



Rishi Mediratta

Clinical Associate Professor, Pediatrics

CLINICAL OFFICE (PRIMARY)

- **Center for Academic Medicine, General Pediatrics**

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Bio

BIO

Dr. Rishi Mediratta, MD, MSc, MA, is a Clinical Associate Professor in Pediatrics, a Pediatric Hospitalist at Lucile Packard Children's Hospital, and a Faculty Fellow at the Stanford Center for Innovation in Global Health (CIGH). He graduated from Johns Hopkins University with a BA in Public Health and went to medical school at Stanford University. Dr. Mediratta has conducted community-based, pediatrics, and public health research in Ethiopia since 2005. He founded the Ethiopian Orphan Health Foundation to provide community-based health care and education to orphans in Ethiopia. As a British Marshall Scholar, he received an MA in Medical Anthropology from the School of Oriental and African Studies and an MSc in Public Health at the London School of Hygiene and Tropical Medicine. As a pediatrics resident at Stanford, he became passionate about decreasing neonatal mortality through hospital- and community-based education programs. As faculty, he supervises trainees and cares for hospitalized children and integrates his field experience and interdisciplinary background to create newborn and child health programs. He has worked with policymakers at the World Bank, the World Health Organization, UNICEF, and Save the Children. At Stanford University, he teaches a course to undergraduate and graduate students from all disciplines about the medical and societal implications of the COVID-19 pandemic.

CLINICAL FOCUS

- Pediatrics

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Pediatrics
- Member, Maternal & Child Health Research Institute (MCHRI)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Faculty Fellow, Center for Innovation in Global Health (CIGH) (2021 - present)

PROFESSIONAL EDUCATION

- Board Certification, Pediatrics, American Board of Pediatrics (2018)
- Residency, Stanford University School of Medicine, Pediatrics (2018)
- MD, Stanford University School of Medicine (2015)

- MSc, London School of Hygiene and Tropical Medicine , Public Health (2011)
- MA, School of Oriental and African Studies , Medical Anthropology (2010)
- BA, Johns Hopkins University , Public Health Studies (2008)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

I have developed a new promising neonatal mortality prediction score at the University of Gondar Neonatal Intensive Care Unit (NICU) in Gondar, Ethiopia. The score predicts approximately 84% of neonatal deaths in the NICU using clinical variables. I have a dataset over 800 NICU admissions in Gondar. I am recruiting scholars who are interested in conducting clinical and epidemiological research to validate, refine, and implement the mortality score to reduce neonatal mortality in Ethiopia. I can mentor scholars to conduct research in Ethiopia, facilitate in-country supervision at the University of Gondar, and facilitate statistical support with Stanford's Department of Statistics.

CLINICAL TRIALS

- Comparison of Virtual Training to In-Person Training of Helping Babies Breathe in Ethiopia, Not Recruiting

Teaching

COURSES

2023-24

- Past, Present, and Future: Lessons from COVID-19: PEDS 220 (Aut, Win, Spr)

2022-23

- Covid-19 Elective: PEDS 220 (Aut, Win, Spr)

2021-22

- Covid-19 Elective: PEDS 220 (Aut, Win, Spr)

2020-21

- Covid-19 Elective: PEDS 220 (Aut, Win, Spr)

STANFORD ADVISEES

Med Scholar Project Advisor

Max Clary

Publications

PUBLICATIONS

- **Global age-sex-specific mortality, life expectancy, and population estimates in 204 countries and territories and 811 subnational locations, 1950-2021, and the impact of the COVID-19 pandemic: a comprehensive demographic analysis for the Global Burden of Disease Study 2021.** *Lancet (London, England)* 2024
- **Implementing adaptive e-learning for newborn care in Tanzania: an observational study of provider engagement and knowledge gains.** *BMJ open* Meaney, P. A., Hokororo, A., Ndosi, H., Dahlen, A., Jacob, T., Mwanga, J. R., Kalabamu, F. S., Joyce, C. L., Mediratta, R., Rozenfeld, B., Berg, M., Smith, Z. H., Chami, et al 2024; 14 (2): e077834
- **Research Methods: Diagnostic Test Characteristics.** *Hospital pediatrics* Mediratta, R. P., Newman, T. B., Wang, M. E. 2023

- **Changes in preterm birth and stillbirth during COVID-19 lockdowns in 26 countries.** *Nature human behaviour*
Calvert, C., Brockway, M. M., Zoega, H., Miller, J. E., Been, J. V., Amegah, A. K., Racine-Poon, A., Oskoui, S. E., Abok, I. I., Aghaeepour, N., Akwaowo, C. D., Alshaikh, B. N., Ayede, et al
2023
- **Applying Kern's Six Steps to the Development of a Community-Engaged, Just-in-Time, Interdisciplinary COVID-19 Curriculum.** *Journal of medical education and curricular development*
Scala, J. J., Braun, N. J., Shamardani, K., Rashes, E. R., Wang, W., Mediratta, R. P.
2022; 9: 23821205221096370
- **Overnight admissions to a neonatal intensive care unit in Ethiopia are not associated with increased mortality.** *PloS one*
Mediratta, R. P., Rajamani, M., Ayalew, M., Shehibo, A., Tazebew, A., Teklu, A.
2022; 17 (3): e0264926
- **The Burden of Critical Illness in Hospitalized Children in Low- and Middle-Income Countries: Protocol for a Systematic Review and Meta-Analysis.** *Frontiers in pediatrics*
Kortz, T. B., Nielsen, K. R., Mediratta, R. P., Reeves, H., O'Brien, N. F., Lee, J. H., Attebery, J. E., Bhutta, E. G., Biewen, C., Coronado Munoz, A., deAlmeida, M. L., Fonseca, Y., Hooli, et al
2022; 10: 756643
- **Challenges and Opportunities in Deploying COVID-19 Cough AI Systems.** *Journal of voice : official journal of the Voice Foundation*
Khanzada, A., Hegde, S., Sreeram, S., Bower, G., Wang, W., Mediratta, R. P., Meister, K. D., Rameau, A.
2021
- **Derivation and validation of a prognostic score for neonatal mortality in Ethiopia: a case-control study.** *BMC pediatrics*
Mediratta, R. P., Amare, A. T., Behl, R., Efron, B., Narasimhan, B., Teklu, A., Shehibo, A., Ayalew, M., Kache, S.
2020; 20 (1): 238
- **Liver Failure and Rash in a 6-week-old Girl** *PEDIATRICS IN REVIEW*
Mediratta, R., Schwenk, H., Rao, A., Chitkara, R.
2018; 39 (6): 315–U22
- **Galvanizing medical students in the administration of influenza vaccines: the Stanford Flu Crew.** *Advances in medical education and practice*
Rizal, R. E., Mediratta, R. P., Xie, J., Kambhampati, S., Hills-Evans, K., Montacute, T., Zhang, M., Zaw, C., He, J., Sanchez, M., Pischel, L.
2015; 6: 471-477
- **Risk Factors and Case Management of Acute Diarrhoea in North Gondar Zone, Ethiopia** *JOURNAL OF HEALTH POPULATION AND NUTRITION*
Mediratta, R. P., Feleke, A., Moulton, L. H., Yifru, S., Sack, R. B.
2010; 28 (3): 253-263