

JITHIN SAM VARGHESE

jvargh7@emory.edu | Personal: jvargh7.github.io | Lab: chroniq-lab.github.io

January 2026

PERSONAL STATEMENT

I am an engineer and chronic disease epidemiologist working towards the integration of precision medicine, disease surveillance, and data solutions for improving public health. My experience spans cardiometabolic health, maternal and child health, micronutrient deficiencies, mental health, and cognition. Currently, I build interpretable models to study disease heterogeneity and map its spatial distribution using probabilistic and non-probabilistic data sources. All my research is done in collaboration with clinicians and social scientists, using traditional statistical models (longitudinal analysis, latent variable models), causal inference (observational, graphical), and machine learning approaches (supervised and unsupervised methods).

 Reproducible Research: <https://github.com/jvargh7>

PROFESSIONAL EXPERIENCE

Assistant Professor, Rollins School of Public Health

Hubert Department of Global Health & Emory Global Diabetes Research Center, Atlanta 09/2024 –

Co-Director, EGDRC Diabetes Translational Accelerator

Emory Global Diabetes Research Center, Atlanta 12/2023 –

Assistant Research Professor, Rollins School of Public Health (*Non-Tenure Track*)

Hubert Department of Global Health & Emory Global Diabetes Research Center, Atlanta 08/2023 – 09/2024

Postdoctoral Fellow, Emory Global Diabetes Research Center

Hubert Department of Global Health, Emory University, Atlanta 05/2022 – 07/2023

Graduate Research Assistant, COVID-19 Health Equity Dashboard

Hubert Department of Global Health, Emory University, Atlanta 06/2021 – 09/2021

Research Analyst, Division of Nutrition

St. John's Research Institute, Bengaluru, India 09/2015 – 06/2018

Junior Consultant, Forecasting – Marketing Analytics

IMS Health GTO, Bengaluru, India 07/2014 – 08/2015

EDUCATION

Laney Graduate School, Emory University (Atlanta, USA)

Ph.D. in Nutrition and Health Sciences 09/2018 – 04/2022

Title: The association of wealth over the life course with health and disease in adulthood: An analysis of six birth cohorts from five low- and middle-income countries

Indian Institute of Technology Madras (Chennai, India)

B.Tech. and M.Tech. in Biotechnology 08/2009 – 06/2014

AWARDS & HONORS

Sandra A. Daugherty Award for Cardiovascular Epidemiology Nominee

American Heart Association 2025

Early Career Award in Primary Care (*Best Abstract*)

American Diabetes Association 2024

Outstanding Scholarly Research Award in the Natural Sciences (Best PhD Dissertation) Laney Graduate School, Emory University	2022
Best Presentation Bangalore Boston Nutrition Collaborative (BBNC)	2016
IMS Client Delight Award IMS Health	2015
48th Indian Pharmaceutical Congress Prize (Best Master's Thesis) IIT Madras	2014

