



Team Science: The CROSS Way

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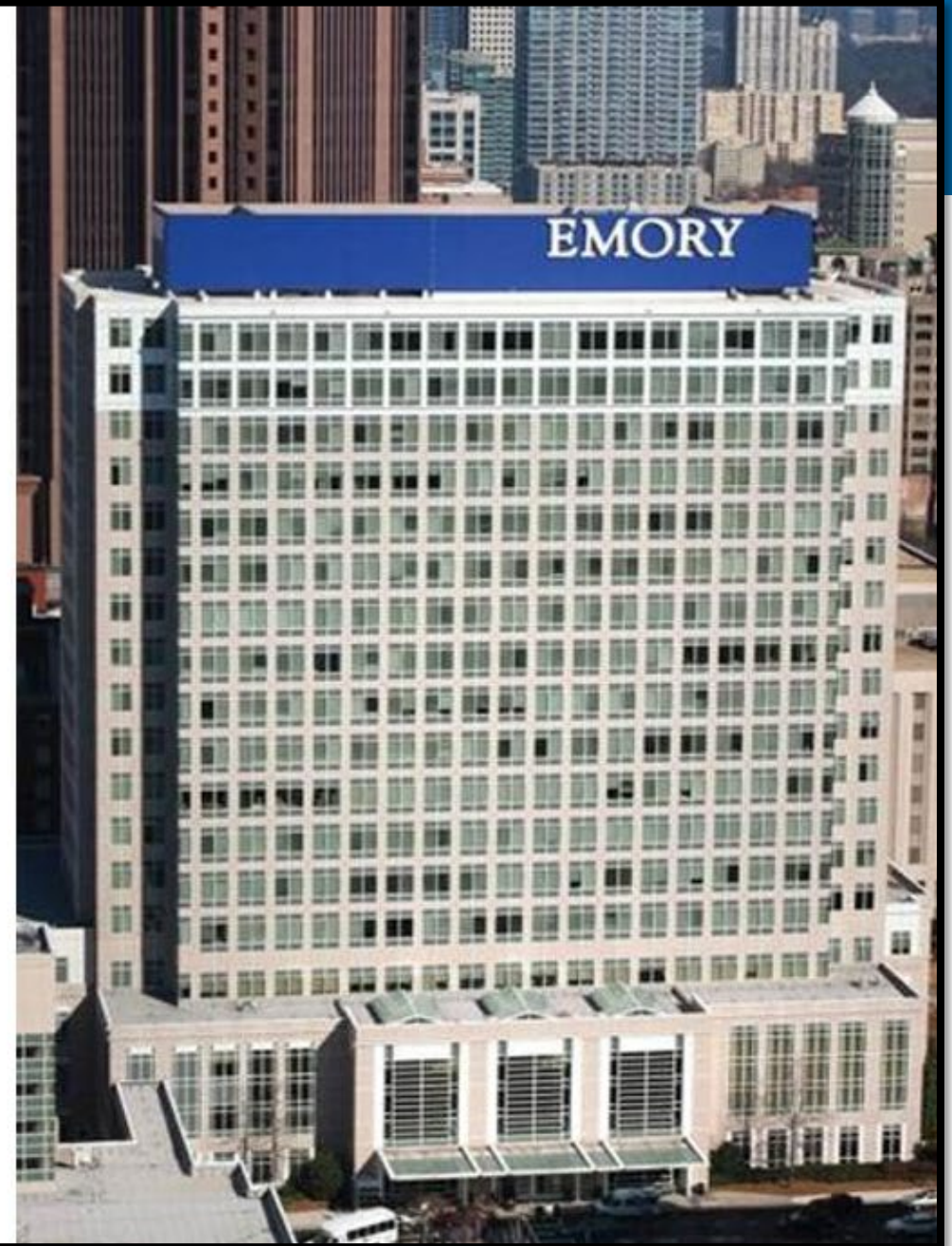
COVID-19 Disparities: Emory University Hospital Midtown



Zanthia Wiley, MD
Associate Professor
Infectious Diseases



Nicole Franks, MD
Professor
Emergency Medicine
Chief Quality Officer



2020 WHSC COVID-19 CURE



EMORY

WOODRUFF
HEALTH
SCIENCES
CENTER

REQUEST FOR PROPOSALS

June 22, 2020

COVID-19 Characteristics of Readmissions and Outcomes and Social Determinants of Health Study (CROSS) at Eight Atlanta Hospitals

Intramural Grant – COVID-19 Center for Urgent Research Engagement (CURE) Reward (\$200,000).



