

Dean's Office - Research Annual Report 2023

A LETTER FROM THE ASSOCIATE DEAN

Dr. Colleen Kelley, MD, MPH
Associate Dean for Research, Emory at Grady



In 2022, the Emory School of Medicine generated a strategic plan to expand research at Grady by fostering a culture of innovation and inquiry within our academic community through an equity lens. As the inaugural Associate Dean for Research for Emory at Grady, I am immensely proud of the strides that we have made in enhancing our research activities in 2023 as presented in this annual report.

This past year marked the successful launch of our research office within the Emory at Grady Dean's Office. This initiative has already begun to yield promising results, with several important projects underway. I am excited to see the impact of our work in the years to come.

In addition to the successful establishment of the Emory at Grady research office, we have also made significant progress on a number of key initiatives aimed at enhancing our research capabilities and expanding our collaborative networks. Our efforts to strengthen interdisciplinary research partnerships have led to fruitful collaborations across departments, institutions, and the Grady Office of Research Administration; paving the way for innovative solutions to complex challenges.

Furthermore, I am pleased to report that funding for the EMCF research grant has increased to \$35,000, reflecting the growing recognition of the importance of this pilot grant program within the broader academic and funding communities.

We have also created a new programmatic research support program to enhance multidisciplinary research programs based at Grady. This influx of financial resources will enable us to further invest in our investigators and their pursuit of research excellence.

Looking ahead to 2024, I am filled with optimism and enthusiasm for the future of Emory at Grady research. Building upon the solid foundation that we have established, we will continue to prioritize innovation, collaboration, and impact in all that we do. Our goal is not only to push the boundaries of knowledge but also to leverage our research in the pursuit of health equity for our Grady patients and community.

I am so grateful to each and every one of you for your dedication and commitment to advancing our research mission. It is through our collective efforts and shared vision that we will continue to make meaningful contributions to our Emory at Grady community.

Thank you for your continued support, and here's to a successful and productive year ahead.

