

**Italian humanitarian project for “sickle cell disease”(SCD)
children in subsaharan Africa” on behalf of :**

- ** HELP3 (Monza) www.Help3.it**
- **S.O.S.G.T. (Monza) www.osgt.org**
- ** Informatica Solidale(Milano)
www.informatica-solidale.net.**

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December 2016

**“SCD” and national/international cooperation in
“subequatorial area”:
a challenge to reduce U5-Mortality Rate as claimed
by WHO and UNESCO on 2006**



Italian humanitarian project in “subsaharan Africa”

Participant Hospitals since the start up of the project (2014):

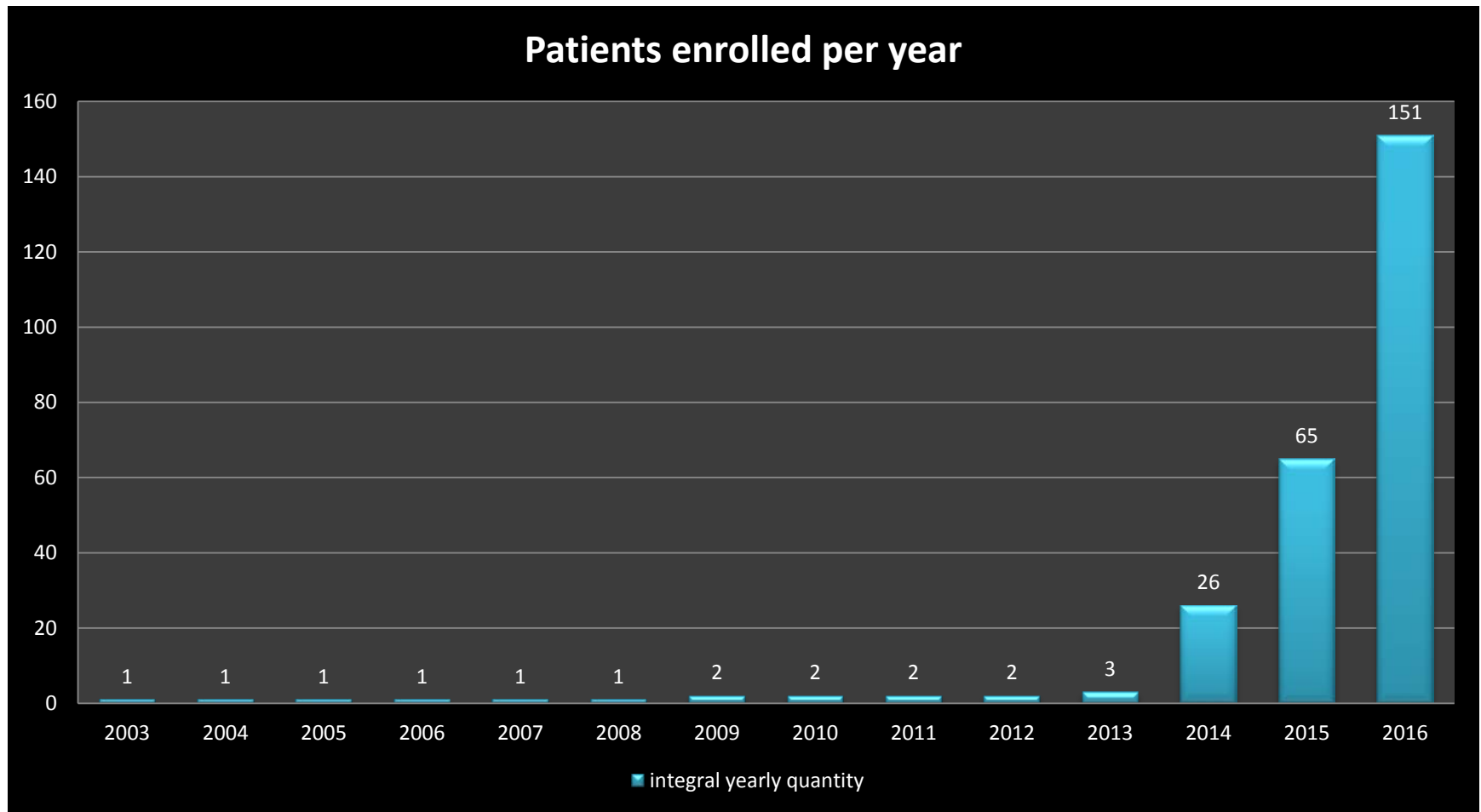
- BMC = Bugando medical Center
(MWANZA University, Tanzania)
- MnM= Mnazi Mmoja referral H
(Zanzibar,Tanzania)
- StG= St. Gemma Council designated H
(Dodoma, Tanzania)
- St.Mary Lacor H (Gulu ,Uganda)