PUBLICATIONS

Student/Trainee

2025

1. Jiali Guo[#], Robert O. Cotes, David R. Goldsmith, **Jithin Sam Varghese**. Metabolic monitoring and control among patients with type 2 diabetes prescribed second generation antipsychotics. 2025. *Psychiatry Research*. <https://doi.org/10.1016/j.psychres.2025.116925>
2. Zhongyu Li[#], Star Liu[#], Joyce C. Ho, K.M. Venkat Narayan, Mohammed K. Ali, **Jithin Sam Varghese**. Subtypes of Newly Diagnosed Type 2 Diabetes and Risk of Complications: Analysis of Electronic Health Records in the United States. 2025. *Diabetologia*. Accepted.
3. Thomas Hsiao, Lauren Fede, Cameron Gocke, Lance A. Waller, Mohammed K. Ali, **Jithin Sam Varghese**. County Prevalence and Control of High Blood Pressure From Health Kiosks in the United States, 2017–2024. 2025. *Hypertension*. <https://doi.org/10.1161/HYPERTENSIONAHA.125.25829>
4. Jiali Guo[#], Zhongyu Li[#], Shivani A. Patel, Howard H. Chang, Mohammed K. Ali, **Jithin Sam Varghese**. Pathophysiological Risk Factors Preceding Incidence of Type 2 Diabetes Subtypes: A Pooled Cohort Study in the United States. 2025. *Diabetes Care*. Accepted.
5. Krishna Sanaka[#], Erica Kocher[#], Nikhil Srinivasapura Venkateshmurthy, Nikhil Tandon, Shivani A. Patel, Mohammed K. Ali, **Jithin Sam Varghese**. Household aggregation of hypertension in India: a cross-sectional study of nationally representative data from 450 thousand households. 2025. *Journal of the American Heart Association*. <https://doi.org/10.1161/jaha.125.044340>.
6. Rodrigo M. Carillo-Larco, **Jithin Sam Varghese**, K.M. Venkat Narayan, Peter W. Wilson, Arshed A. Quyyumi, Mohammed K. Ali. Hypertension Phenotypes and Mortality Risk in the United States of America: A Data-Driven Cluster Analysis. 2025. *International Journal of Hypertension*. <https://doi.org/10.1155/ijhy/7193567>.
7. Piaopiao Li[#], **Jithin Sam Varghese**, Megha K. Shah, Rodolfo J. Galindo, Francisco J. Pasquel, Mohammed K. Ali, Hui Shao. Prescribing Trends of Glucagon-Like Peptide 1 Receptor Agonists for Type 2 Diabetes or Obesity. 2025. *JAMA Network Open*. <https://doi.org/10.1001/jamanetworkopen.2025.40890>
8. Jiali Guo[#], Zhongyu Li[#], Rodrigo M. Carillo-Larco, Daniel S. Hsia, Jessica L. Harding, Mohammed K. Ali, **Jithin Sam Varghese**. Data-driven subtypes of newly diagnosed youth-onset type 2 diabetes in the USA. 2025. *Journal of Diabetes and Its Complications*. <https://doi.org/10.1016/j.jdiacomp.2025.109207>
9. **Jithin Sam Varghese**, David R. Goldsmith, Robert O. Cotes, Vishnu Ravikumar, Mohammed K. Ali, Francisco J. Pasquel. Weight Change from Incretin-based Weight Loss Medications across Categories of Second-Generation Antipsychotics. 2025. *International Journal of Obesity*. <https://doi.org/10.1038/s41366-025-01885-4>.
10. Aamna Soniwala[#], Sophia Kim[#], Jill Welkley, Joyce C. Ho, **Jithin Sam Varghese**. A Large Language Model Analysis of Global Inequities in Precision Medicine Research on Diabetes. 2025. *Annals of Epidemiology*. <https://doi.org/10.1016/j.annepidem.2025.06.021>.

11. Thomas Hsiao[#], **Jithin Sam Varghese**[^], Lauren Fede, Cameron Gocke, Lance A. Waller, Mohammed K. Ali. Blood Pressure Measurements from Self-Service Health Kiosks in US Retail Stores, 2017 – 2024. 2025. *JAMA Cardiology*. <https://doi.org/10.1001/jamacardio.2025.2487>. [^]*Corresponding author*
12. Jessica L. Harding, Chengcheng Hu, **Jithin Sam Varghese**, Rodrigo M. Carillo-Larco, Mohammed K. Ali. Diabetes prevalence, awareness, and control in the United States, 2017-2023. *Diabetes & Metabolism*. <https://doi.org/10.1016/j.diabet.2025.101659>.
13. Samuel C.O. Opara, Caitlin A. Moran, Shivani A. Patel, Anandi N. Sheth, Sophia A. Hussen, **Jithin Sam Varghese**. Within-partner concordance of hypertension and overweight/obesity among sexual minority couples. 2025. *Annals of Epidemiology*. <https://doi.org/10.1016/j.annepidem.2025.05.004>.
14. Sally S. Ong, **Jithin Sam Varghese**. Commentary: Closing gaps in diabetic retinopathy screening in India using a deep learning system. 2025. *JAMA Network Open*. <https://doi.org/10.1001/jamanetworkopen.2025.0991>
Article: Brant 2025 *JAMA Network Open*
15. Zhongyu Li[#], Mohammed K. Ali, **Jithin Sam Varghese**. Commentary: Leveraging historical patient data to identify undiagnosed diabetes and prediabetes in routine care. 2025. *Diabetes Care*. <https://doi.org/10.2337/dci25-0011>
Article: Bowen 2025 *Diabetes Care*.
16. Namitha Mary Varghese[#], **Jithin Sam Varghese**. Depressive Symptoms Are Not Longitudinally Associated with Joint Glycemic, Blood Pressure, and Cholesterol Control Among Middle-Aged and Older Adults with Diabetes in USA. *Annals of Behavioral Medicine*. 2025. <https://doi.org/10.1093/abm/kaaf015>.

