS, PhD, Associate Professor
Sarandeep Huja, DDS, PhD, Professor
Timothy Tremont, DMD, MS, Professor
Hua-Hong (Ben) Chien, DDS, PhD, Professor
Michael Cuenin, DMD, Associate Professor
Mona Ellis, DMD, Clinical Associate Professor
Pinar Emecen-Huja, DDS, PhD, Associate Professor
Robert Gellin, DMD, MHS, Professor
David Ivey, DMD, Clinical Associate Professor
Tariq Javed, DMD, MSD, MS, Professor

Renata Leite, DDS, MS, Associate Professor
Abhiram Maddi, DMD, Associate Professor
Thomas Lawrence Weir, DDS, Clinical Associate Professor
John Sanders, DDS, Dean Emeritus

Secondary Appointments

Theresa Gonzales, DMD, MS, MSS, Professor
Byung Lee, DDS, Clinical Associate Professor

Department of Biomedical and Community Health Sciences

Chin-Lo Hahn, BDS, MS, DDS, PhD, Associate Professor
Theodore Ravenel, DMD, Associate Professor
Theresa Gonzales, DMD, MS, MSS, Professor
Lindsay Hamil, PhD, Associate Professor
Amy Martin, DrPH, MSPH, Professor
Joni Nelson, MS, PhD, Associate Professor
Curtis Wise, PhD, Professor Emeritus
Andrew Jakymiw, PhD, Associate Professor
M. Kinon Lecholop, DMD, Research Associate Professor
Chad Novince, DDS, PhD, Associate Professor
Caroline Westwater, PhD, Professor
Hai Yao, PhD, Professor
Ozlem Yilmaz, DDS, PhD, Professor
Hong Yu, MD, Research Associate Professor
Robert Draughn, MS, DSc, Professor Emeritus
Charles Ferguson, DMD, Associate Professor
Sonali Rathore, BDS, MS, Associate Professor
Robert Utsman, DDS, Associate Professor
Tina Woods, DMD, Associate Professor
Angela Yoon, MAMSc, MPH, DDS, Professor
Edward Herschaft, DDS, MA, Professor Emeritus
Brad Neville, DDS, Professor Emeritus

Secondary Appointments

Jeffrey Borckardt, PhD, Professor
Irene Lubker, PhD, MLS, Professor
Susan Reed, DDS, DrPH, Associate Professor
Sharlene Wedin, PsyD, Associate Professor
Alexander Alekseyendo, PhD, Professor
Lauren Ball, PhD, Associate Professor
Michael Kern, PhD, Professor
Robin Muise-Helmericks, PhD, Associate Professor
Besim Ogretmen, PhD, Professor
Sophie Paczesny, MD, PhD, Professor
Steven Rosenzweig, PhD, Professor
Michael Schmidt, PhD, Professor
Michelle Ziegler, DDS, Associate Professor

Department of Reconstructive and Rehabilitation Sciences

Sompop Bencharit, DDS, MS, PhD, FACP, Professor
Monica Cayouette, DMD, MS, FACP, Associate Professor
John Comisi, DDS, Associate Professor
John Ference, DMD, MSS, MPH, MDS, Associate Professor
Raymond Kessler, III, DDS, Associate Professor
Karen McPherson, DMD, Associate Professor
Fabio Rizzante, DDS, MSc, PhD, Associate Professor
Sorin Teich, DMD, MBA, Professor
Jompobe Vuthiganon, DMD, Associate Professor
Michelle Ziegler, DDS, Associate Professor
D. Edward Collins, DMD, Professor Emeritus
Peter Kobes, DDS, Professor Emeritus
Stephen Malley, DDS, Professor Emeritus
Samuel Ted McGill, DMD, MHS, Professor Emeritus
Elizabeth Pilcher, DMD, Professor Emeritus
James Rivers, DMD, Professor Emeritus
W. Dan Sneed, DMD, MAT, MHS, Professor Emeritus
Edward Welsh, DMD, MAT, Professor Emeritus

Item 23. Conferring of Degrees.....Dr. Lisa Saladin
Executive Vice President for Academic Affairs and Provost

Richard Goodwin, PhD
Abbreviated Curriculum Vitae
Professor
goodwiri@musc.edu

Personal Information

No activities entered.

Contact Information

No activities entered.

Degrees

1996	Ph.D., Biology, University of South Carolina
1985	B.S., Biology, Indiana University

Post-Graduate Training

Fellowship, Vanderbilt University, Cardiology, July 1996, June 2000

Additional Training

No activities entered.

Certifications

No activities entered.

Professional Licensures

No activities entered.

MUSC Rank and Promotion History

Professor, Medical University of South Carolina, College of Medicine, Regenerative Medicine and Cell Biology,
2023-04-01

Non-MUSC Rank and Promotion History

Professor, University of South Carolina School of Medicine Columbia, College of Engineering and Computing ,
2017-01-01

Professor, University of South Carolina School of Medicine Greenville, 2018-01-01

Associate Professor, University of South Carolina School of Medicine Columbia, 2007-01-01, 2014-12-31

Associate Professor, University of South Carolina School of Medicine Greenville, 2014-01-01, 2017-12-31

Assistant Professor, University of South Carolina School of Medicine Columbia, 2000-01-01, 2007-12-31

Adjunct Professor, University of South Carolina School of Medicine Columbia, 2017-01-01, 2020-12-31

McLeod Frampton Gwynette Jr, MD
Abbreviated Curriculum Vitae
Professor
(843) 792-0037
gwynette@musc.edu

Personal Information

No activities entered.

Contact Information

No activities entered.

Degrees

2000	M.D., Medicine, Medical University of South Carolina, South Carolina, United States
1995	B.S., Biology and Economics and Management, James Madison University

Post-Graduate Training

Post-Doctorate, Cedars-Sinai Medical Center, Fellow of Child and Adolescent Psychiatry, July 2003, July 2005
Post-Doctorate, Medical University of South Carolina, Doctor of Medicine, May 2000, September 2000
Post-Doctorate, Cedars-Sinai Medical Center, Resident, June 2000, June 2003

Additional Training

No activities entered.

Certifications

No activities entered.

Professional Licensures

No activities entered.

MUSC Rank and Promotion History

Professor, Medical University of South Carolina, College of Medicine, Pediatrics, Developmental-Behavioral Pediatrics, 2023-04-01
Professor, Medical University of South Carolina, College of Medicine, Psychiatry and Behavioral Sciences, 2021-01-01
Associate Professor, Medical University of South Carolina, College of Medicine, Psychiatry and Behavioral Sciences, 2016-07-01, 2020-12-31
Assistant Professor, Medical University of South Carolina, College of Medicine, Psychiatry and Behavioral Sciences, 2006-10-01, 2016-06-30

Non-MUSC Rank and Promotion History

No activities entered.