THERAPEUTIC ADVANCES in
Infectious Disease

Original Research

Team Science: Advancing Women and Black, Indigenous, and other People of Color on the Pathway of Conducting Clinical Research

Zanthia Wiley , Jasmah Hanna, Ketino Kobaidze and Nicole Franks

Abstract

Introduction: Innovative discovery begins with diverse perspectives; research teams should harness this model. Black, Indigenous, and other People of Color (BIPOC) and women are underrepresented as researchers. Team science leverages collaborative and cross-disciplinary approaches to diversify the research workforce, and introduces academic (and non-academic) faculty with limited research exposure/experience to clinical research.

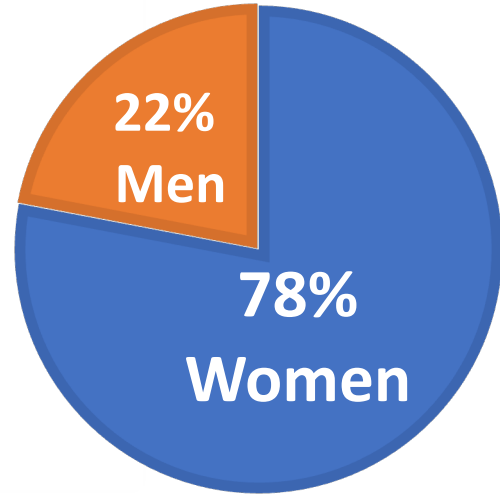
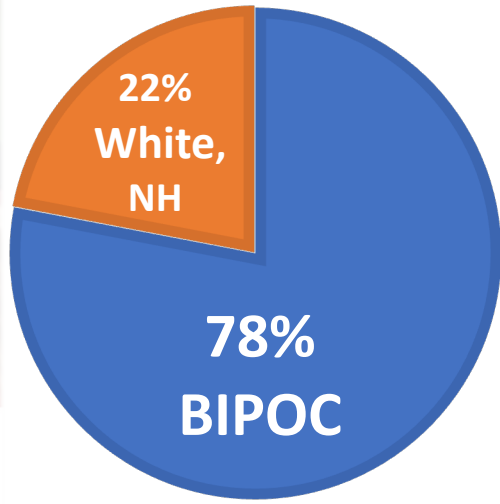
Ther Adv Infect Dis

