

# MIKIYAS BIRHANU EJIGU (MD)

Bahir Dar, Ethiopia

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**ABOUT ME**: 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. I have valuable experience in leadership and in coordinating different health-related tasks. I aspire 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**

- Doctor of Medicine (MD)

**October 2014-May 2021**

## PROFESSIONAL EXPERIENCE

**Lecturer and General Practitioner**

**May 2022-Current**

**Debre Tabor University, Debre Tabor, Ethiopia**

- Working in the Department of Gynecology and Obstetrics. Main responsibilities:
  - Organize and conduct teaching activities.
  - Mentor and advise 10 to 15 students on a weekly basis.
  - Created a practical teaching session called "Home Visit for a Student". 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 a golden opportunity to implement different public health initiatives in the community.
- Provide community service at Debre Tabor Comprehensive Specialized Hospital as a general practitioner in the Department of Gynecology and Obstetrics. Main responsibilities:
  - Consult intern physicians, midwives, and nurses about patients.
  - Provide antenatal care for 40 to 50 pregnant mothers per day to have a safe and uncomplicated pregnancy and delivery process.
  - Provide health education and consulting services about family planning options, safe sexual and reproductive health practices, and about diseases that have high morbidity and mortality rates, like cervical cancer, HIV/ AIDS, malaria, diabetes mellitus, hypertension, and breast cancer.
  - Organize and provide self-breast cancer screening training; so far, the training is provided for 1600 women.

<ul style="list-style-type: none"> <li>• Coordinate a diabetes mellitus, hypertension, and cervical cancer screening campaign, which is held every two to four weeks in Debre Tabor City. So far, this service is provided for more than 3000 people.</li> </ul>	
<b>General Practitioner</b>	<b>April 2022- May 2022</b>
<b>Debre Markos Comprehensive Specialized Hospital, Debre Markos, Ethiopia</b> <ul style="list-style-type: none"> <li>• 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.</li> <li>• Coached 15 to 20 intern physicians per week when they encounter patients who had an unusual or complicated presentation and in deciding their subsequent management plans.</li> <li>• Provided health promotion services.</li> </ul>	
<b>Team Leader and General Practitioner</b>	<b>December 2021- April 2022</b>
<b>Amhara Regional State Health Bureau and UNICEF, North Wollo Zone, Ethiopia</b> <ul style="list-style-type: none"> <li>• 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 a war in the northern part of my country.</li> <li>• Worked as a general practitioner as well as a team leader of 20 health professionals in the MHNT. Main responsibilities: <ul style="list-style-type: none"> <li>➤ Planned, coordinated, and supervised projects and the overall activities of my team.</li> <li>➤ Allocated and monitored medical supplies, equipment, and documents.</li> <li>➤ Prepared and sent detailed weekly reports to the Amhara Region Health Bureau and UNICEF.</li> <li>➤ Provided patient diagnosis, treatment, and screening services at health centers and supervised other clinicians' services.</li> </ul> </li> <li>• By making Sanka Health Center our base, the following services were provided: <ul style="list-style-type: none"> <li>➤ Reopened three other health centers that were closed due to the war and made basic health services resume.</li> <li>➤ Gave labor and delivery services to 176 mothers.</li> <li>➤ Screened 700 to 1200 children per week for malnutrition.</li> <li>➤ Arranged catch-up vaccination programs for under-five children who missed it due to the war and vaccinated more than 6000 children.</li> <li>➤ Organized and provided training for health professionals who were involved in the COVID-19 vaccination campaign.</li> <li>➤ Vaccinated over 4500 people against COVID-19.</li> <li>➤ Created access for patients with chronic diseases to continue their medical follow-up.</li> <li>➤ Counseled and treated patients with sexual assault and those who developed psychiatric disorders due to the war.</li> </ul> </li> </ul>	

<b>General Practitioner</b>	<b>August 2021-December 2021</b>
<b>Felege Hiwot Comprehensive Specialized Hospital, Bahir Dar, Ethiopia</b> <ul style="list-style-type: none"> <li>Worked as a volunteer, including in night shift programs as part of a managing team for war casualties. Main Responsibilities: <ul style="list-style-type: none"> <li>➤ Worked in the outpatient and emergency departments and managed 50 to 60 patients on an average day.</li> <li>➤ Provided first-aid services and triaged patients.</li> <li>➤ Counseled, treated, and arranged follow-up treatment plans for psychiatric patients who developed mental health problems as a result of the war.</li> </ul> </li> </ul>	
<b>Intern Physician</b>	<b>May 2020-May 2021</b>
<b>Tibebe Ghion Specialized Hospital, Bahir Dar University, Bahir Dar, Ethiopia</b> <ul style="list-style-type: none"> <li>The internship was the last year of medical school. Worked in rotation in 4 departments: Gynecology and Obstetrics, Pediatrics, Internal Medicine, and Surgery. Main responsibilities: <ul style="list-style-type: none"> <li>➤ Clerked, investigated, diagnosed, and managed 20 to 40 patients on average day under the supervision of senior physicians.</li> <li>➤ Promoted healthy lifestyles and healthy communities through health education, outreach programs, and involvement in different campaigns.</li> <li>➤ Participated in COVID-19 screening, treatment, and vaccination activities.</li> </ul> </li> <li>Worked as a representative of the interns. Main activities: <ul style="list-style-type: none"> <li>➤ Coordinated various tasks and activities, such as assigning interns to different wards, including the COVID-19 treatment center.</li> <li>➤ Prepared night shift schedules.</li> <li>➤ Resolved work-related problems of interns through discussions with lecturers and administrative staff.</li> </ul> </li> </ul>	
<b>RESEARCH EXPERIENCE</b>	
<b>Published</b>	<b>October 2022</b>
<ul style="list-style-type: none"> <li>Sileshi R, Kebede E, Jemaneh B, Kassa B, <b>Berhanu M</b>, Lulseged B. Clinical Features and Treatment Outcome of Patients with Acute Coronary Syndrome Admitted to SPHMMC, Addis Ababa: A 3 Years Retrospective Study <ul style="list-style-type: none"> <li>➤ Link: <a href="http://dx.doi.org/10.56558/journal.ejmscr.1001042">http://dx.doi.org/10.56558/journal.ejmscr.1001042</a></li> </ul> </li> </ul>	

