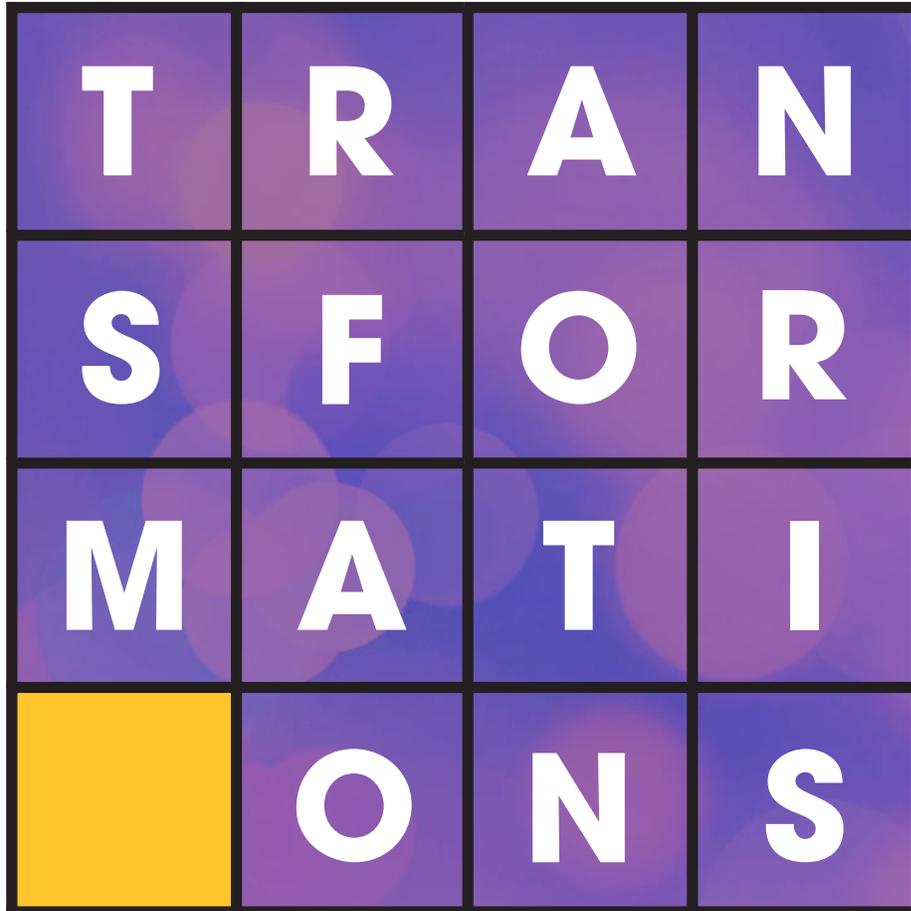


D I G I T A L   H E A L T H C A R E



Applied Research and  
Industry Collaborations

08  
AUG  
2023



**KENNESAW STATE  
UNIVERSITY**  
COLES COLLEGE OF BUSINESS  
*Master of Science in Healthcare  
Management and Informatics*



# CONTENTS

Dean/Director Messages.....	3
No One Does it Alone: The Power of Cheerleaders.....	4
<b>Collaborative Partnerships: Academia and Industry Partners Solving Real Digital Health Challenges.....</b>	<b>5</b>
<b>1</b> Assessing the Relationship Between Preventive Care Practices and Suicidal Ideation Among High School Students: An Analysis Using 2019 Youth Risk Behavior Surveillance System   <b>CDC</b> .....	6
<b>2</b> Virtual Nursing Discharge: Enhancing Health and Well-Being while Reducing Readmissions   <b>WellStar at Paulding Hospital</b> .....	7
<b>3</b> Barcode Medication Administration – Process Mapping and Assessing in a Military Hospital   <b>Tripler Army Medical Center</b> .....	8
The Evolving Landscape of Health Information Exchange: Preparing MEDITECH for TECCA Onboarding   <b>MEDITECH</b> .....	9
An Exploratory Analysis of Return on Investment of Employee Wellness Programs   <b>Engagement Health Group</b> .....	10
Gen Z Learning and Communication Styles   <b>Piedmont Healthcare</b> .....	11
PMMA, PEEK, and Porous Polyethylene: A Review of Implant Materials When Used in Cranioplasty   <b>Poriferous</b> .....	12
Metaverse Growth in Healthcare   <b>AMIA Fellowship</b> .....	13
Optimization of Electronic Health Records (EHR) to Improve Consumer Outcomes and System Performance   <b>Kaila &amp; Solomon Law Group</b> .....	14
The Effectiveness of Telesitter on Video Monitoring of Patients to Reduce the Fall Rate   <b>WellStar</b> .....	15
Pre-Mitigating iPhones, Epic, and Applications Cases: Unified Communications at Kennestone Hospital   <b>WellStar Health System</b> .....	16
A Comparative Analysis of State Legislation and Nascent Outcomes and Recommendations in Building State-Level Sickle Cell Disease Programs and a National Sickle Cell Disease   <b>Georgia Health Policy Center at Georgia State University</b> .....	17
Histological Staining   <b>Emory</b> .....	18
Our Story / Our Students.....	19
Testimonials.....	21
Keynote Speaker: Raj Sardana.....	23
Keynote Speaker: Kanyatta Walker.....	24
HMI: Aspire to More.....	25
MSHMI Cohorts.....	29

A MESSAGE FROM THE  
**EXECUTIVE DIRECTOR**



Even before launching the MSHMI program, we knew that collaborating with the healthcare and information technology industries was going to be a critical component of its success. As the program celebrates its fifth anniversary, it is clear this was the right decision. Our students have the opportunity to prepare for careers in digital healthcare by connecting with businesses and other organizations driving innovation in that space.

In addition, they participate in leading edge research that will help improve healthcare delivery and patient outcomes. None of this would be possible without our industry colleagues' valuable support.

A handwritten signature in black ink that reads "Sweta Sneha".

Sweta Sneha  
Founder and Executive Director, MSHMI

A MESSAGE FROM THE  
**DEAN OF COLES COLLEGE  
OF BUSINESS**



Throughout the past five years, the MSHMI program has grown both in size and reputation thanks in no small part to strong relationships with healthcare providers and technology companies. These relationships have ensured that our students have access to professional resources, perspectives, and data, and have provided steppingstones into exciting new careers. The MSHMI program bridges the gap between multiple healthcare and technology disciplines while also

bridging the gap between academic study and real-world application. It is no surprise that, after five years, Kennesaw State's MSHMI program remains the only one like it in Georgia.

A handwritten signature in black ink that reads "Robin Cheramie".