2023, Vol. 10: 1–10

DOI: 10.1177/
20499361231159501

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CROSS Team



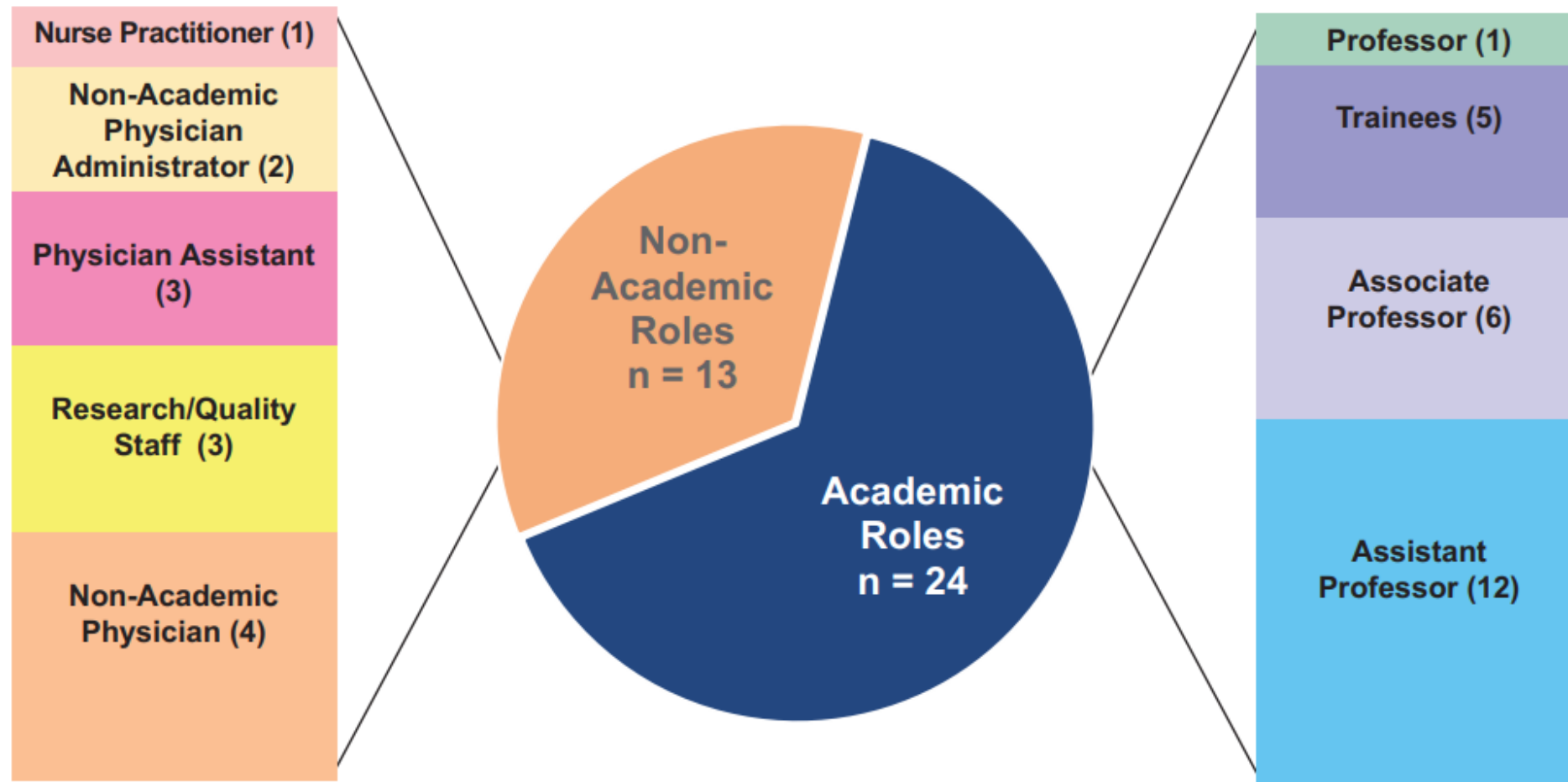


Figure 1. CROSS team member roles.

