



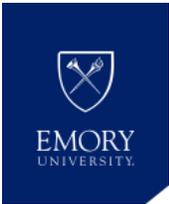
The Department of Family and Preventive Medicine

A Decade in Review

2014 - 2023



EMORY
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MEDICINE



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Executive Summary

The time is right to review the last decade of accomplishments for the Department of Family and Preventive medicine. Dr. Kate Halpern served as interim Chair for the Department nearly two years. Her time as Chair followed nearly two-decades of leadership from Department founding Chair, Lawrence Lutz. Dr. Theodore Johnson began what is now a near 10-year term of department leadership as of November 2014.

When the HRSA funded AIDS Education and Training Center (Schwartz, PD) was not renewed in early 2015, the Department was starting with no NIH, governmental, or foundation funding. This document serves as a review of accomplishments from 2014 to date and serves as the beginning of a conversation on re-capitalization and additional strategic investment based on the **exceptional expansion in external funding for primary care and population health research that grew from a one-time, lump-sum investment made in 2014 for Family and Preventive Medicine.**

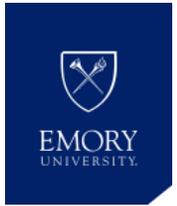
While primary care research funding has increased substantially, the completion of spending of these initial sources of funds means that we have limited ability to use these achievements to further accelerate growth now that we are at an upward inflection point. Successful additional research expansion within priority thematic areas will be limited without additional capitalization given the finite nature of remaining funds.

Nearly all the strategic investments have been in junior faculty newly out of training. Concordant with the excellence to eminence plan, we should additionally pursue mid-and senior-level faculty to round out focus areas and to allow for the development of center/program project applications.

The need to develop the next generation of researchers is critical, and it should be done here at Emory. The continued success and growth of primary care research demands a plan for retaining highly successful junior learners, as well as targeted recruitments. This “pipeline” issue is not unique to Emory but is common nationally. Emory should develop specific plans for recruiting and cultivating high potential future leaders across academic career stages and for helping senior leaders identify and train their successors. Preemptory investment in our most valuable faculty will enable their success and inoculate against their recruitment elsewhere.

The Importance of Primary Care:

- 1) Addresses the national shortage of healthcare providers by training more providers
- 2) Addresses the recent ACA-inspired emphasis on preventive care
- 3) Keeps healthcare costs down and improves patient outcomes by
 - keeping people healthy and out of the ED
 - managing chronic diseases
 - shifting to patient-centered care models and inter-disciplinary teams
 - assessing the home environment, providing caregiver education and support, and addressing health literacy, health inequities, and other barriers to care



Leadership Overview

2014

Dr. Ted Johnson became Chair of the Department of Family and Preventive Medicine, which includes the Division of Family Medicine and the Family Medicine Residency, the Division of Preventive Medicine and the Preventive Medicine Residency, the Physician Assistant Program, the Division of Student Health Services, and the Division of Undergraduate Medical Education. With this leadership role, Dr. Johnson received a one-time, lump sum of \$2.25 million in development funds which included \$1 million designated for the launch of the Primary Care Consortium.

2016

Dr. Johnson recruited Dr. Matthew McKenna as Division Director for Preventive Medicine and Dr. Richard Goodman as Preventive Medicine Residency/Fellowship Program Director. Both Dr. McKenna and Dr. Goodman both brought skills and knowledge from decades of CDC leadership.

2018

Dr. Michael Huey stepped down after 16 years as Director of Emory Student Health Services and Dr. Sharon Rabinovitz took over the leadership role.

2019

Mohammed Ali, MBChB, MSc, Ph.D., Professor at the Rollins School of Public Health and Class of 2019 Family Medicine Resident, joined the Department as the Vice-Chair of Research. 26 Palliative Medicine faculty joined the department as the Division of Palliative Medicine, led by Division Director Dr. Tammie Quest. These faculty, who had been scattered across multiple departments, including Family and Preventive Medicine, Medicine, Emergency Medicine, Pediatrics, Psychiatry, and Anesthesiology, now have centralized faculty development and research support.

2020

Dio Kavalieratos, PhD joined the department as Director of Research and Quality for the Division of Palliative Medicine.

Following internal searches, the Department selected Dr. Lynn O'Neill (Palliative Medicine) as the new Vice-Chair of Faculty Development and Dr. Antonio Graham as Vice Chair of Diversity, Equity, and Inclusion. With the creation of our own promotion and tenure committee, our department's successful promotion and tenure actions surged from 1 in 2016 and 2018 to 6 in 2021. We expect 1-3 successful actions per year moving forward.

2021

Dr. Tina-Ann Thompson joined the Department as Division Director of Family Medicine. Dr. Rosette Chakkalakal joined the Department as Division Director of Preventive Medicine.

2023

Dr. Maha Lund departs as PA Program Director to become Dean of Health Sciences at Elon University. National search for PA Program Director underway, with Alexander Kendall serving as Interim Program Director.

Family and Preventive Medicine: Organizational Chart



Our Mission

The Emory University School of Medicine is a leading institution with the highest standards in education, biomedical research, and patient care.

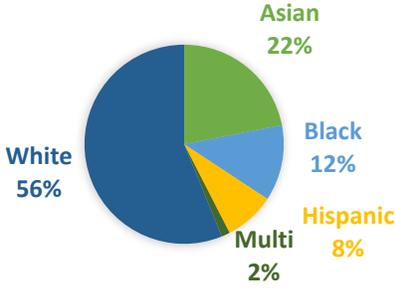
We are committed to recruiting and developing a diverse group of students and innovative leaders in biomedical science, public health, medical education, and clinical care.

We foster a culture that integrates leading edge basic, translational, and clinical research to further the ability to deliver quality health care, to predict illness and treat the sick, and to promote health of our patients and community.

