

Ashenafi Shumey Cherkos, PhD, MPH-Epidemiology, MPH, CPH

Email: Ashenafi.cherkos@unthsc.edu

Phone: 206-356-7467

EDUCATION:

- 2022 Doctor of Philosophy, Epidemiology
Department of Epidemiology, School of Public Health
University of Washington, Seattle, Washington
- 2019 Master of Public Health, Epidemiology/Maternal and Child Health
Department of Epidemiology, School of Public Health
University of Washington, Seattle, Washington
- 2011 Master of Public Health
School of Public Health
Mekelle University, Mekelle, Ethiopia
- 2016 Bachelor of Science, Public Health
School of Public Health
Debu (recently renamed Hawassa) University
Hawassa, Ethiopia

PROFESSIONAL EXPERIENCE:

- 2022–present **Assistant Professor**
Department of Population and Community Health
College of Public Health, University of North Texas Health at Fort Worth
- 2021-2022 **Research Assistant**
Global Center for Integrated Health of Women, Adolescents, and Children
Department of Global Health and Epidemiology Department, University of Washington
- 2021-2021 **Research assistant**
Strengthening Care Opportunities through Partnership in Ethiopia
Department of Global Health, University of Washington
- 2016-2020 **Health Navigator:** Health Workforce for the Future program
TRAC Associates, Seattle, Washington
- 2009-2015 Assistant lecture (2009-2011); Lecture (2011-2013); Assistant professor (2014-2015), School of Public Health, Mekelle University, Mekelle, Tigray, Ethiopia
- 2011-2015 **ART/STI trainer: CDC ART/HIV/STI Project**
School of Public Health, Mekelle University, Mekelle, Tigray, Ethiopia
- 2013-2015 **Trainer**, HIV/AIDS Care Integration into Maternal and Child Health and Counseling Services
Pathfinder International, Tigray, Ethiopia
- 2007-2009 **Head, Department of Public Health**
Jigjiga University, Jigjiga, Ethiopia
- 2006-2007 **Clinician, Outpatient Department Head and HIV/AIDS care focal person**
Kobo Health Center, North Wollo, Amhara Region, Ethiopia

Ashenafi Shumey Cherkos, PhD, MPH-Epidemiology, MPH, CPH

Email: Ashenafi.cherkos@unthsc.edu

Phone: 206-356-7467

Department/University services:

- 2022-2023 **Diversity, Equity, and Inclusion Committee**
School of Public Health
University of North Texas Health at Fort Worth
- 2021–2022 **Admission committee for Community Oriented Public Health Program**
Department of Health Systems and Population Health
University of Washington
- 2011-2015 **Academic Program Coordinator** (2011-2015)
Epidemiology and Biostatistics team leader (2012-2014)
Admission committee (2011-2015)
Journal Club Coordinator (2013-2015)
Ethical review committee (2013-2015)
Member of School Council (2012-2014)
School of Public Health, Mekelle University
Mekelle, Ethiopia

TEACHING EXPERIENCES:

- 2022–present **Assistant professor**, Department of Population and Community Health, College of Public Health, University of North Texas Health at Fort Worth.
Taught
MACH5391 – Special topic on Maternal and Child Health (3 Credit hours)
EPID5300 – Principles of Epidemiology (3 Credit hours)
MACH5336 – Maternal and Child Health Epidemiology
EPID5312 – Survey Research & Questionnaire Design
EPID6312 – Advanced Methods in Epidemiology II
- 2021-2022 **Clinical Instructor**, Community-Oriented Public Health Program (COPHP), University of Washington, Seattle, Washington.
Taught HSERV 533 (COPHP Quantitative methods – 6 Credit hours)
Department of Health Systems and Population Health
Teaching Assistant, Department of Epidemiology
EPI 221 – Maternal and child health epidemiology (5 Credit hours)
EPI 360 – Exploring the HIV/AIDS pandemic (5 Credit hours).
- 2014-2015 **Assistant Professor of Public Health**, Department of Epidemiology and Biostatistics, Mekelle, University, Tigray, Ethiopia.
Taught the following courses:
PHEP 531 – Epidemiology I, 3 Credit hours
PHBI 551 – Biostatistics I, 4 Credit hours
PHRS 671 – Research Methodology, 3 Credit hours
- 2011-2014 **Lecturer**, Department of Epidemiology and Biostatistics, Department of Epidemiology and Biostatistics, Mekelle, University, Tigray, Ethiopia.
Taught the following courses:
PHEP 531 – Epidemiology I, 3 Credit hours
PHBI 551 – Biostatistics I, 4 Credit hours
PHRS 671 – Research Methodology, 3 Credit hours
ComH 221 – Introduction to Epidemiology, 3 Credit hours
ComH 122 – Introduction to Biostatistics, 4 Credit hours

Ashenafi Shumey Cherkos, PhD, MPH-Epidemiology, MPH, CPH

Email: Ashenafi.cherkos@unthsc.edu

Phone: 206-356-7467

ComH 224 – Research Methodology, 2 Credit hours

2009-2011 **Assistant lecturer**, Department of Public Health, Department of Epidemiology and Biostatistics, Mekelle, University, Tigray, Ethiopia.