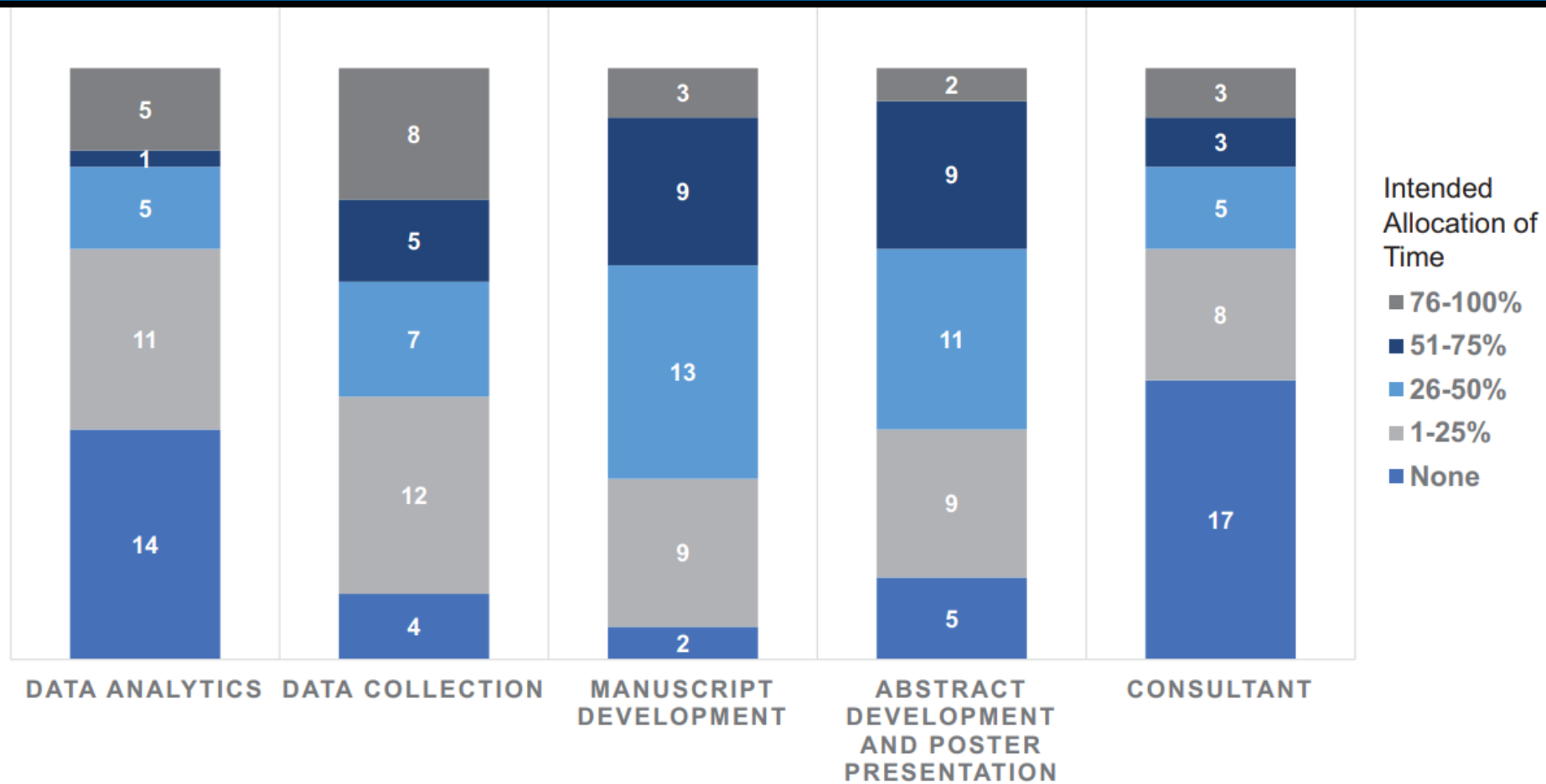




Figure 2. Distribution of CROSS team members' desired areas of participation by intended allocation of effort.



Original research

Clinical characteristics and social determinants of health associated with 30-day hospital readmissions of patients with COVID-19

Zanthia Wiley ,¹ Ambar Kulshreshtha,² Dong Li,³ Julianne Kubes ,⁴ Sheetal Kandiah,¹ Serena Leung,⁵ Ketino Kobaidze,³ Sangmin Ryan Shin,⁵ Abeer Moanna,^{1,6} Jonathan Perkins,³ Matthew Hogan,³ Kanika M Sims,⁷ Tolu Amzat,³ Valeria D Cantos,¹ Temitope Elutilo-Ayoola,⁷ Jasmah Hanna,³ Nadine M Harris,^{1,8} Tracey L Henry,⁹ Onyinye Iheaku,³ Mariam Japaridze,¹⁰ Vaishnavi Lanka,¹¹ Theresa A Johnson,⁸ Nkechi Mbaezue,⁷ Paulina A Rebolledo,¹ Mary Elizabeth Sexton,¹ Phani Keerthi Surapaneni,⁷ Nicole Franks¹²

May 11, 2021

HEALTH EQUITY DAY

Emory University Department of Medicine | RYSE



Featured Presentations

1. Making an Impact with E.M.P.A.C.T.: A New Pilot Mentoring Program for URiM Learners
Henry TL, Freeman C, Adeagbo S, Hood YS
2. Physician expert declarations: a pathway to release for migrants in detention centers
Lue N, Goodall H, Beriwal S, **Rebolledo PA**, Khoury M, Zeidan A