MEET THE TEAM



Dr. Colleen Kelley, MD, MPH

Associate Dean for
Research



Naquia Mitchell, MPH, BSN

Associate Director for Research
Programs & Operations



Madelyn Erbey

Graduate Student Intern

Product Manager



Sammie Glass

Undergraduate Student Intern

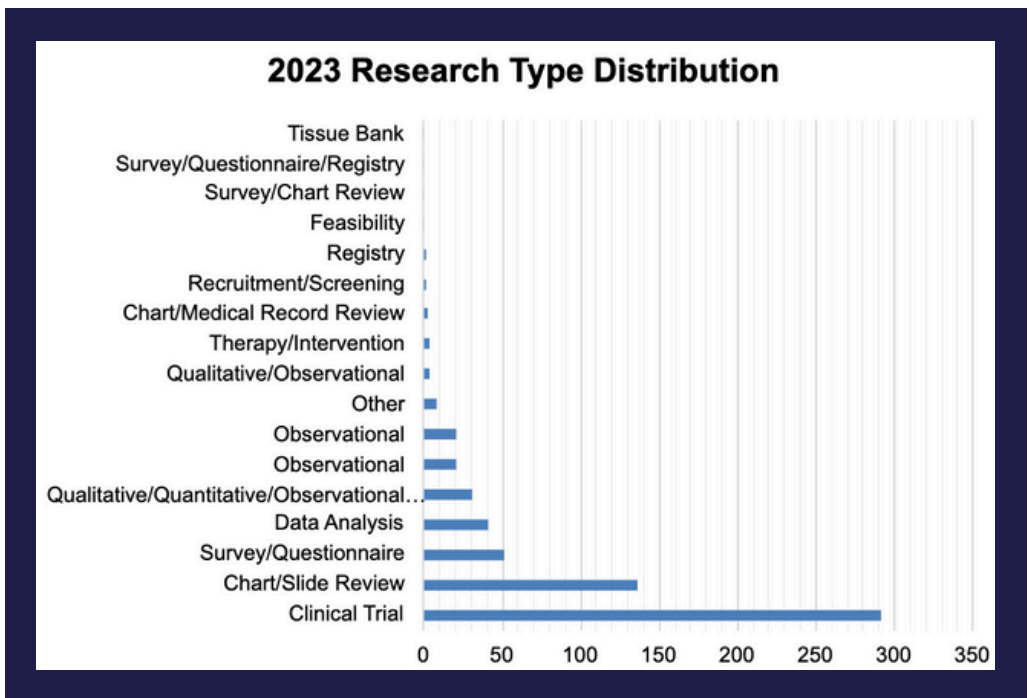
2023 by the Numbers

NUMBER OF
GROC
APPROVED
PROTOCOLS

589

NUMBER OF
CLINICAL
FACULTY WITH
RESEARCH
FUNDING

199



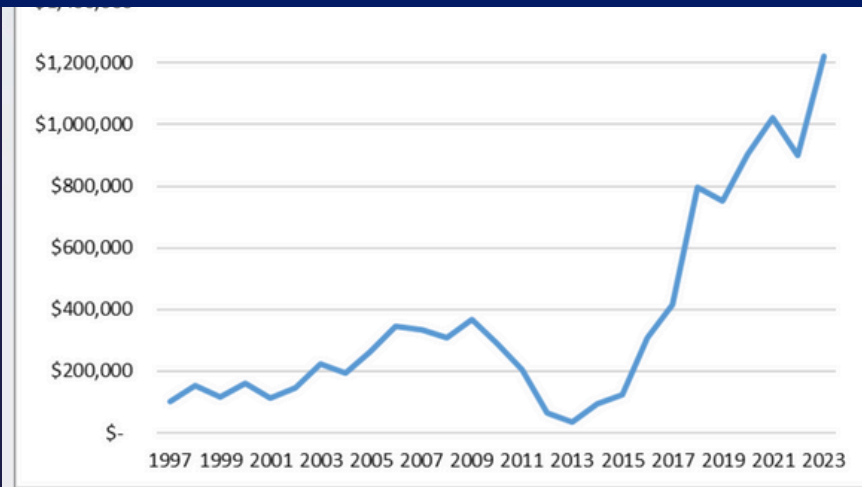
47% of studies were Clinical Trials, followed by Chart/Slide Reviews (22%) and Survey/Questionnaires (8%)

Submission Type Distribution	
New	124
Renewal	465

**DATA IS BASED ON FEBRUARY 2023 THROUGH DECEMBER 2023

2023 by the Numbers

EMORY UNIVERSITY SCHOOL OF MEDICINE FACILITY & ADMINISTRATIVE COSTS (FAC) TO GRADY HEALTH SYSTEMS



On an annual basis, Emory returns a portion of the FAC reimbursement received from external sources

DEPARTMENTS ENGAGED IN RESEARCH

Infectious Diseases, Pediatrics, Emergency Medicine, Psychology, Psychiatry, Radiology, GYN/OB, HMO, Pulmonary, Surgery, Endocrinology, Rheumatology, Neurology, Dermatology, Ophthalmology, Orthopedics, Radiation Oncology, Cardiology, Otolaryngology, Pathology, Nephrology, Palliative Care, Geriatrics

ESTIMATED SPONSORED RESEARCH AWARDS HELD BY GRADY FACULTY

Sponsor Type	2017	2018	2019	2020	2021	2022	2023
NIH	14,411,476	14,108,885	24,262,957	23,681,250	25,173,722	26,874,329	24,715,120
Other Agencies	21,953,383	37,612,682	27,444,977	44,351,823	30,528,048	28,831,273	37,805,008
Total	36,364,859	51,721,567	51,707,934	68,033,073	55,701,770	55,705,602	62,520,128

ENGAGE WITH KEY STAKEHOLDERS

In order to make strides in the administrative efforts led by this office and truly connect with the research community, our team held numerous meetings with key stakeholders.

>100
Investigators

>35 Research
Teams



EXPAND AND STREAMLINE RESEARCH INFRASTRUCTURE

A primary aim of the Emory at Grady Research Office for 2023 was to expand and streamline the research infrastructure to better serve as a conduit between the Emory and Grady Research Offices. The existing documentation process was fragmented, resulting in difficulty tracking research progress.

1

Implementation of a Streamlined Submission Process for Badge and EPIC Requests

2

Development of Tip Sheets that Highlight Required Documents for Submission

3

Creation of Surveys to Enhance Knowledge of Bottlenecks and to Support Comprehensive Tracking of Research Protocols

Focusing our efforts on enhancing the research infrastructure has allowed our office to remain a strong support for researchers in the Grady community while also developing metrics to track these projects' success.



