

Birkneh T. Tadesse MD PhD

[My LinkedIn](#) | [Google Scholar](#) | birknehtilahun@gmail.com | [+821098041348](#)

SUMMARY

- Experienced epidemiologist with proven track record in developing vaccines including a typhoid conjugate vaccine (licensed), and a schistosomiasis vaccine (under clinical development).
- Skilled clinical scientist and health professional with 20 years of expertise in clinical, research, academic, and leadership domains.
- Robust technical and academic background in epidemiology, biostatistics, machine learning, clinical medicine, infectious disease, vaccinology, and product clinical development.
- Trained in leadership management and versatile in collaborating with diverse stakeholder groups.
- Proven track record in successfully delivering complex programs, assessments and projects

EDUCATION

- 2016 - 2020 **PhD (Medical Sciences/Epidemiology) at Karolinska Institutet, Sweden**
Thesis: Optimization of pediatric antiretroviral treatment outcomes among HIV-infected children in Ethiopia. [Click Here for Thesis](#)
- 2015 - 2016 **Clinical Research and Development Fellowship at WHO/TDR and FIND**
Contributed to various projects evaluating diagnostic tools for infectious diseases, including malaria and febrile illnesses. Specifically, worked on developing tests that differentiate between viral and bacterial infections.
- 2013 - 2015 **Specialty Certificate in Bio-statistics at University of California, San Diego**
Completed a capstone project developing a statistical analysis plan for a pharmaceutical company.
- 2009 - 2012 **Pediatric Residency at Addis Ababa University, Ethiopia**
Chief Resident of Department of Pediatrics and Child Health
- 2001 - 2007 **MD - Doctor of Medicine at University of Gondar, Ethiopia**

WORK EXPERIENCE

- Associate Director General** Dec 2023 – present
International Vaccine Institute, Seoul, South Korea
• Provide strategic and scientific leadership to a multidisciplinary and multinational team of 35 scientists.
• Lead and oversee more than 10 large-scale, multi-country projects on vaccine impact, effectiveness, and product clinical development.
• Guide projects from design through implementation, analysis, and dissemination, ensuring scientific rigor and policy relevance.
• Coordinate international partners, funders, and stakeholders across multiple regions.
- Visiting Professor** Sept 2023 – present
Heidelberg Institute of Global Health (HIGH), Heidelberg, Germany
• Lead multidisciplinary collaborations on large-scale data analysis to inform vaccine impact, including the application of advanced statistical methods, machine learning, and AI-driven approaches.
• Co-supervise PhD and MSc students at the University of Heidelberg, providing guidance on study design, data analysis, and scientific writing.
- Affiliated Researcher, Department of Global Public Health** Jun 2020 – present

Karolinska Institute, Stockholm, Sweden

- PhD co-supervision - guiding doctoral students in their research projects; research collaboration - working jointly with other researchers to achieve common research goals.

Senior Research Scientist**Oct 2021 – Dec 2023****International Vaccine Institute, Seoul, South Korea**

- Provided scientific leadership for multi-country vaccine impact, effectiveness, capacity building (example: [ARC-WA Project - West Africa](#)) and product development studies, supervising a smaller multidisciplinary research team.
- Served as Principal Investigator for a large household transmission study of a Covid-19 candidate vaccine in the Philippines.
- Acted as Scientific and Technical Lead for COVID-19 vaccine (Sinopharm and Johnson & Johnson) effectiveness and safety studies in Madagascar and Mozambique.
- Led and completed a Phase IB clinical trial of a schistosomiasis vaccine in Burkina Faso and Madagascar as Scientific and Technical Lead.