Poster Presentations

1. How limited access to water triggered life threatening illness and death
Pangulur P, Xu JW, Kebbel KBS, Johnson D, **Kobaidze K**
2. COVID in Spanish for the Latinx community
Pinzon I, Angular Alvarado M, Alfonso S, Del Rio C, Patino A, **Rebolledo P, Cantos Lucio V**
3. Expanding the Pipeline of URiM Investigators: The Work of the DOM Research Affinity Group
Alvarez JA, Blanding JO, Han J, **Henry T**, Bussey-Jones J, Mitchell N, Morris A
4. Increasing the Ranks of Black, Indigenous, People of Color and Women in Research
Franks N, Hanna J, Kobaidze K, Wiley Z and the CROSS Collaborative
5. What about race and ethnicity in antimicrobial stewardship? Fortin-Leung K, **Wiley Z**
6. Beyond Collection of Demographic Data: Stratification of Outcomes as a First Step to Address Health Disparities in a Health System.
Franks N, Kubes J, Overton E, Truss L, **Shu J**, Shabbir H
7. Racial and Ethnic Differences and Clinical Outcomes of COVID-19 Patients Presenting to the Emergency Department -
Smothers L, Ross-Driscoll K, Wang Z, Mehta AK, Patzer RE, **Wiley Z**
8. A Mixed-methods Approach to Understanding the Perspectives, Experiences and Attitudes of Cognitive Behavioral Therapy for African Americans with Type-2 Diabetes
Subramanya V, Cornely R, Owen A. Pasquel FJ, McGee RE, **Kulshreshtha A**
9. COVID-19 Characteristics of Readmissions and Outcomes and Social Determinants of Health Study (CROSS) at Eight Atlanta Hospitals
Wiley Z, Lanka V, Surapaneni P, Elutilo-Ayoola T, Byrd R, Li D, Kubes JN, Kulshreshtha A, Kandiah S, Kobaidze K, the CROSS Collaborative, Franks N

~ 56% of our
**CROSS team were
named authors on
posters**

Best Oral Presentation – Clinical/Health Services Research

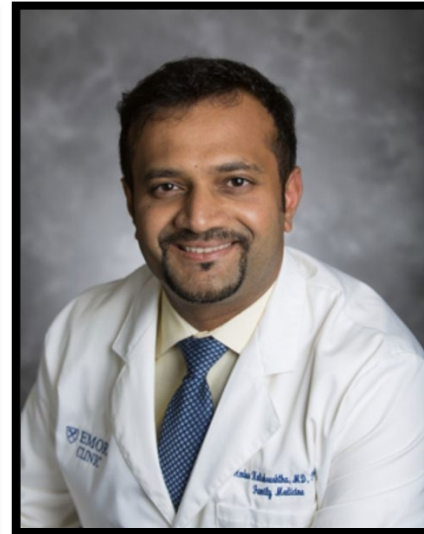
2021 Department of Medicine Research Day award winners



*COVID-19 Vaccine Hesitancy Among Metro Atlanta Healthcare Workers
May-June 2021*



Onyinye Iheaku, MD
Assistant Professor
Hospital Medicine



Ambar Kulshreshtha, MD
Associate Professor
Family & Preventive Medicine



Sheena Kandiah, MD
Associate Professor
Infectious Diseases

Southeast Regional Clinical and Translational Science Conference



On behalf of the 2021 Southeast Regional Clinical & Translational Science Conference Committee:

Dear Dr. Zanthia Wiley,

Congratulations! We are pleased to inform you that your abstract **“Clinical Characteristics, Outcomes, and Predictors of Readmission in Hospitalized COVID-19 Patients in Eight Atlanta Hospitals”** was chosen for an oral presentation at the virtual 2021 Southeast Regional Clinical and Translational Science Alliance Conference.