<b>Under Manuscript Preparation</b> <ul style="list-style-type: none"> <li>Sleep quality, glycemic control, and associated factors among adult diabetes mellitus patients in North-Shoa Zone governmental hospitals.</li> <li>Perioperative Outcome and its Determinants among Patients with ileosigmoid knotting in Debre Tabor Comprehensive Specialized Hospital: A two-Year Retrospective Cross-Sectional Study.</li> </ul>	
<b>LEADERSHIP EXPERIENCE</b>	
<b>Department Head of Gynecology and Obstetrics</b> <b>Debre Tabor University, Debre Tabor, Ethiopia</b> <ul style="list-style-type: none"> <li>Working as a Department Head of Gynecology and Obstetrics at Debre Tabor University.</li> <li>Supervising and monitoring 32 staff members and 200 students in the department.</li> <li>Involve in revising teaching programs, materials, and curriculum.</li> </ul>	<b>May 2023-Current</b>
<b>Team Leader</b> <b>North Wollo Zone, Ethiopia</b> <ul style="list-style-type: none"> <li>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.</li> </ul>	<b>December 2021-March 2022</b>
<b>Class Representative</b> <b>Bahir Dar University, Bahir Dar, Ethiopia</b> <ul style="list-style-type: none"> <li>Worked as a class representative for a total of three years, including an internship at Bahir Dar University.</li> </ul>	<b>March 2018- May 2021</b>
<b>HONORS AND AWARDS</b>	
<b>Certificate of Appreciation</b> <b>Family Guidance Association of Ethiopia (FGAE), Bahir Dar, Ethiopia</b> <ul style="list-style-type: none"> <li>Awarded this certificate of recognition for my commitment to the community through family planning and reproductive health services as a lifelong member of the Family Guidance Association of Ethiopia.</li> </ul>	<b>June 2022</b>

<b>Certificate of Appreciation</b>	<b>April 2022</b>
<b>Amhara Regional Health Bureau, Bahir Dar, Ethiopia</b> <ul style="list-style-type: none"> <li>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.</li> </ul>	
<b>Best Intern of the Year Award</b>	<b>May 2021</b>
<b>Bahir Dar University, College of Medicine and Health Sciences</b> <ul style="list-style-type: none"> <li>Awarded this certificate for my distinguished achievements during my one-year internship practice at Tibebe Ghion Specialized Hospital.</li> </ul>	
<b>TRAINING AND CERTIFICATES</b>	
<ul style="list-style-type: none"> <li><b>Leadership and Program Management in Infection Prevention and Control,</b> <ul style="list-style-type: none"> <li>➤ Online Course- World Health Organization (WHO)</li> <li>➤ Link: <a href="https://openwho.org/courses/IPC-AMR-EN">https://openwho.org/courses/IPC-AMR-EN</a></li> </ul> </li> <li><b>Clinical Management of Covid-19</b> <ul style="list-style-type: none"> <li>➤ Online Course- World Health Organization (WHO)</li> <li>➤ Link: <a href="https://openwho.org/courses/IPC-AMR-EN">https://openwho.org/courses/IPC-AMR-EN</a></li> </ul> </li> </ul>	<b>November 2021</b>
<ul style="list-style-type: none"> <li><b>Antimicrobial Resistance</b> <ul style="list-style-type: none"> <li>➤ Online Course- World Health Organization (WHO)</li> <li>➤ Link: <a href="https://openwho.org/courses/IPC-AMR-EN">https://openwho.org/courses/IPC-AMR-EN</a></li> </ul> </li> <li><b>Effective Communication for Healthy Outcomes</b> <ul style="list-style-type: none"> <li>➤ Online Course- Young African Leaders Initiative (YALI) Network</li> <li>➤ Link: <a href="https://yali.state.gov/courses/course-1281#/lesson/global-health-security-and-you">https://yali.state.gov/courses/course-1281#/lesson/global-health-security-and-you</a></li> </ul> </li> <li><b>Management Strategies for People and Resources</b> <ul style="list-style-type: none"> <li>➤ Online Course- Young African Leaders Initiative (YALI) Network</li> <li>➤ Link: <a href="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</a></li> </ul> </li> <li><b>Fundamentals of Grant Writing</b> <ul style="list-style-type: none"> <li>➤ Online Course- Young African Leaders Initiative (YALI) Network</li> <li>➤ Link: <a href="https://yali.state.gov/courses/course-2052#/">https://yali.state.gov/courses/course-2052#/</a></li> </ul> </li> </ul>	<b>December 2022</b>

