Why mentorship is critical for knowledge retention: A secondary data analysis of maternal and neonatal complications in Neno district, Malawi

Introduction

Background

- Critical need to strengthen the global nursing and midwifery workforce, especially in Malawi, where they primarily provide obstetric and neonatal care.
- In 2017, an intensive training program with year long bedside mentorship was implemented for nurses and midwives in Neno district, Malawi.
- Project aimed for sustainability with a staged handover to local ownership after three years of intervention.

Study objective

To assess sustained improvement in obstetric and neonatal complication reporting practices 31 months post-project completion.

Methods

Design:

This was a secondary data analysis of Malawi District Health Information Software 2 (DHIS2) data.

Study Periods:

Pre-completion: January 2019 – September 2020 *Post-completion:* October 2020 – May 2023

Analysis:

Bivariate analyses explored differences between pre- and postproject periods.

Multivariate linear regression to control for facility factors.

Study variables

- Maternal complications & associated emergency obstetric care
- Neonatal complications & associated emergency neonatal care
- Location and mode of delivery
- Neonatal survival
- Referrals to tertiary care













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