2024

17. Jiali Guo[#], Samuel C.O. Opara[#], Sophia A. Hussen, **Jithin Sam Varghese**. Prevalence, Monitoring, Treatment and Control of Type 2 Diabetes by Race and Sexual Orientation Among Males with HIV. *AIDS Patient Care and STDs*. 2024. <https://doi.org/10.1089/apc.2024.0193>.
18. **Jithin Sam Varghese**, Yi Guo, Mohammed K. Ali, William T. Donahoo, Rosette J. Chakkalakal. Body mass index changes and their association with SARS-CoV-2 infection: a real-world analysis. *International Journal of Obesity*. 2024. <https://doi.org/10.1038/s41366-024-01628-x>.
19. Vithanage Wickramasinghe, Shabina Ariff, Shane Norris, Ina Santos, Rebecca Kuriyan, Lukhanyo Nyati, **Jithin Sam Varghese**, Alexia Murphy-Alford, Nishani Lucas, Caroline Costa, Kiran Ahuja Sisitha Jayasinghe, Anura Kurpad, Andrew Hills. Anthropometric prediction models of body composition in 3 to 24-month old infants: a multicenter international study. *European Journal of Clinical Nutrition*. 2024. <https://doi.org/10.1038/s41430-024-01501-0>.
20. **Jithin Sam Varghese**, Mohammed K. Ali, Yi Guo, William T. Donahoo, Rosette J. Chakkalakal. Risk of new-onset diabetes before and during the COVID-19 pandemic: a real-world cohort study. *Journal of General Internal Medicine*. 2024. <https://doi.org/10.1007/s11606-024-09035-8>.
21. **Jithin Sam Varghese**, Vishnu Ravi Kumar, Jackson Bartelt[#], Andrew M Hendrick, Francisco J. Pasquel. The Role of Urban Residence, Race and Ethnicity, and Glycemic Control in Receiving Standards of Care and Progression to Vision Threatening Diabetic Retinopathy. *Diabetes Care*. 2024. <https://doi.org/10.2337/dci24-0024>.
22. Namitha Mary Varghese[#], **Jithin Sam Varghese**. Sex Differences in Association of Joint Glycemic, Blood Pressure and Lipid Control and Two-year Risk of Falls among Older Adults with Diabetes. *Journal of Diabetes and Its Complications*. 2024. <https://doi.org/10.1016/j.jdiacomp.2024.108815>.
23. **Jithin Sam Varghese**, Emily Peterson, Mohammed K. Ali, Nikhil Tandon. Advancing Diabetes Surveillance Ecosystems: A Case Study of India. *The Lancet Diabetes & Endocrinology*. 2024. [https://doi.org/10.1016/S2213-8587\(24\)00124-4](https://doi.org/10.1016/S2213-8587(24)00124-4).
24. **Jithin Sam Varghese**, Arpita Ghosh, Aryeh D. Stein, KM Venkat Narayan, Shivani A. Patel. The association of hypertension among married Indian couples: a nationally representative study. *Scientific Reports*. 2024. <https://doi.org/10.1038/s41598-024-61169-1>

25. Rodrigo M Carillo Larco, Wilmer Cristobal Guzman-Vilca, **Jithin Sam Varghese**, Francisco J Pasquel, Roberta Caixeta, Carmen Antini, Antonio Bernabe-Ortiz. Compliance with eye and foot preventive care in people with self-reported diabetes in Latin America and the Caribbean: Pooled, cross-sectional analysis of nine national surveys. *Primary Care Diabetes*. 2024. <https://doi.org/10.1016/j.pcd.2024.03.001>