Diversity, Equity, and Inclusion

The Department of Family and Preventive Medicine (DFPM) is committed to Diversity, Equity, and Inclusion (DEI), as well as to integrating the practice of DEI into every facet of our department. DFPM established a DEI Council to incorporate the principles of DEI into patient care, education, research and staff and faculty development so that they are normalized in our daily practice and interactions. Our DFPM leaders have been recognized nationally for their DEI work. Dr. Tammie Quest received the 2022 Richard Payne Outstanding Achievement in Diversity, Equity, and Inclusion Award from the American Academy of Hospice and Palliative Medicine. Dr. Ted Johnson received the American Medical Women’s Association 2023 Larry Zaroff Man of Good Conscience Award, presented annually to a man who has been a champion of women in medicine.

FPM RACE/ETHNICITY BREAKDOWN



Values

DFPM values the strength that comes from diversity in our faculty and staff. Our DEI Council has surveyed the department for concerns, created DEI Grand Rounds, a DEI Virtual Library and affinity groups, and held listening sessions centered on current events. The promotion and fostering of diversity will lead to better patient care, impactful research, innovative education, and retention of talented faculty and staff. Respecting diversity within ourselves and our patients with respect to, but not limited to, age, race, gender, ethnicity, sexual orientation, disability, religion, socioeconomic status, and points of view is a core value of our department.

Goals

- 1 Develop a diversity, equity, and inclusion action plan by which the department will be held accountable for reaching its internal goals.
- 2 Promote and proliferate the development and retention of a diverse workforce including faculty, staff, and training programs.
- 3 Evaluate the department for structural racism & develop action plans to eliminate biased policies that hinder the development, promotion, and retention of diverse faculty & staff.
- 4 Incorporate evidence-based high-quality diversity, & inclusion educational curricula into training initiatives for faculty, staff, trainees, students & community members, centered on patients.
- 5 Advocate for the department to advance diversity, equity, and inclusion as one of the cornerstones for all new and current department initiatives
- 6 Foster high-quality research & quality improvement initiatives aimed at social justice reform, improvement of patient outcomes, & decreased healthcare disparities in the community.

Division Highlights

Family Medicine

The division of Family Medicine consists of the Family Medicine Residency Program, the Family Medicine Faculty, and Residency Program Clinic Care services, the Behavioral Medicine Program and clinical services, and Student Programs in Family Medicine. These components represent the integration of team-based patient care, education, and training of residents, medical students, and other health professions students in the ambulatory, hospital, and community settings, and research in population-based care, and healthcare delivery. Emory Family Medicine faculty hold statewide leadership positions (GA Academy of Family Physicians, President 2021 – Susana Alfonso, 2022 – Sharon Rabinovitz).

Residency Program

- With support from the Amos Family Foundation, gift designated as the LaHouse Residency Fund, the residency expands from 24 to 30 residents. VA expansion funding for training allows sustainability of the larger program size.
- Family Medicine Residency Program jumps from unranked to #18 in the nation in 2022
- Research Track for Family Medicine Residency launched in 2021-2022 academic year - Dr. Nikhila Gandrakota (2022) and Dr. Tichelle Nyarko (2023) named Scholars.
- Graduates obtain fellowships (100% placement rate), start their practices, join group practices, work for the VA, join the CDC, practice hospital medicine, work in urgent care facilities, and become academic clinicians.

Featured Family Medicine Researchers

- **Ambar Kulshreshtha, MD, MPH, PhD**
 - K-award “Mechanistic Pathways Linking Stress and Cognition” extends his prior research work in cardiovascular diseases for the prevention of Alzheimer's disease and the reduction of health disparities. He works with mentors and collaborators in Geriatrics, Psychology, Epidemiology, Cardiology, and Neurology to investigate the mechanisms by which cardiovascular and psychosocial risk factors affect cognition and to develop novel interventions that improve cognitive reserve and reduce health disparities.
 - Selected for National Institute of Aging Butler Williams Scholars Program and Tideswell Emerging Leaders in Aging Program
 - Fellow in the Institute on Methods and Protocols for Advancement of Clinical Trials in ADRD
 - Goizueta Alzheimer's Disease Research Center Education grants: “Stress and Cerebrovascular Reactivity” and “South Asian Health Aging Program”



- Alzheimer's Association Research Grant - (RAPID Funding Program in Dementia): Effects of COVID pandemic on Patients with Mild Cognitive Impairment
- Clinician Specialists' Rising Star in Aging Research, American Geriatrics Society, 2020
- Appointed to the Commission on Health of the Public and Science for the American Academy of Family Physicians
- PI on 2022 A Novel Web-based Decision Aid Tool for Reducing COVID-19 Vaccine Hesitancy – funded by Health Innovation Program (Georgia CTSA)

- **Megha Shah, MD, MSc**



- K23-Award “Better Together: Leveraging primary care and social network resources to create a patient-centered approach to improve diabetes among immigrant communities”
- NIH sub-award through NYU: Clinical Linkage Models to Address Diabetes and Hypertension Disparities in the South Asian immigrant community in the Southeastern U.S.
- Georgia Center for Diabetes Translation Research supplement for COVID-19 testing among vulnerable populations
- DREAM Atlanta study, funded by NIMHHD
- 2 University of Utah studies on diabetes prevention in Hispanic/Latinx Americans
- Bidirectional Global Health Disparities Research Pilot Grant - needs assessment of South Asians in Atlanta
- Institute for Implementation Science Scholar (2021-2023) - a mentored training program for investigators interested in applying dissemination and implementation (D&I) methods to reduce the burden of chronic disease and address health inequities.
- PI - RADx-UP CDCC Rapid Research Pilot Program grant. CHW-delivered virtual education and financial incentives to promote COVID-19 testing among at-risk South Asian immigrants in Atlanta.
- Co-Principal Investigator for “A community-engaged health needs assessment of South Asians in Atlanta: The CENSAA Study.”
- 2022 - received an ADA Young Investigator Award to travel to the American Diabetes Association 82nd Scientific Sessions to present her recent study using community health workers

- **Miranda Moore, PhD**



- Health economist on NIH R01 AHRQ Health Services Research Project “Integrating Costs Into Shared Decision-Making for Heart Failure.”

