

Thresia Sebastian, MD, MPH

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Pediatrician with extensive experience in clinical care and public health, including urgent care, pediatric HIV in resource limited settings, project management, data analysis, guideline/curriculum development, qualitative and quantitative research, clinical mentoring, and training facilitation. Board certified in pediatrics; active medical license (Colorado).

QUALIFICATIONS

Pediatrics residency training and board certification: Children's National Medical Center, Washington, District of Columbia, 2003-2006. Diplomate, American Board of Pediatrics, 2006.

Medical Doctor: Albert Einstein College of Medicine, Bronx, New York, 2003. Active medical license, State of Colorado.

Masters of Public Health: Columbia University, New York City, New York, 2002.

Bachelor of Science: University of California, San Diego, California, 1997.

APPOINTMENTS

Assistant Professor, Denver Health, University of Colorado School of Medicine, Denver, Colorado, 2016-Present.

Assistant Professor, Department of Pediatrics, Baylor College of Medicine, Houston, Texas, 2006-2011.

EMPLOYMENT HISTORY

University of Colorado School of Medicine, Denver Health Peña Southwest Urgent Care Center, Denver, CO

Assistant Professor/ Pediatrician 2016- current

Staff pediatrician providing clinical care to patients from 0-25 years of age. Supervise and teach medical students and residents in pediatric urgent care topics. Educate staff through case presentations and overviews of common pediatric topics at monthly meetings. Routinely perform data analysis of patient transfers to institutions of higher levels of care. Principal investigator for research studies on acute infectious conjunctivitis and pediatric COVID-19 in Denver County. Coordinated with health care staff to create protocols for the management of pediatric illness in the urgent care setting.

The International Center for AIDS Care and Treatment Programs at Columbia University, Maputo, Mozambique

Pediatric Technical Advisor 2013-2015

Provided technical and clinical guidance to provincial and district teams supporting more than 200 facilities in pediatric health, including HIV, TB, and nutrition. Key contributor to Ministry of Health (MOH) training curricula and served as a course facilitator for pediatric HIV, TB, and nutrition. Was an active member of the national MOH technical working groups in pediatric HIV, TB, and nutrition as well as being a co-author of the national HIV guidelines. Ensured quality of service delivery support and achievement of targets. Developed and implemented systems for programmatic data analysis to drive evidence-based solutions. Developed and conducted operational research projects on family community adherence groups, early infant diagnosis of HIV, and loss to follow up of mothers and children.

Baylor College of Medicine International Pediatric AIDS Initiative (BIPAI) at Texas Children's Hospital / Elizabeth Glaser Pediatric AIDS Foundation (EGPAF), Maputo, Mozambique.

Staff Pediatrician/ Assistant Professor 2007-2011

Developed the first pediatric HIV care and treatment program at a general hospital in Maputo province with an HIV prevalence rate of 20%. Ensured rapid scale up of clinical services within three months of operation. Provided direct HIV specialty care to families. Managed a team of 15 Mozambican health care workers. Developed protocols and algorithms related to pediatric/adult HIV and TB, coordinated a community-based program and facilitated formal trainings of health care workers and lay personnel. Launched a unique two week on-site clinical mentorship attachment program for health care professionals throughout the country with 25 participants completing the program. Launched the first provincial pediatric HIV support group, with successful participation of 80 clients. Developed and conducted operational research projects on mortality, clinical characteristics of a pediatric cohort, defaulter tracking, and ART eligibility. Provided technical support for three other health facilities in the province in pediatric/family health. Collaborated with district, provincial health authorities; final reviewer of national MOH guideline for implementation of pediatric support groups.

Baylor College of Medicine International Pediatric AIDS Initiative at Texas Children's Hospital, Pediatric AIDS Corps, Mbabane, Swaziland.

Staff Pediatrician/ Assistant Professor 2006-2007

Part of the first Pediatric AIDS Corps cohort of pediatricians committed to provide HIV specialty care and treatment to children and their families. Worked in collaboration with national health care professionals and the MOH to improve country-wide pediatric HIV care and treatment and to scale up prevention of mother to child transmission of HIV services in the country with the highest HIV prevalence in the world. Helped design and implement the pediatric antiretroviral treatment program at six public clinics. Developed the lay personnel curriculum for pediatric HIV; facilitated formal training activities for health professionals and civil society; provided lectures and on-site mentorship to build local capacity. Conducted an operational research study on pediatric ART eligibility which helped guide the center's pediatric HIV response, including more effective defaulter tracking and rapid initiation of treatment among HIV-TB co-infected children.

CONSULTING HISTORY

National Alliance of State and Territorial AIDS Directors, Washington, DC. 2018.

Provided technical support to the design and development of two modules for the Applied Public Health Program Management Training curriculum for the Mozambique program. Prepared modules included curriculum on program planning and coordination and monitoring and evaluation, specific to the Mozambique context. Participated in the curriculum review meeting.

Baylor College of Medicine International Pediatric AIDS Initiative (BIPAI) at Texas Children's Hospital, Children's Foundation- Malawi. 2016.

