

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

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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. We aim 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.

Methods

This was a retrospective descriptive study. 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 under the Preterm Birth Initiative study. Descriptive analysis was conducted to determine various complications presented by preterm and low birth weight delivery mothers. We included admissions that resulted to infants born with gestational age <37 weeks and birth weight less than 2500 grams.

Results

We recorded 16244 births from June 2016 to November 2017, with prevalence of preterm deliveries being 1669 (10.3%). 236 (14.1%) mothers of preterm and low birth weight babies had recorded complications. There were approximately 26 different recorded complications presented on admission by mothers with preterm and LBW births, namely: multiple pregnancy (23.7%), APH (11.4%), PROM (10.6%), breech (8.5%), obstructed labour (5.9%), fetal distress (5.1%), PET (5.1%), abortions (4.7%), pre-eclampsia (3.8%), PPRM (2.5%), malpresentation (3.0%), Oligohydramnios (2.5%), anaemia (2.1%), UTI (1.7%), IUFD (1.7%), malaria in pregnancy, placenta previa (0.8%), prolonged labour (1.3%), Hypertension (0.8%), while Cord Prolapse, Extensive warts, IUGR, Maternal distress, face to pubis, poor progress, NRFS, Polyhydramnios (each 0.4%). These complications were

Conclusion

Majority of mothers who delivered preterm and LBW babies had multiple pregnancies as a major complication. APH, PROM and breech were frequent cases of complication noticed. Proper management of such complications can save preterm and LBW babies.