- Evaluation Lead for HRSA Geriatric Workforce Enhancement Program
- Health Economist and Population Health Lead for Georgia Alzheimer’s Project.
- Health Economist, Morehouse SOM: “Building an Infrastructure for Evaluating Substance Use Disorder Insurance Parity Laws: Introducing Heterogeneity into Legal Datasets to Measure their Effectiveness on Addressing the Opioid Epidemic”
- Research Champion: Emory Seavey Clinic and Physician Assistant Program
- Research Coordinator, Family Medicine Residency Program
- Co-Director, Family Medicine Residency Program Health Services Research Track
- CO-PI - 2021 Alzheimer’s Association project titled, "Assessing a new measure of community-level dementia-friendliness."
- CO-I, Emory Healthy Kitchen Collaborative were awarded funding to create an effective, engaging hybrid program delivered to a patient and community population and evaluate the clinical impact of the program.
- 2023 - selected to serve as the Co-Chair of the Research Committee for the national Teaching Kitchen Collaborative. As co-chair, she will also serve on the TKC Advisory Committee.

- **Leslie Johnson, MPH, Ph.D.**

- Co-PI - funding from the Emory Maternal Child Health Center of Excellence to conduct, “The Impact of COVID-19 on Women’s Experiences of Pre-natal Care, Birth Support, and Delivery in the US South,” in collaboration with Dr. Subasri Narasimhan from the Hubert Department of Global Health.
- PI – Georgia Center for Diabetes Translation Research, Assessing and Identifying Strategies to Reduce the Postpartum, Diabetes Screening Gap among Women with a History of Gestational Diabetes Mellitus in Georgia
- Chosen for 2021 Global Alliance for Chronic Diseases (GACD) Implementation Science Training School, for early- and mid-career researchers to build their knowledge, skills, and confidence in the fields of implementation science and non-communicable diseases in low- and middle-income countries.
- Co-Investigator on a 2022 U01 grant funded by NIDDK. The study entitled, “An Adaptive Intervention Trial of Home Testing with Behavioral Nudges for Improving COVID-19 Testing and Prevention among People Affected by Diabetes.”
- Selected for an NIH-funded All of Us Under-represented Biomedical Researcher (UBR) Scholars Program.
- PI - R01 funded by NIMHD. This project examines whether Medicaid Managed Care mitigates race/ethnic disparities in diabetes in the US. The project is funded from September 2022 - May 2028.



Palliative Medicine

The Emory Palliative Care Center is a comprehensive program providing multidimensional, interprofessional collaboration through the unique services and expertise provided across Emory, its affiliates and community partners. Our Palliative Medicine faculty physicians are all board-certified in hospice and palliative medicine. While their primary board specialties are varied and include internal medicine, family medicine, pediatrics, anesthesiology, and emergency medicine, all palliative medicine physicians have an academic home in the Department of Family and Preventive Medicine.

In January 2023, the Emory Palliative Care Center partnered with the University of Alabama Birmingham in November to host the biannual summit of the Southeast Institute of Innovation in Palliative and Supportive Care. The conference, Forging the Future, highlighted the unique opportunities and challenges of palliative medicine in the American South.

Fellowship

- Hospice and Palliative Medicine Fellowship annually matches all 7 positions; expansion to 7 positions was approved in AY21.

Recruitment

- The division has increased in size by 63% from 2019 through 2022
- Recent research staff hired: Kennedy Baskin, Joanna Boyles, and Jaycie Emery
- Recruited 8 new physicians for 2021-2022

Featured Researchers

- **Ali John Zarrabi, MD**
 - I3 Award for Dr. Ali John Zarrabi to establish a museum-based education initiative at Emory School of Medicine
 - Accepted into Harvard Medical School Workshop on Research Methods in Supportive Oncology
 - Launched Emory Arts-Based Health Education website with Paul DeSandre
 - Diamond level provider in 2021 and 2022
 - 2022 – convened a national conference on psychedelic therapy in palliative care
 - 2023 – “The effects of psilocybin on oxidative stress, inflammation, and aging.” Funding through The Emory Woodruff Health Sciences Center for Health in Aging



- **Dionysios (Dio) Kavalieratos, PhD**

- In March 2020, Dr. Dionysios (Dio) Kavalieratos was recruited to join the Division of Palliative Medicine as Associate Professor and Director of Research and Quality. Dr. Kavalieratos brought \$3.15 million in existing foundation funding with him from the University of Pittsburgh. Since joining our Department, he is building a strong research infrastructure to support his work. Dr. Kavalieratos is internationally recognized for his work in non-cancer palliative care and for his landmark review establishing the effectiveness of palliative care.
- Growing the division with a new Fraser-Parker foundation \$500,000 gift to hire and train 2 post-docs and support 3 new pilot grants.
- Site PI: 2021 NIH/NCI R01, Decision Support Training for Advanced Cancer Family Caregivers: The CASCADE Factorial Trial
- Granted tenure in 2023
- 2023 – selected as Cambia Health Foundation Sojourn Scholar Leadership Program (2-year, \$180,000). Also elected to American Academy of Hospice and Palliative Medicine Board of Directors and named a fellow of AAHPM



- **Sarah Cross, PhD**

- 2022 - New York Times article cites a study done by Dr. Sarah Cross summarized in NEJM article, “Changes in the Place of Death in the United States” assesses changes from 2003 - 2017 in where people die of natural causes (i.e., at home, in a nursing home, in a hospital).
- Named American Academy of Hospice and Palliative Medicine research scholar
- Funded through the CTSA KL2; "Dying While Poor: Investigating Multi-level Determinants of Inequities in End-of-life Care for Adults with Cancer."
- Accepted into Harvard Medical School Workshop on Research Methods in Supportive Oncology



Physician Assistant Program

The Emory Physician Assistant Program recruits, educates, and mentors a diverse group of students to become highly regarded physician assistants providing compassionate health care of the highest quality. The Program values the highest standards of professionalism and team-based medicine with a commitment to the medically underserved. Graduates are prepared to practice evidence-based primary care and preventive medicine, engage in lifelong learning, and assume future leadership roles.

