

Mariam Taher Mohamed Amin

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Education

- September 2021 - 2024 M.Sc. in Applied Statistics in Health Sciences (Online degree).
University of Strathclyde, UK.
- October 2018 - 2023 PhD in Public Health and Community Medicine.
Public Health & Community Medicine Department, Faculty of Medicine - Assiut University, Egypt.
- July 2018 M.Sc. in Public Health and Community Medicine.
Public Health & Community Medicine Department, Faculty of Medicine - Assiut University, Egypt.
- September 2013 Bachelor of Medicine, Bachelor of Surgery (M.B.B.ch)
Faculty of Medicine - Assiut University, Egypt
Excellent degree with Honor

Work Experience

- 2015- Present **Teaching Assistant of Public Health and Community Medicine. Faculty of Medicine - Assiut University, Egypt**
- Assist in preparing and delivering practical lessons for undergraduates.
 - Facilitate discussions and group activities to enhance student learning.
 - Provide feedback to students on their academic progress and offer guidance and support as needed.
 - Conduct research in the field of public health.
 - Assist faculty members in curriculum development and course planning.
 - Participate in community outreach programs and engage in public health advocacy and education initiatives.
- 2021 - Present **Coordinator and counselor in Research & statistics consultation Unit (RESCU). Faculty of Medicine - Assiut University, Egypt**
- Revision of research proposals.
 - Determination of sample size for different research projects.
 - Provision of statistical analysis plan.
 - Conduct training sessions on research planning, sample size calculation and reference management.
- 2014 - 2015 **Intern in Medicine and Surgery. Assiut University Hospitals, Assiut , Egypt.**
- Observe and participate in medical procedures, surgeries, and rounds.
 - Attend and participate in departmental meetings and educational sessions.
 - Collaborate with medical staff to develop and implement treatment plans for patients.

Research Related Experience

- March 2020 - Present **Coordinator and responsible for data management and analysis** for “Exploring the Prevalence of Chlamydial and Gonorrheal Infections in Pregnant Women in Egypt: A Multicenter Study”.
A multicentric study funded by WHO
- April 2020- 2022 **Team member and biostatistician for Assiut University COVID-19 Research team.**
Research team responsible for conducting research related to COVID-19 pandemic and published four international papers.
- May 2016 **Coordinator of Assiut data collection team for “Cesarean Section Study”** conducted by Reproductive Health Program of the **Population Council**.
A team consisting of 5 data collectors gathers data from the main hospitals in Assiut city.
- March 2015 – October 2015 Contributed to **data collection and qualitative data analysis** using ATLAS.ti software for **Global Early Adolescent Survey (GEAS)**.
A multi-national survey in more than 15 countries including Egypt in collaboration with WHO and Johns Hopkins School of Public Health.
- December 2012 – July 2013 Completion of **"Mentor Student Research Link Program"** , **Healthcare Reform Egypt Organization, Egypt.**
Completed an intensive student research program that included weekly lectures and assignments for 12 weeks and actual attachment to a senior researcher for **6 months** to build my research skills and write the manuscript.

Training and Teaching Activities

- March 2021 Organizer and trainer for **"How to use Mendeley Reference Manager Workshop"** (an online virtual workshop).
Research & statistics consultation Unit (RESCU) – Faculty of Medicine, Assiut University , Egypt
- February 2018 Contributed as a trainer in **“Infection Control and Epidemiology Diploma”**.
Ministry of Health, Egypt.
- November 2016 Contributed as a trainer in **“ASSA Research Campaign”** (3 days campaign with series of lectures aimed to introduce research skills and basic biostatistics for medical students).
Assiut Students’ Scientific Association “ASSA”- Assiut University, Egypt.
- March 2016 Contributed as a trainer in **“Research from A to Z”** workshop (2 days workshop aimed to improve medical students’ research skills).
Faculty of Medicine - Assiut University, Egypt.
- May 2015 Completion of **“University Teaching”** *online course* (A six-week course introduced the foundational knowledge of the science of teaching and learning as well as skills and strategies for teaching at the university level)
Johns Hopkins University (Through Coursera.org)

Community service / Volunteer Activities

- October 2017- Present Participation in Community Health Education (Supervision of medical students' field training to educate community about different health topics)
Public Health & Community Medicine Department, Faculty of Medicine - Assiut University, Egypt
- October 2017 Participation in "World Heart Day Campaign" – Team Leader.
Public Health & Community Medicine Department, Faculty of Medicine - Assiut University, Egypt
- October 2016 Participation in celebration of "World Day of Mental Health"- Supervisor.
Public Health & Community Medicine Department, Faculty of Medicine - Assiut University, Egypt
- March 2015 - Present Active participation in woman and child health campaigns covering low-income rural areas in Upper Egypt (organized by Assiut University in association with charities).