Alvin L. Lewis, MD
Abbreviated Curriculum Vitae
Associate Professor
(843) 792-0199
lewisal@musc.edu

Personal Information

No activities entered.

Contact Information

No activities entered.

Degrees

2006	M.D., Medicine, Medical University of South Carolina, South Carolina, United States
2000	B.S., Psychology, Wofford College, SC, South Carolina, United States

Post-Graduate Training

Post-Doctorate, Medical University of SC, Internship, July 2006, June 2007

Post-Doctorate, Medical University of SC, Resident, July 2007, June 2009

Post-Doctorate, Medical University of South Carolina, Child and Adolescent Fellow - Chief 2010-2011, July 2009, June 2011

Additional Training

No activities entered.

Certifications

American Board of Psychiatry and Neurology, Effective Date: 4/2011-12/2021

American Board of Psychiatry (Child and Adolescent Psychiatry), Effective Date: 11/2012-12/2022

Professional Licensures

USMLE

South Carolina Medical License

MUSC Rank and Promotion History

Associate Professor, Medical University of South Carolina, College of Medicine, Pediatrics, Developmental-Behavioral Pediatrics, 2023-04-01

Associate Professor, Medical University of South Carolina, College of Medicine, Psychiatry and Behavioral Sciences, 2017-07-01

Assistant Professor, Medical University of South Carolina, College of Medicine, Psychiatry and Behavioral Sciences, 2011-07-01, 2017-06-30

Non-MUSC Rank and Promotion History

No activities entered.

Jennifer Janell Patterson, MD
Abbreviated Curriculum Vitae
Clinical Associate Professor
pattersj@musc.edu

Personal Information

No activities entered.

Contact Information

No activities entered.

Degrees

2008	M.D., Medicine, University of Louisville School of Medicine, Kentucky, United States
2003	B.S., Psychobiology, Centre College

Post-Graduate Training

Fellowship, Medical University of South Carolina, Charleston, SC, Child and Adolescent Psychiatry Fellowship, September 2011, September 2013

Residency, Medical University of South Carolina, Charleston, SC, General Psychiatry , September 2008, September 2011

Additional Training

No activities entered.

Certifications

Trauma Focused Cognitive Behavioral Therapy, Effective Date: 2012

American Board of Psychiatry and Neurology- Psychiatrist, Type of Certification: Board Certification, Specialty: Psychiatrist, Certification Number: 65447, Effective Date: 2012-09-13, Expiration Date (if none, see note above): 2023-03-01

American Board of Psychiatry and Neurology, Type of Certification: Board Certification, Specialty: Child and Adolescent Psychiatrist, Certification Number: 8273, Effective Date: 2013-09-23, Expiration Date (if none, see note above): 2023-03-01

Professional Licensures

South Carolina Medical License , Month / Year Originally Conferred: July 2008, Month/Year Expires: June 2023, 30814

MUSC Rank and Promotion History

Clinical Associate Professor, Medical University of South Carolina, College of Medicine, Pediatrics, Developmental-Behavioral Pediatrics, 2023-04-01

Clinical Associate Professor, Medical University of South Carolina, College of Medicine, Psychiatry and Behavioral Sciences, 2022-07-18

Assistant Professor, Medical University of South Carolina, College of Medicine, Psychiatry and Behavioral Sciences, 2014-10-01, 2019-12-01

Non-MUSC Rank and Promotion History

No activities entered.

Arnold-Peter Weiss, MD
Abbreviated Curriculum Vitae
Professor
weissar@musc.edu

Personal Information

No activities entered.

Contact Information

No activities entered.

Degrees

2000	M.A., Brown University
1985	M.D., Medicine, The Johns Hopkins University School of Medicine
1982	B.A., Human Biology & Engineering Physics, The Johns Hopkins University

Post-Graduate Training

Fellowship, The Indiana Hand Center, Hand Surgery, 1990, 1991
Internship, The Johns Hopkins Hospital, Surgery, 1985, 1986
Residency, The Johns Hopkins Hospital, Orthopaedic Surgical Residency, 1986, 1990

Additional Training

No activities entered.

Certifications

American Board of Orthopaedic Surgery, Type of Certification: Certificate, Specialty: Added Qualification in Surgery of the Hand, Effective Date: 2012
American Board of Orthopaedic Surgery, Type of Certification: Diplomate, Specialty: Orthopaedic Surgery, Effective Date: 2012

Professional Licensures

Rhode Island State Medical Board, Month / Year Originally Conferred: 1991, Rhode Island, #7917

MUSC Rank and Promotion History

Professor, Medical University of South Carolina, College of Medicine, Orthopaedics and Physical Medicine, 2023-04-01

Non-MUSC Rank and Promotion History

Professor, Brown University School of Medicine, Medicine, Department of Orthopaedics, Division of Hand, Upper Extremity, and Microvascular Surgery, 1998-10-01, 2023-03-31
Associate Professor, Brown University School of Medicine, Medicine, Department of Orthopaedics, Division of Hand, Upper Extremity, and Microvascular Surgery, 1994-11-01, 1998-09-30
Assistant Professor, Brown University School of Medicine, Medicine, Department of Orthopaedics, Department, 1991-07-01, 1994-10-31

John Aruny, MD
Abbreviated Curriculum Vitae
Clinical Professor
aruny@musc.edu

Personal Information

No activities entered.

Contact Information

No activities entered.

Degrees

1983	M.D., Medicine, Autonomous University of Guadalajara
1973	B.Sc., Cornell University

Post-Graduate Training

Fifth Pathway, New York University, Medicine, July 1983, June 1984
Fellowship, Brigham and Women's Hospital, Cardiovascular and Interventional Radiology, July 1989, June 1991
Internship, Booth Memorial Medical Center, Internal Medicine, July 1984, June 1985
Residency, New York Medical College, Diagnostic Radiology, July 1985, June 1989

Additional Training

No activities entered.

Certifications

American Board of Radiology, Type of Certification: Board Certification, Specialty: Interventional Radiology & Diagnostic Radiology, Certification Number: N/A, Effective Date: 2017-10-16, Expiration Date (if none, see note above): 2024-03-15
American Board of Radiology, Type of Certification: Board Certification, Specialty: Vascular & Interventional Radiology, Certification Number: N/A, Effective Date: 2009-11-09, Expiration Date (if none, see note above): 2017-1-16
American Board of Radiology, Type of Certification: Board Certification, Specialty: Diagnostic Radiology/Nuclear Radiology, Certification Number: N/A, Effective Date: 1989-12-11, Lifetime Board Certification: Yes

Professional Licensures

South Carolina Medical License, Month / Year Originally Conferred: October 2017, 51624

MUSC Rank and Promotion History

Non-MUSC Rank and Promotion History

Associate Professor, Yale University Medical School , Radiology and Surgery (Vascular), 1999-01-01, 2018-12-31

Elliot Frohman, MD, PhD
Abbreviated Curriculum Vitae
Professor
frohmane@musc.edu

Personal Information

No activities entered.

