

CURRICULUM VITEA

Zebenay Workneh Bitew

(Addis Ababa, Ethiopia)

+251912808923

zedo2015@gmail.com / zebenay.workneh@sphmmc.edu.et

A. EDUCATION & EMPLOYMENT

Education

University of Gondar, Gondar, Ethiopia 2007-2010
Bachelor of Science in Nursing

Addis Ababa University, Addis Ababa, Ethiopia 2012-2014
Master of Science in Pediatrics Health Nursing

Wollo University, Dessie, Ethiopia 2014-2015
Higher Diploma in Pedagogy

St. Paul's Hospital Millennium Medical College, Addis Ababa, Ethiopia 2017-2020
Master of Public Health in Nutrition

Employment

Junior Nurse Professional 2010-2011
Haramaya University Specialized University Hospital, Harar, Ethiopia

Instructor as graduate assistant and Lecturer 2011-2015
Wollo University, Dessie, Ethiopia

Department Head of Pediatrics and Child Health Nursing 2015-2017
Wollo University, Dessie, Ethiopia

Instructor as a lecturer in Pediatrics Nursing Department 2017-2018
St. Paul's Hospital Millennium Medical College, Addis Ababa, Ethiopia

Department Head of Pediatric Nursing 2018 to 2020
St. Paul's Hospital Millennium Medical College, Addis Ababa, Ethiopia

Assistant Professor since July/2020
St. Paul's Hospital Millennium Medical College, Addis Ababa, Ethiopia

B. AWARDS

Academic rank of Assistant Professor in July 2020 G.C

C. REFEREED JOURNAL ARTICLES

1. Ayele EG, **Bitew ZW**, Assefa KT, Tura TG, Mezemir R. A Five Years Retrospective Study on Etiology and Clinical Analysis of Meningitis in St. Paul's Hospital Millennium Medical College Pediatric Ward from 2012-2016. International Journal of TROPICAL DISEASE & Health. 2019:1-13.
[DOI:10.9734/IJTDH/2019/v36i430147](https://doi.org/10.9734/IJTDH/2019/v36i430147)
2. Alebel A, Wagnew F, Petrucka P, Tesema C, Moges NA, Ketema DB, et al. Neonatal mortality in the neonatal intensive care unit of Debre Markos referral hospital, Northwest Ethiopia: a prospective cohort study. BMC pediatrics. 2020;20(1):1-11. [DOI: https://doi.org/10.1186/s12887-020-1963-z](https://doi.org/10.1186/s12887-020-1963-z)