Participant hospital since the beginning of 2017

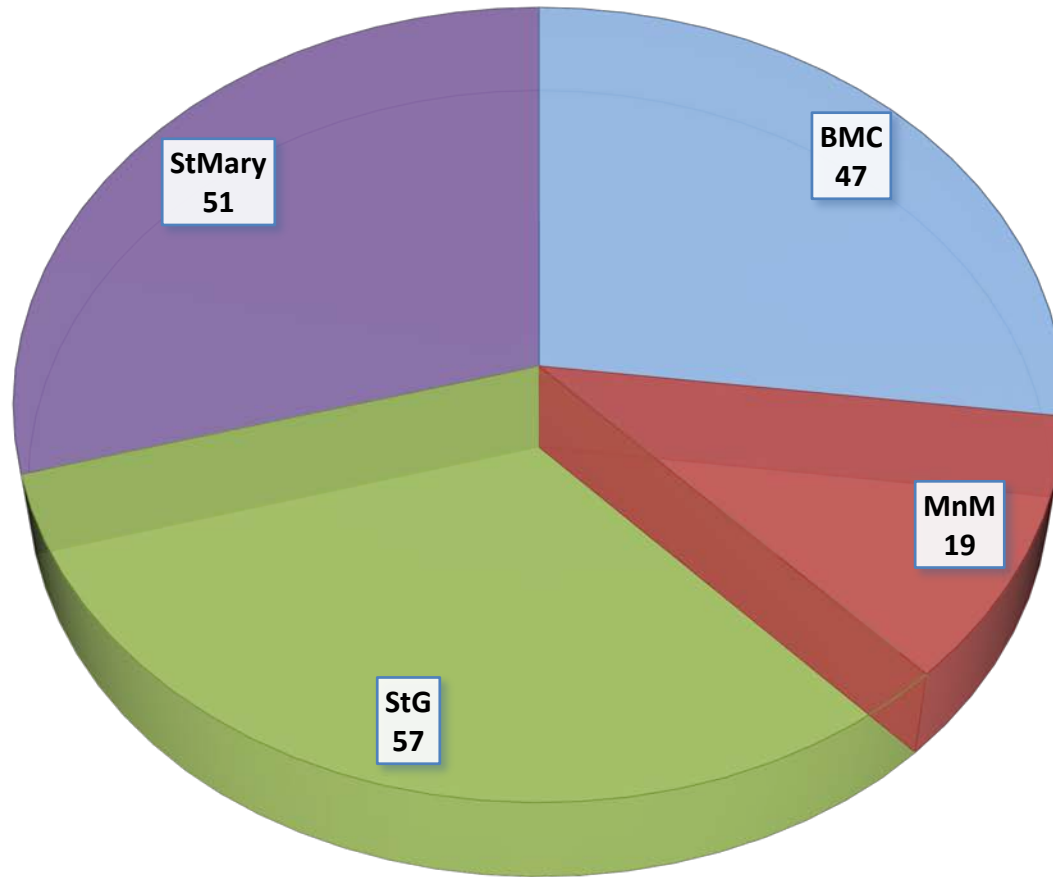
- Muhimbili University hospital
(Dar Es Salaam, Tanzania)

- Actual drug donation
(hydroxyurea) : **250 children**
- Patients registered (on “*data
base*”) since the first visit = 151
- Patients treated up to now: 174
- Final target (2018) = 400 children
- Enrollment period : 2 years