2023

26. **Jithin Sam Varghese***, Nikhil Srinivasapura Venkateshmurthy*, Nikkil Sudharsanan, Jeemon Panniyamakal, Shivani A. Patel, Harsha Thirumurthy, Ambuj Roy, Nikhil Tandon, K.M. Venkat Narayan, Dorairaj Prabhakaran, Mohammed K. Ali. Hypertension diagnosis, treatment, and control in India. *JAMA Network Open*. 2023. <https://doi.org/10.1001/jamanetworkopen.2023.39098>. * Equal contributions. Click [here](#) for interactive dashboard that displays state- and district-level care cascades.
27. **Jithin Sam Varghese***, Peiyi Lu*, Daesung Choi, Lindsay Kobayashi, Mohammed K. Ali, Shivani Patel, Chihua Li. Spousal concordance of hypertension among middle-aged and older heterosexual couples around the world: evidence from studies of aging in the USA, England, China, and India. *Journal of the American Heart Association*. 2023. <https://doi.org/10.1161/JAHA.123.030765>. * Equal contributions. Altmetric Score > 1000 (Top 1% of articles by public attention). Featured by [American Heart Association](#), [National Heart, Lung and Blood Institute](#), [Today show](#), [CNN.com](#), [Fox 32 Chicago](#), [Detroit Local 4](#) etc.
28. **Jithin Sam Varghese**, Rodrigo M. Carillo Larco, K.M. Venkat Narayan. *Correspondence*: Achieving replicable subphenotypes of adult-onset diabetes. *The Lancet Diabetes & Endocrinology*. [https://doi.org/10.1016/S2213-8587\(23\)00195-X](https://doi.org/10.1016/S2213-8587(23)00195-X)
Article: Stefan and Schulze 2023 *The Lancet Diabetes & Endocrinology*
29. **Jithin Sam Varghese**, Ranjit Mohan Anjana, Pascal Geldsetzer, Nikkil Sudharsanan, Jennifer Manne-Goehler, Harsha Thirumurthy, Soura Bhattacharyya, K.M. Venkat Narayan, Viswanathan Mohan, Nikhil Tandon, Mohammed K. Ali. National estimates of the adult diabetes care continuum in India, 2019-2021. *JAMA Internal Medicine*. 2023. <https://doi.org/10.1001/jamainternmed.2023.3070>
Click [here](#) for interactive dashboard that displays state- and district-level care cascades.
30. Anna Paul, Nalini Sarah Newbigging, Audrin Lenin, S Mahasampath Gowri, **Jithin Sam Varghese**, Arun Jose Nell, Kundavaram Paul Prabhakar Abhilash, Ramya Iyadurai, George M Varghese; Role of clinical parameters and neutrophil gelatinase-associated lipocalin (NGAL) as predictors of bacterial sepsis in patients presenting to the Emergency Department with fever. *Indian J Crit Care Med*. Mar 2023;27(3):176-182. <https://doi.org/10.5005/jp-journals-10071-24419>
31. K.M. Venkat Narayan, **Jithin Sam Varghese**, Yara S. Beyh, Soura Bhattacharyya, Shweta Khandelwal, Gokul S. Krishnan, Karen R. Siegel, Tinku Thomas, Anura V. Kurpad. A strategic framework for defeating diabetes in India: A 21st century agenda. *Journal of Indian Institute of Science*. 2023; <https://doi.org/10.1007/s41745-022-00354-5>

2022

32. **Jithin Sam Varghese**, Rachel Waford Hall, Linda S Adair, Shivani A Patel, Reynaldo Martorell, Delia Belleza, Maria F Kroker-Lobos, Nanette R Lee, Lukhanyo Nyati, Manuel Ramirez-Zea, Linda M Richter, Aryeh D. Stein. Subjective social status is associated with happiness but not weight status or psychological distress: an analysis of three prospective birth cohorts from low- and middle-income countries. *Wellbeing, Space & Society*. 2022. 3: 100115; <https://doi.org/10.1016/j.wss.2022.100115>.
33. **Jithin Sam Varghese**, Clive Osmond, Aryeh D. Stein. Conditional wealth to estimate association of wealth mobility with health and human capital in low- and middle-income country cohorts. *BMC Med Res Methodol*. 2022;22(1); <https://doi.org/10.1186/s12874-022-01757-9>
34. **Jithin Sam Varghese**, KM Venkat Narayan. Ethnic differences between Asians and non-Asians in clustering-based classification of adult-onset diabetes mellitus: A systematic narrative review. *Prim Care Diabetes*. Sep 22 2022; <https://doi.org/10.1016/j.pcd.2022.09.007>.
Click [here](#) for interactive dashboard that displays between study and between ethnicity variability in clusters.
35. **Jithin Sam Varghese**, Aashish Gupta, Rukshan Mehta, Aryeh D. Stein, Shivani A. Patel. Changes in child undernutrition and overweight in India from 2006 to 2021: an ecological analysis of 36 states. *Global Health Science & Practice*. September 2022; <https://doi.org/10.9745/GHSP-D-21-00569>

