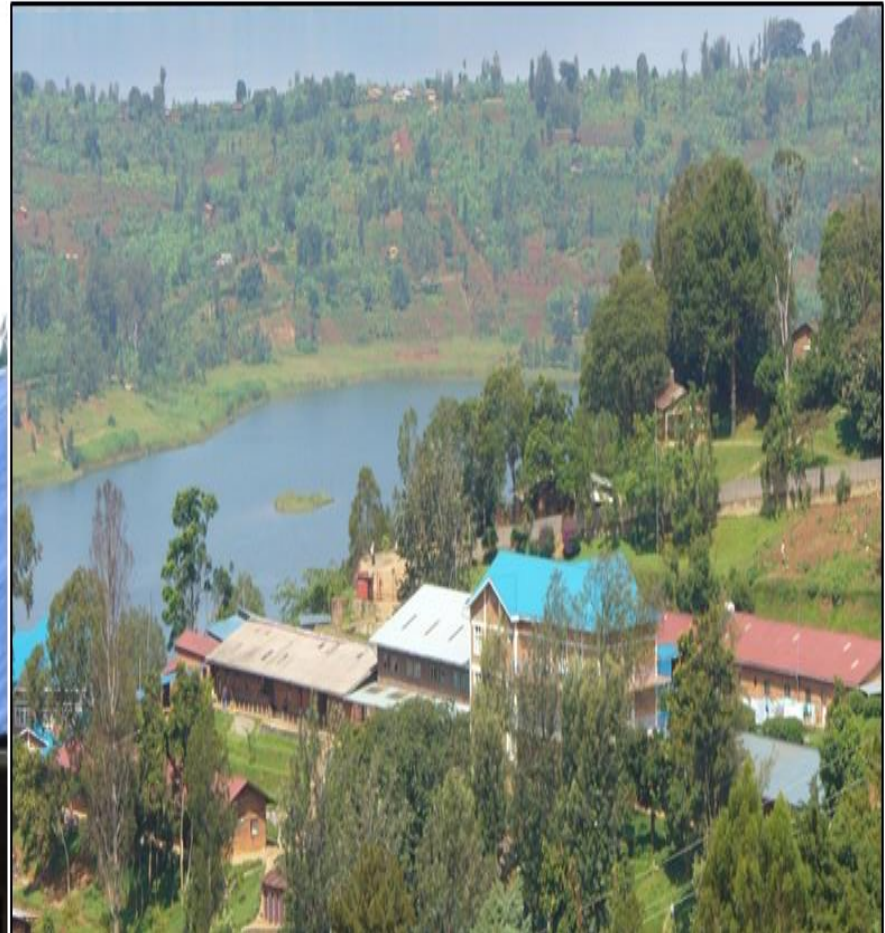


# Best Practices and Lessons Learnt in Management of Low Birth Weight Infants in Kibogora District Hospital



# Issues

- 4.7% of live births < 2.5 kg (LBW) (2011-June 2014)

## Before initiation of the neonatal services:

- Case fatality rate (CFR) among neonatal admissions was high (17.2% in 2011)
- 7.7% of referrals.

# Management of LBW Neonates

❖ Before 2012, neonates were admitted in maternity ward.

## Gradual scale up of neonatal services since 2012:

❖ **2012:**

- **Separate room** for neonatal admissions
- Initially staff of maternity ward assuring care
- Later 4 nurses and 1 MD **fully appointed** in neonatal services.
- **Basic equipment**
- Training in **MOH protocols**.