Research Scientist**Sept 2019 – Sept 2021****International Vaccine Institute, Seoul, South Korea**

- Led typhoid vaccine clinical development: designed and led 3 clinical trials in Asian (Philippines) and African countries (Ghana and DRC). Technical lead for a cluster randomized trial of the Vi-TT typhoid conjugate vaccine in Ghana.
- Led multinational surveillance studies for blood culture-confirmed typhoid fever, Shigella, Group A Step., and Mpox.
- Responsible for preparing clinical development plans for vaccine candidates including Lassa, schistosomiasis, cholera, and typhoid.
- Supported preparation of essential documents including clinical study reports (CSR) and other components of the Common Technical Document (CTD) for regulatory submission.
- Managed the entire process of manuscript preparation, from initial drafts to co-investigator reviews, finalization, and submission/correspondence with peer-reviewed journals.

Associate Professor of Pediatrics**Feb 2017 – Aug 2019****Hawassa University, Hawassa, Ethiopia**

- *Teaching Responsibilities:* Instructed courses in Pediatric Infectious Diseases to both graduate and undergraduate students. Provided mentorship and supervision to over 10 graduate (MSc MPH) students on their theses.
- *Research Leadership:* Led major research grants (example: [PREGART Clinical Trial in Ethiopia and Uganda](#)), overseeing projects from the planning phase to successful completion.
- *Clinical and Community Service:* Acted as a lead clinician (consultant pediatrician) in clinical service. Engaged in community service initiatives, contributing expertise and leadership.

Assistant Professor of Pediatrics**Jan 2013 – Jan 2017****Hawassa University, Hawassa, Ethiopia**

- *Teaching Responsibilities:* Instructed undergraduate students. Supervised undergraduate students in their research work.
- *Research Leadership:* Provided clinical care as a general pediatrician. Attended pediatric infectious diseases clinics, specializing in HIV/AIDS and tuberculosis. Offered consultations on pediatric infectious diseases.
- *Clinical and Community Service:* Mentored pediatric residents during their attachments to the pediatric infectious disease unit.

Chair, Department of Pediatrics**Apr 2013 – Jan 2016**

Hawassa University, Hawassa, Ethiopia

- Led a department comprising 112 staff, including senior pediatricians, general practitioners, resident physicians, nurses, and technical and support staff.
- Established and managed the pediatric residency program in partnership with Addis Ababa University.
- Directly supervised 11 staff members, including the head of nursing, chief resident, 8 senior pediatricians, and the director of the post-graduate program.
- Acted as the departmental representative in workshops, university discussions, and international collaborations, initiating initiatives such as the VON network to enhance neonatal care services.

Lecturer, Department of Pediatrics

Sept 2007 – Dec 2012

Hawassa University, Hawassa, Ethiopia

- Responsible for patient care and teaching of undergraduate students.

SKILLS

Data Science and Analytics	Python, R, SQL/SQLite, HTML, CSS, JavaScript (including D3 and Observable), Tableau
Research and Development	Quantitative Epidemiology; Clinical Trials (Phase I–IV); Cluster Randomized Trials; Real-World Evidence and observational study designs; advanced biostatistics and causal inference; protocol and SAP development; regulatory and ethics submissions; scientific writing and editing (high-impact manuscripts, grant proposals, clinical study reports, policy briefs); data interpretation and translation to policy and practice.
Leadership	Strategic leadership; team building and mentorship; project and program management; cross-cultural and multinational collaboration; stakeholder engagement and partnership coordination; grant and resource management; decision-making and problem solving; scientific and ethical governance; communication and policy translation; supervision and capacity building of junior scientists and trainees

RESEARCH GRANTS SUPPORT

- Evaluation of the effectiveness and safety of the LC16m8 mpox vaccine in individuals aged one year and older in the Democratic Republic of Congo (DRC).

Role: *Scientific and Technical Lead.*

Funder: CEPI. Grant amount: \$13 million (2025–2028).

- Effectiveness of malaria vaccines in reducing the risk of invasive non-typhoidal *Salmonella* disease (VINS).

Role: *Principal Investigator.*

Funder: Gates Foundation. Grant amount: \$2.0 million (2025–2027).

- Impact of vaccination using the Clover SCB-2019 COVID-19 vaccine on household transmission of SARS-CoV-2 infection.

Role: *Principal Investigator.*

Funder: CEPI. Grant amount: €2.5 million (2020–2023).