Robin Cheramie  
Dean, Coles College of Business

# NO ONE DOES IT ALONE

## The Power of Cheerleaders

Success is something few people achieve on their own. Behind every leader, innovator, or entrepreneur is a team of cheerleaders – advocates, sponsors, mentors, family, friends - who helped them along their journey and inspire them to reach their full potential.

As I ask you to support Kennesaw State's Master of Science in Healthcare Management and Informatics program, what I'm really asking is for you to be that cheerleader for the students. Your help provides advocacy, mentorship, and closes the financial gap for our students. More importantly, it creates a circle of gratitude where graduates give back by becoming mentors for the next generation, lifting them along the way.

Look no further than my own story to understand how the right mentor can set someone on the path to success. When I moved to the United States from India in 1996 to study computer science at the University of Maryland, there were only handful of women in my class. That number shrank into the single digits by the time I graduated. When I began working as a technology and management consultant with PricewaterhouseCoopers, I saw the same gender disparity.

As a woman of color living in a new country and working in a male-dominated technology industry, it was easy to feel like I didn't belong. I was proud of my accomplishments, but I saw nothing explaining why I should be an anomaly. It dawned on me that the reason so few women work in technology isn't a lack of aptitude, it's that they have a scarcity of role models, mentors, and sponsors showing them that they can.

I knew I wanted to be that role model, but I wasn't sure exactly what route to take. One of my former college professors at the University of Maryland used to encourage me to become an educator, insisting that my drive and skillset were a perfect fit for the classroom. I ignored him at first, because I knew my future was in the corporate world. But, after several years in that life, his words stuck with me, and I eventually earned a Ph.D. from the Robinson College of Business at Georgia State University, started my journey as an Assistant Professor at Kennesaw State University, and found my true calling.

While one mentor helped me discover my love for teaching and mentoring, another – Kennesaw State's current president Kat Schwaig – set me on the path to launching the first-of-its kind MSHMI program. In 2009, I was a tenure-track assistant professor when Kat, who was a dean at the time, recommended me to sit on the Atlanta Chamber of Commerce's healthcare IT leadership council.

Through these 7:30 am meetings in downtown Atlanta, I was able to work with several leaders in Georgia's healthcare and tech worlds. Then-Gov. Casey Cagle asked the chamber to help grow the state's healthcare IT workforce and I had an idea. I took my plans to Kat for a novel graduate degree that addresses the challenge of creating a health informatics workforce, and she gave unwavering support.

Suddenly the wheels were turning and the vision took flight. She cleared roadblocks, allocated resources, and advocated for me and the program at every step of the process – she exemplified servant leadership and much of who I am today is because of her advocacy.

Thanks to Kat's support and vision, the MSHMI program has created opportunities for more than 250 students. With women representing half of the program, we are helping bring gender parity to the healthcare information technology space and creating a world where women and young girls know they are welcome.

With your support, we could do even more. Your contribution will directly support scholarships that close the financial gap for students as well as professional certifications, access to networking events and industry conferences, and a variety of other professional development opportunities.

Not too long ago, I felt like an outsider in my field. Today, thanks to the many people who believed in me, I'm watching hundreds of women succeed in that same industry. Meanwhile, the reach and impact of our program continues to grow across national boundaries spreading into Europe, Africa, and Asia.

A decade after we started this project, our work is being validated by the industry with awards and recognitions I could have only dreamt of. I'm truly honored and privileged to have recently been named Women in Technology's Woman of the Year for STEAM Education, Technology Association of Georgia's Tech Leader of the Year, and a member of TITAN 100 Georgia.

With every success comes a responsibility to be the voice for the voiceless. None of my success would have been possible without support from the army of men and women who hold me high, believe in me, and inspired me to shatter glass ceilings. I hope you will join me in supporting the next generation of healthcare IT leaders and in giving opportunities to succeed to the mentors, advocates and cheerleaders of tomorrow.

**Sweta Sneha, Ph.D.**  
**Executive Director, Master of Science  
in Healthcare Management and  
Informatics**  
**Professor of Information Systems**  
**Kennesaw State University**



Scan now to make a one-time or recurring contribution to the MSHMI program. Simply select "Healthcare Management Informatics Program" from the dropdown menu.



# COLLABORATIVE PARTNERSHIPS: ACADEMIA AND INDUSTRY PARTNERS SOLVING REAL DIGITAL HEALTH CHALLENGES



The Master of Science in Healthcare Management and Informatics Program thanks each of our industry partners for making their resources and expertise available to these projects. Their contributions are essential in empowering our student researchers to develop solutions to real-world digital healthcare challenges and improve patient outcomes.



## Assessing the Relationship Between Preventive Care Practices and Suicidal Ideation Among High School Students: An Analysis Using the 2019 Youth Risk Behavior Surveillance System



According to the Centers for Disease Control and Prevention (CDC), death by suicide has been persistently one of the top causes of death for teenagers in the United States. This, coupled with a worsening mental health crisis among teenagers in recent years, is cause for alarm for parents, school administrators, public health officials, and society in general. Because of the hidden nature of mental health disorders and suicidal ideation, in addition to lingering taboos surrounding

both, it may be challenging to adequately address these problems using traditional approaches. Interestingly, prior research has shown that healthy, preventive care behaviors, such as adequate sleep, physical activity, and healthy eating are associated with improved mental health and well-being. However, most of the research in this area explores the relationship between preventive care behaviors and a specific mental health condition, such as depression or anxiety. Fewer have explored the relationship between these behaviors and suicidal ideation specifically, and thus, the present study aims to fill this apparent gap. Results indicate that students who regularly meet sleep recommendations, regularly eat breakfast, and avoid cigarette and marijuana smoking may be less likely to experience suicidal ideation compared to their peers. These results demonstrate potential opportunities for programming, including food programs as well as improved health curriculum, which could be implemented in schools to indirectly begin to address the national crisis currently being experienced by teenagers.

**Students:** Jazmyne Lane, Anas Alhasan Almashhour

**Faculty Advisors:** Austin Brown, Sweta Sneha

**Industry Sponsor:** CDC

*\*WON FIRST BY A PANEL OF INDUSTRY LEADERS IN DIGITAL HEALTH TECH*





## Virtual Nursing Discharge: Enhancing Health and Well-Being while Reducing Readmissions



Virtual nursing has emerged as a viable solution to improve patient health outcomes and reduce hospital readmission. In this study, our method of approach was to investigate the advantages and disadvantages of virtual nursing discharge for improving health and well-being. Our sources utilized in this research were observation of the care team and interviews with patients who had undergone virtual nursing discharge. Implementing the use of virtual nursing can alleviate workload that can be done remotely and allow nurses to focus on more direct, quality patient care. This

paper provides an overview of the role of virtual nursing in the discharge process, including its benefits, challenges, and best practices. It will also identify the challenges and limitations concerned around patient privacy and the need for extended preparation and communication.