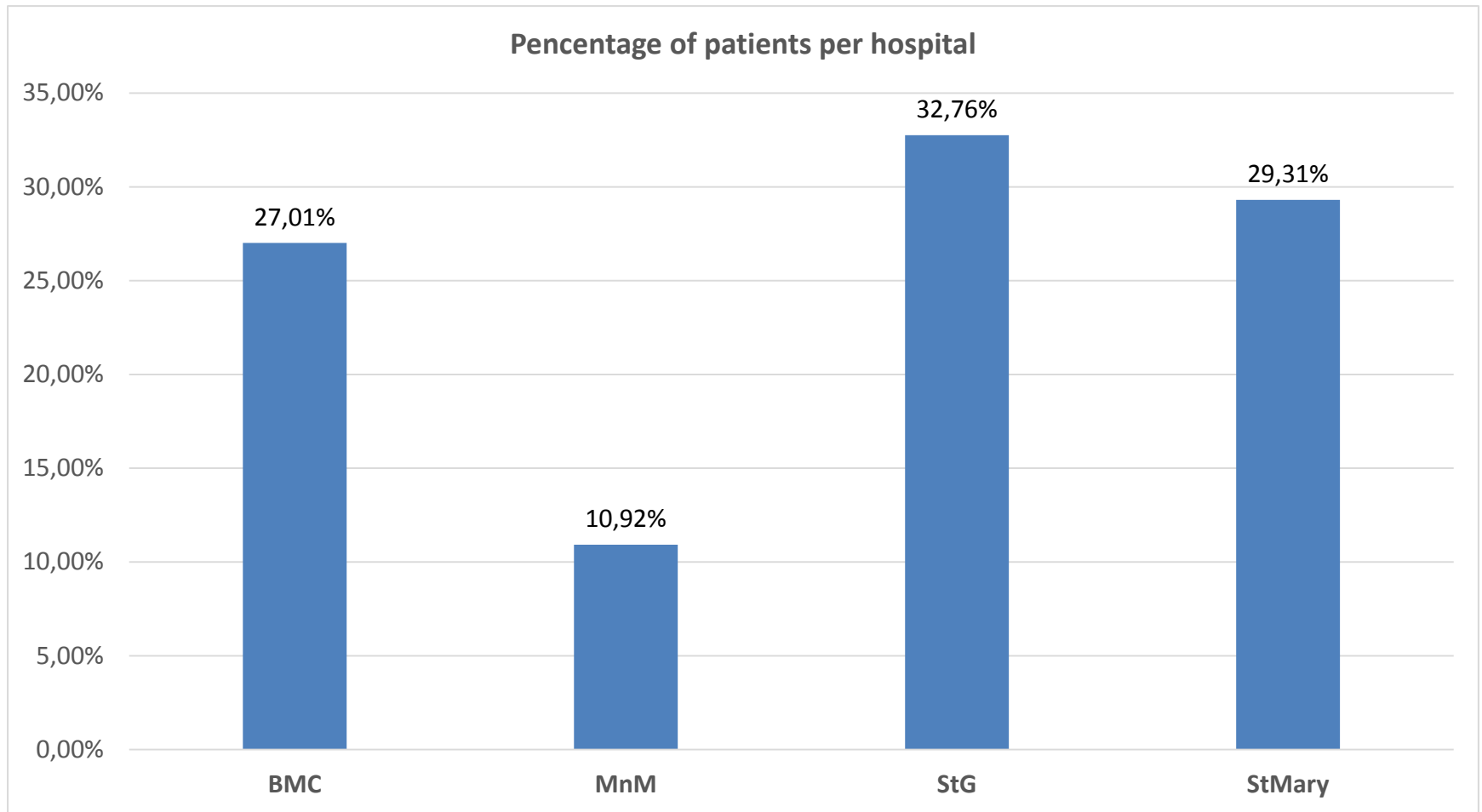
Integral amount of SCD patients since the start up of the project (June 2014)