- Expanding access to COVID-19 vaccines in Africa (ECOVA).

ClinicalTrials.gov: NCT04984408; NCT04998240.

Role: *Co-Investigator and Project Technical Lead.*

Funder: CEPI. Grant amount: €10 million (2020–2024).

- Safety and efficacy of dolutegravir and EFV400 for pregnant and breast-feeding women: a randomized non-inferiority clinical trial (PREGART).

Role: *Principal Investigator.*

Funder: EU Horizon 2020 via EDCTP2.

Project website: pregart.eu.

Grant amount: €3,902,468.75; Grant period: 5 years (2018–2023).

- Improving treatment of HIV-infected Ethiopian children through better detection of treatment failure (CEPHER).

Role: *Principal Investigator.*

Funder: International AIDS Society, CIPHER Research Programme.

Grant details: [link](#).

Grant amount: \$141,130; Grant period: 2 years (2016–2018).

- Implementation research for accelerating scale-up in Southern Nations, Nationalities and Peoples' Region (SNNPR), Ethiopia.

Role: *Principal Investigator.*

Funder: Bill & Melinda Gates Foundation in collaboration with WHO, Geneva.

Grant amount: \$994,910; Grant period: 2 years (2016–2018).

- Validation of promising biomarker assays to assess diagnostic performance in low- and middle-income countries.

Role: *Principal Investigator.*

Funder: FIND (Foundation for Innovative New Diagnostics).

Grant amount: \$150,000; Grant period: 1 year (2016–2017).

- Randomized clinical trial to identify optimal efavirenz dosage for treatment of HIV/AIDS in infants and children in sub-Saharan Africa.

Role: *Co-Investigator (Principal Applicant: E. Aklillu).*

Funder: Swedish Research Council (Vetenskapsrådet).

Grant amount: SEK 4,340,000; Grant period: 4 years (2018–2020).

- Building capacity in translational HIV paediatrics research in Southern Ethiopia.

Role: *Co-Investigator (Principal Applicant: Z. Brumme).*

Funder: Simon Fraser University, Mowafaghian Child Health Award.

Grant amount: \$15,000; Grant period: 1 year (2017).

AWARDS AND HONORS

- 2019: Received Letter of Appreciation from the School of Medicine, Hawassa University for providing free research training workshops to graduate and undergraduate medical and health science students (semiannual).
- 2017: Received Letter of Appreciation for contributing the highest number of research works in the School of Medicine (2016/17).
- 2014: Visiting Faculty, Department of Pediatrics, University of Texas Health Sciences Center at San Antonio, USA.
- 2015: Adjunct Faculty, Oklahoma State University, USA.
- 2012: Chief Resident, Department of Pediatrics and Child Health, Addis Ababa University, Ethiopia.

- 2016: Member, Institutional Review Board, College of Medicine, Hawassa University, Ethiopia.
- 2007: Awardee, Getachew Bolodia Foundation Fund (GBF), for ranking among the top five medical students.

AWARDED SCHOLARSHIPS

01/2017 – 12/2017

- Conference on Retroviruses and Opportunistic Infections (CROI): Scholarship for attendance and presentation of an accepted abstract, Boston, USA.

01/2016 – 12/2016

- Clinical Research and Development Fellowship, European & Developing Countries Clinical Trials Partnership (EDCTP) and WHO/TDR, Geneva, Switzerland.

01/2014 – 12/2014

- Short-term training in Clinical Research and Evidence-Based Medicine (SCREM), Antwerp, Belgium.
- Keystone Symposia Travel Scholarship for attendance at the conference *Mechanism of Action of Vaccine Adjuvants*, Seattle, USA.

INTERNATIONAL PRESENTATIONS

1/2025 – 12/2025

- Invited speaker at the international symposium *Strengthening Pandemic Preparedness Through Shared Experiences*, jointly organized by the Hong Kong Jockey Club Global Health Institute (HKJCGHI) and the International Vaccine Institute (IVI), Bangkok, November 12, 2025.