Contact Information

No activities entered.

Degrees

1990	M.D., Ph.D., Medicine, University of California, Irvine
1988	Ph.D., Anatomy and Neurobiology, University of California, Irvine
1982	B.A., Biochemistry and Cell Biology (minor in Drama), Revelle College (Science & Engineering, University of California, San Diego

Post-Graduate Training

Fellowship, Johns Hopkins Hospital , Neurophysiology/Neuro-otology-Oculomotor control, July 1994, June 1995
Internship, Baptist Memorial Hospital, Medicine, July 1990, June 1991
Residency, Johns Hopkins Hospital , of Neurology, July 1991, June 1994

Additional Training

No activities entered.

Certifications

American Heart Association, Type of Certification: Life Support, Specialty: ACLS, Certification Number: N/A, Effective Date: 2023-03-21
American Board of Psychiatry and Neurology, Type of Certification: Board Certification, Specialty: Neurology, Certification Number: 41248, Effective Date: 1995-04-30, Expiration Date (if none, see note above): 2024-03-01

Professional Licensures

Texas Medical License, Month / Year Originally Conferred: August 1995, J8241

MUSC Rank and Promotion History

Non-MUSC Rank and Promotion History

Professor (Adjunct), The University of Texas at Dallas, 2013, 2017
Professor (Adjunct), Charles University School of Medicine, 2009, 2012
Professor, University of Texas Southwestern Medical School, Neurology and Ophthalmology, 2004-07-01, 2017-12-31
Professor, Dell Medical School at UT Austin, 2017-05-01, 2020-12-31
Distinguished Teaching Professor, UT Southwestern Medical School, 2014-10-01, 2017-05-31
Associate Professor, University of Texas Southwestern Medical School, Neurology and Ophthalmology, 2000-07-01, 2004-12-31

Assistant Professor, University of Texas Southwestern Medical School, Neurology and Ophthalmology, 1995-07-01, 2000-12-31

Teresa Frohman, MPAS, MSCS, PA-C
Abbreviated Curriculum Vitae
Assistant Professor
frohmant@musc.edu

Personal Information

No activities entered.

Contact Information

No activities entered.

Degrees

2010	M.S.P.A.S., Physician Assistant Studies, University of Texas Southwestern Medical Center
1988	B.A., Psychology, University of California, Irvine

Post-Graduate Training

No activities entered.

Additional Training

2012-01-01, 2033-12-31, Consortium of MS Centers , MS Specialist, Certification

Certifications

National Association and Academy for Physican Assistants , Type of Certification: Board Certification,
Certification Number: 1096649, Effective Date: 2010-12-22, Expiration Date (if none, see note above): 2024-12-31

Professional Licensures

Texas Medical Board, Month / Year Originally Conferred: February 2011, PA07208, Physician Assistant

MUSC Rank and Promotion History

Clinical Professor, Medical University of South Carolina, College of Medicine, Neurology, 2023-04-10
Assistant Professor, Medical University of South Carolina, College of Health Professions, Clinical Sciences,
Physician Assistant Studies (PA), 2023-04-10

Non-MUSC Rank and Promotion History

Professor (Adjunct), University of Texas at Dallas, 2014, 2017
Associate Professor , Dell Medical School , 2017, 2020
Assistant Professor (Adjunct), University of Texas at Dallas, 2014, 2017

Matthew Hulse, MD
Abbreviated Curriculum Vitae
Associate Professor
hulsem@musc.edu

Personal Information

No activities entered.

Contact Information

No activities entered.

Degrees

2011	M.D., Medicine, Virginia Commonwealth University Medical College of VA
2007	B.S., Biology, Virginia Polytechnic Institute and State University

Post-Graduate Training

Fellowship, Vanderbilt University Medical Center , Anesthesiology and Critical Care Medicine , July 2015, July 2016
Residency, Johns Hopkins Hospital , Internal Medicine/Anesthesiology , June 2011, June 2015

Additional Training

2023-04-17, 2023-04-17, UVA Medical Simulation Development/Proctoring Course, UVA Medical Simulation Development/Proctoring Course, Course/Training
2023-04-17, 2023-04-17, Johns Hopkins, Johns Hopkins Difficult Airway Course , Certification

Certifications

NATIONAL BOARD OF ECHOCARDIOGRAPHY, Type of Certification: Board Certification, Specialty: Basic Perioperative Transesophageal Echocardiography, Certification Number: 2018-00034389, Effective Date: 2018-01-01, Expiration Date (if none, see note above): 2028-12-31
American Heart Association, Type of Certification: Life Support, Specialty: ACLS, Certification Number: N/A, Effective Date: 2023-04-11, Expiration Date (if none, see note above): 2025-04-11
American Heart Association, Type of Certification: Life Support, Specialty: BLS, Certification Number: N/A, Effective Date: 2023-01-18, Expiration Date (if none, see note above): 2025-01-18
American Heart Association, Type of Certification: Life Support, Specialty: ATLS, Certification Number: N/A, Effective Date: 2023-04-17
American Heart Association, Type of Certification: Life Support, Specialty: Cardiac Surgery Advanced Life Support (CALS), Certification Number: N/A, Effective Date: 2023-03-01, Expiration Date (if none, see note above): 2025-03-01
American Board of Anesthesiology, Type of Certification: Board Certification, Specialty: Critical Care Medicine, Certification Number: N/A, Effective Date: 2016-05-05, Expiration Date (if none, see note above): 2026-12-31
American Board of Anesthesiology, Type of Certification: Board Certification, Specialty: Anesthesiology, Certification Number: N/A, Effective Date: 2016-05-05, Expiration Date (if none, see note above): 2026-12-31

Professional Licensures

Virginia Medical License, Month / Year Originally Conferred: July 2016, Month/Year Expires: January 2024, 0101260877

MUSC Rank and Promotion History

Non-MUSC Rank and Promotion History

Associate Professor, University of Virginia Medical Center, Anesthesiology and Critical Care Medicine, 2022-06-01

Assistant Professor, University of Virginia Medical Center, Department of Anesthesiology and Critical Care Medicine, 2016-08-01, 2022-06-30