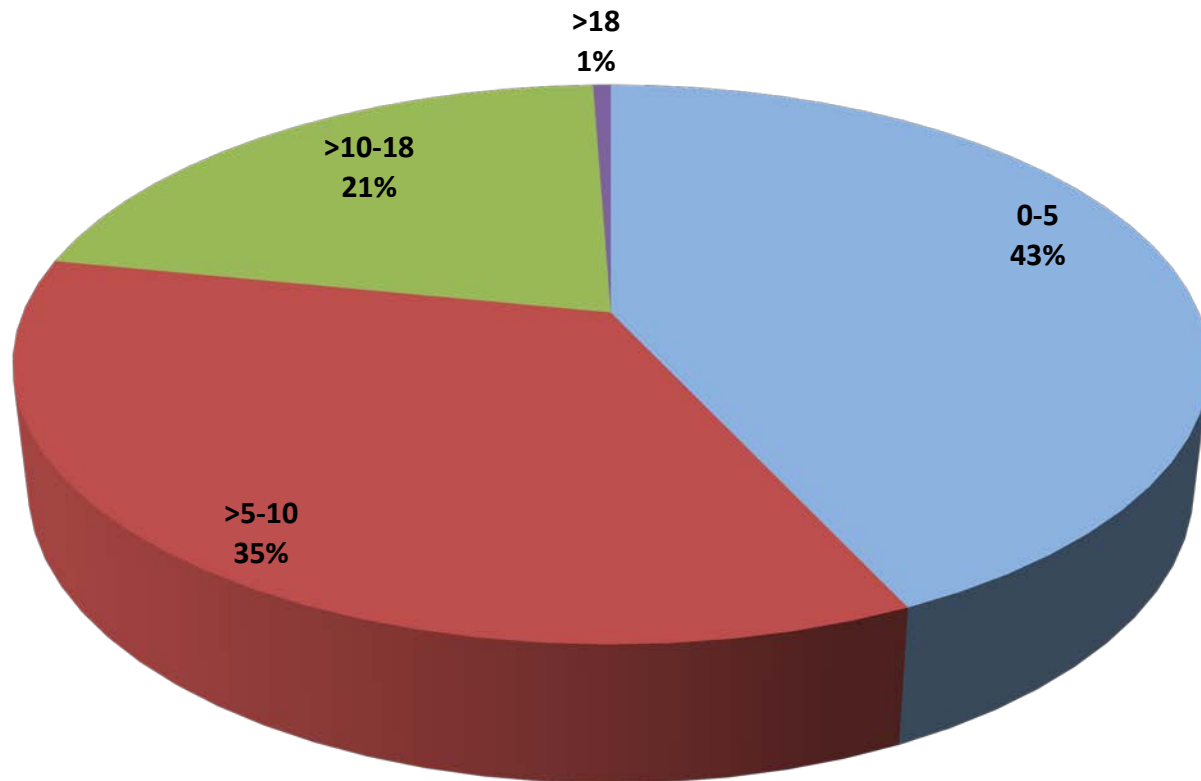
Total patients treated (=174) : distribution per hospital