Rapid clinical evidence generation during emergencies: the Advancing Research Capacity in West Africa (ARC-WA) experience.

- Invited speaker at the international symposium *Advancing Global Health Through Scientific Innovation*, organized by the Hong Kong Jockey Club Global Health Institute (HKJCGHI), Hong Kong, January 7, 2025.

Understanding mpox: current epidemiology and ongoing research efforts.

01/2018 – 12/2018

- Poster presentation at the Conference on Retroviruses and Opportunistic Infections (CROI), Boston, USA. *High-level dual-class HIV drug resistance among children who failed treatment.*

01/2017 – 12/2017

- Panelist, “The mystery of winning competitive international grants: a panel discussion,” Annual Research Symposium, St. Paul’s Hospital Millennium Medical College (SHMMC), Ethiopia.

01/2016 – 12/2016

- African Society of Laboratory Medicine (ASLM), December 4–8, Cape Town, South Africa. *The scale of antimicrobial resistance in Africa: results of a systematic review.*
- International AIDS Society (IAS), Durban, South Africa. Stakeholders Meeting of the IAS–CIPHER. *Improving treatment of HIV-infected Ethiopian children through better detection of treatment failure (project progress update).*

01/2015 – 12/2015

- International AIDS Society (IAS), Vancouver, Canada. Stakeholders Meeting of the IAS–CIPHER. *Project proposal: Improving treatment of HIV-infected Ethiopian children through better detection of treatment failure.*

01/2014 – 12/2014

- Rwanda Xth International Conference on Kangaroo Mother Care (KMC), November 17–19, Kigali, Rwanda. *Couplet care for better survival of low birth weight babies.*
- Grand Rounds, Department of Pediatrics, University of Texas Health Sciences Center at San Antonio, USA, March 9. *Challenges to pediatric services in Southern Ethiopia.*

01/2012 – 12/2012

- Annual Conference of the Ethiopian Pediatric Society (EPS), December 19–22, Addis Ababa, Ethiopia. *High load of multidrug-resistant neonatal pathogens carried by cockroaches.*

PROFESSIONAL MEMBERSHIPS

- **2019 – Present:** Member, American Society of Tropical Medicine and Hygiene (ASTMH).
- **2016 – 2017:** Member, American Society for Microbiology (ASM).
- **2015 – 2023:** Member, International AIDS Society (IAS).
- **2014 – 2016:** International Member, American Academy of Pediatrics (AAP).
- **2013 – 2020:** Member, International Society of Infectious Diseases (ISID).
- **2010 – 2020:** Member, Ethiopian Public Health Association.
- **2009 – 2019:** Member, Ethiopian Medical Association.
- **2008 – Present:** Member, Ethiopian Pediatric Society (*Regional Coordinator for two years*).

LEADERSHIP ROLES

- **01/2022 – Present:** Member, Senior Management Committee, International Vaccine Institute (IVI).
- **01/2021 – Present:** Member, Program and Project Review Committee (PPRC), International Vaccine Institute (IVI).
- **01/2017 – 12/2019:** Permanent Member, Research and Development Advisory Committee, College of Medicine and Health Sciences, Hawassa University, Ethiopia.
- **01/2014 – 12/2022:** Member, Editorial Board, *Ethiopian Journal of Pediatrics and Child Health (EJPCH).*
- **01/2013 – 12/2015:** Chairperson, Infection Prevention Committee, Hawassa University Comprehensive Specialized Hospital, Ethiopia.
- **01/2013 – 12/2015:** Member, Academic Commission (AC), School of Medicine, Hawassa University, Ethiopia.
- **01/2013 – 12/2015:** Member, Medical Education Committee, Hawassa University, Ethiopia.

INVITED EXTERNAL EXAMINER

01/2024 – 12/2024

- PhD proposal defense examiner, School of Public Health, Addis Ababa University, Addis Ababa, Ethiopia.

01/2017 – 12/2017

- Judge for abstract competition, Annual Research Symposium, St. Paul Hospital Millennium Medical College (SHMMC), Addis Ababa, Ethiopia.