# Management of LBW Neonates (con't)

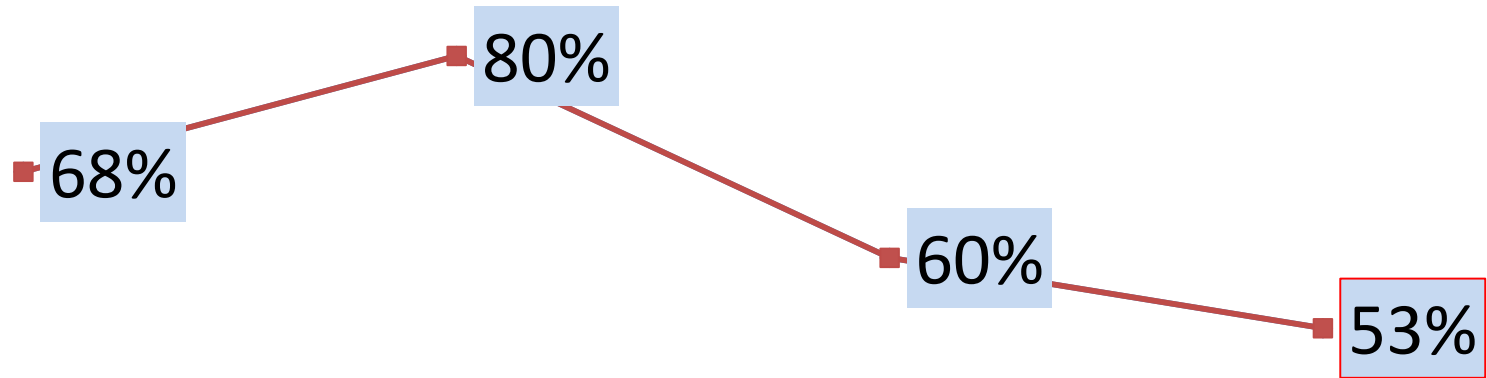
## ❖ 2013:

- Full time **mentoring** by a nurse specialized in neonatology
- **Mentoring** twice a year by a specialized pediatrician
- Upgrade of **equipment** according means/donations
- Reinforcement of **Nutrition surveillance**
- Initiation of the **follow up of discharged** infants (5 visits during one year).

❖ **2014:** 6 nurses and 2 MD **fully appointed** in neonatal services.