**Students:** Bonnie Theresias, Riley Tucker, Janice Goins, Jovelle Patterson, Nicole Ogbuagu

**Faculty Advisor:** Valentina Nino, Maria Valero de Clemente, Sweta Sneha

**Industry Sponsor:** WellStar at Paulding Hospital

***\*WON SECOND BY A PANEL OF INDUSTRY LEADERS IN DIGITAL HEALTH TECH***



## Barcode Medication Administration – Process Mapping and Assessing in a Military Hospital



**Objective:** To assess and map the barcode assisted medication administration (BCMA) process in medical-surgical units at a military hospital and develop a dashboard to ease viewing metrics and variables associated with barcode scanning.

**Materials and Methods:** A retrospective study in a tertiary care military medical center data analysis covered a six-month period (September 2022 - February 2023) across four inpatient medical-surgical units. The data was de-identified of patient or staff details, but included variables surrounding instances where medication barcode scanning was not used.

**Results:** The analysis revealed nearly 10% of non-compliant meds have no bypass reason documented. Where documented, medication bypass was more prevalent than patient ID bypass. 54.78% of the medication bypass reasons were due to damaged or unable to scan barcodes, followed by 10.87% due to non-barcoded medication. Damaged or unable to scan barcodes accounted for 38.40% (n=1,038) of patient ID override reasons.

**Discussion:** Most bypass reasons were documented as damaged or unreadable barcodes, indicating a need for further investigation. The volume of non-barcoded medications also warrants standardized medication labeling consideration. Furthermore, the study provides specific information about the medications that generated the greatest number of override alerts.

**Conclusions:** The majority of bypass reasons were associated with medication bypasses and were heavily linked to barcode-related factors. Documentation via a pathway that doesn't require BCMA use or override documentation still remains. Ongoing dashboard management and monitoring along with deeper investigation in key areas will offer greater insight into opportunities to improve overall BCMA compliance and process adoption.

**Students:** Joli Miracle, Farah Muttardy, Richard Ogniewski, Elie Tannouri

**Faculty Advisor:** Sweta Sneha

**Industry Sponsors:** MAJ Maria-Cristina Caruso, Tripler Army Medical Center, a Defense Health Agency (DHA) Facility V/R

***\*WON THIRD BY A PANEL OF INDUSTRY LEADERS IN  
DIGITAL HEALTH TECH***



## The Evolving Landscape of Health Information Exchange: Preparing MEDITECH for TEFCA Onboarding



Adopting standards and procedures that support nationwide interoperability are critical for healthcare organizations transitioning into the Trusted Exchange Framework and Common Agreement (TEFCA). The EHR companies like MEDITECH, are one of the first Participants to be adopted under TEFCA and will be required to make changes to their current policies and procedures. MEDITECH's current practices and procedures that involve health information exchange are being analyzed to assist with what the future state

will be under TEFCA. Research, workflow analysis and customer survey responses have led to recommendations and optimized workflow designs that will support nationwide interoperability. This analysis is a steppingstone in what the healthcare industry will look like as TEFCA becomes the precedent for health information exchange. EHR companies should be evaluating their current workflows and procedures to identify areas of change that will allow a smooth transition to this new agreement.

**Students:** Cameron Broadnax, Chris Burgess, Clarette Epps

**Faculty Advisor:** Sweta Sneha

**Industry Sponsor:** Adama Blaha, Director of Interoperability, MEDITECH

# An Exploratory Analysis of Return on Investment of Employee Wellness Programs



**Purpose:** Employee wellness programs are becoming increasingly popular in corporate America. The prevalence of risk factors such as high cholesterol, obesity, and high blood pressure in the workplace is on the rise. In order to keep costs low on health insurance and improve employee wellness, employers are turning to wellness programs in order to mitigate the issue. However, many employers want to know the return on investment (ROI) of these programs and if they are profitable and effective. The goal of this paper is to analyze the trends of data collected from multiple companies and attempt to calculate an accurate ROI.

**Methods:** This project consists of creating a dashboard in Power BI that follows data generated from 6,000+ employees from over 10 different employers from the years 2022 to 2023 collected from a southern United States based wellness corporation. The dashboard was broken up into 9 different tabs that allow the user to focus on one specific theme of the data such as habits, basic statistics, screening, age, gender, ROI, and more.

**Findings:** After completing the dashboard, the variables that can be used to calculate an accurate ROI are the number of sessions completed and the number of participants that are considered high, low, and moderate risk from year to year. By looking at the number of coaching sessions attended and the level of risk, one can conclude that the increased participation in coaching sessions leads to a decrease in the level of risk, or otherwise, a positive ROI. Therefore, a negative ROI is the result of a decrease in participation of coaching sessions and an increase in the level of risk year to year.

**Students:** Mikaela Keith, Tyler Simon, Lisero Mugula

**Faculty Advisors:** Soo Shin, Sweta Sneha

**Industry Sponsor:** Engagement Health Group



## Gen Z Learning and Communication Styles



Using a literature review approach, we synthesized the existing research on Gen Z nurses and their impact on the healthcare industry. The literature review revealed that Gen Z nurses bring several unique attributes to the profession, such as being digital natives, having a strong desire for work-life balance, and valuing diversity and inclusion. Additionally, they have a strong sense of purpose and are driven by a desire to make a difference in the world. These characteristics are becoming increasingly important in the healthcare industry, as it faces new challenges such as the aging population, the increasing demand for healthcare services, and the need for innovative

solutions. Gen Z nurses are well-positioned to address these challenges, using their technological skills, their commitment to work-life balance, and their desire to make a positive impact.