Education

- The second oldest Physician Assistant programs in the country, Emory's PA program celebrated its 50th anniversary in 2021
- Ranked #5 in 2019. Has been ranked among the top 5 graduate-level PA Programs by US News and World Report since the first PA Program rankings were published.
- Implemented Point of Care Ultrasound (POCUS) training led by Jeremy Amayo PA-C
- First place National I-Scan (PA student Ultrasound competition) winners (2018, 2021, 2022)
- Developed PA Board Review course into a national online CME product in partnership with Exam Master, offering up to 80 hours of Cat 1 AAPA self-assessment CME hours. Proceeds fund the Emory Farmworker Project.
- Class of 2025 Demographic Data: 85% Female, 37% Minority, 19% URM, and 42% Veteran
- Successfully introduced Telehealth training in Patient Communications module
- Implemented Social Determinants of Health Course
- Created program DEI committee with students, faculty, and staff
- Increased URM faculty to 45% over the past 3 years.

Research Involvement

- Jodie Guest, department faculty through the PA program, was named collaborator on a \$7.8 million gift for the COVID-19 response. Her work in the community distributing vaccines has given PA students a valuable service-learning opportunity during the pandemic.

The Farm Workers Program (EFP)

- A multidisciplinary effort providing health services to the underserved migrant farmworker community each year in June and October.
- Pop-up field clinics meet a critical public health need while giving clinical teams experience in treating a wide range of conditions — everything from health screenings

for patients who have never received any sort of clinical care to women in labor or workers with serious acute illnesses.

- Dr. Jodie Guest serves as Associate Program Director for the PA Program and leads the EFP, which has become the hallmark initiative of the PA Program and received national recognition for its innovative, culturally appropriate delivery of care.



Preventive Medicine

The division focuses on improving health and preventing disease across diverse populations. Although we are in Atlanta, our work is global, influencing the well-being of our community and our world. We conduct research to better understand chronic and acute disease, how to prevent conditions through lifestyle and wellness, and what policy and procedures can better enhance our systems and government. Our results are implemented into real-life clinical practice and into larger, complex healthcare system policy all with the goal of promoting healthier, longer lives with fewer actualized complications from easily preventable conditions.

Residency Program

- Has grown from 2 residents in 2017-2018 to 7 residents beginning the academic year 2019-2020 and continuing through 2022.
- HRSA training grant and MOU with Atlanta VA Medical Center has given them the ability to grow quickly, and they met all their deliverables 1 year early
- They have successfully begun Grady rotations starting in 2020
- They have been able to attain rotations at the state health center and county health center (DeKalb)
- September 2022, the Program received a second HRSA award. The 3-year Public Health Scholarship Program award supports MPH tuition and tuition for other coursework for Emory PM residents/fellows.



From the left: Associate Program Director, Javier Valle. Program Director, Richard Goodman. Associate Program Director, Sara Turbow



Recruitment

- New Junior Faculty Recruits: Deanna Kaplan, PhD and Sathish Thirunavukkarasu, PhD

Featured Preventive Medicine Researchers

- **Sara Turbow, MD, MPH**

- Selected for 2021 Tideswell Emerging Leaders in Aging Program, an inspiring, interdisciplinary experience that augments and leverages existing leadership skills for clinical, research, policy, and educational initiatives in aging.
- Dr. Turbow's K23 examines prehospital risk factors for and the impact of information sharing on interhospital care fragmentation in older adults with Alzheimer's Disease and related dementias.
- 2023 recipient of the Association for Prevention Teaching and Research Early Career Award. This award recognizes an APTR member who has completed their training within the last decade and whose contributions have enhanced student learning and resident instruction in the field of prevention and public health.



- **Jennifer Mascaro, PhD**

- Dr. Mascaro's K01 award supports her training in integrative oncology research methods and implementation science, which will allow her to evaluate the feasibility and acceptability of a chaplain-delivered CBCT® (Cognitively-Based Compassion Training) meditation derived program for patients receiving hematopoietic stem cell transplant for cancer.
- In response to HRSA's program purpose to support the COVID-19 era health workforce with high-quality training for the health professions and nursing, Dr, Ted Johnson and Dr. Jennifer Mascaro were funded for their program: The Atlanta's Resiliency Resource fOr frontline Workers (ARROW) will leverage academic practice partnerships and engage stakeholders in a sustainable community of front-line workforce resiliency training. This program will offer comprehensive resources for resiliency enrichment, training, and professional development for both practicing and student nurses, physicians, and public safety personnel.



Student Health

Student Health did an outstanding job controlling COVID-19 on campus during the 2020-2022 academic year. Dr. Sharon Rabinowitz won a leadership award from the Emory Center for Women for her tireless work to keep students safe.

Because of previous outbreaks on campus (wild mumps, flu surge) and disaster response protocol (developed when Ebola patients were treated at EUH), Student Health was able to immediately partner with epidemiologists, public health and infectious disease experts, and CPAR. The response included