MEDICAL UNIVERSITY OF SOUTH CAROLINA
ACADEMIC AFFAIRS FACULTY
ABBREVIATED CURRICULUM VITAE

Date: 4/12/23

Name: Annan Dustin Lee
Last First Middle

Citizenship and/or Visa Status: US Citizen

Office Address: 41 Bee St. Telephone: 843-792-5506
Charleston, SC 29413

Education: (Baccalaureate and above)

<u>Institution</u>	<u>Years attended</u>	<u>Degree/Date</u>	<u>Field of Study</u>
<u>Furman University</u>	<u>1993 - 1997</u>	<u>BA</u>	<u>English</u>
<u>Furman University</u>	<u>1993 - 1997</u>	<u>BS</u>	<u>Biology</u>
<u>Clemson University</u>	<u>1997 - 1999</u>	<u>MA</u>	<u>Technical Writing</u>
<u>Nova Southeastern University</u>	<u>2005 - 2011</u>	<u>EdD</u>	<u>Instructional Tech</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

<u>Internship</u>	<u>Place</u>	<u>Dates</u>
<u>N/A</u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

Faculty appointments: (Begin with initial appointment)

<u>Years</u>	<u>Rank</u>	<u>Institution</u>	<u>Department</u>
<u>2007 - 2014</u>	<u>Instructor</u>	<u>MUSC</u>	<u>CHP – Health Studies</u>
<u>2014 - 2020</u>	<u>Assistant Professor</u>	<u>MUSC</u>	<u>CHP – Health Studies</u>
<u>2020</u>	<u>Associate Professor</u>	<u>MUSC</u>	<u>CHP – Health Studies</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
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<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

First Appointment to MUSC: Rank Instructor Date: 2007

Marc Ivor Chimowitz, MBChB
Abbreviated Curriculum Vitae
Professor
(843) 792-3020
mchimow@musc.edu

Personal Information

No activities entered.

Contact Information

No activities entered.

Degrees

1981	M.B.,Ch.B., Medicine, University of Cape Town, South Africa
1979	B.Sc., Honors, Applied Mathematics, University of Cape Town, South Africa
1975	B.Sc., Mathematics, University of Cape Town, South Africa

Post-Graduate Training

Post-Doctorate, Carney Hospital, Dorchester, Massachusetts, Intern in Medicine, September 1984, September 1985

Post-Doctorate, Cleveland Clinic Foundation, Cleveland, Ohio, Cerebrovascular Fellowship, September 1988, September 1990

Post-Doctorate, Groote Schuur Hospital, Cape Town, South Africa, Flexible Internship, September 1992, Ongoing

Post-Doctorate, Massachusetts General Hospital, Boston, MA, Research Fellowship, Laboratory of Computer Science, September 1983, September 1984

Post-Doctorate, Tufts-New England Medical Center, Boston, Massachusetts, Resident in Neurology, September 1985, September 1988

Additional Training

No activities entered.

Certifications

Vascular Neurology (based on passing examination under auspices American Board of Psychiatry and Neurology), Effective Date: 2008-

Diplomate, American Board of Psychiatry and Neurology, Effective Date: 1989-

Professional Licensures

South Carolina Physician License

Michigan Physician License Registration

Massachusetts Physician License Registration

Georgia Physician License

MUSC Rank and Promotion History

Professor, Medical University of South Carolina, College of Medicine, Neurology, 2023-04-01

Professor, Medical University of South Carolina, College of Medicine, Neurology, 2015-07-01, 2023-03-31

Professor, Medical University of South Carolina, College of Graduate Studies, 2009-03-16

Professor, Medical University of South Carolina, College of Medicine, Neurology, 2008-03-01, 2015-06-30

Non-MUSC Rank and Promotion History

Professor (with tenure), Emory University, Department of Neurology, 1999-09-01

Faculty Member, College of Graduate Studies, Medical University of South Carolina, Charleston, SC, 2009-09-01, 2099-01-01

Associate Professor (with tenure), Emory University, Department of Neurology, 1995-09-01

Assistant Professor, University of Michigan, Department of Neurology, 1990-09-01



Medical University of South Carolina
COLLEGE OF HEALTH PROFESSIONS
ABBREVIATED CURRICULUM VITAE

Date: 4/14/2023

Name: Thomas Kenneth Jackson
Last First Middle

Citizenship and/or Visa Status: US

Office Address: 151-B Rutledge Avenue, Rm B341 Telephone: 843-792-4426
Charleston, SC 29425

Education: (Baccalaureate and above)

<u>Institution</u>	<u>Years Attended</u>	<u>Degree/Date</u>	<u>Field of Study</u>
Hendrix College	Graduated 1968	B.A.	Biology
University of Arkansas	Graduated 1972	M.S.	Anatomy and Physiology
University of Arkansas	Graduated 1985	Ed.D.	Higher Education
University of Central Arkansas	Graduated 1987	B.S.	Physical Therapy

Graduate Medical Training: (Chronological)

	<u>Place</u>	<u>Dates</u>
Internship		

	<u>Place</u>	<u>Dates</u>
Residencies or Postdoctoral:		

Board Certification:		Date:
Licensure:	SC Department of Labor, Licensing, and Regulation, Physical Therapy Licensure	Date: #001302
		Date:
		Date:

Faculty appointments: (Begin with initial appointment)

<u>Years</u>	<u>Rank</u>	<u>Institution</u>	<u>Department</u>
1975-1986	Assistant Professor	University of Central Arkansas	Department of Physical Therapy
1986-1988	Associate Professor (tenured)	University of Central Arkansas	Department of Physical Therapy
1988-2003	Associate Professor	MUSC	Department of Rehabilitation Sciences
2003-2008	Professor	MUSC	Department of Rehabilitation Sciences
2008-present	Professor (tenured)	MUSC	Department of Rehabilitation Sciences

First Appointment to MUSC: Rank Associate Professor Date: 6/1/1988



Medical University of South Carolina
COLLEGE OF HEALTH PROFESSIONS
ABBREVIATED CURRICULUM VITAE

Date: 4/14/2023

Name: Segal Richard Lawrence
Last First Middle

Citizenship and/or Visa Status: US

Office Address: 77 President Street Telephone: 843-792-4593
Charleston, SC 29425

Education: (Baccalaureate and above)

<u>Institution</u>	<u>Years Attended</u>	<u>Degree/Date</u>	<u>Field of Study</u>
The University of Virginia	1979-1984	PhD	Anatomy and Neuroscience
The Ohio State University	1972-1976	BS	Allied Health

Graduate Medical Training: (Chronological)

	<u>Place</u>	<u>Dates</u>
Internship		

	<u>Place</u>	<u>Dates</u>
Residencies or Postdoctoral:		

Board Certification:

Licensure:	Licensed Physical Therapist South Carolina	Date: 2013-Present
	Licensed Physical Therapist North Carolina	Date: 2005-2016
	Licensed Physical Therapist Georgia	Date: 1984-2013
	Licensed Physical Therapist Maryland	Date: 1976-1984

Faculty appointments: (Begin with initial appointment)

<u>Years</u>	<u>Rank</u>	<u>Institution</u>	<u>Department</u>
1985-1991	Assistant Professor	Emory University School of Medicine	Rehabilitation Medicine
1990-2005	Assistant Professor	Emory University School of Medicine	Cell Biology
1991-1994	Associate Professor (Research Track)	Emory University School of Medicine	Rehabilitation Medicine
1994-2005	Associate Professor (Tenured)	Emory University School of Medicine	Rehabilitation Medicine
2005-Present	Associate Professor (Adjunct)	Emory University School of Medicine	Rehabilitation Medicine
2005-2013	Professor (Tenured)	University of North Carolina at Chapel Hill	Allied Health Sciences
2009-2018	Professor (Adjunct)	University of North Carolina at Chapel Hill	Biomedical Engineering
2013-2018	Professor (Adjunct)	University of North Carolina at Chapel Hill	Allied Health Sciences
2013-2022	Professor (Tenured)	Medical University of South Carolina	Health Professions/Rehabilitation Sciences
2022-2023	Professor (Tenured)	Medical University of South Carolina	Health Sciences and Research

First Appointment to MUSC: Rank Professor (Tenured) Date: 2013

Peter J Carek, MD
Abbreviated Curriculum Vitae
Affiliate Professor
carekjp@musc.edu

Personal Information

No activities entered.

Contact Information

No activities entered.

Degrees

- | | |
|------|---|
| 1992 | M.S., Human Performance and Sports Medicine, University of Tennessee - Knoxville, Tennessee, United States |
| 1987 | B.A., Pre-Professional Studies, Clemson University, South Carolina, United States
M.D., Family Medicine, Medical University of South Carolina, South Carolina, United States |

Post-Graduate Training

- International Leadership Development Program for Physicians, Harvard T. H. Chan School of Public Health., Public Health, May 2019, May 2019
- Post-Doctorate, Medical University of South Carolina, Family Medicine Internship/Residency, September 1987, September 1990
- Post-Doctorate, Ohio Physical Therapy and Sports Medicine Clinic, Primary Care Sports Fellow, September 1990, September 1991
- Post-Doctorate, University of Tennessee Medical Center at Knoxville, Fellow in Sports and Occupational Medicine, September 1991, September 1992

Additional Training

No activities entered.

Certifications

- Special Competency in Sports Medicine, American Academy of Sports Physicians, Effective Date: 1991
- Diplomate, American Board of Family Medicine, Effective Date: 1990-2016
- Diplomate of the National Board of Medical Examiners, Effective Date: 1988
- Certificate of Added Qualifications in Sports Medicine, American Board of Family Medicine, Effective Date: 1995-2014
- Basic Life Support (Provider)
- Advanced Trauma Life Support (Provider)
- Advanced Cardiac Life Support (Instructor)

Professional Licensures

- Tennessee
- South Carolina #14039
- Ohio

MUSC Rank and Promotion History

- Affiliate Professor, Medical University of South Carolina, College of Medicine, Family Medicine, 2023-01-01, 2026-06-30

Clinical Assistant Professor, Medical University of South Carolina, College of Medicine, Family Medicine, 1994-07-01, 1995-01-31

Clinical Instructor, Medical University of South Carolina, College of Medicine, Family Medicine, 1991-07-01, 1992-06-30

Professor, Medical University of South Carolina, College of Medicine, Family Medicine, 2021-08-01, 2022-12-31

Professor, Medical University of South Carolina, College of Medicine, Family Medicine, 2005-07-01, 2013-10-27

Professor, Medical University of South Carolina, College of Medicine, Pediatrics, Pediatric Emergency Medicine, 2013-01-01, 2013-10-27

Associate Professor, Medical University of South Carolina, College of Medicine, Family Medicine, 1999-07-01, 2005-06-30

Assistant Professor, Medical University of South Carolina, College of Medicine, Family Medicine, 1992-07-01, 1994-06-30

Assistant Professor, Medical University of South Carolina, College of Medicine, Family Medicine, 1995-02-01, 1999-06-30

Non-MUSC Rank and Promotion History

Professor with Tenure, University of Florida College of Medicine, 2013, 2021

Professor, University of Florida College of Medicine, 2017, 2021

Professor, University of Florida Graduate School, 2015, 2021

**Medical University of South Carolina
May 2023 Graduates**

Master in Health Administration

Justin Scott Baker
Fantasia Chianne Bowens
Kirk Buono
Peter M. Burrous, Jr.
Rahmel C. Burton
Katherine Louise Campbell Robinson
Hannah Michelle Carr
Jennifer Casey
Virginia Cook
Kylar Lenée Cotter
Katherine Gilland Duffy
Dae Zhane L. Fields
Samantha Mooring Florez
Cameron Marie Frank
Isaac Murray Giddens
Wanda Nichelle Green
Laney Caroline Haigler
Bethany Diane Hamm
Destiny TyVera Harley

Hannah Marie Huckaby
Chinieka J. Jackman
Melina Konstantina Manos
Michael Francis McCaffrey
Matthew Fitzpatrick McGuire
Jaicie Lynn Metz
William David Meyer
Alena Raine Reimer Patton
Emily Jo Perkins
Austin Michael Perry
Eun Kyung Perry
Ragan Allsbrook Richardson
Isabella Lora Riddle
Stuart P. Schwagerman
Julia Stewart Trask
Victoria Viventi
Abigail E. Weekley
Leah Wein
Johnnie Marion Williams

Master of Science in Cardiovascular Perfusion

Jeffrey B. Agre
Madeline Alfieris
Adannaya A. Amadi
Jeremy Lee Bolick
Charles Chaney
Alexander J. Childers
Shelby Louise Curtis
Erin Ashley Harris
Grayson Cooper Hughes
Michael Nolan Jimenez
Brian Patrick Johnides
Jennifer Lee
Emily J. Mauntel
Cory McArthur

Daytona McDonald
Angela E. McIntyre
Daniel Quoc-Hung Nguyen
Sarah Ann Nix
Noelle J. Olm-Trujillo
Grayce Corinne Owens
Jacob Phillips
Tyler Cole Robinson
William Martin Rodell
Tullika Saraf
Carson Schmeck
Garrett Schroder
Caleb Guy Stuart
Johntez Webb