**Students:** Ziyah Anderson

**Faculty Advisors:** Margot Hendenstrom, Sweta Sneha

**Industry Sponsor:** Piedmont Healthcare

# PMMA, PEEK, and Porous Polyethylene: A Review of Implant Materials When Used in Cranioplasty



The purpose of this systematic study is to evaluate evidence-based data on Polymethyl methacrylate (PMMA), Porous Polyethylene, and Polyetheretherketone (PEEK) and examine the capabilities along with the potential for complications of these three materials when used as implants in a cranioplasty procedure. Methods: A search of articles was conducted on the PubMed and National Library of Medicine databases. Only articles from the last five years were reviewed. The following keywords and phrases were used to uncover relevant data:

“Cranioplasty Implant Material,” “PEEK versus PMMA versus Porous Polyethylene,” “Complications with PEEK in Cranioplasties,” “Complications with Porous Polyethylene in Cranioplasties,” “Complications with PMMA in Cranioplasties,” “Prosthesis Implantation,” and “Cranial Implant Infection.” Results: PMMA, PEEK, and Porous Polyethylene all had similar capabilities when used in cranioplasty procedures. The porous polyethylene allowed for fibrovascular in-growth, resulting in the reduced risk of infection. PMMA and PEEK offered great durability and strength when used in cranioplasties. Value: With cranioplasty procedures having such a large complication rate, it is crucial implant material does not add to this by creating unnecessary complications. It is critical that implant materials be examined thoroughly to determine their capabilities and true risk they play in the likelihood of adverse effects in cranioplasties.

**Student:** Jaclyn Maney

**Faculty Advisor:** Sweta Sneha

**Industry Partner:** Poriferous



## Metaverse Growth in Healthcare



Metaverse's integration with AI, VR, and blockchain will revolutionize healthcare by securely communicating patient data and improve education through immersive training. Metaverse blockchain stores data and connects the virtual with the real world. Metaverse technology can improve medical education by building a medical technology and artificial intelligence ecosystem. VR metaverse training advances healthcare. Simulation-based activities allow students to practice complicated tasks safely, improving their skills and knowledge.

Metaverse has a large healthcare market potential, and government and private funding is expected. Metaverse technology will revolutionize healthcare by transforming healthcare delivery and quality. This research will highlight how metaverse can impact healthcare through secure data sharing, educational training, and the challenges of funding it faces.

**Students:** Ashana Vaudreuil, Marci Sparrow, Mele Kwon, Melissa Rivera

**Faculty Advisor:** Sweta Sneha

**Industry Sponsor:** AMIA Fellowship

# Optimization of Electronic Health Records (EHR) to Improve Consumer Outcomes and System Performance



This case study reveals true examples of how a personal injury law firm addresses quality improvement issues and problems within the medical records department. We will address strategies, challenges, barriers, and solutions in the implementation of electronic health records quality improvement interventions. This research has originated from real-world experiences, proposing tools that can improve practices electronic counseling, lab ordering and telehealth capabilities. We will identify key performance indicators that will proliferate system performance

and business revenue. Moreover, this research aims to be generalized throughout healthcare organizations, law firms, insurance companies, etc.

**Student:** Bryana Higginbotham

**Faculty Advisor:** Sweta Sneha

**Industry Sponsor:** Kaila & Solomon Law Group



## The Effectiveness of Telesitter on Video Monitoring of Patients to Reduce the Fall Rate



**Objective:** This study aimed to educate and train the telesitter staff in effectively monitoring the patients through video surveillance to reduce the fall rate and improve patient safety among hospitals.

**Methods:** A pre-implementation and post-implementation study in the video monitoring of patients was observed and conducted. By reviewing the data from October to December of 2022 for the pre-implementation period and from February to April 2023 for the post-implementation period, fall rates were

compared and the impact of telesitters through video monitoring was evaluated.

**Results:** We observed that there were twenty-three falls during the pre-implementation study and twelve falls during the post-implementation study, which showed that there was a significant reduction in the number of falls.

**Conclusions:** Telesitters were able to continuously watch the patients through video monitoring, which decreased the fall rate, decreased the costs for care and improved patient safety in hospitals.

**Students:** Brandi Baugh, Poornima Shahitha Katragadda

**Faculty Advisor:** Sweta Sneha

**Industry Sponsor:** WellStar

## Pre-Mitigation iPhones, Epic, and Applications Cases: Unified Communications at Kennestone Hospital



Healthcare Organizations have seen many advancements throughout the decades. Advancement in Technology has been a significant issue over the years. Security, privacy, and interoperability have been significant challenges in all Healthcare organizations. To overcome these challenges, WellStar Health System initiated the deployment of iPhones to their nurses and physicians to increase the effectiveness in their workflow of patient care. The Unified Communications project that is in flight with WellStar

Health System was inspired by a similar previous completed project done with the WellStar West Georgia Medical Center. With the transition of replacing outdated phones with minimal changes of functionality, the clinical staff can create an updated and more effective workflow in their patient care. The functionality of having mobile access to Epic via the application Rover, allows nurses and providers to work towards a superior patient care experience. The Epic Rover application on the iPhones give a greater good to the company through, better facilitation on medication barcode scanning, provide translation services, access to PerfectServe, and a secure messaging between staff functionalities. Completing the Unified Communications project at WellStar Kennestone Hospital will increase effectiveness in patient care and create a foundation of expanding the project to all or many other WellStar hospitals and practices

**Student:** Arleen Patinga, Hansa Das

**Faculty Advisors:** Dr. Sherry Ni & Sweta Sneha

**Industry Sponsors:** WellStar Health System: Cori Kelley, Emmy Sturch, Katrina White



# A Comparative Analysis of State Legislation and Nascent Outcomes and Recommendations in Building State-Level Sickle Cell Disease Programs and a National Sickle Cell Disease Registry



Sickle Cell Disease currently has no national registry. However, several states over the previous half-decade have enacted legislation to create state-level structured SCD programs and SCD and Sickle Cell Trait, SCT, registries. Sickle Cell Disease is a genetic disorder, present from birth when the gene is passed from both parents. It is the most prevalent blood disorder in the United States with approximately 2000 new cases per year and about 100,000 people in the United States live with the disease.

This report reviews recent legislation, laws, programs adopted and created related to SCD. This includes a review of initial annual reports by various state Sickle Cell Disease commissions. It looks at the variety of services and studies borne of these nascent programs: examples include services and studies examining Social Determinants of Health (SDOH), Rx medications, SCD treatments, SCD specific clinics, registries, healthcare access and positive wellness outcomes. The SCD data and policies are primarily from Medicaid recipients.

**Student:** Mark Greenburg

**Faculty Advisors:** Sweta Sneha

**Industry Sponsors:** Georgia Health Policy Center at Georgia State University

# Histological Staining



This paper examines the role of unstained slides within histology. At this time, unstained slides are being ordered from physicians at a very high rate. Most slides are not used for further testing and are filed and eventually thrown away. The wasting of slides is expensive. The wasting of patient tissue is the most expensive. Incorporating evidence from actual cases, we have come up with a possible resolution to the over-ordering of unstained slides in histology laboratories. We have broken down which patient tissue had more unstained slides ordered

on them and by which pathologist/resident. The results came from a 30-day window into the histology laboratory.