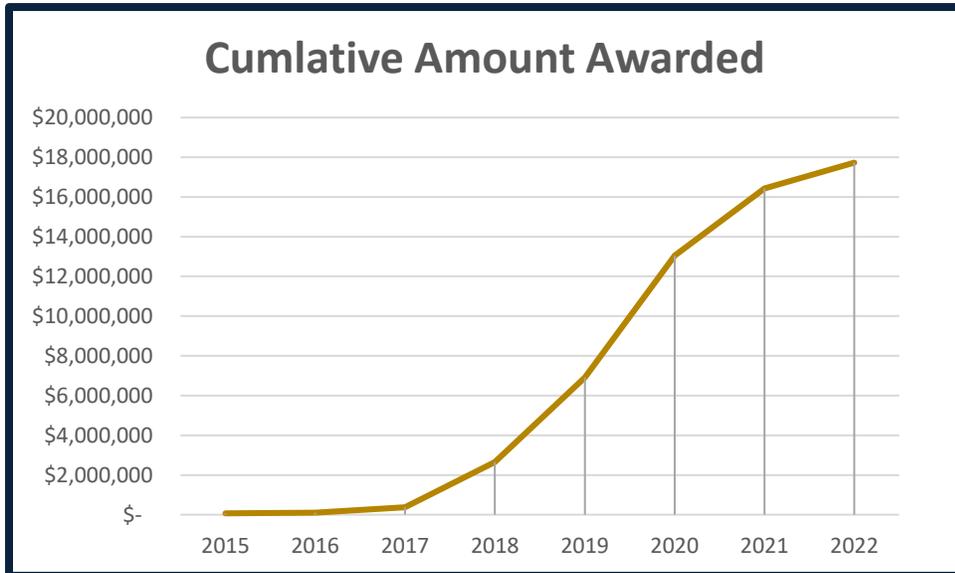
1. 3 student health acute respiratory clinic stood up in consult with EUH
2. Screenings and diagnostic testing (nasal swab, then moved to saliva testing)
3. Medical care for those with COVID in isolation (partnership with Res Life, OSRL, CAPS, Dining, Housing, Academics, Rec and Wellness). Constant follow-up with students to monitor symptoms and severity
4. Contact tracing (collaboration with employee health and campus partners including RSPH) and compliance support
5. Surveillance team used REDCap to collect data and identify clusters
6. Vaccine compliance and administration

Emory SHS has consistently achieved patient satisfaction scores of 90% or above for primary care and women's health, with 93% of students saying they would be likely to use Emory Student Health in the future. The nutrition and psychiatry departments of Emory SHS received satisfaction scores of 95% during the most recent survey. Dr. Rabinovitz has identified areas in need of expanded services in women's health care and procedure access, transgender care, and psychiatric services to meet the growing needs of Emory's student population. She launched an Immunization Compliance Initiative in 2018, which was designed for influenza but proved invaluable for facilitating and tracking COVID vaccination status for students, faculty, and staff. She also created a self-funded Student Health Insurance Plan, which offers greater control of our student insurance plan and offsets national steep rises in premiums and reduction of benefits. This plan currently insures nearly 6200 students.



Research Infrastructure

Research by the Numbers



- 66%+** Federal Grants
- 4** K-Awards 2020-2022
- \$5.5+ M** New Awards in 2021-2022

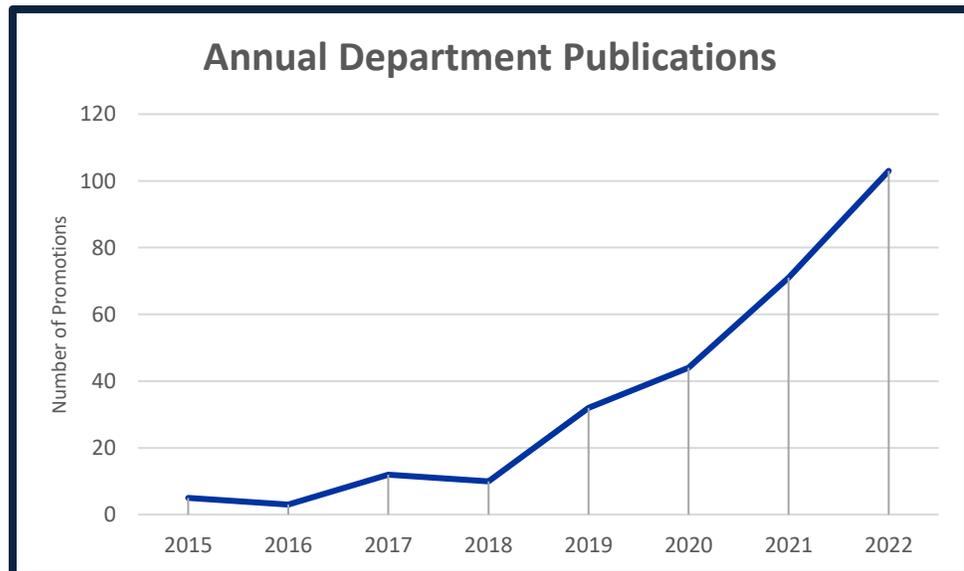
2015 – 2022 Totals

Total: \$18.6+ Million
Direct: \$16.8 Million
Indirect: \$1.8 Million

2014: A low \$1 million initial investment in FPM was strategically spent to generate:

- Total ROI from 2015 - 2022: **1,673%**
- An **1,821%** growth in awarded research from 2015 to 2022
- New research faculty recruits between 2020 – 2022 have already generated **\$5.4+ Million** in new funding.

- 220%** Increase in Publications 2018-2019
- 61%** Increase in Publications 2020-2021
- 42** Publications YTD 2023



Project Spotlight

Georgia GEAR

This **5 year, \$3.75 million HRSA geriatric workforce training grant** addresses three critical areas in geriatric care: 1) improving geriatric education of physicians, health care professionals, and their interprofessional teams; 2) engaging primary care teams in work re-design to allow better address of what matters to older patients; and 3) community-level partnering to address the needs of seniors in rural and underserved communities. The grant is up for renewal in 2024.

The Georgia workforce and health system are underprepared to address the unique healthcare needs of the rapidly growing, racially, and ethnically diverse population of older adults. The purpose of the GA Geriatric Workforce Enhancement Program (GA-GWEP) is to improve the health and well-being of older Georgians, their families, and their communities through partnerships in a program of interdisciplinary education to improve health outcomes across urban and rural areas.

Emory faculty funded by this grant: Program Director Ted Johnson, MD, MPH, AGSF. Evaluation Lead, Miranda Moore, Ph.D. Evaluation Team Member Alexis Bender, Ph.D. Evaluation Team Member Richard Goodman, MD, JD, MPH. Evaluation Team Member Kenneth Hepburn, Ph.D. PC Advisory Board Member Ruth Parker, MD. POLST Practice Change Lead Lindsay Prizer, Ph.D., MSW. Underrepresented Minority Faculty and Grady Site Lead, Jada Bussey-Jones, MD. VA Practices Lead Camille Vaughan, MD, MS. ADRD Models of Care Dissemination Lead Carolyn Clevenger, DNP, GNP-BC.