Master of Science in Health Informatics

Faith Elizabeth Halford
Manasa Kukkamalla Ozhathil

Fitih Woldegiorgis

Doctor of Health Administration

Erin Rhea Benfield
Melissa A. Boyles
Ebony Nicole Burns
Joshua Adam Cartwright
Christopher A. Cordero
Ileana Cruz
Traci Dawn DeCongilio
Abel Guevara III
Alex C. Hooper
Ty Lee Hudgens
Adrienne Johnson Ross
Stephen Harris Liebowitz
Jeremy Ortiz Mason

Tawanna A. McInnis-Cole
Derrick Lynn Mitchell II
Larry Norman
Joseph Devone Powe
Caesar C. Ross III
Miranda D. Sandreth
Delaney Lucinda Serfling
Ing-Ing Teng
Kesley D. Tyson
Edrin Rashod Williams
Jessica Kaye Wilson
Mary Zielinski

Doctor of Nurse Anesthesia Practice

Lindsi P. Angel
Adam Arlt
Zachary Arrington
Emily Light Barnett
Lauren Kate Bergman
Lindsey Allison Blackburn
Kelsey A. Coleman
Megan Daumeyer
Francesca Pascua de Guzman
Lindsey Dunn
Allison Eaddy
Dennis A. Flores
Parisa Ghasemi

Alena Marie Hillman
Rhomteen Arthur Houshiar
Travis Ibinger
Courtney Nichole Matthews
Lauren T. McIntosh
Courtney Elyce McNamara
Amelia Louise Poulsen
Jillian Marie Price
Zachary Scott Scarberry
Carol Ann Schmidt
Cori Jane Stroebel
Meredith Rose Wertzberger

Doctor of Occupational Therapy

Emily Rachel Anderson
Rebecca Jo Baltenberger
Jennifer H. Barnett
Kristen Jean Bernard
Allison Seaman Blackburn
Surya Brianna Boyd
Emily Marie Chester
Nancy Ann Crawley
Amy M. Crosby
Madison Ann Crymes
Dorothy Sue Czarnik
Allison Virginia Farrell

Rachel E. Fate
Shayna Leanne Faust
Megan Fix
Catherine Flynn-Parrish
Brooke Leigh Garfield
Miranda Gay
Corinne Elizabeth Gillion
Bianca Maria Gillman
Kathryn Solana Griffin
Rebekah Hollis Howard
McRae Lawrence Jimenez
Alyssa Noelle Johnson

Foster Sue Kirkpatrick
Sarah Grace Lindsey Renner
Stephanie Deena Lucarelli-Engel
Ann Margaret Ludlow
Sara Atkinson Lum
Tomi Marie Martowski
Jennifer Marie May
Ashley Leland Meyers
Kirsten Temple Miller
Natalee Lauren Milton
Meredith Adele Obaytek
Lindsey Pace Ott
Alison Louise Pedrick
Margaret Grayson Porter
Brianna V. Price
Brittany Joyce Randall
Kelsey Lynn Reilly
Megan Anne Reynolds
Ashlynn G Riley

Doctor of Physical Therapy

Katelyn Abernathy
Meghan Beth Andrews
Emily Ann Bellinger
Caroline Leigh Bennett
Tiani Lynn Bradford
Brandon L Brimfield
Laura Catherine Brotherton
Melody Bryden
Kaylee Elizabeth Bumpus
Michael Gene Burgess
Macenzie Christensen
Brittany Cole
Hunter Paul Corkren
John Thomas Curnow
Jylian Damude
Holman Davis
Austin Z. Dixon
Cailin Dorsey
Kirsten R Fink
Nicolette Kaitlyn Fisher
Jessica Garnett
Hannah S. Gordon
John H. Gralyan
Breanna Latisha Grant

Amber Katherine Sansbury
Cynthia L. Schmidt
Kaitlyn Marie Schultz
Laurin Suzanne Schultz
Dedreanna A. Scott
Katy Sarah Smith
Della Danielle Spratt DuPre
Shannon Grace Stohlman
Kessler Elizabeth Thompson
LeeAnn Michelle Tiffany
Alexandra Doubles Underwood
Caroline Laurel Ward
Daijah Washington
Gordon Washington, Jr.
John M. White
Madison Caroline White
Acacia Williams
Lauren Grace Wilson

Alexander Robert Graulich
Breland A. Green
Meredith Hardy
Brianna Nichelle Harris
Elliot Hernandez
Madison Taylor Hinson
Kelsey Elise Hopson
Cynthia Anne Hund
Michelle Nicole Hunt
Joshua Isaacks
Anne Barnwell Jenkins
Erin Margaret Kelm
Logan Virginia Virella Kraft
Haley Kubinak
Jordan Nicole Lang
Taylor Ray Mayberry
Rachel Abigail McLaughlin
Lindsey Joelle Miller
Kristen Elizabeth Montgomery
Jackson McDaniel Morgan
Megan R. Murphy
Alvina Peralta
Emily Ruth Pridmore
Brett Andrew Pugh

Madyson Taylor Reed
Maegan Patricia Reed
Joseph Richter
Katie Darlene Rogers
Katherine Mary Samonsky
Francesca Schoning
Trent Jack Schumpert
Christian C. Shave
Andrew M. Slaven

Daniel T. Smith
Elena Victoria Smith
Nicolas J. Thomas
James Watson
Elizabeth Kateri Whelan
Summer Francis York
Anna Katerina Zuloaga
Marta Anna Zwolski

Doctor of Philosophy - Rehabilitation Sciences

Christine Couch
Emerson Elizabeth Hart

Parker Andrew Rhoden

Bachelor of Science in Nursing

Kara R. Allen
Ashleigh A. Baker
Kayla Alexandra Baus
Megan Elizabeth Berry
Amelia Biancardi
Walter William Zachary Boden
Amanda Bordón
Christina Lauren Burnley
Colleen Canary
Jessica R. Claborn
Madison Rylee Clemons
Alyssa Marie Cooper
Nika Dadoly
Kourtney Lee Dobmeier
James Gatlin Docherty
Caroline Gervais Dunn
Caroline D. Durham
Matthew Bryan Egbert
Madison Claire Farrell
Brianna Je'na Ferguson
Kaitlyn Floyd
Erin Rachel Fogarty
Chun Chung Fong
Caitlin Ford
Annalisse Cristina Garcia
Brittiany Nicole Garcia
Alanna Dior Geoffroy
Taylor Marie Grigg
Laikyn Elizabeth Hackett