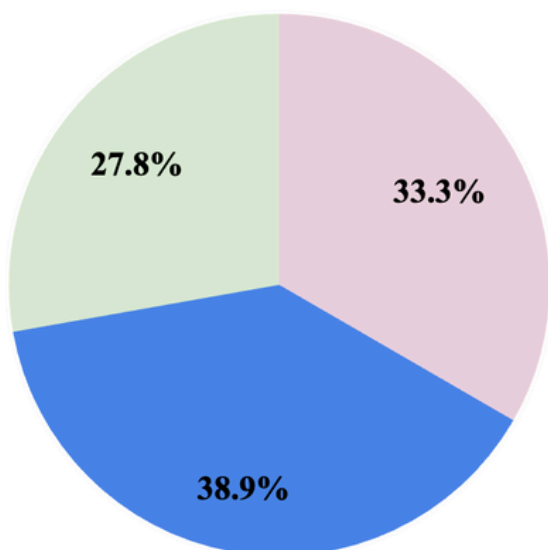
RESEARCH ADVISORY COMMITTEE

The Emory @ Grady Research Advisory Committee (RAC) works in tandem with the Associate Dean for Research on several research related issues with the ultimate aim of enhancing the research mission at Grady.

Initiatives:

- Consideration for shared services / infrastructure resources
- Recommendations for process improvements for Primary Investigators and Research Staff working with Grady and University research infrastructure
- Establishment of oversight protocols for research related data requests
- Recommendations of criteria and guiding principles to support evaluation for EMCF strategic investment and funding requests for research projects

RAC Attendees



- Associate Professor
- Professor
- Staff

14 Departments - 4 Working Groups

COMMUNITY ENGAGEMENT

PHILANTHROPY

DATA ACCESS

EMCF GRANTS

EMCF AWARD EVALUATION

The Grant Progress Report Summary has been sent to researchers from 2013 to 2023 with a 45% response rate, providing great insight into the success of the EMCF Awards.

EMCF Research Awards-Downstream Impact:

32
Publications

23 Future
Grants

**Total Funded
Amount > \$24
Million**

**10 R01 Awards
4 CDAs**

Increased EMCF award amount to
\$35,000
Considering topic-specific annual
requests for application

PROGRAMMATIC SUPPORT REQUESTS

Emory @ Grady invested in Programmatic Research Support
in 2023.

**Calls for Proposals Jan 1
and July 1**

***First deadline January 2024**

**Maximum Funding of
\$75,000/year x 2 years**

Letters of Request

- **Brief description of request and how funds will be utilized**
- **Defined deliverables**
- **Grady faculty and/or cross-discipline impact**
- **Funding history and future potential of program**
- **Impact on Grady populations and/or health disparities**
- **Sustainability of program after EMCF support expires**

RESEARCH STAFF CHECK-IN

The Research Staff Group meets on a quarterly basis to discuss the Emory @ Grady Research operations in order to identify areas for improvement.

**20 Departments
Represented**

**Average of 37
Individuals in
Attendance**

WORKING GROUPS

**Process
Improvement**

Communications

**EPIC / Data
Access**

HIGH IMPACT JOURNALS



LANCET DIABETES & ENDOCRINOLOGY

JAMA

DIABETES CARE

BLOOD

LANCET HIV

JOURNAL OF THE NATIONAL COMPREHENSIVE CANCER
NETWORK

ANNALS OF NEUROLOGY

CLINICAL INFECTIOUS DISEASES

*HIGH IMPACT BASED ON THE SCIMAJO JOURNAL RANK

2023 PUBLICATION STATISTICS

**187
Manuscripts
Total**

**On average, 13 iCite
Citations for
Manuscripts with
Altmetric Score >20**

**503 News
mentions
4 Policy
mentions**

Manuscripts with an Altmetric Score >20

Altmetric tracks online engagement to reveal how and where research is making a difference.