We collaborate across institutions and disciplines in a coordinated, supportive, and directed manner.



ECHO Nursing Home Project

\$600,000 Grant 2020-2021

Faculty at Emory University and Georgia State University (GSU), including **Dr. Ted Johnson** and **Dr. Miranda Moore**, were awarded \$600,000 by the AHRQ (Agency for Healthcare Research and Quality) ECHO National Nursing Home COVID-19 Action Network to provide 16 weeks of free training and mentorship to nursing homes in Georgia to increase the implementation of evidence-based infection prevention and safety practices to protect residents and staff during the COVID-19 pandemic.

Faculty from Emory University School of Medicine served as mentors and content experts, available for nursing homes to ask questions about materials in the training modules or other issues in their facilities. The Emory Project ECHO team modified 80% of the IHI educational materials provided and developed de novo 50% of the curriculum. Notably, IHI provided no materials specifically addressing health inequities, principles of geriatrics (the 4 M's), or vaccine science or vaccinations.

The training goals are:

- Preventing COVID-19 from entering nursing homes via staff, visitors, and residents.
- Should the virus enter the nursing home, preventing greater spread among patients, staff, and visitors.
- Providing best-practice care and treatment for residents who test positive for COVID-19.
- Protecting staff from infection and ensuring best-practice safety measures, to help staff build confidence in their work, feel safe from infection, and support staff retention.
- Ensuring that residents who are dying from COVID-19 can safely receive visitors.



Increasing the Size and Capabilities of the U.S. Preventive Medicine Workforce Applicant Organization: Emory University Preventive Medicine Residency Program

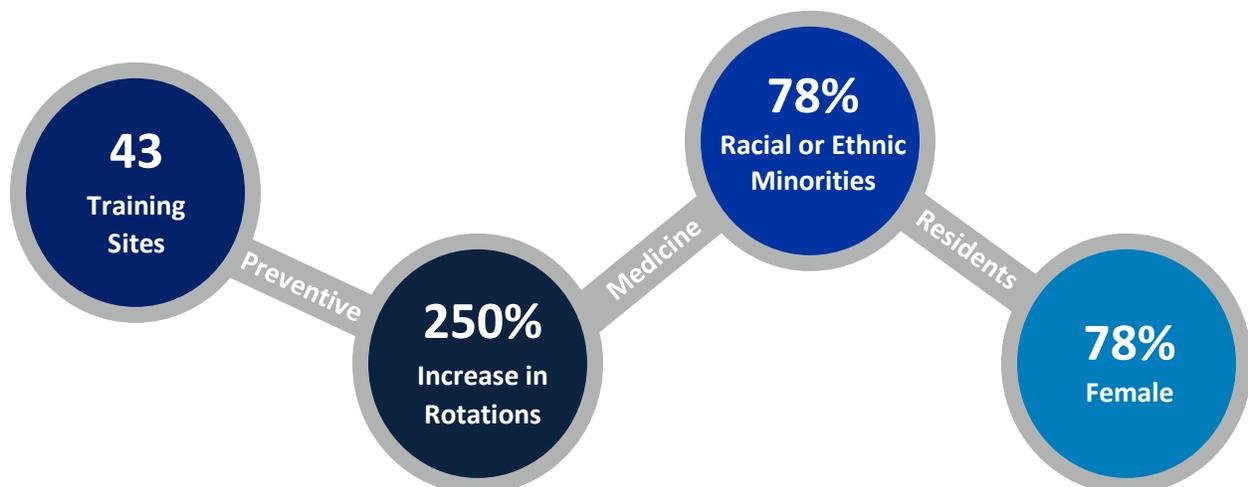
\$1.94 Million from 2018 - 2023

Despite the large burden of preventable chronic conditions, infectious diseases, injuries, and other major preventable health problems, the U.S. medical workforce’s capacity to prevent and control many of these problems at the population level is insufficient. The number of physicians trained and board-certified in the population-directed specialty of Preventive Medicine (PM) continues to decline.

This HRSA funding increases physician training and workforce capacity in preventive medicine through a well-defined and enriched curriculum that emphasizes increased inter-professional collaboration and delivery of preventive services to medically underserved and other communities. The PM residency has already met all its goals one year early, including:

- Expand Emory’s accredited PM Residency training by 33%; **Complete**
- Innovate inter-professional and intercultural training by establishing curricula in three major thematic areas – *preventive cardiology, cancer prevention and control, and frontline public health practice* – and in selected areas that reflect HHS clinical preventive priorities (e.g., opioid abuse, mental health, childhood obesity, and health disparities among underserved populations); **Complete**
- Train at least 5 residents annually and complete ACGME-prescribed PM residency training of at least 10 residents who upon graduation will sit for the specialty certification exam in Public Health / General Preventive Medicine. **Complete**

The Emory PMRP has already demonstrated a commitment to recruit diverse trainees into the program. This recruitment and training has occurred in the context of enhanced institutional commitment by the EUSOM to recruit, develop, and retain diverse faculty and trainees/learners.