3. Alemu A, Yesuf A, Zerihun B, Getu M, Worku T, **Bitew ZW**. Incidence and determinants of tuberculosis among HIV-positive individuals in Addis Ababa, Ethiopia: A retrospective cohort study. *International Journal of Infectious Diseases*. 2020;95:59-66. <https://doi.org/10.1016/j.ijid.2020.02.053>
4. Alebel A, Kibret GD, Petrucka P, Tesema C, Moges NA, Wagnew F, et al. Undernutrition among Ethiopian adults living with HIV: a meta-analysis. *BMC nutrition*. 2020;6(1):1-10. DOI: <https://doi.org/10.1186/s40795-020-00334-x>
5. EL-SHERBINY, Y. 2020. Mapping local patterns of childhood overweight and wasting in low-and middle-income countries between 2000 and 2017. *Nature Medicine*. (189; *Zebenay Workneh Bitew*). doi: [10.1038/s41591-020-0807-6](https://doi.org/10.1038/s41591-020-0807-6)
6. Alemu A, Yesuf A, Gebrehanna E, Zerihun B, Getu M, Worku T, et al. Incidence and predictors of extrapulmonary tuberculosis among people living with Human Immunodeficiency Virus in Addis Ababa, Ethiopia: A retrospective cohort study. *PloS one*. 2020;15(5): <https://doi.org/10.1371/journal.pone.0232426>
7. **Bitew ZW**, Alemu A, Worku T. Treatment outcomes of severe acute malnutrition and Predictors of Recovery in Under-Five children treated within Outpatient Therapeutic Program in Ethiopia: A systematic review and meta-analysis. *BMC Pediatrics*. 2020. DOI: <https://doi.org/10.1186/s12887-020-02188-5>
8. **Bitew ZW**, Alebel A, Worku T, Alemu A. Recovery rate and its predictors among children with severe acute malnutrition in Addis Ababa, Ethiopia: A retrospective cohort study. *PloS one*. 2020;15(7): <https://doi.org/10.1371/journal.pone.0235259>
9. **Bitew ZW**, Worku T, Alebel A, Alemu A. Magnitude and Associated Factors of Neural Tube Defects in Ethiopia: A Systematic Review and Meta-Analysis. *Global Pediatric Health*. 2020;7:2333794X20939423.
10. Ayigezn H, Wolde T, Geleta D, Haile K, Alemu A, **Bitew ZW**. Adequately Iodized Salt and Associated Factors at Household Level in Kolfe keraniyo Sub-city, Addis Ababa, Ethiopia. *Journal of Food and Nutrition Sciences*. 2020;8(2):30-6. doi: [10.11648/j.jfns.20200802.12](https://doi.org/10.11648/j.jfns.20200802.12)
11. Alemu A, **Bitew ZW**, Worku T. Intestinal parasites co-infection among tuberculosis patients in Ethiopia: a systematic review and meta-analysis. *BMC infectious diseases*. 2020;20(1):1-10. DOI: <https://doi.org/10.1186/s12879-020-05237-7>
12. Alemu A, **Bitew ZW**, Worku T. Poor treatment outcome and its predictors among drug-resistant tuberculosis patients in Ethiopia: A Systematic Review and Meta-analysis. *International Journal of Infectious Diseases*. 2020. doi: [10.1016/j.ijid.2020.05.087](https://doi.org/10.1016/j.ijid.2020.05.087)
13. Habte MH, Hailemariam HA, **Bitew ZW**, Seid SJ, Kassa RN. Timely Initiation of Breastfeeding and Associated Factors among Mothers of Infants Attending pediatric Department at Yekatit12 Hospital Medical College Addis Ababa Ethiopia 2019G. *C. EC Nutrition*. 2020;15:13-22. DOI: [10.7176/JMPB/68-02](https://doi.org/10.7176/JMPB/68-02)
14. Alebel A, Engeda EH, Kelkay MM, Petrucka P, Kibret GD, Wagnew F, et al. Mortality rate among HIV-positive children on ART in Northwest Ethiopia: a historical cohort study. *BMC public health*. 2020;20(1):1-11. DOI: <https://doi.org/10.1186/s12889-020-09418-6>
15. **Bitew ZW**, Alemu A, Ayele EG, Jember DA, Haile MT, Worku T: Incidence Density Rate of Neonatal Mortality and Predictors in Sub-Saharan Africa: A Systematic Review and Meta-Analysis. *International journal of pediatrics*, 2020. <https://doi.org/10.1155/2020/3894026>
16. **Bitew ZW**, Alemu A, Ayele EG, Tenaw Z, Alebel A, Worku T: Metabolic Syndrome Among Children and Adolescents in Low and Middle Income Countries: A Systematic Review and Meta-analysis. *Diabetology & Metabolic Syndrome*, 2020. DOI <https://doi.org/10.1186/s13098-020-00601-8>
17. **Bitew ZW**, Worku T, Alemu A. Effects of vitamin D on neonatal sepsis: A systematic review and meta-analysis. *Wiley, Food science & nutrition*, 2020 ; 8 (2). Doi: <https://doi.org/10.1002/fsn3.2003>
18. edu LBoDHClu. Mapping subnational HIV mortality in six Latin American countries with incomplete vital registration systems. *BMC medicine*. 2021;19:1-25. DOI: <https://doi.org/10.1186/s12916-020-01876-4>
19. **Bitew ZW**, Alemu A, Ayele EG, Worku T. Dietary diversity and practice of pregnant and lactating women in Ethiopia: A systematic review and meta- analysis. *Food science & nutrition*. 2021;9(5):2686-702. doi: [10.1002/fsn3.2228](https://doi.org/10.1002/fsn3.2228)
20. **Bitew ZW**, Alemu A, Tenaw Z, Alebel A, Worku T, Ayele EG. Prevalence of Metabolic Syndrome among Children and Adolescents in High-Income Countries: A Systematic Review and Meta-Analysis of Observational Studies. *BioMed research international*. 2021;2021.<https://doi.org/10.1155/2021/6661457>
21. Sartorius B, VanderHeide JD, Yang M, Goosmann EA, Hon J, Haeuser E, et al. Subnational mapping of HIV incidence and mortality among individuals aged 15–49 years in sub-Saharan Africa, 2000–18: a modelling study. *The Lancet HIV*. 2021;8(6):e363-e75. doi:[10.1016/S2352-3018\(21\)00051-5](https://doi.org/10.1016/S2352-3018(21)00051-5)