Allison Ann Haines
Elizabeth Anne Hanlon
Brittany Haskins
Lucas John Hess
Robert William Hitzig
Madison Hodges
Caroline Elyse Igo
Grant M. Johannsen
Hannah R. Jungck
Katherine Marie Keating
Hannah Nicole Knight
Ariel Starling Marcoux
Alexandra Ann Marshall
Holly McCloud
K'Nayshia McGill
Alexis Marie McNeil
Alexis Montgomery
Malashia Keonna Nesbitt
Caroline Patricia O'Brien
Summer O'Hara
Jackson Parra
Hannah Lenore Pate
Kathryn Taylor Phillips
Olivia Caroline Phillips
Taylor Ann Preston
Anna Crandall Redderson
Justin David Reed
Reilly Elizabeth Roberts
Randii Elizabeth Sardinas

Vivian Sayavong
Lauren Risé Sheehan
Kayla Ann Smith
Mary Grace Smith
Macey Sommers
Kristina Stepanova
Nancy Eliza Sterrett
Ellen Strain

Shelby Leigh Thode
Noelle Marie Toye
Sherice Katherine Walker
Kylie Walton
Jenna Lynn Wilson
Mary Courtney Wine
Cassandra Zak

Doctor of Nursing Practice

Lakara Sherrell Alston
Cyndi Jenay Anderson
Alexandra Bonovitch
Kendall Grady Bowler
Elyse Rebecca Breit
Rachel Noelle Brown
Katie Cathcart
Hailey Kristina Crider
Shannon Nicole DiRoma
Delanie Nicole Dreyer
Kristina Diane Everhart
Emily Webster Freeman
Rachel Michelle Friend
Julia Garcia
Briana Gorgy
Amber Hess
Virginia Hungerpiller
Alejandra M. Ivey
Abby Amelia Henrietta Kent
Lauren Taylor McLean
Alicia B. Milan
Whitney Michelle Mullen Dellinger

Destiny Rynette Murph
Amanda Librizzi Muth
Kiara Ayanna Nix
Benjamin Andrew Oliver
Ifeoma Onyeike
Doris Owusu Amoah
Lillian Turnage Pack
Eden Rose Picow
Mary Katherine Porter
Zoie Alexandra Reviere
Jessica Rodriguez-West
Josephine Sterling Sagoo
Stefany L. Scaringi
Allison F. Sheppard
Molly Ann Short
Jennifer Marie Smith
Lindsay Victoria Tanis Mezzadri
Leigh Tollison
Kayla Saunders Trevillian
Kyrsten Urff
Beth Ann Williams
Emily McMahon Young

Doctor of Philosophy - Nursing

Katrina Wu

Master of Science in Biomedical Sciences

Clinton Savio Coelho
Ruiqi Wang

Jacob Daniel Weaver

Master of Science in Clinical Research

Thomas W. Larrew
Nicholas Teodor Strat

Mason Walgrave
Michael Robert Wedoff

Master of Science in Medical Sciences

Sahery Arain
Traeannah Pa'Lar Brown
Lynsey Marie Campbell
Abigail Chase
Ryan Crawford
William Connor Davey
Samuel Lee Horkey
Samuel Mikell Kistler
McCollum Littlejohn
Thomas F. Magda
Jennifer McGuire

John Cain McKay
Linnea A Meletioui
Njasi Oji
Peter Michael Payne III
Daniel Pena
Madeline Claire Pierce
Corinne Nichol Reda
Daniel Slaich
Jon Stephen Yarbrough
Joseph M. Zavell

Doctor of Philosophy – Graduate Studies

Matthew David Carson
Kevin A. Caulfield
Allen J. Chang
Amanda Daulagala
Andrew Taylor DelaCourt
Parker Dryja

Alhaji Harune Janneh
Charles Matthew Kerr
Sherry Irene Livingston
Lily Soon Neff
Shaaron Ochoa-Rios
Denys Rujchanarong

Doctor of Pharmacy

Shahad Alghamdi
Mary Palmer Askins
Lauren Elizabeth Bingham
Lauren Catherine Bleggi
Edward Earl Bost III
Cameron R. Brakefield
Emma M. Bredberg
Rachel Marie Carlton
Riley Caroline Chafer
Larry La'vontae Cooper
Bich Ngoc Thi Dao
Caroline Donaldson
Christopher Donaldson
Anna Clare Eckrich
Melissa Elliot
Ashleigh Lauren Floyd

Amanda Forrest
Leah Abbott Furlough
Dorothy M. Gaddis
Skylar Haas
Hunter Elizabeth Hanna
Taylor Elizabeth Herrington
Brittany Anne Houston
Mattie Elizabeth Hucks
John Chase Huston
Jihyun Kim
Kayla Marie Kleinfeldt
Macy Patricia Krimm
Rushan Li
Jane Ann Luu
Megan Brittany Maree
Evan B. McIntosh

Maria Kathryn Miller
Luke William Nesbitt
Cory Newman
Natalie Louise Nix
Ifeoma Kristie Okonkwo
Emilie Thomas Parkman
Ami Patel
Mitesh Satish Patel
Smit Patel
Alexander Sheldon Perales
Bradley Piaskowski
Delaney Kay Pirkle
Hillary Anne Reeves
Andres Martinez Rodriguez
Jessa Mae H. Sabate
Tamara Salem
Jessi Elizabeth Shelton

Kevin Simaku
Sierra Daniele Simmons
Edward Page Spivey
Kaleigh Miller Steelman
Madelyn Suddreth
Christopher Jordan Taylor
Taylor Ann Thomas
Brittian Kyle Usher
Alexa Jade Ussery
Amanda Vickers
Eric Charles Warne
Nichole Marie Waters
Keondrece Meonna Williams
Melina M. Wingerter
Tina Shider Wright
Mikayla A. Yaskulski
Tina A. Zhou

Master of Science in Dentistry

Waqar Ahmad
Waleed Rabah Alkakhn
Emilie Ann Rosset Ammoura
Michael Thomas Bocklet

Ashley Taylor Fox
Caylin Nicole McCullough
Morgan Jasper VerHage

Doctor of Dental Medicine

Ryan Adel Abdullah
Hannah Caroline Bannister
Joanna Elizabeth Bauer
Jonathan Paul Beller
Jenna Nicole Benson
Thomas Gunnar Branham
Beau Lyndon Broussard
Charles Nuchols Buck III
Nolin Clark Butler
Nathaniel Taylor Calvert
Mollie Elizabeth Capone
Jae Cho
Hayden Kennedy Covington
Kyle Spencer Dennis
Bailey Len  e Duffy
Lauren Elizabeth Duggar
Sydney Elizabeth Ellen
Julia Elaine Filler

Katherine Lloyd Flynn
George Campbell Foster
Jonathan Paul Gardner
Savannah Hollis Grant
Gaines Wardlaw Hammond III
Taylor Anna Hansis
Andrew Clayton Harper
Cody Shawn Hayden
Heather Brooke Hayden
Brennan M. Hill
Kelley Nicole Hoad
Tanner Christian Holt
Sammy Lee Huynh
Weston T. Jackson
Caitlyn Johnson
Hannah LeAnn Jordan
Kyle Richard Kilpatrick II
Jennie Jihyun Kim