36. Monica Mazariegos, **Jithin Sam Varghese**, Maria F Kroker-Lobos, Ann M DiGirolamo, Manuel Ramirez-Zea, Usha Ramakrishnan, Aryeh D. Stein. Age at childbirth and change in BMI across the life-course: evidence from the INCAP Longitudinal Study. *BMC Pregnancy Childbirth*. Feb 24 2022;22(1):151; <https://doi.org/10.1186/s12884-022-04485-6>
37. Ann DiGirolamo, **Jithin Sam Varghese**, Maria F Kroker Lobos, Monica Mazariegos, Manuel Ramirez-Zea, Reynaldo Martorell, Aryeh D. Stein. Protein-energy Supplementation in Early-life Decreases the Odds of Mental Distress in Later Adulthood in Guatemala. *J Nutr*. Apr 1 2022;152(4):1159-1167; <https://doi.org/10.1093/jn/nxac005>
Editor's choice article for April 2022
38. Cesar G Victora, Fernando P. Hartwig, Luis P. Vdaletti, Reynaldo Martorell, Clive Osmond, Linda Richter, Aryeh D Stein, Aluisio JD Barros, Linda Adair, Fernando C Barros, Santosh K Bhargava, Bernardo L Horta, Maria F. Kroker-Lobos, Nanette R Lee, Ana Maria B Menezes, Joseph Murray, Shane Norris, Harshpal S Sachdev, Alan Stein, **Jithin Sam Varghese**, Zulfiqar Bhutta, Robert E Black. Effects of early-life poverty on health and human capital in children and adolescents: analyses of national surveys and birth cohort studies in LMICs. *The Lancet*. 2022;399(10336); [https://doi.org/10.1016/S0140-6736\(21\)02716-1](https://doi.org/10.1016/S0140-6736(21)02716-1)

2021

39. **Jithin Sam Varghese**, Linda S. Adair, Shivani A. Patel, Sonny Agustin Bechayda, Santosh K. Bhargava, Delia B. Carba, Bernardo L. Horta, Natalia P. Lima, Reynaldo Martorell, Ana M.B. Menezes, Shane A. Norris, Linda M. Richter, Manuel Ramirez-Zea, Harshpal Singh Sachdev, Fernando C. Wehrmeister, Aryeh D. Stein, for the COHORTS group. Changes in asset-based wealth across the life course in birth cohorts from five low- and middle-income countries. *SSM Popul Health*. Dec 2021;16:100976; <https://doi.org/10.1016/j.ssmph.2021.100976>
40. Jeswin Baby, **Jithin Sam Varghese**, Shruthi Cyriac, KM Venkat Narayan, Anura V Kurpad, Tinku Thomas, Shivani A. Patel. Contribution of economic and nutritional context to overweight/obesity dynamics in Indian women from 1998 to 2016: a multilevel analysis of national survey data. *BMJ Open*. Dec 9 2021;11(12):e050598; <https://doi.org/10.1136/bmjopen-2021-050598>
41. **Jithin Sam Varghese**, Shivani A. Patel, Reynaldo Martorell, Manuel Ramirez-Zea, Aryeh D. Stein; Relative and absolute wealth mobility since birth in relation to health and human capital in middle adulthood: An analysis of a Guatemalan birth cohort. *SSM Popul Health*. Sep 2021;15:100852; <https://doi.org/10.1016/j.ssmph.2021.100852>
42. **Jithin Sam Varghese**, Rachel Waford Hall, Ann DiGirolamo, Reynaldo Martorell, Manuel Ramirez-Zea, Aryeh D. Stein. Socioeconomic position over the life-course and subjective social status in relation to nutritional status and mental health among Guatemalan adults. *SSM Popul Health*. Sep 2021;15:100880; <https://doi.org/10.1016/j.ssmph.2021.100880>
43. **Jithin Sam Varghese**, John Maluccio, Solveig A. Cunningham, Manuel Ramirez-Zea, Aryeh D. Stein. Development of a temporally harmonized asset index: evidence from across 50 years of follow up of a birth cohort in Guatemala. *BMC Med Res Methodol*. Apr 26 2021;21(1):85; <https://doi.org/10.1186/s12874-021-01263-4>
44. **Jithin Sam Varghese**, Joyce C. Ho, Ranjit Mohan Anjana, Shivani A. Patel, S Jebarani, Viswanathan Baskar, KM Venkat Narayan, V. Mohan. Profiles of Intraday Glucose in Type 2 Diabetes and Their Association with Complications: An Analysis of Continuous Glucose Monitoring Data. *Diabetes Technol Ther*. Aug 2021;23(8):555-564; <https://doi.org/10.1089/dia.2020.0672>

