

MIKIYAS BIRHANU EJIGU (MD)

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A passionate medical doctor and public health advocate. Works with an empathetic and professional attitude to provide the best care possible, including counseling patients on preventive care and healthy lifestyle changes. Possess valuable experience in leadership and in coordinating different health-related tasks. Aspires to become a public health expert and provide better healthcare services, especially for underserved populations, at both local and global level.

EDUCATION

Bahir Dar University, College of Medicine and Health Sciences, Bahir Dar, Ethiopia

**October 2014-
May 2021**

- Doctor of Medicine (MD)

PROFESSIONAL EXPERIENCE

Lecturer and General Practitioner

**May 2022-
Current**

Debre Tabor University, Debre Tabor, Ethiopia

- Working in the Department of Gynecology and Obstetrics.
 - Organize and conduct teaching activities.
 - Mentor and advise 10 students on a weekly basis.
 - Monitor and assess the overall performance of 10 to 15 medical interns per week.
 - Developed and implemented a practical teaching platform called "Home Visit for a Student (HVS)". In this program, students go to a certain house in the community and identify any public health problem, propose an action plan, and collaborate to resolve it with the assistance of their supervisor. It is also a good opportunity to implement different public health initiatives in the community.
- Provide community service at Debre Tabor Comprehensive Specialized Hospital (DTCSH) as a general practitioner in the Department of Gynecology and Obstetrics.
 - Provide antenatal care for 20 to 30 pregnant mothers per day to have a safe and uncomplicated pregnancy and delivery process.
 - Deliver medical care for an average of 30 to 40 patients daily, focusing on gynecologic and obstetric diseases.
 - Consult intern physicians, midwives, and nurses about patients.
 - Designed and implemented a public health initiative aimed at enhancing mainly children and women's health in the community by arranging campaigns and outreach programs in collaboration with DTCSH.
 - Provide health education on common diseases such as pregnancy related complications, cervical cancer, breast cancer, malnutrition, malaria, pneumonia, HIV/AIDS, STIs.

- Organize and provide self-breast cancer screening training campaigns; so far, the training is provided for 800 women.
- Screen and vaccinate women for cervical cancer. Over 2700 women have received this service thus far.
- Coordinate diabetes mellitus and hypertension screening campaigns. So far, this service has been provided to more than 3000 people.
- Provide malnutrition screening, vaccination service, and deworming and vitamin A supplementation for under five children. So far, this service has been given to over 4000 children.

General Practitioner

**April 2022-
May 2022**

Debre Markos Comprehensive Specialized Hospital, Debre Markos, Ethiopia

- Worked in the Department of Surgery, by diagnosing and managing 30 to 40 patients on average day through surgical procedures and using medical treatment options.
- Consulted, monitored, and assessed 10 to 15 intern physicians per week in their clinical practice.
- Provided health promotion and disease prevention services through health education which was held every monday and wednesday morning at patient waiting areas.

**December 2021-
April 2022**

Team Leader and General Practitioner

Amhara Regional State Health Bureau and UNICEF, North Wollo Zone, Ethiopia

- Employed by the Amhara Region Health Bureau to work in a Mobile Health and Nutrition Team (MHNT), which was designed, funded, and supervised by UNICEF, to help a community that was most affected by the war in the northern part of my country.
- Worked as a general practitioner as well as a team leader of 20 health professionals in the MHNT.
 - Planned, coordinated, and supervised projects and the overall activities of my team.
 - Allocated and monitored medical supplies, equipment, and documents.
 - Prepared and sent detailed weekly reports to the Amhara Region Health Bureau and UNICEF.
 - Provided clinical care for 60 to 70 patients on average days, and supervised other clinicians' services.
- Provided the following services:
 - Led the initiative to reopen three health centers that were closed due to the war and made basic health services resume.
 - Gave labor and delivery services to 176 mothers.
 - Screened 700 to 1200 children per week for malnutrition.

- Arranged catch-up vaccination programs for under-five children who missed it due to the war and vaccinated more than 6000 children.
- Provided deworming and vitamin A supplementation for over 5000 children.
- Organized and provided training for health professionals who were involved in the COVID-19 vaccination campaign. Vaccinated over 4500 people against COVID-19 through this effort.
- Created access for patients with chronic diseases to continue their medical follow-up.
- Counseled and treated 45 sexual assault victims.
- Provided mental health screening and gave treatment for over 130 patients, who were predisposed to psychiatric disorders mainly due to the war.

General Practitioner

**August 2021-
December 2021**

Felege Hiwot Comprehensive Specialized Hospital, Bahir Dar, Ethiopia

- Worked as a volunteer, including in night shift programs as part of a managing team for war casualties.
 - Worked in the outpatient and emergency departments and managed 50 to 60 patients on an average day.
 - Provided first-aid services and triaged patients.
 - Counseled and treated more than 50 psychiatric patients who developed mental health problems as a result of the war.
 - Provided post-exposure prophylaxis and contraception for 10 sexual assault victims.