01/2016 – 12/2016

- Examiner for MSc thesis defense (Public Health), College of Medicine and Health Sciences, School of Public Health, Hawassa University, Ethiopia.

01/2015 – 12/2015

- Final qualifying examination examiner for medical students, University of Gondar, Gondar, Ethiopia.
- Final qualifying examination examiner for medical students, St. Paul Medical College, Addis Ababa, Ethiopia.
- Examiner for MSc thesis defense (Nutrition), College of Agriculture, School of Nutrition, Hawassa University, Ethiopia.

01/2014 – 12/2014

- Final qualifying examination examiner for medical students, St. Paul Medical College, Addis Ababa, Ethiopia.

COMPLETED REVIEWER ASSIGNMENTS

01/2023 – 12/2023

- *The Lancet*.

01/2019 – 12/2019

- *Journal of the International AIDS Society (JIAS)*.
- *PLOS Neglected Tropical Diseases*.

01/2018 – 12/2018

- *Open Forum for Infectious Diseases (OFID)*.

01/2017 – 12/2017

- *BMJ Open*.

01/2016 – 12/2016

- *PLOS ONE*.
- *Ethiopian Journal of Pediatrics and Child Health*.
- *Ethiopian Journal of Health Sciences*.

01/2014 – 12/2014

- *BMC Public Health*.
- *PLOS ONE*.

EDITORIAL ROLES

01/2024 – 12/2025

- Guest Editor, *Clinical Infectious Diseases* – Volume 80, Issue Supplement 1 (15 June 2025).

LANGUAGES

- **Amharic:** ★★★★★ (Native)
- **English:** ★★★★★ (Fluent)
- **French:** (Studying)

PEER REVIEWED PUBLICATIONS

1. Tadele T, Astatkie A, Tadesse BT, Makonnen E, Abay SM, Aklillu E: Knowledge, Attitudes, and Practices of Primary caregivers of Preschool children towards Schistosoma mansoni infection in Southern Ethiopia: A community-based cross-sectional study. *J Public Health Res* 2025, 14:22799036251361622.
2. Tack B, Vita D, Mbuyamba J, Nketo J, Ntangu E, Phoba MF, Luyindula A, Nkoji G, Vuvu H, Heroes AS, et al: Efficacy of susceptibility-matched antibiotic treatment of nontyphoidal Salmonella bloodstream infections: a prospective observational study in hospitalized children under 5 in the Democratic of Congo. *Clin Microbiol Infect* 2025.
3. Ramgi P, Siribie M, Rakotozandrindrainy N, Bule O, Shrivastava H, Chambule L, Park EL, Fernando C, Boque J, Macuiana R, et al: Immunogenicity and Safety of Heterologous Versus Homologous Prime-Boost Regimens With BBIBP-CorV and Ad26.COV2.S COVID-19 Vaccines: A Multicentric, Randomized, Observer-Blinded Non-inferiority Trial in Madagascar and Mozambique. *Clin Infect Dis* 2025, 80:S37-s46.
4. Rakotozandrindrainy N, Kang SSY, Wandji Nana LR, Sugimoto JD, Wang YT, Rakotozandrindrainy N, Razafindrabe TJL, Raminosoa TM, Hong SL, Razafindrakalia M, et al: COVID-19 Surveillance in Madagascar and Urban Burkina Faso: Addressing Underreporting of Disease Burden Through Integrative Analysis of Diverse Data Streams. *Clin Infect Dis* 2025, 80:S16-s28.
5. Pial RH, Capeding MR, Tadesse BT, Excler JL, Song KR, Park EL, Park IY, Yang JS, Kim S, Lee EY, et al: Longevity of immune-response provided by at least one dose of vi-DT vaccine 5 years after vaccination among healthy Filipino adults and children. *Vaccine* 2025, 64:127751.
6. Namwase H, Mukonzo JK, Ankunda C, Vella S, Tadesse BT, Aklillu E: Increased risk of neuropsychiatric adverse events with dolutegravir-based antiretroviral therapy during pregnancy: Findings from a prospective cohort study. *Int J Infect Dis* 2025, 161:108118.
7. Li D, Jiang C, Zhu W, Houlder EL, Stam KA, Koopman JPR, Langenberg M, Kavishna R, Torkzadeh S, Andersson B, et al: Temporal modulation of gene expression in a controlled Schistosoma mansoni human infection model. *Front Immunol* 2025, 16:1707749.
8. Kim CL, Thwe TT, Espinoza LMC, Sugimoto JD, Fallah MP, Jeon HJ, Rakotozandrindrainy R, Owusu-Dabo E, Bassiahi AS, Lunguya O, et al: Overcoming Vaccine Inequities and Research Gaps in Africa: Challenges and Opportunities Identified During the COVID-19 Pandemic. *Clin Infect Dis* 2025, 80:S9-s15.