Courses and Trainings

- December 2021 Completion of **"Capacity Building on Survey Methodology, Data Collection and Statistical Analysis Training"** (A 3 months training with final research project presentation)
 Partnership between Survey of Health, Ageing and Retirement in Europe (SHARE), Institute of Global Health and Human Ecology (I-GHHE) and Social Research Center at the American University in Cairo (SRC-AUC))
- May 2021 Completion of **"Implementation Research (IR) with a focus on Infectious Diseases of Poverty (IDP)"** (5 weeks online course with final implementation research proposal).
Pasteur Institute of Tunis, Tunisia and Research and TDR, WHO
- July 2019 Completion of **"Statistical Analysis using STATA"** workshop. (2 days workshop hosted by *DAAD office in Cairo* to learn how to use STATA with hands on training).
DAAD Kairo Akademie, Cairo, Egypt
- December 2017 Completion of **"Decision-Making in Public Health: Evidence, Politics or Diplomacy"** workshop. (5 days workshop hosted by *DAAD office in Cairo* to learn necessary tools to develop and implement evidence-informed decisions in health).
Institute of Public Health, University of Heidelberg, Germany.
- October 2016 Attendance of **"High Impact Presentations & Policy Brief Writing Skills"** workshop. (2 days workshop conducted by Population Council to learn how to present a research results and recommendations to policy makers)
Public Health & Community Medicine Department, Faculty of Medicine - Assiut University, Egypt

April 2016 Attendance of “ **Basic Secondary Analysis Skills Using DHS Data**” workshop (10 hours hands-on training using SPSS software for secondary analysis of demographic & health survey data).
Research & statistics consultation Unit (RESCU) – Faculty of Medicine, Assiut University , Egypt

Personal Skills

- **Language Skills:** Arabic (native language), English (excellent, *ILETS= 6.5*).
- **Computer Skills:** Proficient in using Microsoft Office (Word, Excel, PowerPoint), reference management software (Mendeley), and statistical software packages (R, SPSS, and STATA).
- **Communication Skills:** Excellent verbal and written communication skills in both English and Arabic, including the ability to effectively communicate research findings, present to diverse audiences, and write academic papers.
- **Organizational Skills:** Ability to manage multiple projects simultaneously, prioritize tasks, and meet deadlines in a fast-paced and dynamic environment.
- **Interpersonal Skills:** Strong interpersonal skills, including the ability to build and maintain positive relationships with colleagues, students, and community stakeholders.

Publications (ORCID: 0000-0003-0089-9418)

- **Mariam T. Amin**, Abd El Aty MA, Ahmed SM, Elsedfy GO, Hassanin ES, El-Gazzar AF. *Over prescription of antibiotics in children with acute upper respiratory tract infections: A study on the knowledge, attitude and practices of non-specialized physicians in Egypt*. Plos one. 2022 Nov 3;17(11):e0277308. <https://doi.org/10.1371/journal.pone.0277308>
- Eman M. Khedr, Radwa K. Soliman, Noha Abo-Elfetof, **Mariam T. Amin**, et al. *Clinical and Radiological Characteristics of Acute Cerebrovascular Diseases among Egyptian Patients with COVID-19 in Upper Egypt*. Frontiers in Neurology, 2021; 12:220. <https://doi.org/10.3389/fneur.2020.630028>
- Mahmoud A. Abd El Aty, Faten M. Rabie, **Mariam T. Amin**, *Physical Inactivity Prevalence and Determinants among Assiut University Students, Egypt*. The Egyptian Journal of Community Medicine, 2019; 37(2): 47-57. https://ejcm.journals.ekb.eg/article_30915.html
- Hussein Elkhayat, **Mariam T. Amin**, Ahmed G. Thabet, *Patterns of use of social media in cardiothoracic surgery; surgeons' prospective*, Journal of the Egyptian Society of Cardio-Thoracic Surgery, 2018. <https://doi.org/10.1016/j.jescts.2018.07.003>.
- Ahmed M. Abbas, **Mariam T. Amin**, Shymaa S. Ali, Neima Z. Salem: *Maternal mortality: a tertiary care hospital experience in Upper Egypt*. International Journal of Reproduction, Contraception, Obstetrics and Gynecology 05/2016; 5(5):1466-1471. <http://dx.doi.org/10.18203/2320-1770.ijrcog20161306>
- **Mariam T. Amin**, Sherif M. Shazly: *In Utero Stem Cell Transplantation for Radical Treatment of Osteogenesis Imperfecta: Perspectives and Controversies*. American Journal of Perinatology 12/2013; 31(10). <https://www.thieme-connect.com/products/ejournals/abstract/10.1055/s-0033-1363501>

References

- **Prof. Omaila El-gibaly M.H.**

Professor, Public Health & Community Medicine Department, Faculty of Medicine - Assiut University, Egypt

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- **Dr. Ghada Salah- Eldeen Al-Attar**

Professor, Public Health & Community Medicine Department, Faculty of Medicine - Assiut University, Egypt

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- **Dr. Essam Othman**

Professor, Department of Obstetrics and Gynecology, Faculty of Medicine and Director of Center of Excellence for Medical Research , Faculty of Medicine , Assiut University, Egypt

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