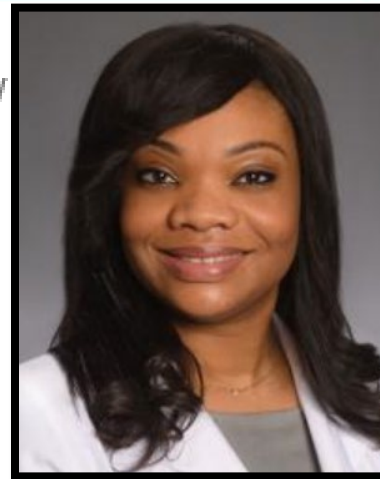


Mariam Japaridze

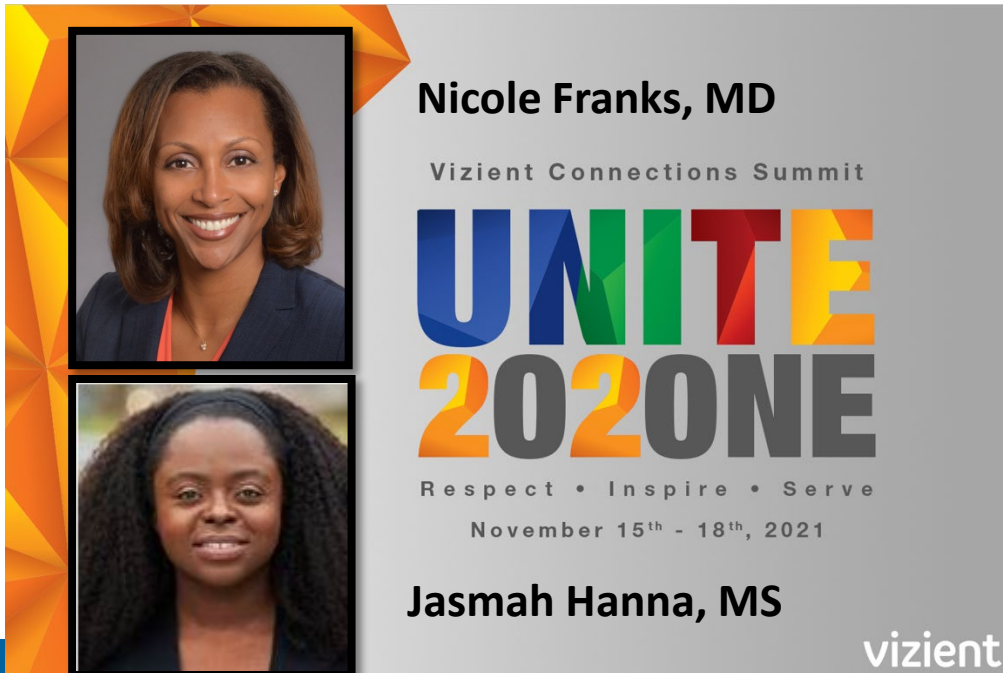
Family Medicine Resident at Wayne State University
Detroit, MI



Tracey Henry, MD



Onyinye Iheaku, MD



Nicole Franks, MD
Vizient Connections Summit

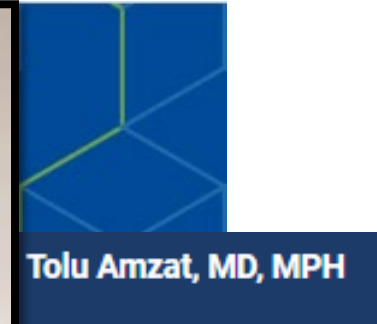
UNITE 2020 ONE
Respect • Inspire • Serve
November 15th - 18th, 2021

Jasmah Hanna, MS

vizient.



AcademyHealth
ANNUAL RESEARCH MEETING
June 14-17, 2021 | A VIRTUAL EVENT

Tolu Amzat, MD, MPH

CROSS Manuscripts



COVID-19 Vaccine Hesitancy Among Metro Atlanta Healthcare Workers May-June 2021 (O. Iheaku, S. Kandiah) **Open Forum Infectious Diseases - PMID: 36237841**

Differences in Diabetes Control in telemedicine vs in-person only visits in ambulatory care setting. (J. Kubes, A. Kulshreshtha). **Preventive Medicine Reports - PMID: 36237841**



Team Science: Advancing Women and Black Indigenous and other People of Color on the Pathway of Conducting Clinical Research (Z. Wiley, N. Franks) –**Therapeutic Advances in Infectious Diseases - PMID: 36968552**




Associations of Telemedicine vs in-person Ambulatory Visits on Cancellation Rates and 30-Day Follow-Up Hospitalizations and Emergency Department Visits (J. Kubes, A. Kulshreshtha) - **Preventive Medicine Reports - PMID: 34976682**

Table 2. Outreach and non-traditional scholarship activities.