## PROJECTS

### **Malaria Abatement Through Empowerment (MATE), Fogera Woreda, Ethiopia**

- Currently collaborating with a team of professionals, including entomologists, on a project called MATE. This project is designed to study the mosquito breeding site, load, species identification, and malaria prevalence in Fogera Woreda, Amhara Region, which is one of the most malaria-endemic areas in Ethiopia.
- 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 disease prevalence.
- Study result is anticipated to be instrumental in informing policymakers, researchers, and both governmental and non-governmental organizations about effective malaria control measures in the host community.
- 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.

**February 2023-  
Current**

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

- Co-developed a Smart Hospital Management System (SHMS). This innovative system 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.
- Allowed the redirection of funds previously allocated for the paper-based system to other expenses like medications.

**January 2023-  
Current**

## VOLUNTEER ACTIVITIES

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

- 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.

**January 2023-  
Current**

<ul style="list-style-type: none"> <li>➤ 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.</li> </ul>	
<b>Red Cross Society of Ethiopia, Bahir Dar, Ethiopia</b> <ul style="list-style-type: none"> <li>• A lifelong member of the Red Cross Society of Ethiopia. Main Services are: <ul style="list-style-type: none"> <li>➤ Give first aid to casualties.</li> <li>➤ Collect money, food, and clothing for people affected by both man-made and natural disasters like war, drought, and flooding.</li> <li>➤ Participate in coordinating blood donation campaigns and by donating blood myself.</li> <li>➤ Gave first aid service training for 600 interested individuals.</li> <li>➤ Organized and provided awareness-creation programs on common psychiatric problems for nearly 800 people.</li> </ul> </li> </ul>	<b>August 2022-Current</b>
<b>Family Guidance Association of Ethiopia (FGAE), Bahir Dar, Ethiopia</b> <ul style="list-style-type: none"> <li>• A lifelong member of the Family Guidance Association of Ethiopia. Provide the following services: <ul style="list-style-type: none"> <li>➤ Train health professionals on comprehensive abortion care services. So far, provided this training to 300 professionals</li> <li>➤ Promoting health and preventing disease by creating awareness about pregnancy-related complications and the importance of pregnancy follow-up.</li> <li>➤ Sexual and reproductive health services, including family planning services for 2 hours per week, at the Family Guidance Association Ethiopia clinics.</li> </ul> </li> </ul>	<b>September 2021-Current</b>
<b>Social Duty Program, Bahir Dar, Ethiopia</b> <ul style="list-style-type: none"> <li>• Served in this volunteer program, which was organized by the Ethiopian Medical Students Association (EMSA).</li> <li>• Worked to help patients and their attendants get fast and uncomplicated care during their stay at the healthcare facility.</li> </ul>	<b>September 2019-May 2021</b>
<b>Club 2/12, Bahir Dar, Ethiopia</b> <ul style="list-style-type: none"> <li>• Served as a member of Club 2/12 at Bahir Dar University. <ul style="list-style-type: none"> <li>➤ Prepared awareness-creation programs for the public about blood donation.</li> <li>➤ Organized and participated in many blood donation campaigns.</li> </ul> </li> </ul>	<b>June 2018- May 2021</b>
<b>COMPUTER SKILLS</b>	
<ul style="list-style-type: none"> <li>• Microsoft Suite: MS Word, MS PowerPoint, Excel, Access,</li> <li>• SPSS, STATA, EpiData, Epi info, GIS</li> </ul>	

## **LANGUAGE PROFICIENCY**

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| <ul style="list-style-type: none"><li>• Amharic: Native proficiency</li><li>• English: Professional competency (IELTS Overall Band Score- 7)</li></ul> |  |
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## **PROFESSIONAL ASSOCIATION**

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|--|------------------------------------|
| <ul style="list-style-type: none"><li>• Amhara Public Health Institute (APHI)</li></ul>                  | <b>January 2023-<br/>Current</b>   |
| <ul style="list-style-type: none"><li>• Red Cross Society of Ethiopia</li></ul>                          | <b>August 2022-<br/>Current</b>    |
| <ul style="list-style-type: none"><li>• Family Guidance Association of Ethiopia (FGAE)</li></ul>         | <b>September 2021-<br/>Current</b> |
| <ul style="list-style-type: none"><li>• Young African Leaders Initiative (YALI) Network Member</li></ul> |                                    |