

# GRACE WEZI MZUMARA

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## EDUCATION

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University of Bergen Current

### **PhD Health Economics**

Economic evaluation of the cost-effectiveness of post discharge chemoprevention with azithromycin added to dihydroartemisinin-piperaquine in children with severe anaemia in Malawi, Kenya and Uganda

University of Oxford 2019

### **Master of Science (MSc) International Health and Tropical Medicine, Merit**

Research dissertation: Identifying Prognostic Factors of Severe Metabolic Acidosis and Acute Kidney Injury in African Children with Severe Falciparum Malaria: A Secondary Analysis of a Randomised Trial

University of Malawi 2016

### **Bachelor of Medicine, Bachelor of Surgery (MBBS)**

Research dissertation: Implementation of Emergency Triage Assessment and Treatment (Etat) for In The District Hospitals Of Malawi: An Audit Of Dedza And Mchinji District Hospitals in Malawi

## WORK EXPERIENCE

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### **Malawi Liverpool Wellcome Trust Clinical Research Programme**

July 2020 –

#### **Child Health Researcher**

November

Lead Researcher: Chest radiography in Malawian children with severe acute respiratory illness in the era of pneumococcal conjugate vaccines

2022

Led systematic Review of Antibiotic Stewardship practices in low-income countries.

Led a multidisciplinary team to analyse and publish Malawi's Health Policy Response to COVID-19

### **University of Oxford, Nuffield Department of Population Health**

September

#### **Research Fellow**

2019 –

Project - Molecular Epidemiology for Vaccination Policy

March 2020

Critical Review of literature on genome sequencing for haemophilus Influenzae

Used GenBank to curate the Haemophilus *influenzae* database in the Public Databases for molecular typing and microbial genome diversity (PubMLST).

<https://pubmlst.org/>

Analysis of the genetic epidemiology of haemophilus influenzae isolates in the PubMLST database

### **University of Oxford, Mahidol Oxford Tropical Medicine Research Unit (MORU), Clinical Trials unit – Research Intern**

April – June

Prognostic modelling for the identification of metabolic acidosis and acute kidney injury in children with severe falciparum malaria

2019

**Malawi Ministry of Health – Senior Medical Officer**  
Mzimba District Hospital and Queen Elizabeth Central Hospital (QECH)

March 2016  
– October  
2018

#### CONSULTING EXPERIENCE

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**Emerging Threats Consultant**  
**Malaria No More UK**

July – August 2021

Project: Describing Environmental, Physical, Biological and Economic agents that prevent the eradication of Malaria in Africa and South-East Asia

**Consultant**

**Louis Dreyfus Foundation**

2021

Project: Global environmental and health effects of farming Palm Oil and researching its alternatives

#### PUBLICATIONS

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Mzumara GW, Chawani M, Sakala M, Mwandira L, Phiri E, Milanzi E, Phiri MD, Kazanga I, O'Byrne T, Zulu EM, Mitambo C, Divala T, Squire B, Iroh Tam PY. The health policy response to COVID-19 in Malawi. *BMJ Glob Health*. 2021 May;6(5):e006035. doi: 10.1136/bmjgh-2021-006035. PMID: 34006521; PMCID: PMC8136801.

Best of British, How British Backed Science can Accelerate the end of Malaria. Section 1: Emerging Threats to Progress Against Malaria, 2021

Available at:

<https://malarianomore.org.uk/sites/default/files/Best%20Of%20British%20-%20How%20British-backed%20science%20can%20accelerate%20the%20end%20of%20malaria.pdf>

Mzumara GW, Marsh K et al. Identifying Prognostic Factors of Severe Metabolic Acidosis and Acute Kidney Injury in African Children with Severe *Falciparum* Malaria: A Secondary Analysis of a Randomised Trial. :1–17. Doi:10.21203/rs.3.rs-148298/v1

Mzumara GW, Mambiya M, Iroh Tam PY. Antimicrobial stewardship interventions in least developed and low-income countries: a systematic review protocol. *BMJ Open*. 2021 Aug 12;11(8):e047312. doi: 10.1136/bmjopen-2020-047312. PMID: 34385248; PMCID: PMC8362704.

Presentation and published Post Note for the United Kingdom All Parliamentary Group on Malaria and Neglected Tropical Diseases

Topic: Country experiences of multilateral and bilateral funding of Malaria Programs –5<sup>th</sup> February 2019. Available at: <https://www.appg-malariantds.org.uk/wp-content/uploads/2019/11/2.-UK-Aid-Malaria-Funding.pdf>

#### Referees

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Prof Proochista Ariana: [proochista.ariana@ndm.ox.ac.uk](mailto:proochista.ariana@ndm.ox.ac.uk)

MSc International Health and Tropical Medicine – University of Oxford

Dr Pui-Ying Iroh Tam: [irohtam@mlw.mw](mailto:irohtam@mlw.mw)

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