

Ashenafi Shumey Cherkos, PhD, MPH-Epidemiology, MPH
University of North Texas Health Science Center School of Public Health
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Email: Ashenafi.cherkos@unthsc.edu

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 Biostatistics and Epidemiology
School of Public Health
University of North Texas Health Science Center at Fort Worth
- 2021-2022 **Research assistant**
Global Center for Integrated Health of Women, Adolescents, and Children
Department of Global Health
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

- 2011-2015 **ART/STI trainer: CDC ART/HIV/STI Project**
 School of Public Health
 Mekelle University
 Mekelle, Tigray, Ethiopia
- 2007-2009 **Head, Department of Public Health**
 Jigjiga University
 Jigjiga, Ethiopia
- 2006-2007 **Clinician, Outpatient Department Head and Focal Person of ART**
 Kobo Health Center
 North Wollo, Amhara Region, Ethiopia

Department/University services:

- 2022-present **Diversity, Equity, and Inclusion Committee**
 School of Public Health
 University of North Texas Health Sciences Center 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)**
Admission committee (2011-2015)
Journal Club Coordinator (2013-2015)
Ethical review committee (2013-2015)
Member of School Council (2012-2014)
Epidemiology and Biostatistics team leader (2012-2014)
 School of Public Health
 Mekelle University
 Mekelle, Ethiopia

TEACHING EXPERIENCES:

- 2021-2022 **Clinical Instructor**, Community-Oriented Public Health Program (COPHP), University of Washington, Seattle, Washington.
 Taught HSERV 533 (COPHP Quantitative methods – 6 hours)
 Department of Health Systems and Population Health
Teaching Assistant, Department of Epidemiology
 EPI 221 – Maternal and child health epidemiology (5 Credit)
 EPI 360 – Exploring the HIV/AIDS pandemic (5 Credit).
- 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

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
 PHBI 551 – Biostatistics I, 4 credit
 PHRS 671 – Research Methodology, 3 credit
 ComH 221 – Introduction to Epidemiology, 3 credit
 ComH 122 – Introduction to Biostatistics, 4 credit
 ComH 224 – Research Methodology, 2 credit

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
 ComH 122 – Introduction to Biostatistics, 4 credit
 ComH 224 – Research Methodology, 2 credit
 ComH 223 – Health Service Management, 3 credit
 ComH 101 – Introduction to Public Health, 1 credit

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
 ComH 122 – Introduction to Biostatistics, 4 credit
 ComH 221 – Introduction to Epidemiology, 3 credit

MENTORING EXPERIENCE: MEKELLE UNIVERSITY

Dates	Name	Program	Outcome
2011-2012	Ashenaf Tadele Ayele	Master in Biostatistics and Health Informatics	Published
2011-2022	Luel Gebremedhin Gebrekristos	Master in Biostatistics and Health Informatics	
2012-2013	Assefa Ayalew Gebreselassie	Master of Public Health in Reproductive health	Published
2013-2014	Berhe Maldey	Master of Public Health in Nutrition	
2013-2014	Ergib Mekbib Hailemariam	Master of Public Health in Nutrition	
2013-2014	Nigus Gebremedhin Asefa	Master of Public Health	Published
2013-2014	Mengesha Dirar	Master of Public Health in Nutrition	
2013-2014	Kesete Berhane	Master of Public Health in Nutrition	Published
2013-2014	Saba Abraham	Master of Public Health in Nutrition	Published
2013-2014	Abraham Getachew	Master in Common Tropical Dermatology and Public Health Importance	Published
2014-2015	Hagos Amare	Master of Public Health	
2014-2015	Hiaw Haileselassie Nerayo	Master of Public Health in Nutrition	
2014-2015	Mitswat Mulaw	Master of Public Health in Nutrition	

PUBLICATIONS (formerly Shumey)

1. **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.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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

MANUSCRIPTS IN PREPARATION (Cherkos AS):

1. **Cherkos AS**, LaCourse SM, Enquobahrie DA et al. (to be submitted) Effect of pregnancy versus postpartum maternal isoniazid preventive therapy on infant growth in HIV-exposed uninfected infants.
2. **Cherkos AS**, LaCourse SM, Enquobahrie DA et al. (in preparation) Impact of infant IPT on the rate of growth and growth faltering of HEU infants using data from an RCT of IPT among HEU.
3. **Cherkos AS**, LaCourse SM, Enquobahrie DA et al. (in preparation) Effect of TB-HIV co-treatment on the prognosis (viral load, immune reconstitution, and growth).
4. **Cherkos AS**, Vander Stoep A, Enquobahrie D, McCauley E, and Rhew I. (In preparation) Use of Marginal Structural Models to Examine the Bidirectional Association between Depression and Excess Body Weight.
5. **Cherkos AS**, Mulugeta A, Godefay H. (In preparation) Impact of Husband Involvement in House-to-House Health Education on ameliorating antenatal care and birth-preparedness: A Three Arms Cluster Randomized trial.
6. **Cherkos AS**, Mulugeta A, Godefay H. (In preparation) Impact of Husband Involvement in House-to-House Health Education on ameliorating institutional delivery: A Three Arms Cluster Randomized trial.
7. **Cherkos AS**, Marcinkevage J, Susmitha Nambuthiri, Enquobahrie D. (In preparation). Association of Adverse Childhood Experiences and Household food insecurity in Washington State.
8. **Cherkos AS**, Enquobahrie D. (In preparation). 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:

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| 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:

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

2013-2016 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.

FELLOWSHIPS AND PROFESSIONAL TRAINING:

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.

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, Alcala 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 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:

- 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.
- 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.