**Student:** Jasmine Williams

**Faculty Advisor:** Sweta Sneha

**Industry Sponsor:** Emory



# Our Story



# Our Students



# Testimonials



“ My Healthcare Management and Informatics training has allowed me to advance in my career, moving from a senior nurse in the Cardiac ICU to focus on projects related to patient outcome improvement. I’m now a Clinical Informaticist, and have presented my work at several conferences over the past year ”

**SARAH THOMPSON**  
Clinical Informatics Nurse - Children’s Healthcare of Atlanta



“ Countless times Sweta gave us the chance to interact with executives, whether at conferences or other networking events. This made me feel really comfortable when it was time to do the actual job. I already knew how to answer questions, be knowledgeable, and control the room ”

**DR. FORTUNE ONWUZURUIKE**  
Security Program Manager 2 - WebXT - Microsoft



“ As a medical professional who has seen firsthand how health informatics has been used in the midst of a pandemic, I realize how crucial it is to work closely with informatics to interpret the data collected from a clinical perspective. It is more and more important for clinicians to become involved and assist with data collection in a manner that forwards patient care ”

**DR. VIDYA SOUNDARARAJAN**  
OB/GYN - WellStar Cobb Gynecologists



“ As a student in Kennesaw State’s Healthcare Management and Informatics Master’s program, I learned the principles and theories to develop practical solutions in a real-world healthcare environment. ”

**JOSHUA SABITI**  
Sr. Associate, Data Scientist - McKesson



“ The opportunity to interact with key individuals in the healthcare industry as well as the MSHMI program curriculum’s blend of healthcare and informatics will aid me in achieving the goals I’ve set for myself. The curriculum can take me far, but what’s more important is that I can transfer my knowledge into the real world ”

**VARUN THALLA**  
Project Manager - Cognizant



“ I had a great experience as a MSHMI student. The interdisciplinary program was challenging, but it provided insights into the different competencies in Healthcare IT – from a leadership and governance to informatics and analytics. The program helped me to become a more well-rounded leader ”

**RONDA BROOME**  
Associate Director - Synapse



“ Familiarity with Healthcare IT systems helps you develop effective solutions. Since graduating from the MSHMI program, I have successfully implemented solutions for every area of the business where I work, from Human Resources to billing and payroll solutions ”

**FAISAL SALEEM**  
Chief Operating Officer - Children’s Medical Group



“ Since graduating from the MSHMI program, I have provided consultation on both the clinical and technical spectrum. The ability to ‘speak the language’ of both the clinical and technical side of healthcare has been key to my career advancement, as well as having access to work on some interesting Data Analytics projects ”

**ANDREA RIDINGS**  
Quality Data Steward - BlueCross BlueShield of Tennessee

## KEYNOTE SPEAKER

# Raj Sardana

Chairman, CEO, and Founder, Innova Solutions



**Raj Sardana** is the Chief Executive Officer of Innova Solutions. He is a successful entrepreneur with over 25 years of experience working with multinational companies across several industries, including investment and workforce management. Raj founded ACS Solutions in 1998 (rebranded to Innova Solutions in 2022); under his leadership, the company has expanded into a global organization that, along with its subsidiaries, employs more than 50,000 professionals worldwide and reports annual revenues approaching \$3 billion. Innova Solutions has over 50 office locations in the United States as well as offshore development centers in India, Taiwan, and Mexico.

Throughout the growth of Innova Solutions, Raj has remained committed to giving back to communities around the globe. Along with his wife, Nita Sardana—Vice President of Community Outreach and Corporate Giving—Raj has led Innova in its support of local U.S.-based non-profit organizations, including the YWCA's Teen Girls in Technology Program, Women in Technology (WIT), and the Atlanta Food Bank.

In India—where Innova has several offices and delivery centers—the company supports the Earth Saviours Foundation, an NGO located in Delhi that works to promote social consciousness and environmentalism.

Prior to founding Innova, Raj served as President and CEO of Applied Communications, Inc., a multi-media and technology company in Atlanta, Georgia. He also served as President and CEO of a multi-million dollar private equity group with a diverse and extensive investment portfolio in the real estate, retail, and service industries. Raj also has experience working in the aviation, defense, venture investment, and financial services industries.

Raj graduated from the Delhi College of Engineering with a BS in Mechanical Engineering. He also earned a Master's Degree in Mechanical Engineering from Georgia Tech and an Advanced Management Certification (AMP) from the Wharton School of Business (University of Pennsylvania).

## KEYNOTE SPEAKER

# Kanyatta Walker

Vice President, Information Technology at Cisco



As a Vice President within Cisco's IT organization, **Kanyatta Walker** is responsible for delivering best-in-class technical solutions that power Cisco's critical internal Human Resources and Legal applications. Kanyatta's organization is committed to creating exceptional employee experiences by focusing on engineering with automation, simplicity, and security in mind—making Cisco an even better place to work.

As an accomplished executive professional with more than 24 years across technology, digital transformation, operations, and engineering, Kanyatta is known for embracing change, driving innovation, and solving complex problems. She most recently served as Vice President of Cisco's IT Operations where she led strategy, governance, risk, and compliance for the organization.

Prior to joining Cisco, Kanyatta led IT transformation and operations at ADP.

Passionate about mentoring and fostering professional development of young women in Science, Technology, Engineering, Arts, and

Math (STEAM), Kanyatta currently serves on the Advisory Board of Directors for Women in Technology (WIT) and the Advisory Council for the Executive Women of Goizueta at Emory University. She is also an active leader within Cisco Employee Resource Groups and serves as the Global Connected Black Professional Co-Lead Women of Cisco Southern Region Executive Sponsor.

Kanyatta holds an EMBA from Emory's Goizueta School of Business, a Bachelor of Science (BS) in Software Engineering Technology from the University of Southern Mississippi, and was recently selected as a member of the 2024 class of Leadership Atlanta.

Kanyatta lives in Johns Creek with her husband and daughter. When not spending time with family and friends (and not on the softball field with her daughter), she enjoys traveling and exploring new places.