2019

45. **Jithin Sam Varghese**, Aryeh D. Stein. Malnutrition among women and children in India: limited evidence of clustering of underweight, anemia, overweight, and stunting within individuals and households at both state and district levels. *Am J Clin Nutr*. Apr 1 2019;109(4):1207-1215; <https://doi.org/10.1093/ajcn/nqy374>
46. Adam Hanif, Rachel Shah, Jiong Yan, **Jithin Sam Varghese**, Shivani A. Patel, Blaine E. Cribbs, Ghazala O'Keefe, Andrew M. Hendrick, Jessica G. Shantha, Baker Hubbard III, Purnima S. Patel, Prethy Rao, Steven Yeh, Nieraj Jain. F. Oct 2019;126(10):1464-1466; <https://doi.org/10.1016/j.opthta.2019.04.024>
47. **Jithin Sam Varghese**, Sumathi Swaminathan, Anura V Kurpad, Tinku Thomas. Demand and supply factors of iron-folic acid supplementation and its association with anaemia in North Indian pregnant women. *PLoS One*. 2019;14(1):e0210634.; <https://doi.org/10.1371/journal.pone.0210634>

48. **Jithin Sam Varghese**, Tinku Thomas, Anura V Kurpad. Evaluation of haemoglobin cut-off for mild anaemia in Asians - analysis of multiple rounds of two national nutrition surveys. *Indian J Med Res.* Oct 2019;150(4):385-389; https://doi.org/10.4103/ijmr.IJMR_334_18
49. Sumathi Swaminathan, Santu Ghosh, **Jithin Sam Varghese**, Harshpal S Sachdev, Anura V Kurpad, Tinku Thomas. Dietary Iron Intake and Anemia Are Weakly Associated, Limiting Effective Iron Fortification Strategies in India. *J Nutr.* May 1 2019;149(5):831-839; <https://doi.org/10.1093/jn/nxz009>

2018

50. Sanjukta Rao, Tinku Thomas, Sumathi Swaminathan, **Jithin Sam Varghese**, Anura V Kurpad, Ankita Mondal, Bharati Kulkarni, Harshpal Singh Sachdev, Umesh Kapil. Current Practice of Iron doses for Treatment of Iron Deficiency Anaemia – A Review. *Indian J Commun Health.* Apr 25 2018; 30 (1 Supp): 31-38; <https://doi.org/10.47203/IJCH.2018.v30i01SUPP.005>
51. Ankita Mondal, Tinku Thomas, Sumathi Swaminathan, Sanjukta Rao, **Jithin Sam Varghese**, Bharati Kulkarni, Harshpal Singh Sachdev, Umesh Kapil, Anura V Kurpad. Guidelines for Iron supplementation for Prophylaxis of Anaemia in a National Programme – A Review. *Indian J Commun Health.* Apr 2 2018; 30 (1 Supp): 9-30; <https://doi.org/10.47203/IJCH.2018.v30i01SUPP.004>

GRANTS & FUNDING

Centers for Disease Control & Prevention and National Institutes of Health (1U18DP006922-01) 09/2025 – 09/2029
Establishing a Nationwide Diabetes Surveillance System for Youth and Young Adults: Incidence, Prevalence, Risk Factors, Disparities, and Social Determinants of Health (MPI: Ali, Shao; Role: Co-Investigator)