Intern Physician

**May 2020-May
2021**

Tibebe Ghion Specialized Hospital, Bahir Dar University, Bahir Dar, Ethiopia

- Worked in rotation in 4 departments: Gynecology and Obstetrics, Pediatrics and Child Health, Internal Medicine, and Surgery.
 - Clerked, investigated, diagnosed, and managed 20 to 30 patients on an average day under the supervision of senior physicians.
 - Promoted healthy lifestyles and healthy communities through health education, outreach programs, and involvement in different health promotion campaigns.
 - Participated in COVID-19 screening, treatment, and vaccination activities.
- Worked as a representative of the interns.
 - Coordinated various tasks and activities, such as assigning interns to different wards, including the COVID-19 treatment center.
 - Prepared night shift schedules.
 - Resolved work-related problems of interns through discussions with lecturers and administrative staff.

RESEARCH EXPERIENCE

Published

October 2022

- Sileshi R, Kebede E, Jemaneh B, Kassa B, **Berhanu M**, Lulseged B. Clinical Features and Treatment Outcome of Patients with Acute Coronary Syndrome Admitted to SPHMMC, Addis Ababa: A 3 Years Retrospective Study.
 - <https://www.researchgate.net/publication/365249680>

Under Manuscript Preparation

- Sleep quality, glycemic control, and associated factors among adult diabetes mellitus patients in North-Shoa Zone government hospitals.
- Perioperative Outcome and Its Determinants among Patients with Ileosigmoid Knotting in Debre Tabor Comprehensive Specialized Hospital: A Two-Year Retrospective Cross-Sectional Study.

Malaria Abatement Through Empowerment (MATE), Amhara Region, Ethiopia

February 2023-
Current

- Title: preliminary survey to determine baseline data of mosquito vector breeding site, load, and species identification in Libokemkem Woreda (district), South Gondar Zone, Amhara, Ethiopia.
 - Wrote proposal.
 - Take part in the field visits to identify mosquito breeding sites and by data collection.
 - Trained other data collectors and ensured continuous data collection.

Bahir Dar University School of Public Health, Bahir Dar, Ethiopia

May 2019- June
2019

- Prevalence of pneumonia and associated factors among children 2 to 59 months of age at selected health centers, Bahir Dar, Ethiopia.
 - Submitted to Bahir Dar University School of Public Health.

LEADERSHIP EXPERIENCE

Department Head of Gynecology and Obstetrics

May 2023-
Current

Debre Tabor University, Debre Tabor, Ethiopia

- Supervising and monitoring 32 staff members and more than 200 students in the department.
- Conducting regular performance evaluations for staff and students within the department.
- Scheduling different teaching activities.
- Involve in revising teaching programs, materials, and curriculum.

- Implementing and monitoring quality assurance programs to maintain and enhance clinical standards.
- Collaborating with other department heads and administrators to foster interdisciplinary cooperation and enhance the overall functioning of the medical school.

Team Leader

**December 2021-
April 2022**

North Wollo Zone, Ethiopia

- Worked as a team leader of health professionals in a Mobile Health and Nutrition Team (MHNT) which was established to provide essential health and nutrition services to war-affected areas and host communities.

Class Representative

**March 2018-
May 2021**

Bahir Dar University, Bahir Dar, Ethiopia

- Worked as a class representative for a total of three years, including an internship at Bahir Dar University.

HONORS AND AWARDS

Certificate of Appreciation

June 2022

Family Guidance Association of Ethiopia (FGAE), Bahir Dar, Ethiopia

- Awarded this certificate of recognition for my commitment to community health through family planning and reproductive health services I provide as a lifelong member of the Family Guidance Association of Ethiopia.

Certificate of Appreciation

April 2022

Amhara Regional Health Bureau, Bahir Dar, Ethiopia

- Awarded this certificate for my outstanding leadership and exceptional contribution to the successful restoration of healthcare services as a general practitioner and as a team leader of the Mobile Health and Nutrition Team in conflict-affected areas of the Amhara Region.

Best Intern of the Year Award

May 2021

Bahir Dar University, College of Medicine and Health Sciences

- Awarded this certificate for my distinguished achievements during my one-year internship practice at Tibebe Ghion Specialized Hospital.

TRAINING AND CERTIFICATES

- **Leadership and Program Management in Infection Prevention and Control (IPC)** November 2021
 - Online Course- World Health Organization (WHO)
 - <https://openwho.org/courses/IPC-leadership-EN>
- **Clinical Management of Patients with COVID-19: Investigations and Care for Mild, Moderate, and Severe Disease** November 2021
 - Online Course- World Health Organization (WHO)
 - [Clinical management of patients with COVID-19: Investigations and care \(openwho.org\)](https://openwho.org/courses/clinical-management-of-patients-with-covid-19)
- **Antimicrobial Resistance and Infection Prevention and Control** December 2022
 - Online Course- World Health Organization (WHO)
 - <https://openwho.org/courses/IPC-AMR-EN>
- **Effective Communication for Healthy Outcomes** December 2022
 - Online Course- Young African Leaders Initiative (YALI) Network
 - <https://yali.state.gov/courses/course-1281#/lesson/global-health-security-and-you>
- **Management Strategies for People and Resources** December 2022
 - Online Course- Young African Leaders Initiative (YALI) Network
 - [https://yali.state.gov/courses/course-887#/lesson/leading-people-and-change-yali5 / 6](https://yali.state.gov/courses/course-887#/lesson/leading-people-and-change-yali5/6)
- **Fundamentals of Grant Writing** December 2022
 - Online Course- Young African Leaders Initiative (YALI) Network
 - <https://yali.state.gov/courses/course-2052#/>