Taught the following courses:

ComH 221 – Introduction to Epidemiology, 3 Credit hours

ComH 122 – Introduction to Biostatistics, 4 Credit hours

ComH 224 – Research Methodology, 2 Credit hours

ComH 223 – Health Service Management, 3 Credit hours

ComH 101 – Introduction to Public Health, 1 Credit hours

2007-2019 **Graduate Assistant**, Department of Public Health Jigjiga University, Jigjiga, Somali, Ethiopia.

Taught the following courses:

ComH 225 – Introduction to Human Nutrition, 3 Credit hours

ComH 122 – Introduction to Biostatistics, 4 Credit hours

ComH 221 – Introduction to Epidemiology, 3 Credit hours

PUBLICATIONS (current Cherkos, formerly Shumey)

1. **Cherkos AS**, LaCourse SM, Enquobahrie DA et al. Effect of pregnancy versus postpartum maternal isoniazid preventive therapy on infant growth in HIV-exposed uninfected infants. *eClinicalMedicine* 2023;58: 101912
2. **Cherkos AS** et al. Effect of TB-HIV co-treatment on clinical and growth outcomes among hospitalized children newly initiating antiretroviral therapy. *AIDS*. 2023 Nov 28. doi: 10.1097/QAD.0000000000003797. Epub ahead of print. PMID: 38016160. Abstract presented at presented at HIV and Pediatrics conference, Montreal, Canada.
3. **Cherkos AS**, LaCourse SM, Enquobahrie DA, Escudero JN, Mecha J, Matemo D, Kinuthia J, Iribarren SJ, John-Stewart G. Isoniazid preventive therapy during infancy does not adversely affect growth among HIV-exposed uninfected children: Secondary analysis of data from a randomized controlled trial. *PLoS One*. 2024 Aug 16;19(8):e0293708. doi: 10.1371/journal.pone.0293708. PMID: 39150949; PMCID: PMC11329125.
4. **Cherkos AS** et al. Isoniazid preventive therapy during infancy does not adversely effect growth among HIV-exposed uninfected children: secondary analysis of data from a randomized controlled trial. *medRxiv [Preprint]*. 2023 Oct 20:2023.10.19.23297259. doi: 10.1101/2023.10.19.23297259. PMID: 37905041; PMCID: PMC10614991. Abstract presented at Conference on Retroviruses and Opportunistic Infections (CROI) 2023.
5. **Cherkos AS** et al. Maternal breastfeeding and education impact infant growth and development more than in utero HIV/ART exposure in context of universal ART: a prospective study. *AIDS*. 2023 Nov 14. doi: 10.1097/QAD.0000000000003785. Epub ahead of print. PMID: 37967230. Abstract presented at Conference on Retroviruses and Opportunistic Infections (CROI) 2023.
6. **Shumey A**, Demissie M, Berhane Y.: Timely initiation of complementary feeding and associated factors among children aged 6 to 12 months in Northern Ethiopia: an institution-based cross-sectional study. *BMC Public Health* 2013 13:1050.
7. Asefa NG, Ingale L, **Shumey A**, Yang H (2015). Prevalence and Factors Associated with Road Traffic Crash among Taxi Drivers in Mekelle Town, Northern Ethiopia, 2014: A Cross-Sectional Study. *PLoS ONE* 2015 10:3
8. Yedjou CG, Sims JN, Njiki S, Chitoh AM, Joseph M, **Cherkos AS**, Tchounwou PB. Health and Racial Disparities in Diabetes Mellitus Prevalence, Management, Policies, and

Outcomes in the United States. *J Community Med Public Health*. 2024;8(3):460. doi: 10.29011/2577-2228.100460. Epub 2024 Aug 15. PMID: 39697180; PMCID: PMC11654833.