1. Samson SL, et al. American Association of Clinical Endocrinology Consensus Statement: Comprehensive Type 2 Diabetes Management Algorithm - 2023 Update. *Endocr Pract.* 2023 May;29(5):305-340. **Altmetric Score: 875**
2. Ratcliff JJ, et al. Early Minimally Invasive Removal of Intracerebral Hemorrhage (ENRICH): Study protocol for a multi-centered two-arm randomized adaptive trial. *Front Neurol.* 2023 Mar 16;14:1126958. **Altmetric Score: 601**
3. Gandhi RT, et al. Antiretroviral Drugs for Treatment and Prevention of HIV Infection in Adults: 2022 Recommendations of the International Antiviral Society-USA Panel. *JAMA.* 2023 Jan 3;329(1):63-84. **Altmetric Score: 504**
4. Buie J, et al. Disparities in Lupus and the Role of Social Determinants of Health: Current State of Knowledge and Directions for Future Research. *ACR Open Rheumatol.* 2023 Sep;5(9):454-464. **Altmetric Score: 320**
5. Cortes-Penfield NW, et al. Evaluation and Management of Diabetes-related Foot Infections. *Clin Infect Dis.* 2023 Aug 14;77(3):e1-e13. **Altmetric Score: 285**
6. Marto JP, et al. Safety and Outcome of Revascularization Treatment in Patients With Acute Ischemic Stroke and COVID-19: The Global COVID-19 Stroke Registry. *Neurology.* 2023 Feb 14;100(7):e739-e750. **Altmetric Score: 284**
7. Nguyen TN, et al. Endovascular Versus Medical Management of Posterior Cerebral Artery Occlusion Stroke: The PLATO Study. *Stroke.* 2023 Jul;54(7):1708-1717. **Altmetric Score: 272**
8. Battelino T, et al. Continuous glucose monitoring and metrics for clinical trials: an international consensus statement. *Lancet Diabetes Endocrinol.* 2023 Jan;11(1):42-57. **Altmetric Score: 259**
9. Nguyen TN, et al. Global Impact of the COVID-19 Pandemic on Stroke Volumes and Cerebrovascular Events: A 1-Year Follow-up. *Neurology.* 2023 Jan 24;100(4):e408-e421. **Altmetric Score: 234**
10. Yeung H, et al. Reaffirmed USPSTF Recommendation Against Serologic Screening for Genital Herpes: Empowering Clinicians and Reducing Potential Harm. *JAMA Dermatol.* 2023 Apr 1;159(4):371-373. **Altmetric Score: 205**
11. Temesgen Z, et al. C reactive protein utilisation, a biomarker for early COVID-19 treatment, improves lenzilumab efficacy: results from the randomised phase 3 'LIVE-AIR' trial. *Thorax.* 2023 Jun;78(6):606-616. **Altmetric Score: 133**
12. Moreno R, et al. The Sequential Organ Failure Assessment (SOFA) Score: has the time come for an update? *Crit Care.* 2023 Jan 13;27(1):15. **Altmetric Score: 81**
13. Carpenter JE, et al. Use of nonstigmatizing language is associated with improved outcomes in hospitalized people who inject drugs. *J Hosp Med.* 2023 Aug;18(8):670-676. **Altmetric Score: 75**
14. Galindo RJ, et al. Use and continuity of weight-modifying medications among adults with diabetes and overweight/obesity: US population study. *Obesity (Silver Spring).* 2023 Dec;31(12):2924-2935. **Altmetric Score: 67**
15. Person AK, et al. Principles for Ending Human Immunodeficiency Virus as an Epidemic in the United States: A Policy Paper of the Infectious Diseases Society of America and the HIV Medical Association. *Clin Infect Dis.* 2023 Jan 6;76(1):1-9. **Altmetric Score: 48**
16. Collins LF, et al. Aging-Related Comorbidity Burden Among Women and Men With or At-Risk for HIV in the US, 2008-2019. *JAMA Netw Open.* 2023 Aug 1;6(8):e2327584. **Altmetric Score: 47**
17. Ebekozi O, et al. Longitudinal Trends in Glycemic Outcomes and Technology Use for Over 48,000 People with Type 1 Diabetes (2016-2022) from the T1D Exchange Quality Improvement Collaborative. *Diabetes Technol Ther.* 2023 Nov;25(11):765-773. **Altmetric Score: 41**
18. Landovitz RJ, et al. Efficacy and safety of long-acting cabotegravir compared with daily oral tenofovir disoproxil fumarate plus emtricitabine to prevent HIV infection in cisgender men and transgender women who have sex with men 1 year after study unblinding: a secondary analysis of the phase 2b and 3 HPTN 083 randomised controlled trial. *Lancet HIV.* 2023 Dec;10(12):e767-e778. **Altmetric Score: 41**
19. Uehling M, et al. Advancing Equity in U.S. Hospital Systems: Employee Understandings of Health Equity and Steps for Improvement. *J Healthc Manag.* 2023 Sep-Oct 01;68(5):342-355. **Altmetric Score: 40**