Total patients treated (=174) : percentage per hospital



Age distribution of the 174 SCD patients on December 2016

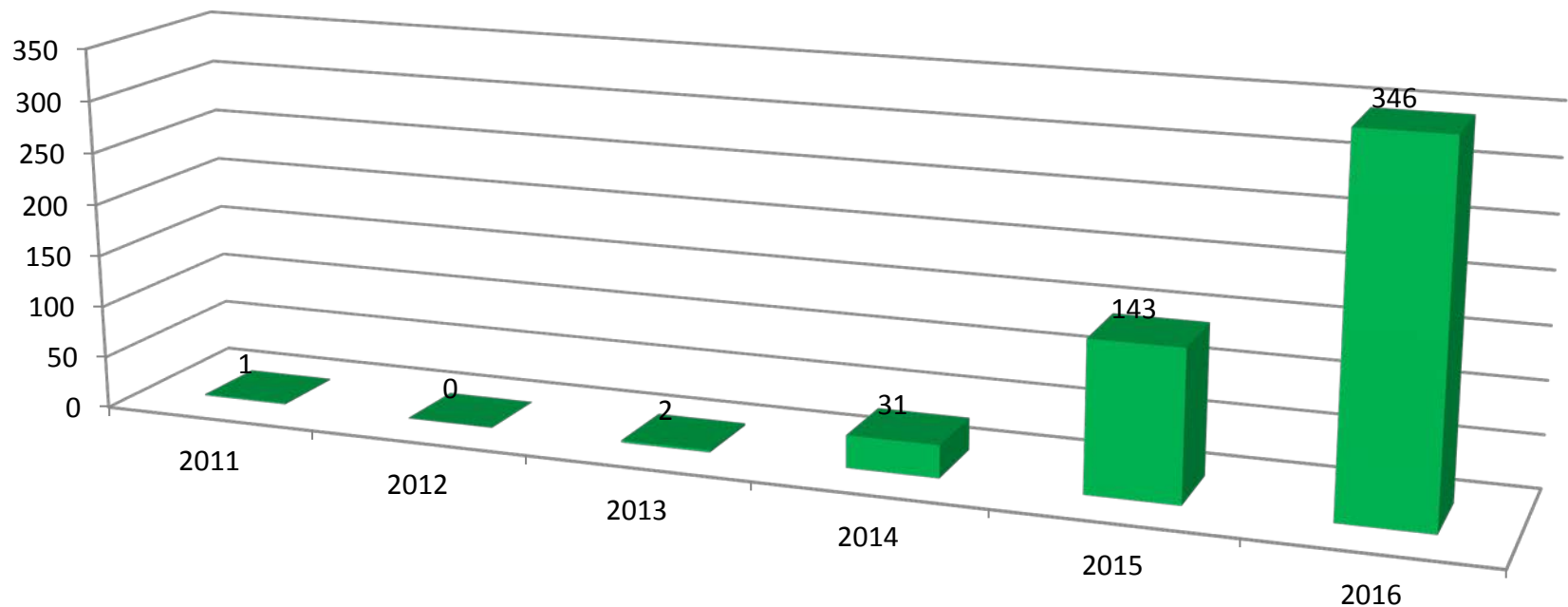


Distribution by age

AGE distribution of 174 SCD patients per hospital

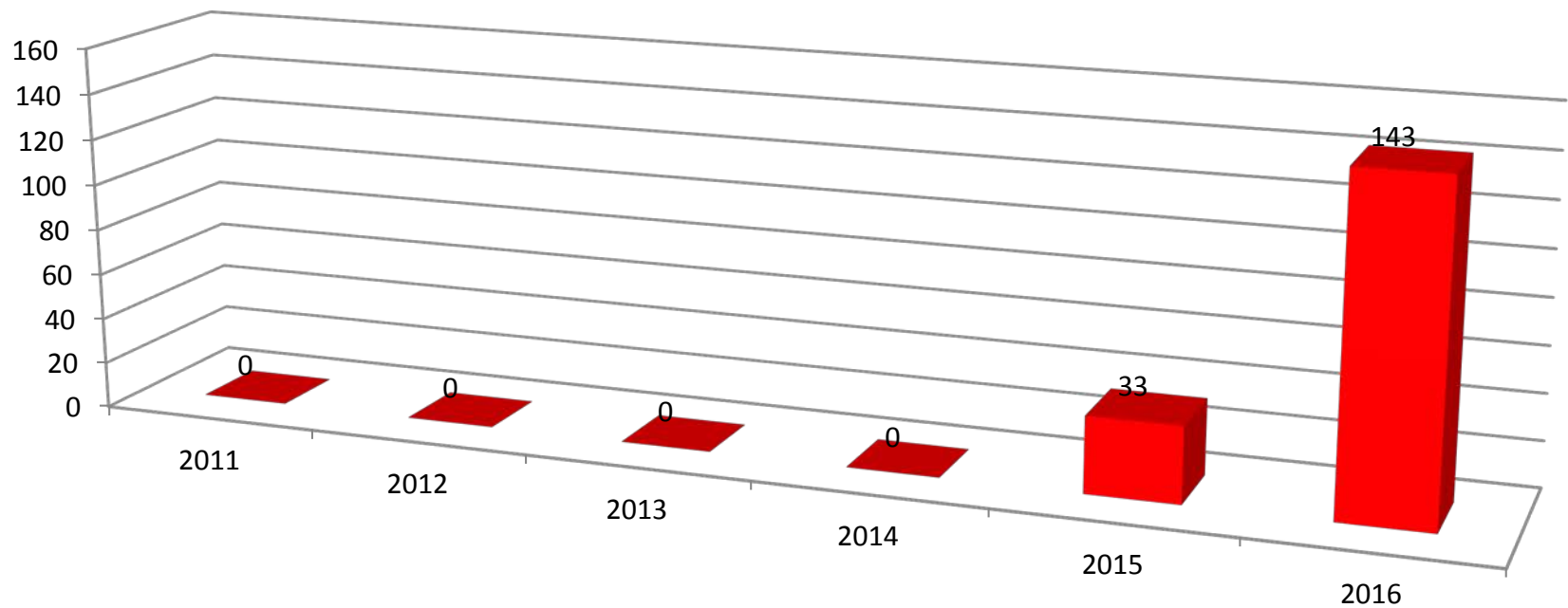
	0-5yr	5-10yr	10-18yr	>18yr
• BMC	17 (36%)	20 (43%)	10 (21%)	0 (0%)
• Mn M	9 (47%)	9 (47%)	1 (5%)	0 (0%)
• St.G	12 (21%)	25 (44%)	20 (35%)	0 (0%)
• St.M	16 (31%)	28(55%)	6 (12%)	1 (2%)