# Results

## Proportion LBW among all Neonatal deaths 2011- June 2014



2011

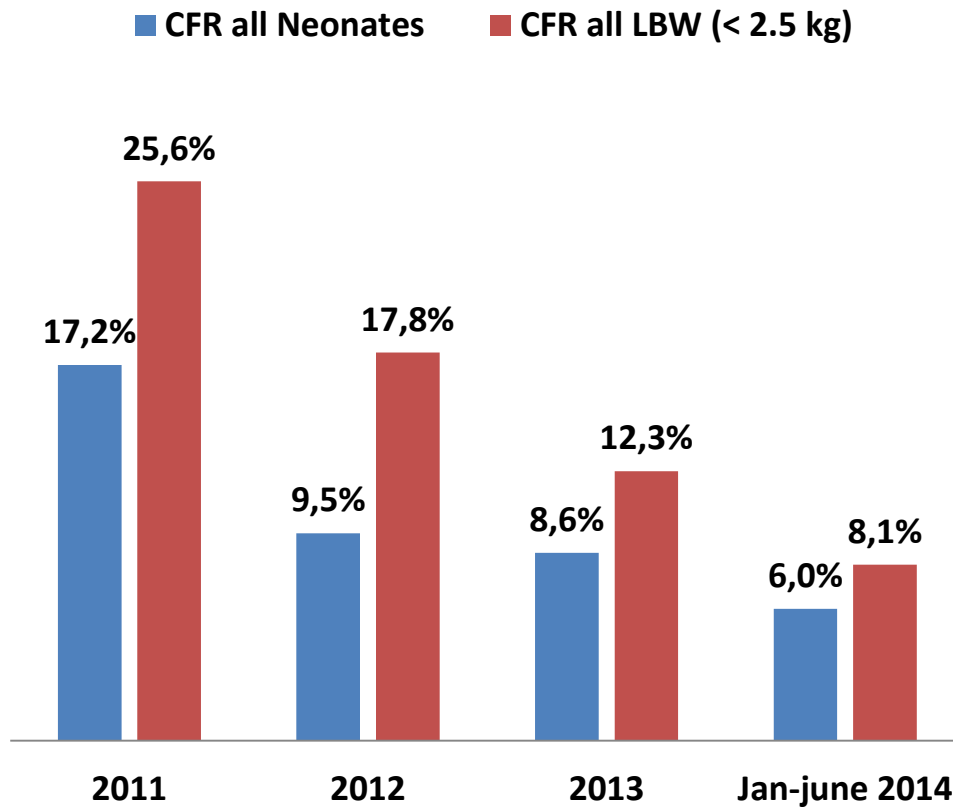
2012

2013

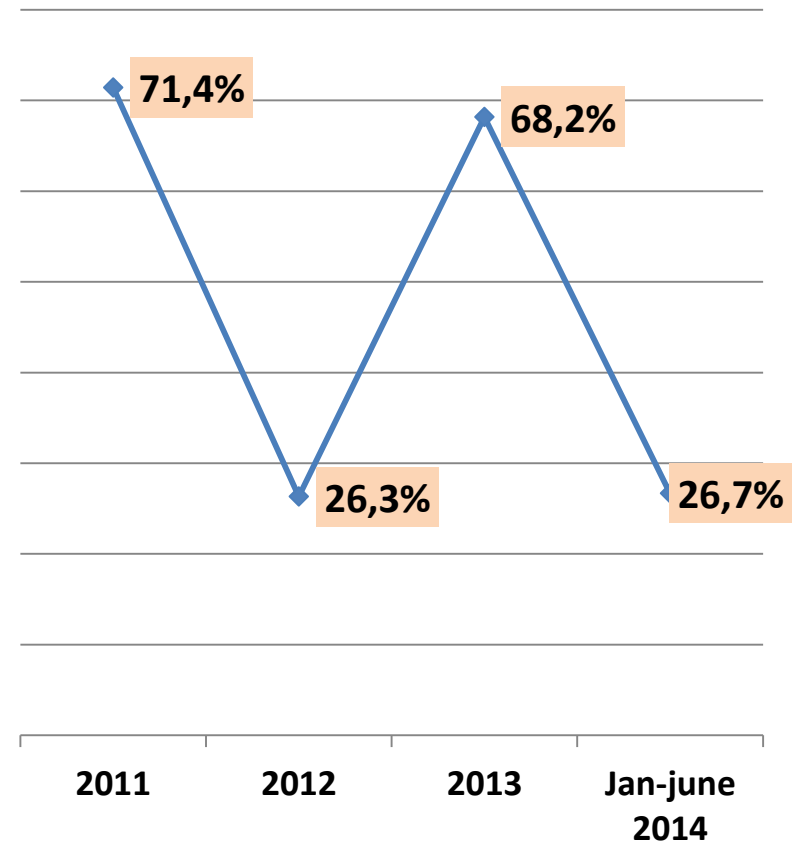
Jan-june 2014

# Neonatal CFR 2011- June 2014

## CFR among Neonatal Admissions 2011-June 2014



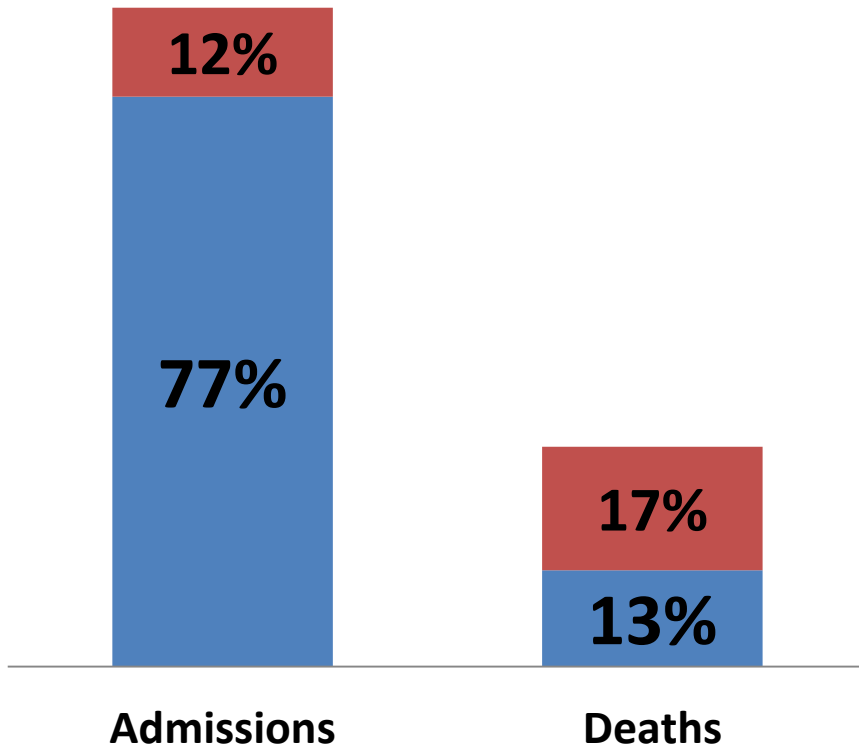
## CFR very LBW (<1.5 kg) 2011- June 2014