Palliative Care Cystic Fibrosis Foundation Award

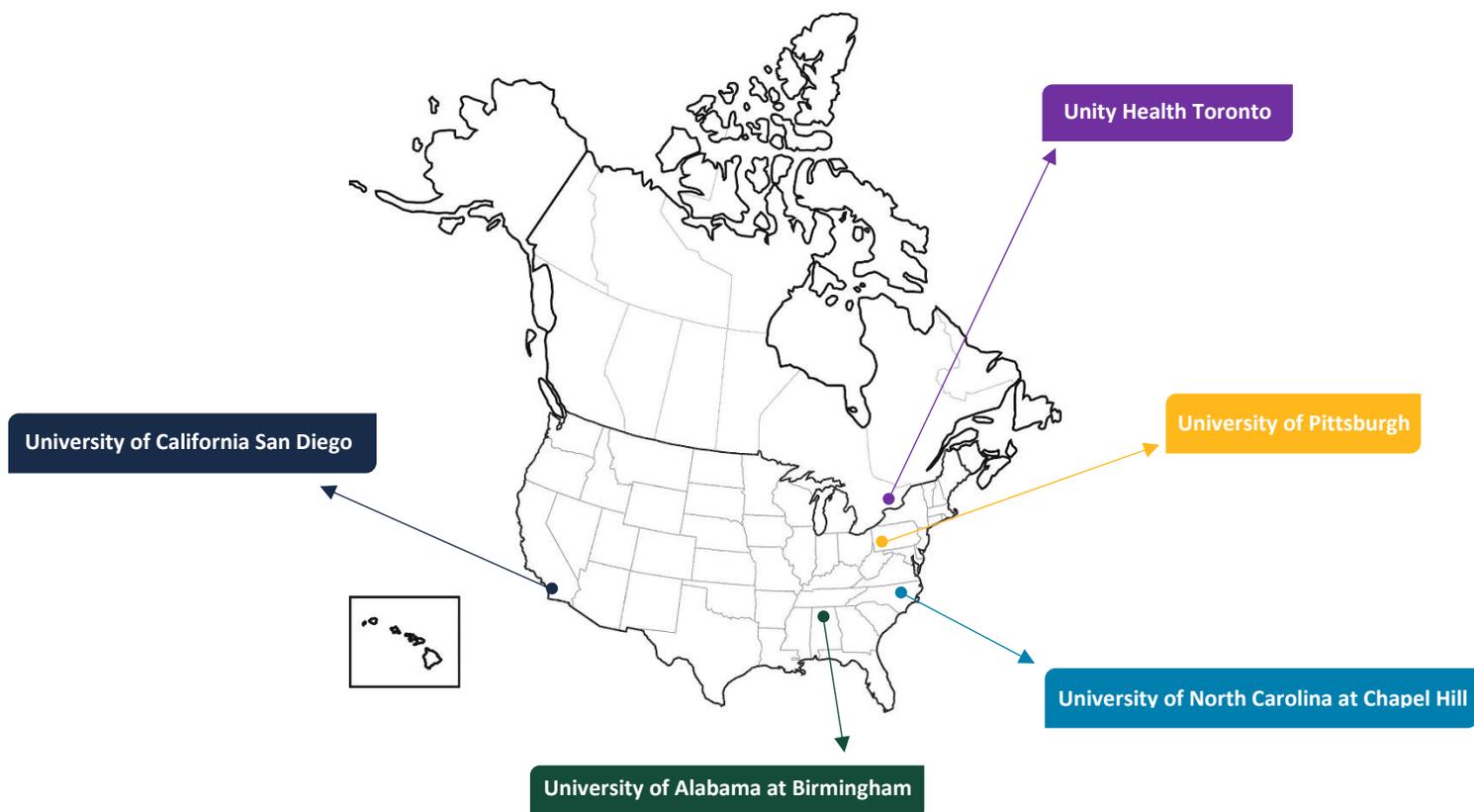
\$3.12 Million from 2020 - 2023

Although treatment for CF has greatly improved over the last two decades, people living with CF continue to suffer from the daily burdens of the illness, including physical and emotional symptoms like pain, tiredness, and anxiety. In addition, people with CF must manage complicated treatment regimens and make difficult healthcare decisions, like transplants. These burdens can also negatively affect family caregivers.

Palliative care improves quality of life and reduces suffering by addressing the physical and emotional symptoms of serious illness, while also helping patients and their families make healthcare decisions according to their values.

This study, led by **Dr. Dio Kavalieratos**, will test whether including a palliative care specialist in CF care teams improves quality of life, symptoms, and healthcare decision-making, compared to usual CF care. We will work with 5 CF care centers across North America to enroll 264 adults with CF and their caregivers. Half will receive 4 in-person visits and monthly calls from a palliative care specialist, while the other half will continue to receive their usual high-quality CF care. The study will last for 15 months, with monthly surveys collected by phone or internet.

This study will provide much-needed evidence about palliative care in CF, and a plan on how to roll out palliative care across other CF centers to improve outcomes for all people living with the burdens of CF and its treatment.



Palliative Care Fraser-Parker Foundation funding

\$500,000 from 2021 – 2023

This award provides financial support and resources to implement two career development programs related to palliative care research across the Emory Palliative Care Center. First, we have launched the Emory Palliative Care Faculty Scholars Program, a one-year competitive grant opportunity for pediatric and adult palliative care faculty to receive \$15,000 of pilot funding and individualized mentorship for a palliative care project. Second, this award provides funding for two two-year postdoctoral research fellowships, with the intention of positioning Emory to be competitive for an NIH T32 Postdoctoral Training Program in palliative care research in the future.

The 2021-2022 Scholars from the Division of Palliative Care are:

McLean Ellis, MD: Describing Specialty Perinatal Palliative Care in Neonatal Intensive Care Units in Georgia: First Steps to Filling an Unmet Need.

Dr. Ellis will conduct a survey of Level II or III NICUs throughout the state of Georgia to identify whether and how often NICU teams access specialty-level palliative care. Through follow-up qualitative interviews, she will characterize barriers to access to palliative care and opportunities to strengthen local perinatal/palliative connections. This statewide project will inform future work to strengthen perinatal palliative care across Georgia and the USA. Co-Investigators: Tammie Quest, MD; Jane Lowers, Ph.D.; Patricia Denning, MD; Jasmine Williams, MD; Dio Kavalieratos, Ph.D.

Ali John Zarrabi, MD: Identifying the Prevalence and Relationship of Pain, Opioid Use, and Psychological Trauma among People Referred to Specialty Palliative Care.