22. Bhattacharjee NV, Schaeffer LE, Hay SI. Mapping inequalities in exclusive breastfeeding in low-and middle-income countries, 2000–2018. *Nature human behaviour*. 2021;1-19. DOI: <https://doi.org/10.1038/s41562-021-01108-6>
23. Kebede MA, Demissie DB, Guddu DK, Haile MT, **Bitew ZW**, Muleta MB. Emotional responses and perceived stressors of frontline medical staffs in case of COVID-19 treatment centers and obstetrics emergency in Ethiopia. *BMC psychiatry*. 2021;21(1):1-10. DOI: <https://doi.org/10.1186/s12888-021-03311-1>
24. Alemu A, **Bitew ZW**, Worku T, Gamtesa DF, Alebel A (2021) Predictors of mortality in patients with drug-resistant tuberculosis: A systematic review and meta-analysis. *PLoS ONE* 16(6): e0253848. <https://doi.org/10.1371/journal.pone.0253848>
25. Demissie DB, **Bitew ZW**. Mental health effect of COVID-19 pandemic among women who are pregnant and/or lactating: A systematic review and meta-analysis. *SAGE Open Medicine*. 2021;9:<https://doi.org/10.1177/20503121211026195>
26. Tsegaye T, Gishu T, Habte MH, **Bitew ZW**. Recovery Rate and Predictors Among Patients with Acute Coronary Syndrome in Addis Ababa, Ethiopia: A Retrospective Cohort Study. *Research Reports in Clinical Cardiology*. 2021;12:9-21: <https://doi.org/10.2147/RRCC.S307151>
27. Zelalem T, Melese S, Berhan T, Tehsale BW, and **Bitew ZW**. Health Professionals Job Satisfaction and Associated Factors in Ethiopia: A Systematic Review and Meta-analysis. *Health Services Research and Managerial Epidemiology*. 2021; 8: 1-12. DOI: [10.1177/23333928211046484](https://doi.org/10.1177/23333928211046484)
28. Alemu A, **Bitew ZW**, Diriba G, Gumi B. Co-occurrence of tuberculosis and Diabetic Mellitus and the associated risk factors in Ethiopia: A Systematic Review and Meta-analysis. *IJID Regions*. 2021; 1: 82-91. <https://doi.org/10.1016/j.ijregi.2021.10.004>
29. Alemu A, **Bitew ZW**, Diriba G, Gumi B. Risk factors associated with drug-resistant tuberculosis in Ethiopia: A systematic review and meta-analysis. *Transboundary and emerging diseases*. 2021;68 (5). <https://doi.org/10.1111/tbed.14378>
30. Alemu A, **Bitew ZW**, Yesuf A, et al. The Effect of Long-Term HAART on the Incidence of Tuberculosis Among People Living with HIV in Addis Ababa, Ethiopia: A Matched Nested Case–Control Study. *Infection and drug resistance* 2021;Volume 14:5189-98. doi: [10.2147/idr.s345080](https://doi.org/10.2147/idr.s345080)
31. **Bitew ZW**, Ayele EG, Worku T, Alebel A, Alemu A, Worku F, et al. Determinants of mortality among under-five children admitted with severe acute malnutrition in Addis Ababa, Ethiopia. *Nutrition journal*. 2021;20(1):94. <https://doi.org/10.1186/s12937-021-00750-0>
32. **Bitew ZW**, Demissie DB, Kenayi D, Haile MT, Kebede MA, Mahteme B, Abraham F, and Teshale B. Depression and associated factors in the era of COVID 19 among frontline health care workers in Addis Ababa, Ethiopia: A comparative cross sectional study. *Ethiopian Journal of Public Health and Nutrition (EJPHN)*. 5 (1). 2022.

D. CONFERENCE PRESENTATIONS

1. **Zebenay Workneh Bitew**, Dereje Bayissa Demissie, Dessalegn Kenayi, Michael Temane Haile, Mebratu Abraha Kebede, Mahteme Bekele, Abraham Fissehaye. Depression and associated factors in the era of COVID 19 among front line health care workers in gynaecology and obstetrics units of St. Paul’s Hospital Millennium Medical College, Addis Ababa, Ethiopia. 2nd National symposium on Reproductive Health with the theme of “Reproductive Health Care Provision in the Era of COVID-19: Challenges and Mitigation Strategies” from November 13-14/2020 G.C.