9. Kifle DW, Balkhi MY, Ono Y, Davis J, Doi N, Arya A, Kim J, Kalyanasundaram A, Nandy S, Rakotozandrindrainy N, et al: A functional enzymatic assay as potential readout for a clinical trial of a schistosomiasis vaccine. *NPJ Vaccines* 2025, 10:48.
10. Kang SSY, Tadesse BT, Jeon HJ, Fallah MP, Dereje N, Ilesanmi OS, Abay SM, Tekle BI, Son HG, Shrestha L, et al: Enhancing Clinical Trial Sites in Low- and Middle-Income Countries to Facilitate Product Development in Response to the COVID-19 Pandemic. *Clin Infect Dis* 2025, 80:S1-s8.
11. Hoque M, Kim DR, Ahmed F, Islam MT, Im J, Tadesse BT, Kang S, Khanam F, Chowdhury F, Ahmed T, et al: Protection by natural cholera against later episodes of cholera over 10 years of follow-up in Matlab, Bangladesh: a retrospective cohort study. *Lancet Microbe* 2025, 6:100981.
12. Girma M, Argaw A, Tilahun Tadesse B, Mulugeta B, Chowanadisai W, Stoecker BJ: Effects of weekly cholecalciferol supplementation of lactating mothers on vitamin D status, and infant growth and gross motor development: a randomized controlled trial in rural Ethiopia. *Am J Clin Nutr* 2025, 122:1306-1316.
13. Fallah MP, Dereje N, Temfack E, Byonanebye DM, Weyer J, Mutombo PN, Misaki W, Candace E, Njai A, Strub-Wourgaft N, et al: A call for health RD prioritisation and governance mechanisms in Africa. *Lancet* 2025, 405:889-890.
14. Capitine IU, Aziz AB, Manhiça A, Tivane I, Zumba A, Nhumba M, Rebocho Z, Miquicene E, Nguenha N, Langa J, et al: Real-world Evaluation of the Effectiveness of Sinopharm COVID-19 Vaccine Against Symptomatic COVID-19 in an Omicron-Dominant Setting in Mozambique: A Test-Negative, Case-Control Study. *Clin Infect Dis* 2025, 80:S47-s56.
15. Ylade M, Aziz AB, Daag JV, Crisostomo MV, Agrupis KA, Maronilla MA, Sye Lim Hong C, Kim HY, Njau I, Lopez MHJ, et al: Using Dried Blood Spots to Quantitatively Detect Anti-SARS-CoV-2 IgG Antibodies by ELISA: A Validation Study. *Am J Trop Med Hyg* 2024, 111:391-395.
16. Tadesse BT, Cardona RSB, Marks F: Long-term protection conferred by typhoid conjugate vaccines: a step towards typhoid elimination? *Lancet* 2024, 403:413-415.
17. Marks F, Im J, Park SE, Pak GD, Jeon HJ, Wandji Nana LR, Phoba MF, Mbuyi-Kalonji L, Mogeni OD, Yeshitela B, et al: Incidence of typhoid fever in Burkina Faso, Democratic Republic of the Congo, Ethiopia, Ghana, Madagascar, and Nigeria (the Severe Typhoid in Africa programme): a population-based study. *Lancet Glob Health* 2024, 12:e599-e610.
18. Keddy KH, Tadesse BT: Inaccessible: health, wealth, governance, and equity in low-income and middle-income countries. *Lancet Infect Dis* 2024, 24:444-445.
19. Im J, Islam MT, Ahmed F, Kim DR, Tadesse BT, Kang S, Khanam F, Chowdhury F, Ahmed T, Firoj MG, et al: Do Oral Cholera Vaccine and Water, Sanitation, and Hygiene Combine to Provide Greater Protection Against Cholera? Results From a Cluster-Randomized Trial of Oral Cholera Vaccine in Kolkata, India. *Open Forum Infect Dis* 2024, 11:ofad701.
20. Gedefaw A, Tadesse BT, Tadesse S, Kebede B, Hussen S, Hailu D, Berhan Y, Makonnen E, Vella S, Aklillu E: The progress of mother-to-child transmission of Human Immunodeficiency Virus (HIV) after Dolutegravir (DTG) optimization program: evidence from a multicenter cohort study in Ethiopia. *BMC Public Health* 2024, 24:3367.
21. Gedefaw A, Tadesse BT, Berhan Y, Makonnen E, Vella S, Aklillu E: The safety of a dolutegravir (DTG)-based antiretroviral treatment (ART) regimen for pregnancy and birth outcomes in Ethiopia: evidence from multicenter cohort study. *BMC Infect Dis* 2024, 24:901.
22. Aziz AB, Sugimoto JD, Hong SL, You YA, Bravo L, Roa C, Jr., Borja-Tabora C, Montellano MEB, Carlos J, de Los Reyes MRA, et al: Indirect effectiveness of a novel SARS-CoV-2 vaccine (SCB-2019) in unvaccinated household contacts in the Philippines: A cluster randomised analysis. *J Infect* 2024, 89:106260.