Winship Cancer Institute (Winship Invest\$ Pilot Award) 08/2025 – 07/2026
Type 2 Diabetes Subtypes for Precision medicine in Electronic heAlth Records – Cancer (T2D-SPEAR Cancer)
Study: This project uses data from Epic Cosmos Research Platform and All of Us Research Hub to study the shared pathophysiology of type 2 diabetes and cancer. (MPI: Varghese, Hofmeister)

National Institutes of Health (P30DK111024 Pilot Award) 07/2024 – 06/2025
Type 2 Diabetes Management in Patients Prescribed Second-Generation Antipsychotics: A Real-World Cohort
Study: This project uses data from Epic Cosmos Research Platform to study achievement of glycemic, blood pressure and lipid control, and monitoring of complications among newly diagnosed adults with type 2 diabetes prescribed second generation antipsychotics. (PI: Varghese)

National Institutes of Health (3R01DK120814-05S1) 08/2022 – 07/2023
Diabetes Risk after COVID-19 in Racial and Ethnic Minority Communities: Potential association between COVID-19 infection and new-onset T2DM using causal inference methods for electronic health records. (PI: Chakkalakal; Role: Co-Investigator)

Department of Science and Technology, India 10/2017 – 08/2018
EpidaViz: Developing obesity, diabetes and hypertension centered data products from private and public data sources. (PI: Mony; Role: Co-Investigator)

TRAINEES

Doctor of Philosophy

Zhongyu Li (NHS; <i>Rotation, Dissertation Chair</i>)	SP 2024 –
Ruwanthi Ekanayake (GHD; <i>Rotation</i>)	SP 2024 –
Felix Teufel (GHD, <i>Rotation</i>)	SU 2024 – SP 2025
Thomas Hsiao (Biostatistics; <i>Graduate Research Assistant</i>)	SP 2024 – SP 2025
Erica Kocher (NHS; <i>Graduate Research Assistant, Rotation</i>)	SP 2024 – SP 2025
Tigest Mekonnen (GHD, <i>Committee Member</i>)	FA 2024 –
Kamini Doraivelu (GHD, <i>Committee Member</i>)	SP 2025 –

Shoaib Dewan (GHD, <i>Committee Member</i>)	FA 2025 –
Jack Cagney (GHD, <i>Committee Member</i>)	FA 2025 –
Master of Public Health	
Melissa Irek (HPM)	FA 2024-SP 2025
Srividya Vempati (EPI)	SP 2023
Adithi Shyam (GLEPI)	SP 2024
Bachelor of Arts/Bachelor of Science	
Aamna Soniwala (Human Health; <i>HLTH 399R, HLTH 499R, Thesis Chair</i>)	FA 2022 – SP 2025
Sophia Kim (Biology; <i>BIOL 499R</i>)	SP 2023 – SP 2025
Krishna Om Sanaka (Biology and Anthropology; <i>ANT 397</i>)	SP 2024 – SP 2025
Caroline Chizak (Human Health)	SP 2025 –
Daniel Hua (Biology)	SP 2025 –
Theo Hung (Biology)	SP 2025 –

TEACHING EXPERIENCE

Instructor , Rollins School of Public Health, Emory University <i>GH 532 – Quantitative Data Analysis</i>	Fall 2025
Instructor , Department of Computer Science, Emory University <i>CS 597R – Directed Study</i>	Fall 2025
Teaching Assistant , Rollins School of Public Health, Emory University <i>GH 523 – Quantitative Data Analysis</i>	Fall 2019

PROFESSIONAL ACTIVITIES & MEMBERSHIP

Editorial Board Member for *Journal of Diabetes Science & Technology*

Reviewer for *American Journal of Clinical Nutrition, American Journal of Hypertension, Annals of Epidemiology, Annals of Internal Medicine, BMC Public Health, Diabetes & Metabolism, Diabetes Care, Diabetes Technology & Therapeutics, Diabetic Medicine, Frontiers in Public Health, International Journal of Epidemiology, Journal of DoHAD, Journal of General Internal Medicine, Journal of Nutrition, Nature Communications, PLoS Global Health, PLoS ONE, Public Health Nutrition, SSM Population Health.*