MARIA AMBROSIO, MD, MPH

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EDUCATION

D.Phil. Candidate: University of Oxford, United Kingdom (2022-Present)

- I use mathematical linear modelling such as structural equation modelling and bootstrapping to investigate the human and socio-economic factors that facilitate the implementation of digital health interventions.
- Lead author in one paper published in the Journal of Medical Internet Research, a high impact journal in the health informatics field

Master of Public Health - GPA 4.0/4.0: Georgia State University, United States (2019-2021)

- Conducted a scoping review to investigate the institutional and policy level factors that could challenge and facilitate the implementation of unified electronic medical health records in low- and middle-income countries.

Belgorod State University, Russia: Doctor of Medicine in General Medicine (2017-2011)

Awards

- Dean's List, 2021
- Winner of the Georgia State University 3 Minute Thesis Competition, 2021

EMPLOYMENT

University of Oxford, UK: Teaching Fellow Dept of Social Policy & Intervention: Quantitative Research Methods and Evaluation (2024-Present)

- Development of resources for teaching statistical methods (e.g., meta-analysis, multilevel, and difference-in-difference models), data visualization, and reports in the programming language R.
- Weekly delivery of workshops for approximately 40 MSc and MPhil students.
- Marking of approximately 15 weekly assignments and provision of support through weekly office hours.

University of Oxford, UK: Senior Research Assistant, Global Parenting Initiative (2022-2023)

- Operational management of a team of four people responsible for implementing and evaluating a chatbot-led public health program in two randomized controlled trials involving 24,000 participants in South Africa (£20M Lego Foundation Fund).
- Contributed to the planning, budgeting and implementation of two projects in collaboration with partners from international organizations such as the Word Health Organization, UNICEF and mothers2mothers.
- Led the development of two article publications and policy briefs (i.e. for South Africa and China) to inform government and non-government institutions about best practices in child protection and health and contributed to statistical analysis plans, grant proposals and donor reports.
- Communicated research plans and findings using epidemiological terms in webinars and international conferences such as the 2024 International Society for the Prevention of Child Abuse and Neglect congress.
- Provided professional development and support by training partners across the global south (Malaysia, Tanzania, Kenya, South Africa, Philippines and Thailand) on data cleaning, visualisation and statistical analysis in R software language.

Arthritis Foundation, US: Public Health Specialist Intern (2021-2022)

- Led the development of a database aimed to coordinate the recruitment of stakeholders and led the coordination of two volunteers in the Georgia Office.
- Lead data analysis of financial statements of 2 fiscal years and provided recommendations for more optimal resource allocation.

Georgia Department of Public Health, US: Public Health Specialist: Coordination of the COVID-19 pandemic response efforts (2020-2021)
- Contributed Contributed to weekly meetings aimed at planning the COVID-19 pandemic response efforts in the state of Georgia.
- Conducted daily over-the-phone qualitative interviews with an average of 15 COVID-19-diagnosed patients.
- Worked collaboratively with community partners to effectively respond to the needs of every hospital-discharged patient and their families

Consulmed Clinic, Angola: Physician (2018-2018)
- Conducted patient examination diagnosis and established treatment for an average of 20 patients a day. Examined and interpreted laboratory tests.

RELEVANT EXPERIENCE (CONSULTANCIES OR RESEARCH)
- The Global Parenting Initiative in the Global South (The Lego Foundation Fund): Co-Investigator (2022-Present)
- Children's Oral Health and Nutrition in Angola (Government of the Province of Zaire and Angola LNG Fund): Co-Investigator (2019-2024)

AREAS OF EXPERTISE SKILLS
- Daily use of Microsoft office, Statistical computing with R, SAS and Python programming language and management tools such as Trello and Google Workspace
- Fluent speaking and writing in Spanish, Russian and Portuguese

KEY PEER-REVIEWED PUBLICATIONS

Ambrosio MDG, Lachman JM, Zinzer P., … Melendez-Torres G. (2024). A factorial randomized controlled trial to optimize user engagement with a chatbot-led parenting intervention: Protocol for the ParentText optimisation trial. JMIR Res Protoc. 13: p. e52145. doi: 10.2196/52145

Klapow M, Zinser P, Lachman J, Facciola C, Han Q, **Ambrosio M**, . . . Stern D. (2023). Promoting family well-being at scale: Optimising and re-designing a digital parenting programme for reducing violence against children in lmics using the 6squid framework. Population Medicine, 5(Supplement). doi: https://doi.org/10.18332/popmed/164209

Ambrosio MDG, Vyas S, Stromin J., … Lachman JM. [Manuscript in preparation for submission on 31/01/2025]. Associations between behavioural determinants and intention to use a chatbot-led parenting intervention by caregivers of adolescent girls in Mpumalanga, South Africa. JMIR.

RELEVANT PHILANTHROPIC WORK
- Active volunteer with the Arts, Crafts and Dinosaurs children's holiday club funded by the Oxfordshire County Council. **(2024-Present**)
- Co-founder of the Kuzola project, a community-based program that for more than 10 years involved weekly visits of an average of 20 volunteers to the government-run orphanage Lar Kuzola in Angola. The project aimed to create peer support for approximately 300 orphan children and adolescents. **(2012-2020**)