9. Olakunde BO, Adeyinka DA, Ujam C, Ejeckam C, **Cherkos AS**, Ndukwe CD, Adesina A, Green K, Anenih JO. Prevalence and correlates of prenatal HIV testing among female sex workers in Nigeria. *Int J STD AIDS*. 2024 Dec;35(14):1133-1141. doi: 10.1177/09564624241284078. Epub 2024 Sep 19. PMID: 39295577.
10. Olakunde BO, Adeyinka DA, Ujam C, **Cherkos AS**, Yahaya HB, Ndukwe CD, Anenih JO. Sexual Violence and the Increased Risk of HIV among MSM in Nigeria. *AIDS Behav*. 2025 Mar 13. doi: 10.1007/s10461-025-04675-1. Epub ahead of print. PMID: 40080293.
11. Abraham S, Miruts G, **Shumey A**. Magnitude of Chronic Energy deficiency and its associated factors among women of reproductive age in Kunama population, Tigray, Ethiopia, in 2014. *BMC Nutrition* 2015 1:12.
12. Tadele A, **Shumey A**, Hiruy N. (2014) Survival and Predictors of Mortality among Adult Patients on Highly Active Antiretroviral Therapy at Debre-Markos Referral Hospital, Northwest Ethiopia; A Retrospective Cohort Study. *J AIDS Clin Res* 5: 280.
13. Maldey B, Haile F, **Shumey A**. (2014) Outcome of Ready to Use Food Therapy among Patients on HIV/AIDS Care in Mekelle Hospital, Northern Ethiopia: Retrospective Cohort Study. *J AIDS Clin Res* 5: 268.
14. Mekibib E, **Shumey A**, Ferede S, Haile F: Prevalence of appropriate complementary feeding practice and associated factors among mothers having children 6-23 months of age in northern Ethiopia; a community-based cross-sectional study. *Journal of Food and Nutrition Sciences*. 2014 2: 36-42.
15. Ayalew A, Abreha K, **Shumey A**, Berhane K: Magnitude and Predictors of Early Sexual Debut among High and Preparatory School Students in Northern Ethiopia: A School-based Cross-sectional Study. *J Health Edu Res Dev*. 2015 3:151.
16. Esayas R, **Shumey A**, Selassie KG: Laparoscopy surgery in a Government Teaching Hospital: initial experience from Ayder Referral Hospital in Northern Ethiopia. *East Cent Afri J Surg* 2015 20(1): 49–54.
17. Kelbore AG, Alemu W, **Shumey A**, et al. Magnitude and associated factors of atopic dermatitis among children in Ayder Referral hospital, Mekelle, Ethiopia. *BMC Dermatology* 2015, 15:15
18. Gutema H, **Shumye A**. Caesarean Section and Associated Factors at Mizan Aman General Hospital Southwest Ethiopia. *Journal of Gynecology and Obstetrics*. 2014 2(3): 37-41

MANUSCRIPTS IN PREPARATION (Cherkos AS):

1. **Cherkos AS**, Vander Stoep A, Enquobahrie D, McCauley E, and Rhew I. Use of Marginal Structural Models to Examine the Bidirectional Association between Depression and Excess Body Weight.
2. **Cherkos AS**, Mulugeta A, Godefay H. Impact of Husband Involvement in House-to-House Health Education on ameliorating antenatal care and birth-preparedness: A Three Arms Cluster Randomized trial.
3. **Cherkos AS**, Mulugeta A, Godefay H. Impact of Husband Involvement in House-to-House Health Education on ameliorating institutional delivery: A Three Arms Cluster Randomized trial.

Ashenafi Shumey Cherkos, PhD, MPH-Epidemiology, MPH, CPH

Email: Ashenafi.cherkos@unthsc.edu

Phone: 206-356-7467

4. **Cherkos AS**, Marcinkevage J, Susmitha Nambuthiri, Enquobahrie D. Association of Adverse Childhood Experiences and Household food insecurity in Washington State.
5. **Cherkos AS**, Enquobahrie D. Association of preterm birth and maternal calorie intake during pregnancy and childhood obesity among participants of the National Longitudinal Surveys of Youth 1979 (NLSY79).

HONORS AND AWARDS:

2022 Junior Investigator Award: TB research and training center, University of Washington.
2017 Outstanding team worker certificate: Worksource Seattle-King County, Washington.
2012 Best team leader, School of Public Health, Mekelle University.

Completed projects:

2017-2020 The effect of TB-HIV cotreatment in children living with HIV and isoniazid preventative therapy in HIV-exposed yet uninfected infants on growth and prognosis.
Funding Agency: NIH Diversity Supplement
Role in the Project: PI.

2013-2016 Intervention - Impact of Husband Involvement in House-to-House Health Education on Ameliorating Maternal and Child Health Practices Utilization: A Three Arms Cluster Randomized trial;
Funding Agency: Tigray Regional Health Bureau, Tigray, Ethiopia
Role in the Project: Principal Investigator

SKILLS:

- Statistical analysis using R, STATA, SPSS, Epi Info and Python (beginner).

FELLOWSHIPS AND PROFESSIONAL TRAINING:

2024 Post Graduate Program in Artificial Intelligence and Machine Learning: Business Applications (PGP AIML), by The McCombs School of Business, The University of Texas at Austin.