yearly total amount of visits at the 4 hospitals



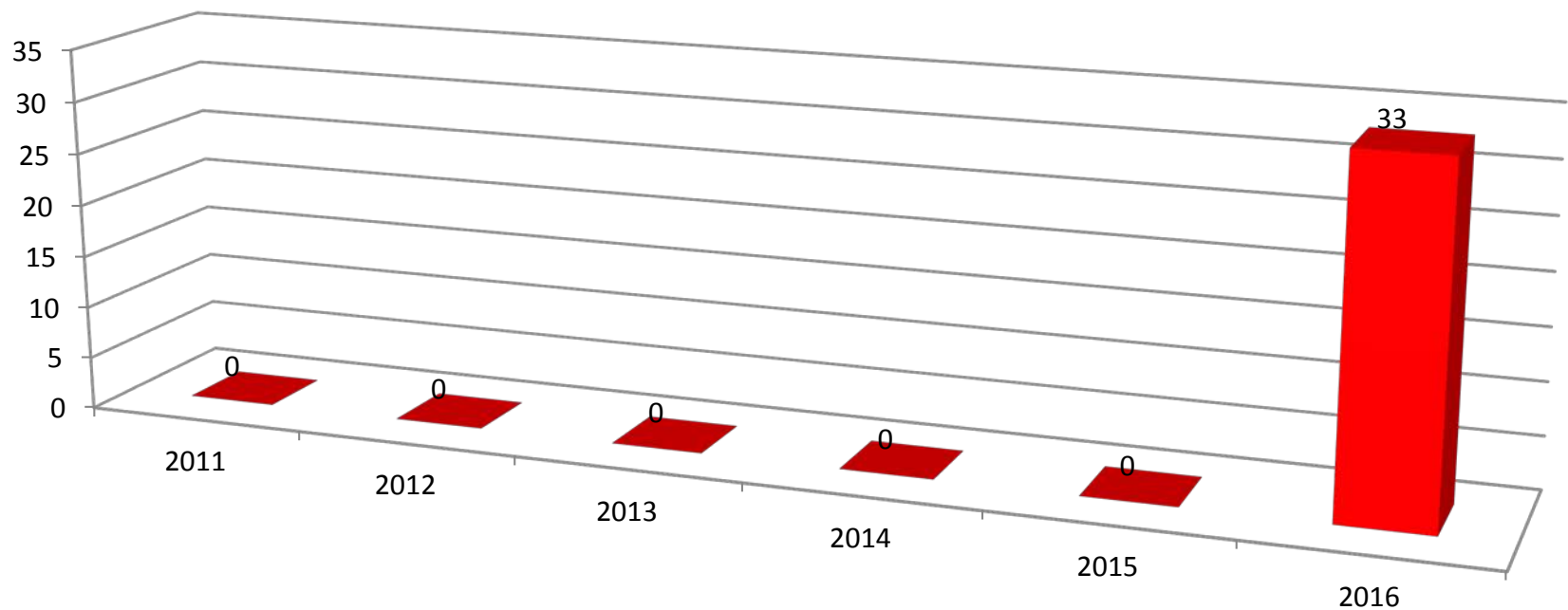
Yearly total amount of visits at the 4 hospitals