Activity type	Description	Date	URL (if applicable)
National news media	<i>New York Times</i> article: In minority communities, doctors are changing minds about (COVID-19) vaccination.	1 January 2021	https://www.nytimes.com/2021/01/01/world/black-and-hispanic-americans-turn-to-doctors-who-look-like-them-for-reassurance-on-vaccinations.html
National news media	<i>USA Today</i> article: lagging COVID-19 vaccination rates in the Black Community	21 July 2021	https://www.usatoday.com/videos/news/nation/2021/07/21/covid-19-why-black-americans-lagging-vaccination-rates/8048671002/
University media	Emory University multimedia news feature: I am an Emory Researcher: Dr. Zanthia Wiley	March 2021	https://news.emory.edu/features/2021/03/emory-researcher-wiley/index.html
/YouTube/social media videos	COVID-19 vaccines: good questions, honest answers by Emory Healthcare Preguntas y respuestas sinceras sobre las vacunas COVID-19 Pandemia Episode 8 COVID 19 y la comunidad Latina: Preguntas y Respuestas	Multiple dates	https://www.youtube.com/watch?v=YjlfE_h2_8s https://www.youtube.com/watch?v=V2CXFiohSUA https://www.youtube.com/watch?v=Ln3vEFQIN78 https://www.facebook.com/watch/?v=186805846069243
COVID-19 vaccination events	These events were publicized in the community and held in the following locations: Historically Black Atlanta churches Historically Black sorority events Latinx community gatherings	Multiple dates	N/A
COVID-19 vaccine education sessions/outreach	These events were publicized in the community and held in the following locations: Local science fair Historically Black sorority events Latinx community gatherings (also held virtually)	Multiple dates	N/A

ALPHA KAPPA ALPHA SORORITY, INCORPORATED • NU LAMBDA OMEGA CHAPTER



COVID-19 VACCINE AWARENESS VIRTUAL FORUM: ALL YOU NEED TO KNOW

Hosted by the Women's Healthcare and Wellness Committee



Facebook LIVE

NOS ACOMPAÑAN

COVID-19 Y LA COMUNIDAD LATINA: PREGUNTAS Y RESPUESTAS

EL MIÉRCOLES 17 DE JUNIO A LAS 6PM

DRA. PAULINA REBOLLEDO
EMORY UNIVERSITY

DRA. VALERIA CANTOS
EMORY UNIVERSITY

LATINO COMMUNITY FUND GEORGIA

Panel Guest Speakers Include:

- Dr. Zanthia Wiley, MD**
Director of Antimicrobial Stewardship Emory University Hospital Midtown
- Dr. Paulina Rebolledo**
Emory Infectious Disease Specialist LatinX Community
- Dr. Valeria Cantos**
Emory Infectious Disease Specialist LatinX Community

CROSS Congratulations!

Nicole Franks, MD

Professor of Medicine



Jasmah Hannah, MS

Associate Director of Research Projects



Zanthia Wiley, MD

Associate Professor of Medicine



Paulina Rebolledo, MD

Associate Professor of Medicine

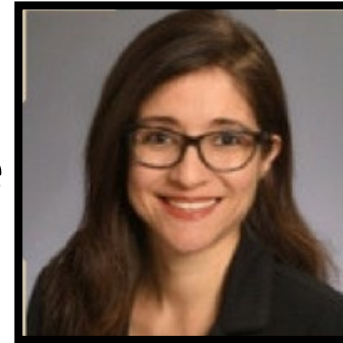


Tracey Henry, MD, MPH, MS

Associate Professor of Medicine

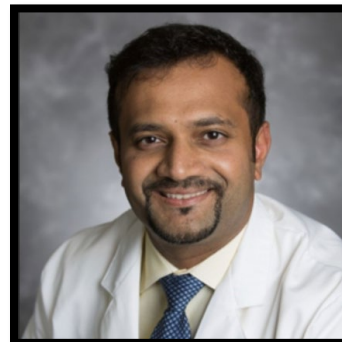
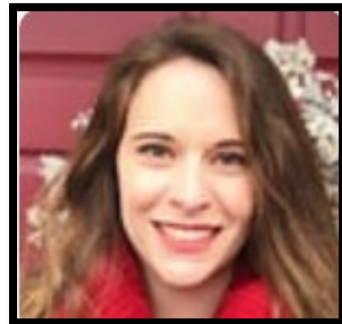
Valeria Cantos, MD