Created and updated the pediatric HIV curriculum for health care workers for the BIPAI pediatric HIV care and treatment program in Malawi. Responsibilities included development of a basic and advanced lecture series in a variety of pediatric topics including HIV, TB and nutrition, updating clinical content and epidemiology, use of a standardized approach to harmonize lectures and incorporation of recommendations from key stakeholders.

The International Center for AIDS Care and Treatment Programs (ICAP) at Columbia University, New York. 2015.

Developed a report of best practices of pediatric HIV testing including a comprehensive literature review of pediatric provider initiated testing and counseling, review of ICAP aggregate data as well as lessons learnt from ICAP program implementation in multiple ICAP supported countries and an update of a pediatric HIV testing toolkit for the Tanzania Ministry of Health.

International Training and Education Center for Health (ITECH), Mozambique. 2013.

As Principal Curriculum Specialist, developed and revised 25 general pediatric lectures for the clinical officer curriculum in collaboration with the Mozambique MOH. Responsibilities included development of key lectures, review of clinical content, implementation of a standardized approach to harmonize lectures and incorporation of relevant recommendations given by critical contributors and lecture participants.

TEACHING AND CURRICULUM DEVELOPMENT

Lecturer at the Global Health and Disasters Course at University of Colorado Anschutz Medical Campus, "HIV: Elimination, Cure and Treatment," October 2016.

Small group exercise facilitator- 2 groups: HIV and TB, Global Health and Disasters Course at University of Colorado Anschutz Medical Campus, October 2015 and October 2016.

Co-author in writing committee, "Guia de tratamento antiretroviral e infecções oportunistas no adulto, adolescente, grávida e criança." Ministry of Health National HIV Guideline. Mozambique. 2014.

Final reviewer, "Guião sobre como iniciar e implementar os grupos de apoio das crianças." Ministry of Health National Guideline. Mozambique. 2010.

VOLUNTEER EXPERIENCE AND PROFESSIONAL SERVICE

Medical Student mentor for Denver Health. 2016.

Medical Relief, NYC Medics. Gahri Habibullah, Pakistan. Earthquake response, 2006.

Operation Assist, Children's National Medical Center/ Children's Health Project. Biloxi, MS. Hurricane response, 2005.

Einstein Community Health Outreach Free Clinic. Bronx, NY. 1999-2003.

HONORS AND AWARDS

Denver Health and Hospital Authority, Clinic Award for Denver Health Ambulatory Care Services, 2017.

Albert Einstein College of Medicine, Isadore Rossman Memorial Award for Commitment to Community Service, 2003.

Milton B. Rosenbluth Foundation, International Health Fellowship, 1999 (Guatemala), 2002 (Sri Lanka).

Columbia University, Macy Scholar recipient, 2001.

SELECTED PRESENTATIONS AND PUBLICATIONS

Teasdale C, Yang J, Thome B, Yersin I, **Sebastian T**, Brusamento S, Lahuerta M, Jobarteh K, Abrams E. "Outcomes Among Children Enrolled in HIV Care in Mozambique 2009–2013." *The Pediatric Infectious Disease Journal*, Volume 35, Number 10, October 2016

Sebastian T, Brusamento S, DiMattei P, DaSilva Z, Prieto M, Arpadi S, Teasdale C, Abrams E. "The impact of a new diagnostic algorithm on identification of pediatric Mycobacterium TB cases in Mozambique." 7th International Workshop on HIV Pediatrics. July 2015. Vancouver, BC. *Abstract presentation*

Teasdale C, Fayorsey R, Melaku Z, Chege D, **Sebastian T**, Casalini C, Abrams, E. "Immune recovery at 5 years on ART in HIV+ children from four African countries." CROI. February 2015. Seattle, WA. *Poster presentation*

Sebastian T, Brusamento S, Ahoua L, Aly D, Arpadi S, Teasdale C, Tsiouris F, Abrams E. "Early HIV infection rate trends in exposed infants pre & post option B+ in Mozambique." CROI. February 2015. Seattle, WA. *Poster presentation*

Brusamento S, **Sebastian T**, DiMattei P, DaSilva Z, Prieto M, Arpadi S, Teasdale C, Abrams E. "Impact of simplified algorithm for diagnosis of Tuberculosis among children with TB exposure in Mozambique" 7th International Workshop on HIV Pediatrics. July 2015. Vancouver, BC. *Poster presentation*

Sebastian T. "A Natural Experiment in Sustainability II." Baylor International Pediatric AIDS Initiative Network meeting. Benghazi, Libya: March 2010. *Invited research presentation*

Sebastian T. "A Natural Experiment in Sustainability I." Baylor International Pediatric AIDS Initiative Network meeting. Houston, Texas: May 2009. *Invited research presentation*

Sebastian T, Waldman R. "Internal Displacement in Northern Sri Lanka and its impact on maternal child health." Capstone presentation at Columbia University's Mailman School of Public Health. New York, NY. May 2002. *Invited research presentation*

LANGUAGES

English – native proficiency.

Spanish – fluent proficiency, including certification in Medical Spanish.

Portuguese – general professional proficiency.

Malayalam – native proficiency in speaking / comprehension; limited reading / writing proficiency.

REFERENCES

Available upon request.