E. GRANTS

Current Research Project

1. Feeding practice and nutritional status of HIV exposed infants in Addis Ababa, Ethiopia (a 2 year project) with a total cost of 80, 000 ETB (2280\$), funded by St. Paul’s Hospital Millennium Medical College, Addis Ababa, Ethiopia : **Principal investigator**
2. The psychosocial impact of COVID-19 among front line health workers in Addis Ababa (1 year project) with a total cost of 150,000 ETB (4285\$), funded by St. Paul’s Hospital Millennium Medical College, Addis Ababa, Ethiopia: **Co-investigator**

F. TEACHING AND ADVISING

1.Instructional Summary

Course Name	Term Taught	Number of Students
Public health nutrition	2021	66
Nutrition Intervention	2020	47
Research Methodology	2019	40
Human Nutrition	2018-2019	100
Pediatric Nursing	2012-2020	>500
Epidemiology	2018	45
Nursing Health Assessment	2017-2018	65
Community Health Nursing	2018	46
Neonatology	2020	22

2. Student Advisory **2014 till now** **>100 under and postgraduate students**

G. SOFTWARE SKILL/OPERATING SYSTEM

I am very familiar with R, STATA, EPI Info and SPSS software packages.

H. SERVICE

Department, College, and University Services

1. Worked as a department head of Pediatrics and child health Nursing and still am working as a head of the department
2. Member of Academic Committee of college of medicine and health science, Wollo University, Ethiopia from 2015 to 2017
3. Organized different national trainings in Wollo University, Ethiopia from 2014 to 2017
4. Participated in the development national curricula such as pediatrics and child health nursing as well as neonatal nursing curricula
5. Developed and administered National Licensure Examination for Nursing, Federal Minister of Health, Ethiopia 2018-2020.

Services to profession (Professional memberships)

1. Member, Ethiopian Public Health Association, 2017 –Present
2. Member, Ethiopian Nurses Association, 2014- Present
3. Member of food and nutrition society of Ethiopia (FoNSE), 2018-Present
4. Member of CPD panel of experts in Ethiopian Nurses Association, since 2020

Community Services

1. I have been involved in different community services that has been conducted in different periods both in Wollo University and St. Paul's Hospital Millennium Medical College, Ethiopia, since 2014 up to now.

I. TRAININGS AND CERTIFICIATIONS

1. Training in **clinical trail** given by Michigan school of public health in collaboration with St. Paul's Hospital Millennium Medical College , January 2020.
2. Training in **logistic regression** given by Michigan school of public health in collaboration with St. Paul's Hospital Millennium Medical College , January 2020.
3. Training in **systematic review** by Norwegian Institute of Public Health in collaboration with St. Paul's Hospital Millennium Medical College, September 2019
4. Training in **undertaking research in a clinical setting** by Medical University of South Carolina (USC) in collaboration with St. Paul's Hospital Millennium Medical College, June 2017.
5. Training in **scientific writing and statistical analysis** by Wollo University, Ethiopia, December, 2016.

6. Training in **scientific manuscript writing skills** by Ethiopia Medical Association in collaboration with Wollo University, Ethiopia, August 2014.
7. Training in **Nutrition Epidemiology** by Addis Continental Institute of Public Health in collaboration with Harvard University, School of Public Health, April 2021.

J. REFERENCES

1. Dr. Dereje Bayissa Demissie (BSc, MSc, PHD, Associate Professor of Reproductive Health)
Director: Nursing Education Directorate, St. Paul's Hospital Millennium Medical College
Mobile: +251944326500
Email: dereje.bayissa@sphmmc.edu.et
2. Animut Alebel (BSc, MSc, PHD Fellow in University of Technology Sydney, Australia)
Mobile: +61-4-5141 3752
Email: animut.a23@gmail.com
3. Teshager Worku Kassie (BSc, MSc, Assistant Professor of Adult Health Nursing)
Editorial Manager of East African Journal of Health and Biomedical Sciences (<http://ejol.aau.edu.et/index.php/EAJHBS/about/contact>), Haramaya University, Ethiopia
Chief executive officer of Ethiopian Nurses Association (ENA), Ethiopia.
Mobile: +251921843288
Email: teshager.kassie@gmail.com