# Data collection among sample of 119 neonates with LBW (2012-2013)

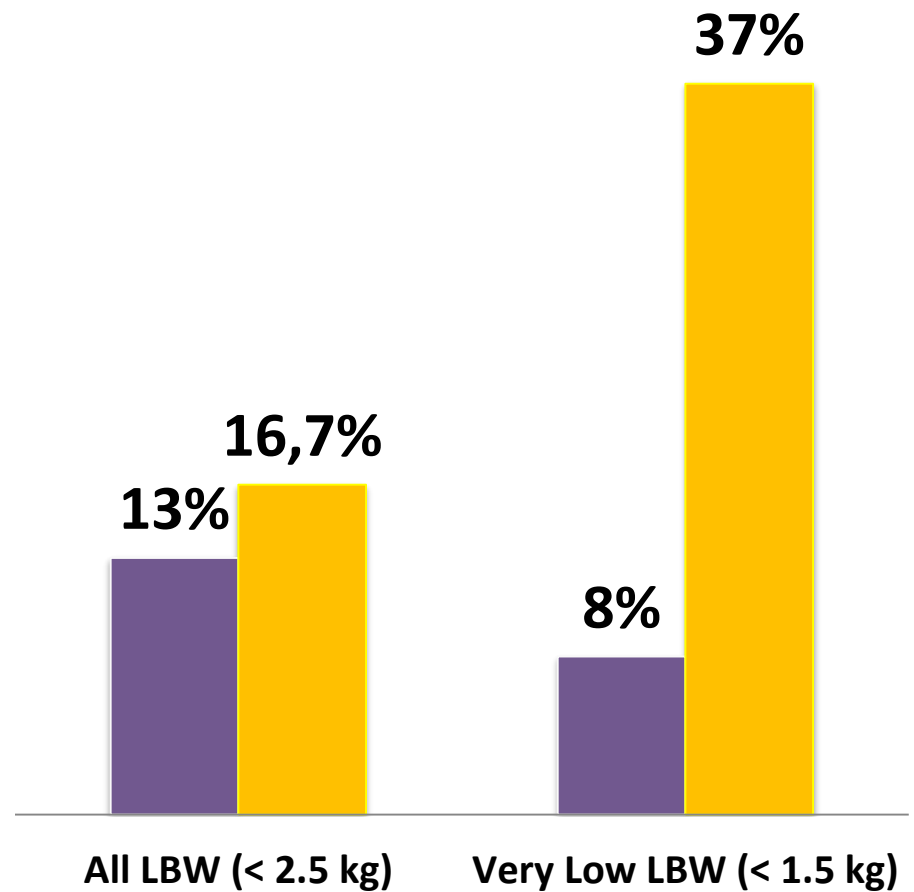
## % of Prematurity among LBW Neonates

■ Premature (1.5-2.5 kg)    ■ Premature (< 1.5 kg)



## CFR among Neonates with LBW

■ 2012    ■ 2013





# Good practices in quality of care measured

- 100% of neonates got daily medical surveillance visits
- 100% of neonates were monitored by nurses at least three times a day
- 83% of neonates were thermo regulated by a combination of KMC and incubators
- 92% of neonate's nutritional treatment were monitored.

## Lessons learnt

Quality of care, provided by skilled health care providers in Kibogora rural district hospital, contributed to an important reduction of case fatality rates among neonatal admissions, including LBW Neonates/Prematures.

The management of very low birth weight neonates (< 1.5 kg) remains a challenge.

Training in MoH protocols and Mentoring by specialized staff are considered crucial to scale up the skills of the neonatal unit staff.



## Next steps

- Reinforce the follow-up system for discharged neonates
- Reinforce community-based support by CHW's
- Elaborate District Neonatal Health Plans, including prevention of LBW
- Initiate operational research in the area of neonatal health/LBW.

***MURAKOZE***

***THANK YOU***

***MERCI***