23. Ahmed F, Khanam F, Islam MT, Kim DR, Kang S, Firoj MG, Aziz AB, Hoque M, Liu X, Jeon HJ, et al: Spatial and temporal clustering of typhoid fever in an urban slum of Dhaka City: Implications for targeted typhoid vaccination. *PLoS Negl Trop Dis* 2024, 18:e0012273.
24. Agampodi S, Tadesse BT, Sahastrabuddhe S, Excler JL, Kim JH: Biases in COVID-19 vaccine effectiveness studies using cohort design. *Front Med (Lausanne)* 2024, 11:1474045.
25. Tadesse BT, GBD Authors: 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* 2024, 403:1989-2056.
26. Yao L, Chemaitelly H, Goldman E, Gudina EK, Khalil A, Ahmed R, James AB, Roca A, Fallah MP, Macnab A, et al: Time to establish an international vaccine candidate pool for potential highly infectious respiratory disease: a community's view. *EClinicalMedicine* 2023, 64:102222.
27. Tadesse BT, Khanam F, Ahmed F, Liu X, Islam MT, Kim DR, Kang SS, Im J, Chowdhury F, Ahmed T, et al: Association Among Household Water, Sanitation, and Hygiene (WASH) Status and Typhoid Risk in Urban Slums: Prospective Cohort Study in Bangladesh. *JMIR Public Health Surveill* 2023, 9:e41207.
28. Tadesse BT, Keddy KH, Rickett NY, Zhusupbekova A, Poudyal N, Lawley T, Osman M, Dougan G, Kim JH, Lee JS, et al: Vaccination to Reduce Antimicrobial Resistance Burden-Data Gaps and Future Research. *Clin Infect Dis* 2023, 77:S597-s607.
29. Tadesse BT, Bravo L, Marks F, Aziz AB, You YA, Sugimoto J, Li P, Garcia J, Rockhold F, Clemens R: Impact of Vaccination With the SCB-2019 Coronavirus Disease 2019 Vaccine on Transmission of Severe Acute Respiratory Syndrome Coronavirus 2 Infection: A Household Contact Study in the Philippines. *Clin Infect Dis* 2023, 76:1180-1187.
30. Tadele T, Astatkie A, Tadesse BT, Makonnen E, Aklillu E, Abay SM: Efficacy and safety of praziquantel treatment against *Schistosoma mansoni* infection among pre-school age children in southern Ethiopia. *Trop Med Health* 2023, 51:72.
31. Tadele T, Astatkie A, Abay SM, Tadesse BT, Makonnen E, Aklillu E: Prevalence and Determinants of *Schistosoma mansoni* Infection among Pre-School Age Children in Southern Ethiopia. *Pathogens* 2023, 12.
32. Tadele H, Kassa DH, Gebriel FW, Bilal SM, Gedefaw A, Teshome M, Kawza A, Wangoro S, Muleta M, Abebo TA, et al: Development and evaluation of a kangaroo mother care implementation model in South Ethiopia. *Acta Paediatr* 2023, 112 Suppl 473:65-76.
33. Shimelis T, Mulu A, Mengesha M, Alemu A, Mihret A, Tadesse BT, Bartlett AW, Belay FW, Schierhout G, Dittrich S, et al: Detection of dengue virus infection in children presenting with fever in Hawassa, southern Ethiopia. *Sci Rep* 2023, 13:7997.
34. Kim C, Goucher GR, Tadesse BT, Lee W, Abbas K, Kim JH: Associations of water, sanitation, and hygiene with typhoid fever in case-control studies: a systematic review and meta-analysis. *BMC Infect Dis* 2023, 23:562.
35. Islam MT, Im J, Ahmed F, Kim DR, Tadesse BT, Kang S, Khanam F, Chowdhury F, Ahmed T, Firoj MG, et al: Better Existing Water, Sanitation, and Hygiene Can Reduce the Risk of Cholera in an Endemic Setting: Results From a Prospective Cohort Study From Kolkata, India. *Open Forum Infect Dis* 2023, 10:ofad535.
36. Chowdhury F, Aziz AB, Ahmed F, Ahmed T, Kang SS, Im J, Park J, Tadesse BT, Islam MT, Kim DR, et al: The interplay between WASH practices and vaccination with oral cholera vaccines in protecting against cholera in urban Bangladesh: Reanalysis of a cluster-randomized trial. *Vaccine* 2023, 41:2368-2375.