# Healthcare Management & Informatics (HMI): Aspire to More

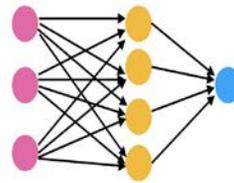
## ACADEMIC INNOVATION



250+ Students



The Only Program of its Kind

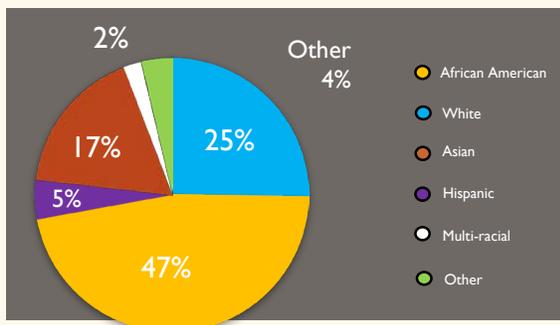


Interdisciplinary Across Four Colleges

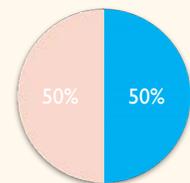


Textbooks, Software, Professional Membership

## DIVERSITY, EQUITY, INCLUSIVITY



6 Continents



Gender Equality



30 Years Average Age

No GMAT/GRE

## HMI FOOTPRINT ON DIGITAL HEALTH



Student Awards/  
Accolades  
HIMSS, SONY,  
TAG



Industry  
Collaborations



Certifications  
AHIMA, CAHIM,  
R, SAS, etc.



Publications



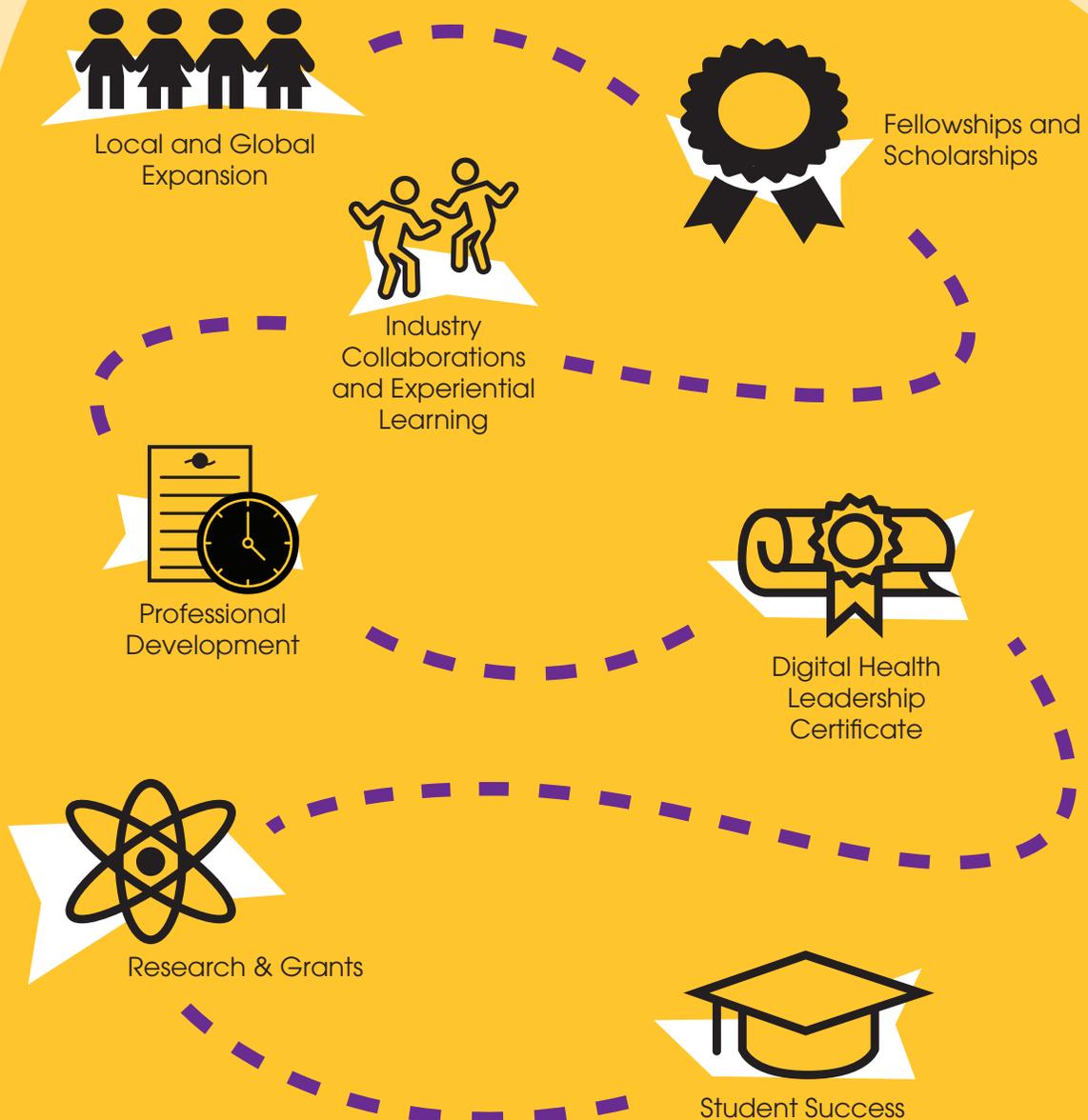
Faculty  
Fellowships



Graduate  
Research  
Assistantships

# Our Vision Forward

## 5-Year Roadmap



The first-of-its-kind **Master of Science in Healthcare Management and Informatics** program is a global leader in developing the next generation of healthcare technology innovators. The program's immersive learning approach means students receive countless professional development opportunities and engage directly with business and community partners to solve modern healthcare challenges.

# MSHMI Alumni Cohort 1

---

Vinkle Anand—Senior Associate Consultant, Cerner Corporation

Adeola Bamiro—Data Analyst, Wencor

Christopher Blodgett—Applications Engineer, MR Systems, Inc.

Ivan Cardona—Senior Support Engineer, Synchron

Mahlet Gebrehawariat—Registered Respiratory Therapist, Eastside Medical Center

Shiva Keerthi Giramaji—Graduate, MSHMI

Taugiq Hassan—Data Management Coordinator, Children's Healthcare of Atlanta

Donna Heathcock—Healthcare IT Professional, WellStar Health System

Dr. Anubhav Karkar—Epic Consultant

Bonnie McDaniel—Senior Financial Planning Analyst, WellStar Health System

Monalisa Patel—Quality Management Specialist, Emory Healthcare

Andrea Ridings—Clinical Principle Business Analyst Consultant, BlueCross BlueShield of TN

Faisal Saleem—VP of Operations, Children's Medical Group, P.C.