Dr. Zarrabi's study focuses on identifying underlying symptoms of PTSD, chronic pain, opioid dependence, and existential distress in people receiving outpatient palliative care, and how these factors influence care needs. Dr. Zarrabi and colleagues will survey clinic patients to assess symptom prevalence. They will interview a subset of 10 patients and their referring clinicians to explore patient perceptions of how these symptoms affect patients' health care experiences and goals for and barriers to palliative care. Results of the study can inform the development of new models of palliative care delivery to address trauma and existential suffering. Co-Investigators: Kimberly Curseen, MD; Meredith Maxwell, MD; Barbara Rothbaum, Ph.D.; Joshua Gray, Ph.D.; Dio Kavalieratos, Ph.D.

Sarah Cross, PhD is the 2021-2022 postdoctoral research fellow. Dr. Cross recently received her PhD in Public Policy from Duke, and her dissertation examined how the Medicare Hospice Benefit contributes to end-of-life inequities. Her future work will focus on social determinants of health and their impact on end-of-life care, namely poverty.

Primary Care Consortium

The Emory Primary Care Consortium serves as a bridge between primary care providers across Emory University and Emory Healthcare. The consortium’s tactical objectives include creating mentorship and collaborative opportunities across primary care, supporting faculty through CME and research funding opportunities and providing guidance on promotion, and aligning training programs that produce our future workforce.

Leadership



Ted Johnson, MD, MPH



LeShea Turner



Leigh Partington, PhD



Shannon Thomas

Executive Sponsors

Communications Manager

AMOS Program Coordinator

Constituents

<p>Emory University</p> <ul style="list-style-type: none"> • School of Medicine <ul style="list-style-type: none"> ○ Department of Medicine <ul style="list-style-type: none"> ▪ General Internal Medicine ▪ Geriatrics & Gerontology ○ Department of Family and Preventive Medicine <ul style="list-style-type: none"> ▪ Family Medicine ▪ Physician Assistant Program ▪ Student Health Services ▪ Undergraduate Medical Education/FMIG ▪ Preventive Medicine ▪ Palliative Medicine • School of Nursing <ul style="list-style-type: none"> ○ Nurse Practitioner Program • Rollins School of Public Health 	<p>Emory Healthcare</p> <ul style="list-style-type: none"> • The Emory Clinic • Emory Specialty Associates • Atlanta VA Medical Center 
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Investments in Primary Care

We have created a networking platform that connects primary care research faculty, learners, staff, clinical faculty, physician assistants, and nurse practitioners.

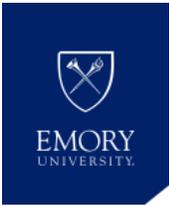


In 2021, the Primary Care Consortium was chosen as the administrative home of **The Kathelen and Dan Amos Medical Student Loan Forgiveness Program: Improving Access to Primary Care in Georgia**, a five-year, \$5M commitment from the Amos family. The average Emory School of Medicine graduate student loan debt is \$175k. Similar to the national average, about 5 percent of our medical school graduates go into primary care and 2 percent go into family medicine. Fewer than half of this group of graduates goes into Emory’s primary care internal medicine residency program, and only 50 percent of the family medicine residents end up finding careers in primary care. Moreover, out of 140 Emory SOM graduates, no more than four choose careers in geriatric medicine, which is an additional one-year clinical training program. Furthermore, there are only two geriatric medicine fellowship programs in Georgia—at Emory and Mercer University with a combined average class of five physicians per year.

For students who train at Emory in primary care disciplines such as geriatric medicine, general internal medicine, family medicine, and general pediatrics, the debt forgiveness program allows them to practice in these clinical areas without the burden of financial strain that comes with lower-salary career paths, as long as they practice for at least five years beyond their residency training, and preferably in the state of Georgia.

Overall Impact as of April 2023





Supporting Emory Primary Care Providers and Learners

The PCC’s Advocacy, Social, and Educational funds are designed to support Emory’s social, educational, and advocacy activities which will enhance primary care at Emory. Program funds are available to groups of no less than three people to support Emory events that are well planned, well-advertised (including recognition of the Emory Primary Care Consortium funding), and of general interest to a broad primary care audience.

The PCC’s Learner Initiated Professional Development funds provide up to \$10,000 each fiscal year to support Emory learners seeking to engage in professional development activities that will lead to advancements in primary care at Emory University.

The PCC provides grants up to \$2,500 to support any project that involves research, quality improvement, advocacy, development of clinical decision support tools, or educational activities in support of advancements in primary care (as it relates to patient safety, innovations in healthcare delivery, addressing disparities in healthcare, etc.).

Primary Care Awards, open to all Emory Primary Care Providers

- Actively engaged (≥ .40 effort) in longitudinal, comprehensive primary care within Emory Clinic, Emory Specialty Associates, or an Emory affiliate (VA, Grady, Emory University Student Health, Emory Corporate Medicine, Emory linked senior care sites).
- Provider disciplines include geriatrics, family medicine, internal medicine, pediatrics, nurse practice, physician assistant, preventive medicine, and palliative care.

<p>Team Awards</p> <ul style="list-style-type: none"> • Achievement in Primary Care Innovation • PC Team-Spirit Award for Excellence in Clinical and Staff Wellness 	<p>Open Category- Team or Individual Awards</p> <ul style="list-style-type: none"> • Achievement in Transformational Leadership and Innovation • Career Achievement Award (> 25 yrs of service) • Diversity, Equity, and Inclusion Champion • Rising Star Recognition Award (< 5 yrs of service) • Volunteerism in Primary Care: Community Connection Award
<p>Nursing and Administrative Staff Awards</p> <ul style="list-style-type: none"> • Award for Outstanding Business or Clinical Administrator • Award for Outstanding Clinical Support Staff • Problem Solved – Value-Added Award 	<p>Provider Awards</p> <ul style="list-style-type: none"> • Achievement in Clinical Research – Yearly Contribution • Achievement in Education • Outstanding Primary Care Leadership Award-Site Lead • Outstanding APP Primary Care Provider • Outstanding Physician Primary Care Provider