37. Chala A, Kitabi EN, Ahmed JH, Tadesse BT, Chaka TE, Makonnen E, Aklillu E: Genetic and non-genetic factors influencing efavirenz population pharmacokinetics among human immunodeficiency virus-1-infected children in Ethiopia. *CPT Pharmacometrics Syst Pharmacol* 2023, 12:783-794.
38. Chae C, Kim RK, Jang EJ, Shim JA, Park E, Lee KH, Hong SL, Aziz AB, Tadesse BT, Marks F, et al: Comparing the effectiveness of bivalent and monovalent COVID-19 vaccines against COVID-19 infection during the winter season of 2022-2023: A real-world retrospective observational matched cohort study in the Republic of Korea. *Int J Infect Dis* 2023, 135:95-100.
39. Tadesse BT, KMC Authors, Incremental costs of scaling up kangaroo mother care: Results from implementation research in Ethiopia and India. *Acta Paediatr* 2023, 112 Suppl 473:86-94.
40. Tadesse BT, Khanam F, Ahmmmed F, Im J, Islam MT, Kim DR, Kang SSY, Liu X, Chowdhury F, Ahmed T, et al: Prevention of Typhoid by Vi Conjugate Vaccine and Achievable Improvements in Household Water, Sanitation, and Hygiene: Evidence From a Cluster-Randomized Trial in Dhaka, Bangladesh. *Clin Infect Dis* 2022, 75:1681-1687.
41. Shimelis T, Vaz Nery S, Tadesse BT, Bartlett AW, Belay FW, Schierhout G, Dittrich S, Crump JA, Kaldor JM: Clinical management and outcomes of acute febrile illness in children attending a tertiary hospital in southern Ethiopia. *BMC Infect Dis* 2022, 22:434.
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