Uchita Shah—Neuroscience Sales Specialist, Biohaven Pharmaceuticals

Dr. Pooja Shah—Medical Payment Specialist, AdvancedMB

Dr. Jiyo Shin—Physician, WellStar Health System

Dr. Vidya Soundararajan—Obstetrician/Gynecologist, WellStar Cobb Gynecologists

Brandie Szuda—Chief Data Officer, MagMutual

Sereyroth Than—Forensic Scientist, Quest Diagnostics

Bernis Tibeme—Radiologic Technologist, Children's Healthcare of Atlanta

# MSHMI Alumni Cohort 2

---

Oluwatosin Adedayo—Workforce Technology

Development Lead, Boys & Girls Club of Metro Atlanta

Ibidunni Alabi—Scrum Master, Scrum Master Guild

Mabel Amedor—Associate Clinical Data Manager, ClinFocus

Nicole Bershader—Clinical Quality Value Analysis Facilitator, WellStar Health System

Ronda Broome—Senior Manager, Clinical Abstraction, Synapse

Gracie Carter—Product Manager, HaulHub Technologies

Charles Chakkalapadavil—EMR Training and Support Specialist, Children's Healthcare of Atlanta

Emily Ennis—Senior Business Intelligence Analyst, Cerner Corporation

Teresa Evans—Infection Control Specialist, Floyd Medical Center

Eduardo Garcia—Product Manager, Walmart

Sadia Ghani—Graduate, MSHMI

Christian Haygood—Clinical Research Nurse, Northside Hospital

Melissa Hudson—Reimbursement Analyst, Children's Healthcare of Atlanta

Philip King—Healthcare Informatics Project Manager, GRM Information Management Services

Janae Logan—Data Analyst, Emory Healthcare

Solome Mekbib—Clinic Healthcare Analyst, University of Western States

Anusha Nalla - Professional Informatics Analyst, MVP Health Care

Olakunle Omodara—Construction Electrician, US Navy Reserves

Fortune Onwuzuruike—Security Program Manager 2-WebXT-Microsoft

Suzanne Potter—Clinical Informatics Specialist, WellStar Health System

Bushra Siddiqi—Data Analyst, Marsh & McLennan Agency

Rachel Sykes—Pre-Operative Registered Nurse, Peachtree Orthopedics

Nolan Taaca—IT Interoperability Application Analyst, WellStar Health System

Yasmin Lynch—Practice Manager, Southeast Primary Care Partners, LLC

Mikia Thomas—Insurance Operations Associate, PwC

Denise White—Paralegal, Glasser & Schaeffer, PC

Patricia Whitley—Program Director, Health Information Management Technology, Gwinnett Technical College

## MSHMI Alumni Cohort 3

---

LaMeeya Bumphus—Patient Access Specialist, WellStar Health System  
Neha Burse—Data Analyst, Good Samaritan Health Center of Cobb  
Victor Casnova—Rx Shift Supervisor, CVS Health  
Modupe Coley—Clinical Data Analyst, Oncology Analytics Inc.  
Raul Contreras Soriano—Digital Transformation Officer, CEDISA  
Jana Duncan—Product Analyst, Zenis  
Andrea Fekete—RN  
Edwin Fomanka—Lean Process Improvement Engineer, Florida Cancer Specialists & Research Inst.  
Stacey Hayes—Senior Immunology Account Executive (Regional/Multispecialty), AbbVie  
Siddharth Kelavkar— Certified Operator, The UPS Store  
Francis Kouakou—Case Management Coordinator, InCommunity

Uchenna Mogbo—Business Analyst  
Oluwagbenga Ogungbemi—Graduate, MSHMI  
Robert Oru—Senior Clinical Data Coordinator, Torque Therapeutics  
Valerie Payne —Consultant, Deloitte  
Denzel Peterson—Human Resource Analyst, Hewlett Packard Enterprise  
Joshua Sabiiti—Sr. Associate, Data Scientist, McKesson  
Folake Sanni—Graduate, MSHMI  
Andrea Taylor—Technical Manager—Identity Manager, Turner Broadcasting System Inc.  
Sarah Thompson—Critical Care Registered Nurse, Children's Healthcare of Atlanta  
Athena Walker—Quality Assurance Manager, Grady Health System  
Nathaniel Ziolk—Data Analyst, Hemophilia of Georgia Center for Bleeding and Clotting Disorders of Emory

## MSHMI Alumni Cohort 4

---

Deborah Adedeji—Pharmacist,, Walmart  
Emmanuel Adeyemi—Pathology Lab Manager, Marietta Dermatology & Skin Cancer Center  
Temitope Balogun—Store Manager, Kohl's  
Rodney Brown Sr.—Sales Consultant, Talent Innovation, AMS  
Anastassia Cabrera—Operations Specialist, CRH Anesthesia  
Kennedy Craig—IT Coordinator, Aveanna Healthcare  
Ijeoma Ikedum—Medical Provider  
Tanesha Jones—PhD Candidate, University of Washington  
Rahab Kairu—Staff Accountant, North America Transport INC  
Chelsey King—Nurse Medical Management, Anthem  
Brandon Lade—Interoperability Application Analyst, WellStar Health System  
Akasha Lawrence—Human Resource Representative,

WellStar Health System  
Roxanna Lopez—Graduate, MSHMI  
Emily Mantooth—Coordinator Physician Based Programs & VBC, Northside Hospital  
Lorna Migiro—Graduate, MSHMI  
Bernice Ndungu—SPOC Supervisor, DeKalb County Board of Health  
Chineze Okpala—HR Coordinator, Divine Touch  
Alina Panjwani—Data Warehouse Developer, Salient Management Company  
Sri Varun Thalla—Project Manager, Cognizant  
Monica Vickery—Lead Rehabilitation Aide, WellStar Health Systems  
Jacqueline Warren—Director of Analytics, Corporate Health Partners  
Kara Wright—Patient Access Supervisor, WellStar Health System



## MSHMI Alumni Cohort 5

---

Yesake Abaye—Oncology Pharmacist, Northside Hospital Cancer Institute  
Reshard Abrams—MSHMI Candidate  
Glenice Arnett—Associate Application Analyst, WellStar Health System  
Humera Asfandiyar—Graduate Teaching Assistant, Kennesaw State University  
Desmond Ayika—Data Analyst, Dornier MedTech  
Megan Bove—Registered Dental Hygienist, Michele R. Chartier, DDS, PC  
Lashonte Browne — Registered Respiratory Nurse  
Ann Do—Registered Respiratory Therapist, Children's Healthcare of Atlanta  
Eric Gaare—Billing Analyst, Compass Dermatopathology, Inc.  
Reddy Bhavya Gudi— Information Technology Auditor Intern, Assurant  
Talha Hashmi—PARS Fleet Logistics Specialist, PARS Vehicle Relocation and Transport  
Kimberly High—Sr. Consultant, Staff Technologist, Booz Allen Hamilton  
Jada Jackson—Human Resource Specialist-TCF Trainee, Veterans Health Administration