Kolby Tronier Klingler
Jesse Beasley Knowlton
Mackenzie Grace Long
Sindasha Kreova Makins
Daniyaal Ahmed Malik
Kacey Lauren Medlin
Jordyn Nicole Meyer
Robert Davis Milholland
Margaret Catherine Moffett
Samantha Anne Mullis
Tyler Lovelle Nguyen
Francisca Ginikachi Onyiuke
Alexis Karishma Patel
Karishma Patel
Alissa Fowler Payseur
Hannah Davis Price
Jessica Lynn Price
Makena Kaiulani Rakouska
Carlos Mario Restrepo
Jack Liam Rogan
Bradley Thorban Sanders

Laura Meredith Saunders
Pierce Lee Saunders
Nicholas Alexander Schuster
William Henry Seals, III
Hannah Marie Seaton
Tyler Christopher Senn
Coral Simantov-Maman
Kathryn C. Slay
Jacob Solomon
Shelby Blaire Stoltz
Keith Wilson Strausbaugh Jr.
Ann Truong Thai
Jared Anthony Robohn Totaro
Haley Ki'les Vann
David Collinsworth Walker Jr.
Price Matthew Watson
Brittany Michelle Watts
Jacob Daniel White
Mark Dorsey Wilson
Kaylin Young

Doctor of Dental Medicine & Doctor of Philosophy

Jaden Sophien Lee

Master in Public Health

Aubree Leigh Johnson
Malayna Reneé Makeba Nesbitt
Shivani Patel

Phayvanh Phithaksounthone Pecha
Bria N. Sanders
Hanna Stirn

Doctor of Medicine

Lauren Evey Adams
Taylor Regan Addison
Thomas John Agostini
Jonathan F. Aldinger
Michael Louis Attanasi
Claire Marie Aucoin
Sarah Babb
Cameron Bailey
Evan P. Bailey
Victoria Olabunmi Erinayo Bailey

Catherine Shirer Barker
Amber Bauer
Nicholas Allen Baxter
Casey Behnke
Kimberly Catherine Benson
Evan Christopher Biles
Noah Blaker
Marissa Boettcher
Dawson Gregory Bolus
Samantha Bookbinder

Avi Borad
Gabriel Thomas Brandner
Rebecca Ann Brantley
Paul William Brocklebank II
Bradley Ramsey Brodie
Adam Michael Brown
Andrew Parker Burnikel
Ariana Savannah Campbell +
Landin F. Carson
Aniqa Chowdhury
Daniel Nathan Cook
Emily Renee Cosentino
Sean Derek Cosh
Henry Germain Danois
Victoria Davis Delk
Ansley Claire DeVore
McKenzie Ann Dirr
Sophia Adaugo Emetu
Jason Michael Erno
Rachel M. Fenner
William Evans Few
Matthew Ian Fiegel
Logan Dierks Fitzpatrick
Wilson Frederick Ford
William Harrison Gaines
Dominique Victoria Gardner
Hannah Gaulden
Dante Anthony Giovagnoli
Jacob K. Goforth
Elena Margot Goldstein
Riley Graham
Gary Walter Grear
Arica Jordan Gregory
Sean Michael Greiner
Elise Marie Gruber
Qi Jin Guo
John P. Hall III
Clayton Thomas Hamilton
Matthew Robert Harberg
William Andrew Hardy
Stiles Mikell Harper III
Emma Taylor Hawkins
William Garrett Hayes
Morgan A. Hill
Haley Hopkinson
Joshua Curtis Hutchinson

Sydney Reed Jackson
Polly Merin Jasper
Mackenzie Jones
Mary Katherine Jones
Katherine A. Kiley
Xzavier Michael Killings
Margaret Mary LaPorte
Jared Thane Laymon
Alice Kim Le
Nathan Robert Leaphart
Chanbormey Leatheng
Danielle Victoria Lefebvre
Christopher Stephen Litts, Jr.
Georgia W. Lydon
John Marshall Mahan
Jonathan Mallory
Hannah Catherine Manzi
Logan Lee Martin
Martin William McCarter IV
Hannah Elizabeth McDonald +
Hannah Sanders Meyers
Townes Alston Mickel
Emma Marin Miller
Ana Sofia Montoya
Jeremy David Moore
Anand Jittin Mulji
Gualberto Muñoz
Sophia Catherine Nance
Garrett Bowers Neel
Katherine Quinn Newman
William Newton
Ngozi Bridget Ogburu-Ogbonnaya
Namrata Paladugu
Marlaina Ashley Parker
Jackson Dean Pearce
O'Connell Caleb Penrose
Samantha M. Perez
Kristen Marie Phlegar
John Stuart Mattison Pike
Royal Mansukhlal Pipaliya
Ronak M. Pipaliya
Anjali Brenna Prior
Madison Paige Quigley +
William Furtick Randall
Margaret O. Reilly
Hannah Janelle Robinson

Nodia Victoria Robinson
Joel Seltzer Rosenblum
Warren Joseph Roth
Alexander Jacob Rovner
Mark Andrew Rowley Jr
Melanie Shea Rubin
Caleb Mark Shields
Aakash Shingala
Brielle Montana Smith
Briggs Anderson Smith
Rachael Lauren Smith
Robert Morris Smith
Michael J Stritch
Allison Kay Sullivan
Karina Gabriella Vivas Suri
Eric A. Taylor
Peyton Ashley Tharp

Joseph Anthony Tracey III +
Nicholas Tranchitella
Abigail Marie Truitt
Isabella Elena Bezerra Valente
Josh Van Swol
Nicole Vonada
Raines MacPhail Waggett
Preston Walker
Olivia Agata Walkowiak
Elijah Marcus Weber
Luke Alden Wessler +
James R. West III
David Jay Wilson
Bartlett Jones Witherspoon V
Nestor B. Worobetz, Jr.
Andrew David Wortham
Gabrielle Young

Doctor of Medicine & Master of Science in Clinical Research

Laura Arden Andrews
Kelly M. Atherton
Joseph Parkwood Griffith III
Connor Alexander Lentz

Narayan Raghava
Chelsea Noelle Shope
Emily Ye

Doctor of Medicine & Doctor of Philosophy

Stewart Shelby Cox
Shannon Weber Doult
Hannah Marie Knochelmann

Emilie Tuijnder McKinnon
Mohamad Mahdi Sleiman
Amer Toutonji

+ Pending Completion of Requirements