Associate Professor of Medicine



Julianne Kubes, MPH

Data Analyst III



Ambar Kulshreshtha, MD, PhD

Associate Professor of Medicine

The preeminence of ethnic diversity in scientific collaboration

Bedoor K. AlShebli¹, Talal Rahwan^{1,2} & Wei Lee Woon^{1,3}

ARTICLE

NATURE COMMUNICATIONS | DOI: 10.1038/s41467-018-07634



Analyzed > 9 million papers
and 6 million scientists

Assessed the relationship
between research impact
and 5 classes of diversity:

Ethnicity

Gender

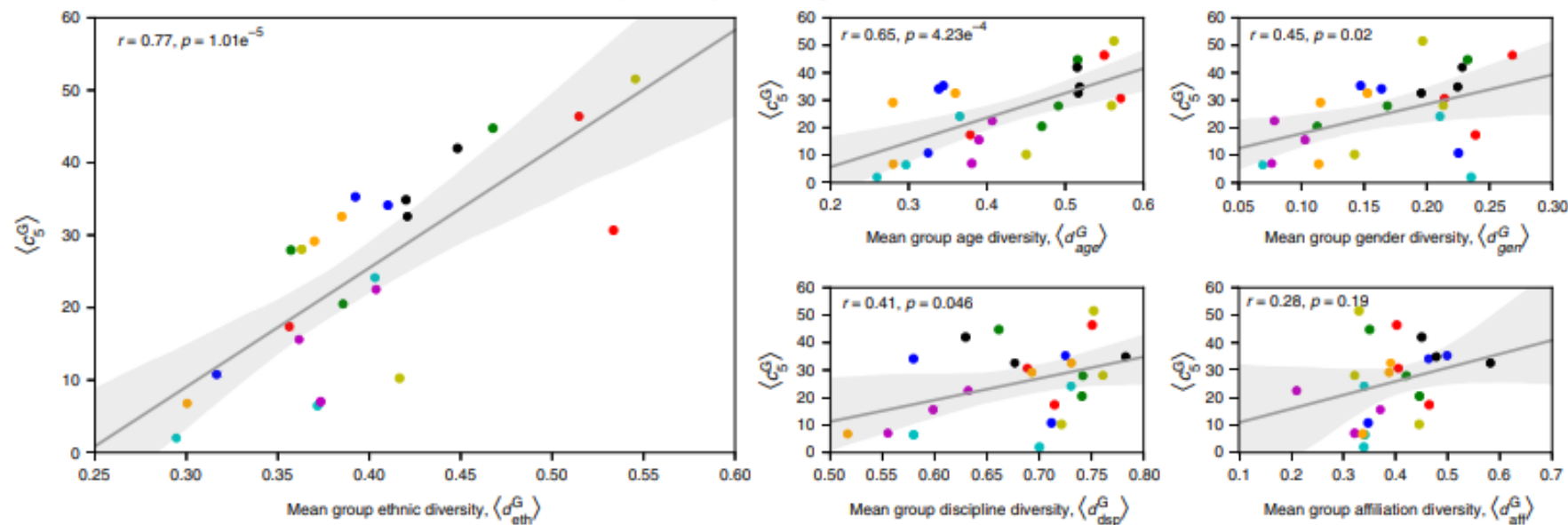
Discipline

Affiliation

Academic Age

a

Group diversity indices against impact



● Eng & Comp Sci

● Bus, Econ & Mgmt

● Physics & Math

● Chem & Mat Sci

● Health & Med Sci

● Hum, Lit & Arts

● Social Sci

● Earth Sci & Life Sci



Thank you

Team Science:
The CROSS Way

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