Daya Kansagra—Data Analytics Intern, Assurant  
Brandon Kenemer—Public Health Analyst, Centers for Disease Control and Prevention  
Pooja Mistry—Registered Nurse, WellStar Health System  
Nicole Molinary—Information Technology Intern, WellStar Health System  
Marquis Morgan—Ops Manager, Hub/Linehaul, FedEx Ground  
Neelam Nosheen—Healthcare Product Manager, Ophthalmics, LLC  
Emmanuel Orekoya—JR Financial Analyst, Endeavor  
Michelle Padelford—Data Analyst, Partners Cooperative  
Janna Pruiett—Senior Technical Support Engineer, VMware  
Helen Schoening—Registered Respiratory Therapist, Piedmont Healthcare  
Lee Solomon—Epic Analyst, Emory Healthcare  
Beana Stone—Associate Account Executive, E Squared Communications  
Oana Tudorache—MSHMI Candidate  
Usen Usen—MSHMI Candidate  
Shakaria Wilson—Implementation Specialist, Meditech

## MSHMI Alumni Cohort 6

---

Ziyah Anderson—Intake Specialist, Attento Counseling Practice  
Brandii Baugh—TeleSitter Supervisor, WellStar Health System  
Cameron Broadnax—Data Entry Processor, WellStar Health System  
Christopher Burgess—Clinical Informatics Specialist, WellStar Health System  
Hansa Das—Graduate Research Assistant, KSU  
Clarette Epps—Data Reporting and Analytics Consultant, Kaiser Permanente  
Mark Greenberg—Care Resource Coordinator, Kaila and Solomon Law Group, LLC  
Jazmyne Griffin—Medical Case Manager, Cherokee Funding  
Bryana Higginbotham—Medical Records Coordinator, Kaila and Solomon Law Group, LLC  
Poornima Shahitha Katragadda—MSHMI Candidate  
Mikaela Keith—Business Data Analyst, KSU  
Miriam (Mele) Kwon—Registered Nurse, Emory Healthcare  
Jaclyn Maney—BoltCare Communications Manager, Bolt Today

Joli Miracle—Senior Nurse Case Manager, US Army, TAMC Soldier Recovery Unit  
Lisero Mugula—Graduate Research Assistant, KSU  
Farah Muttardy—MSHMI Candidate  
Nicole Ogbuagu—Public Health Advisor, Center for Disease Control and Prevention  
Richard Ogniewski—MSHMI Candidate  
Arleen Joy Patinga—Patient Services Specialist, Resurgens Orthopaedics  
Jovelle Patterson—MSHMI Candidate  
Melissa Rivera—MSHMI Candidate  
Tyler Simon—MSHMI Candidate  
Marci Sparrow—Medical Case Manager, Paradigm  
Elie Tannouri—MSHMI Candidate  
Bonnie Theresias—Practice Manager, WellStar Health System  
Riley Tucker—MSHMI Candidate  
Ashana Vaudreuil—Digital Specialist, UnitedHealth Group  
Janice Wallar—Registered Nurse, Atlanta Interventional Institute  
Jasmine Williams—MSHMI Candidate

# MSHMI Alumni Cohort 7

---

Anita Ajuebor—Clinical Operations Intern, Children's Healthcare of Atlanta Cardiology  
Andrea Armstrong—MSHMI Candidate  
Nathaniel Blackmon IV—MSHMI Candidate  
Heighley Bodden—Registered Nurse, WellStar  
Vivian Chima—Graduate Research Assistant  
Tiana Cliett—Registered Nurse, Northside Hospital  
Tonya Condon—Float Nurse, WellStar  
Brennan Couch—Senior Issue Resolution Specialist, LocumTenens.com  
Christopher Cross—Hospital Volunteer, WellStar  
Andre Derilus—Senior Buyer, WellStar  
Mallory Embry—Certified Surgical Technologist, WellStar Windy Hill Outpatient Surgery Center  
Jordyn Fleming—Registered Behavior Technician, Children's Healthcare of Atlanta  
Dichel Graves—Laboratory Assistant, United Digestive  
Calise Hammonds—Front Desk Receptionist, Peachtree Immediate Care (CRH Healthcare)  
Mariah Hubbard—MSHMI Candidate  
Carter Hughes—Certified Athletic Trainer & Physician Extender, Emory Health  
Joy Ihedioha—Patient Care Coordinator, Tend  
Saiyida Jabeen—Graduate Research Assistant, HMI  
Ann Johnson—MSHMI Candidate  
Kay Kellerhouse—Business Information Consultant, Elevance Health  
Nomana Khan—Senior Director, Maximus Public Health  
Nickya King—Daycare Teacher, ABC Kids Academy  
Grete Lawrence—Patient Care Coordinator – Complex  
Caroline Lazaro—Registered Nurse/Emory Electronic Medical Record Resource Nurse Prec III, Emory  
Dabnei LeBlanc—Oncology Pre-Sales Software Planner, Varian

Angelica Lewis—Public Health Educator, Georgia Department of Public Health  
Divya Mamtora—Project Management Intern, Elevance Health  
Olu Mbanugo—Pioneer Country Business Management, Denk Pharma  
Shanil McFarlane-Fuller—Clinical Research Coordinator, Emory University  
Shaniqua McNeil—Infusion Nurse, Shepherd Center  
Rolanda Mills—MSHMI Candidate  
Oghoreye Obazee—Graduate Research Assistant, HMI  
Deborah Ojumu—Healthcare Administrator, A&S Healthcare  
Dipti Paldhikar—General Dentist, A Private Clinic, Inc.  
Khushbuben Patel—TAG Ecosystem Intern, TAG Digital Health Scheduler, Winship Cancer Institute/Emory Healthcare  
Jayline Paniagua—Clinical Research Coordinator, U.S. Renal Care  
Kalyn Simmons—Account Manager, McKesson  
Olubunmi Simpson—Hospital Medicine Lead Clinical Informaticist, WellStar  
Zainab Suara—SCA Appeals Rep, Elevance Health  
Denise Thomas—Senior System Analyst, Northside Hospital  
Elizabeth Vasquez—Senior Application Analyst, Northside Hospital  
Kesjiah Wilcher—Graduate Research Assistant  
Brianna Williams—Behavioral Therapist, Achievements ABA Therapy  
Natasha Williams—Microbiologist, CDC  
Latisha Wilson—Benefits Coordinator, Board of Regents of the University System of Georgia



## Discover More About the MSHMI Program



**KENNESAW STATE  
UNIVERSITY**

COLES COLLEGE OF BUSINESS  
*Department of Information Systems  
and Security*