PROJECTS

Malaria Abatement Through Empowerment (MATE), Amhara Region, Ethiopia February 2023- Current

- Collaborating with a team of professionals, including entomologists, on MATE project which is designed to study the mosquito breeding site, load, and species identification in two woredas (districts) in the Amhara Region, Libokemkem Woreda (district) and Baso Liben Woreda (district), which are the most malaria-endemic areas in the region.

- The study result will be used to determine the annual burden of the vector, analyze data to understand seasonal variations, and strategize interventions required to eliminate mosquitoes and reduce malaria prevalence.
- Collaborating with the Yotor Farmers Association, a key partner in the project. The association has pledged support by providing mosquito nets and tractors. These resources will be utilized to prevent mosquito bites and drain mosquito breeding pools and ponds, respectively.
- Enhancing the productivity of local residents, primarily farmers, thereby improving their living standards and economic resilience in the fight against malaria.

Smart Hospital Management System (SHMS) for Debre Tabor Comprehensive Specialized Hospital, Debre Tabor, Ethiopia

**January 2023-
Current**

- Co-developed a Smart Hospital Management System (SHMS) which effectively replaced the cumbersome paperwork traditionally used in hospitals, providing a seamless solution for documenting patient and staff profiles.
- Implemented SHMS at Debre Tabor Comprehensive Specialized Hospital.
- Improved management efficiency within the hospital.
- Avoids delay in service provision especially for emergency patients.
- Allowed the redirection of funds previously allocated for the paper-based system to other expenses like medications.

VOLUNTEER ACTIVITIES

Amhara Public Health Institute (APHI), Bahir Dar, Ethiopia

**January 2023-
Current**

- Member of the Amhara Regional State Public Health Institute, volunteer's division.
 - Involve in public health emergency preparedness, management, and control.
 - Engage in data collection and analysis activities that are used by both the regional as well as the national public health institutes.
 - Involved in a cholera outbreak that occurred in North Gondar Zone in June 2023. Involved as a team leader in controlling the disease and educating the host community on the methods of cholera prevention for a total of 10 days.

Red Cross Society of Ethiopia, Bahir Dar, Ethiopia

**August 2022-
Current**

- A lifelong member of the Red Cross Society of Ethiopia.
 - Give first aid to casualties.
 - Collect money, food, and clothing for people affected by both man-made and natural disasters like war, drought, and flooding.
 - Participate in coordinating blood donation campaigns and by donating blood myself.
 - Gave first aid service training for 600 interested individuals.

- Organized and provided awareness-creation programs on common psychiatric problems for nearly 800 people.

Family Guidance Association of Ethiopia (FGAE), Bahir Dar, Ethiopia

**September
2021- Current**

- A lifelong member of the Family Guidance Association of Ethiopia.
 - Train health professionals on comprehensive abortion care services. So far, provided this training to 300 professionals.
 - Promoting health and preventing disease by creating awareness about pregnancy-related complications and the importance of pregnancy follow-up.
 - Sexual and reproductive health services, including family planning services for 2 hours per week, at the FGAE clinics.

**September
2019- May 2021**

Social Duty Program, Bahir Dar, Ethiopia

- Served in this volunteer program at Bahir Dar University, which was organized by the Ethiopian Medical Students Association (EMSA).
 - Helped patients and their attendants get fast and uncomplicated care during their stay at the healthcare facility.

Club 2/12, Bahir Dar, Ethiopia

**June 2018- May
2021**

- Served as a member of Club 2/12 at Bahir Dar University.
 - Prepared awareness-creation programs for the public about blood donation.
 - Organized and participated in many blood donation campaigns.

COMPUTER SKILLS

- Microsoft Suite: MS Word, MS PowerPoint, Excel, Access
- SPSS, STATA, EpiData, Epi info, GIS

LANGUAGE PROFICIENCY

- Amharic: Native proficiency
- English: Professional competency (IELTS Overall Band Score- 7)

PROFESSIONAL ASSOCIATION

- Amhara Public Health Institute (APHI)
- Young African Leaders Initiative (YALI) Network Member

**January 2023-
Current**

**December 2022-
current**

- Red Cross Society of Ethiopia
- Family Guidance Association of Ethiopia (FGAE)

**August 2022-
Current**

**September
2021- Current**

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