

# Maternal Complications Associated with Preterm and Low Birth Weight Births in Selected Health Facilities in Migori County, Kenya.

Vincent Moshi<sup>1</sup>, Anthony Wanyoro<sup>2</sup>, Beatrice Olack<sup>1</sup>, Phelgona Otieno<sup>1</sup>  
<sup>1</sup>Kenya Medical Research Institute  
<sup>2</sup>Kenyatta University



## Introduction

Preterm Birth Initiative (PTBi) East Africa is undertaking a study aimed at testing a package of interventions for reducing morbidity/mortality and improving survival of preterm in the first 28 days of life.



Intervention Packages

## Background

Though premature birth is common nowadays, it is essential to be aware of the various complications presented during a premature delivery so that early precautions can be taken to avoid further complications that might lead to death of the infant.

## Objective

We aimed to describe complications presented on admission by mothers who delivered preterm babies and low birth weight (LBW) babies within selected health facilities in Migori County Kenya

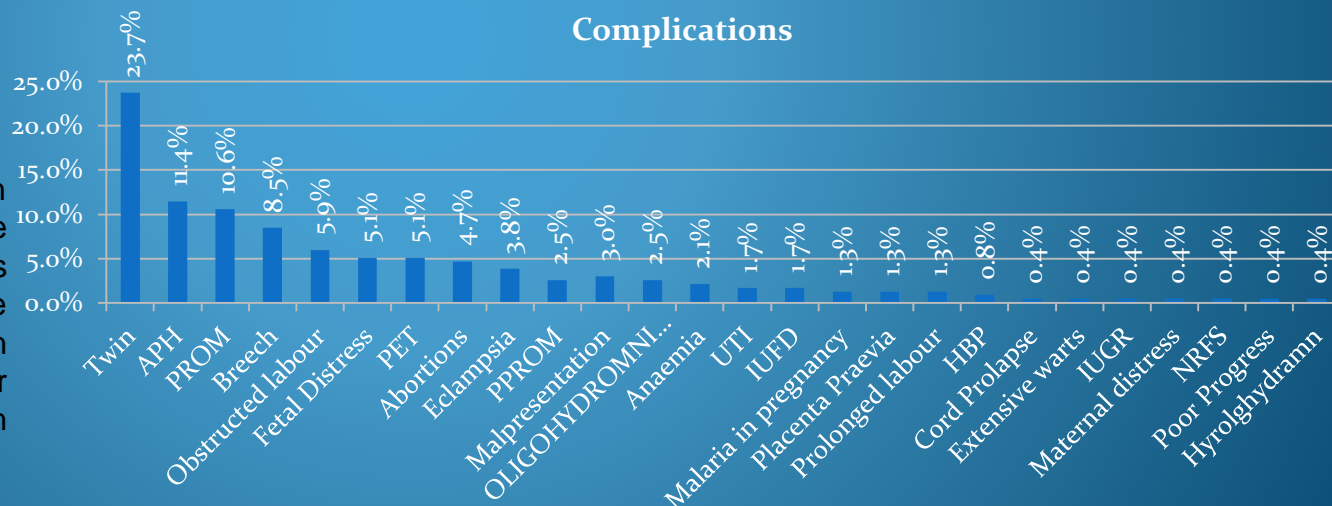
## Method

- As part of the PTBi East Africa initiative, we conducted a retrospective descriptive study where we reviewed maternity data on all preterm and low birth weight births that occurred from June 2016 to November 2017 in 17 health facilities in Migori County Kenya noting the admission complications of mothers presenting with premature labours
- Descriptive analysis was conducted to determine various complications presented by preterm and low birth weight delivery mothers

## Results

We recorded 16244 births from June 2016 to November 2017, with prevalence of preterm deliveries being 1669 (10.3%). Out of all preterm labours, 236 (14.1%) of preterm and low birth weight babies mothers had recorded complication(s) on admission.

## Complications



## Conclusion

The commonest complication of preterm/low birth weight deliveries in Migori County are multiple pregnancies, APH and PROM. Recognizing this maternal complications and emphasising their prevention and management may reduce the numbers of infants born preterm and with LBW thus improving the under 5 indicators.

Sponsors: Bill and Melinda Gates Foundation (BMGF)