20. Darcourt J, et al. Identifying ex vivo acute ischemic stroke thrombus composition using electrochemical impedance spectroscopy. *Interv Neuroradiol.* 2023 May 16;15910199231175377. **Altmetric Score: 37**
21. Fluyau D, et al. Beyond benzodiazepines: a meta-analysis and narrative synthesis of the efficacy and safety of alternative options for alcohol withdrawal syndrome management. *Eur J Clin Pharmacol.* 2023 Sep;79(9):1147-1157. **Altmetric Score: 34**
22. Harding JL, et al. The bidirectional association between diabetes and long-COVID-19 - A systematic review. *Diabetes Res Clin Pract.* 2023 Jan;195:110202. **Altmetric Score: 32**
23. Scherer EM, et al. The Coronavirus Disease 2019 Pandemic Unmasked the Challenges Faced by Early-Stage Faculty in Infectious Diseases: A Call to Action. *Clin Infect Dis.* 2023 Feb 18;76(4):753-759. **Altmetric Score: 31**
24. Siegler JE, et al. Endovascular vs Medical Management for Late Anterior Large Vessel Occlusion With Prestroke Disability: Analysis of CLEAR and RESCUE-Japan. *Neurology.* 2023 Feb 14;100(7):e751-e763. **Altmetric Score: 30**
25. Choron RL, et al. Outcomes among trauma patients with duodenal leak following primary versus complex repair of duodenal injuries: An Eastern Association for the Surgery of Trauma multicenter trial. *J Trauma Acute Care Surg.* 2023 Jul 1;95(1):151-159. **Altmetric Score: 29**
26. McCoy RG, et al. Rates of Hypoglycemic and Hyperglycemic Emergencies Among U.S. Adults With Diabetes, 2011-2020. *Diabetes Care.* 2023 Feb 1;46(2):e69-e71. **Altmetric Score: 28**
27. Nogueira RG, et al. Higher Procedural Volumes Are Associated with Faster Treatment Times, Better Functional Outcomes, and Lower Mortality in Patients Undergoing Endovascular Treatment for Acute Ischemic Stroke. *Ann Neurol.* 2023 Sep 20. **Altmetric Score: 27**
28. Thompson CM, et al. Perception of Treatment Success and Impact on Function with Antibiotics or Appendectomy for Appendicitis: A Randomized Clinical Trial with an Observational Cohort. *Ann Surg.* 2023 Jun 1;277(6):886-893. **Altmetric Score: 22**
29. Mohammaden MH, et al. Rescue intracranial stenting for failed posterior circulation thrombectomy: analysis from the Stenting and Angioplasty in NeuroThrombectomy (SAINT) study. *J Neurointerv Surg.* 2023 Sep 12;jnis-2023-020676. **Altmetric Score: 22**
30. Al-Bayati AR, et al. Optical Coherence Tomography in the Evaluation of Suspected Carotid Webs. *J Neurointerv Surg.* 2023 Nov 24;jnis-2023-020813. **Altmetric Score: 22**
31. Carroll JJ, et al. Evidence-Based Interventions to Improve Opioid Prescribing in Primary Care: a Qualitative Assessment of Implementation in Two Studies. *J Gen Intern Med.* 2023 Jun;38(8):1794-1801. **Altmetric Score: 21**
32. Walker TA, et al. Mild antecedent COVID-19 associated with symptom-specific post-acute sequelae. *PLoS One.* 2023 Jul 10;18(7):e0288391. **Altmetric Score: 21**
33. Waters M, et al. Astegolimab or Efmardocokin Alfa in Patients With Severe COVID-19 Pneumonia: A Randomized, Phase 2 Trial. *Crit Care Med.* 2023 Jan 1;51(1):103-116. **Altmetric Score: 20**
34. Mohammaden MH, et al. General anesthesia vs procedural sedation for failed NeuroThrombectomy undergoing rescue stenting: intention to treat analysis. *J Neurointerv Surg.* 2023 Nov;15(e2):e240-e247. **Altmetric Score: 20**
35. McCoy RG, et al. All-cause mortality after hypoglycemic and hyperglycemic emergencies among U.S. adults with diabetes, 2011-2020. *Diabetes Res Clin Pract.* 2023 Mar;197:110263. **Altmetric Score: 20**

A LOOK INTO THE FUTURE

This year was marked by incredible successes within the Emory at Grady Research Office, however as we look into the future the team has outlined steps to ensure that we are constantly striving to create a more inclusive, comprehensive, and efficient research system.



**IMPLEMENT A PORTAL SYSTEM FOR
RESEARCH APPROVALS AND TRACKING**



**ENHANCE RESEARCH
ADMINISTRATION INFRASTRUCTURE
AT GRADY**



**SUPPORT NEW RESEARCH FACULTY
RECRUITMENT**



**ESTABLISH A CENTER FOR HEALTH
EQUITY & JUSTICE RESEARCH**