2023-2024 Leadership Fellow, 2023 cohort of the Artificial Intelligence/Machine Learning Consortium to Advance Health Equity and Researcher Diversity (AIM-AHEAD) program.

2023 - Interdisciplinary Research Leadership (IRL) program offered by the Institute for Health Disparities (IHD).

2019-2022 Certificate in Leadership Education in Neurodevelopmental and Related Disabilities (LEND), University of Washington, Seattle, Washington.

2017-2018 The NIH National Heart Lung & Blood Institute funds through the University of Washington Stipends for Training Aspiring Researchers (STAR) Program, Seattle, Washington.

2018 Practicum stipend support: Department of Epidemiology – Maternal and Child Health Center of Excellence, University of Washington, Seattle, Washington.

Ashenafi Shumey Cherkos, PhD, MPH-Epidemiology, MPH, CPH

Email: Ashenafi.cherkos@unthsc.edu

Phone: 206-356-7467

- 2014 Comprehensive Systematic Review Training (Meta-analysis and Systematic Review), Mekelle University and Addis Ababa University, Mekelle, Ethiopia.
- 2013 Prevention of Mother to Child Transmission of HIV (PMTCT), Mekelle University Mekelle, Ethiopia
- 2011 Demography and Health Survey, ICF International, Addis Ababa, Ethiopia.
- 2012 Family planning and antiretroviral treatment integration (2012), Path Finder, Mekelle, Ethiopia.
- 2011 Health Systems Research Methods and Health Ethics, Tigray Science and Technology Agency and World Health Organization, Mekelle, Ethiopia.
- 2011 Comprehensive Antiretroviral Therapy based on IMAI Training Principles and Modules, Bahirdar and Mekelle, Ethiopia
- 2009 Online Education Pedagogical and Technical Skills for E-learning, November 16-20/2009, Alcalá University and Mekelle University, Mekelle, Ethiopia.

INVITED TALKS:

- 2021-2022 Presented “Effect of Isoniazid Prevention Therapy Timing (pregnancy versus postpartum) on Risk of Growth Faltering among HEU Infants”
- Tuberculosis Research and Training Center 6th University of Washington annual, April 2022
 - Epi seminar (EPI 583), University of Washington (2021).
 - International Maternal Pediatric Adolescent AIDS Clinical Trials Group (IMPAACT), virtual (2021 & 2022)
 - Kenya Research and Training Center and Global WACH, virtual (2021).
- 2019 Presented “Association of Adverse Childhood Experiences (ACEs) and Household Food Insecurity” to the Epidemiology team, Department of Health, Washington, USA on May 2019.
- 2019 Facilitated “parenting style to Ethiopian parents in Seattle”, Ethiopian Community in Seattle in June 2019.

PRESENTATIONS:

- 2023 Poster presentation on the “Impact of infant IPT on the rate of growth and growth faltering of HEU infants using data from an RCT of IPT among HEU” on CROI 2023, Seattle, WA.
- 2023 Poster presentation on the “Effect of in utero HIV and antiretroviral therapy exposure on growth and development during infancy” on CROI 2023, Seattle, WA.
- 2022 Poster presentation on the “Effect of TB-HIV cotreatment on the prognosis of Children Living with HIV” on HIV and Pediatrics conference, Montreal, Canada.

Ashenafi Shumey Cherkos, PhD, MPH-Epidemiology, MPH, CPH

Email: Ashenafi.cherkos@unthsc.edu

Phone: 206-356-7467

- 2022 Poster presentation on the “Maternal Isoniazid preventive therapy in Pregnancy and Growth Faltering among HIV-Exposed Uninfected Infants” on CROI 2022, virtual.
- 2021 Poster presentation on the “Association of Adverse Childhood Experiences (ACEs) and Household Food Insecurity” on National Community Leadership Summit, Boston University School of Medicine and Direct Vital Village Networks, virtual.
- 2021 Oral presentation on the “Association of Adverse Childhood Experiences (ACEs) and Household Food Insecurity” on the 35th Society for Pediatric and Perinatal Epidemiologic Research Symposium, virtual.
- 2021 Speed talk on the “Bidirectional Association between Obesity and Depression in Adolescents” on the 35th Society for Pediatric and Perinatal Epidemiologic Research Symposium, virtual.
- 2018 Oral presentation on the association of “Adverse Childhood Experiences (ACEs) and Household Food Insecurity,” Department of Health, Washington.
- 2020 Poster presentation on “Associations of Preterm Birth with Childhood Obesity,” University of Washington Stipends for Training Aspiring Researchers (STAR) Program, University of Washington.
- 2013 Poster presentation on “Factors affecting postpartum family planning utilization among Mekelle Women” at the 3rd international family planning conference in Addis Ababa, Ethiopia.