BMC : annual amount of visits



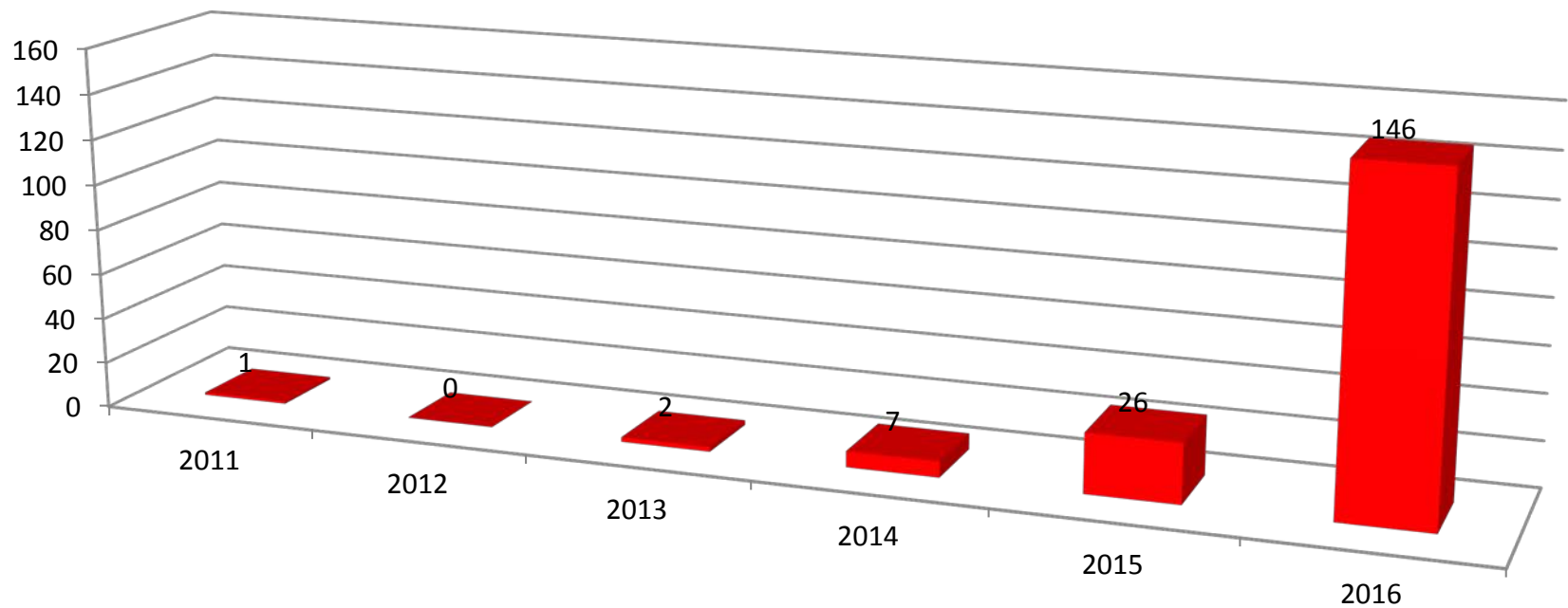
Annual amount of visits BMC

MnM H : annual amount of visits



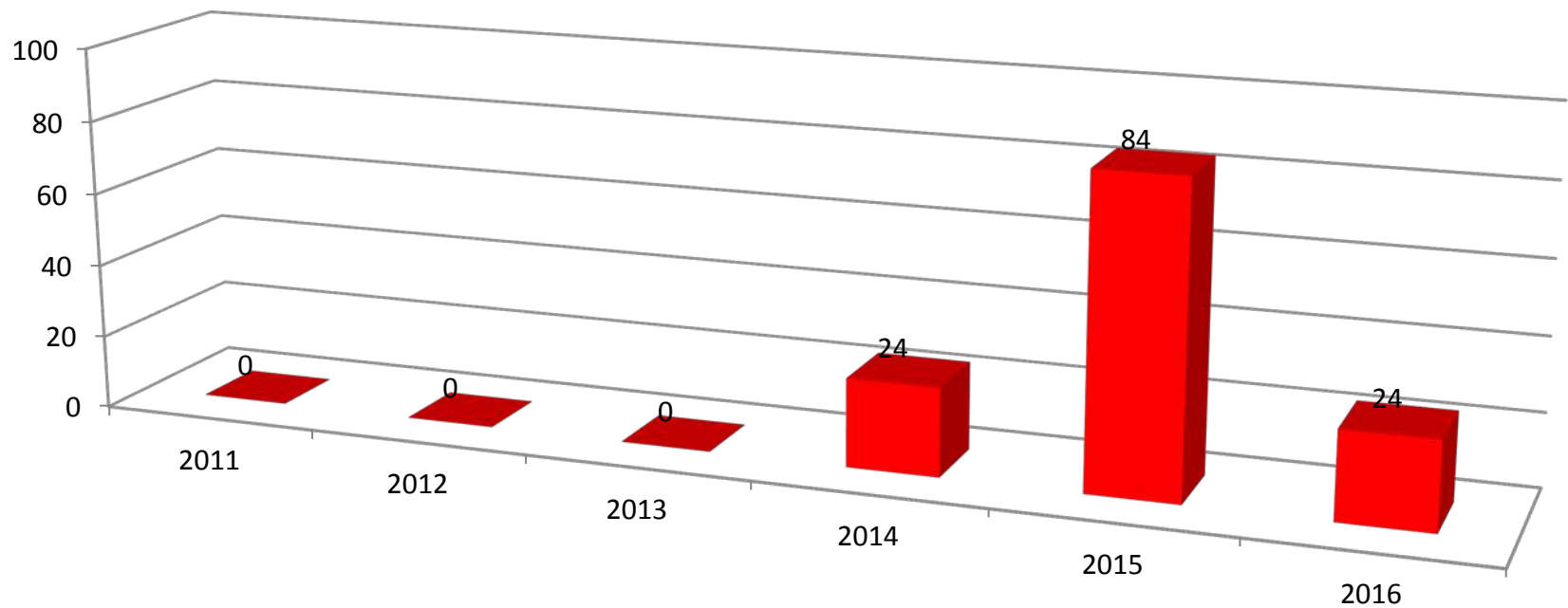
Annual amount of visits MnM

St. Gemma H : annual amount of visits



Annual amount of visits StG

St.M. Lacor H: annual amount of visits



Annual amount of visits StMary

Other evaluations “on the road”

- **Efficacy of Hydroxyurea on:**

- *** Hb increasing
- *** decreasing “ RBC transfusional support”
- *** decreasing “pain and other VOC crisis”
- *** decreasing “inpatient “ admissions
- *** improving “quality of life”
- *** improving “ overall survival”

Preliminary Comments

- The **HELP3 project** started 2 years ago seems to be promising in terms of enrollment and adherence of the four participating hospitals
- Most of the patients treated (**=78%**) are below 10 years
- **The increasing number both of patients enrolled and performed visits are confirming the strong commitment of the medical/nurses staff in Tanzania and Uganda**
- Reliable results of our efforts need to be evaluated and confirmed along next 2 years

OUR THANKS

To the involved Italian Associations :

- **Help 3** (Monza , Italy)
- **SOSGT** (Monza,Italy)
- **Informatica solidale** (Milano, Italy)

To all medical/nurses staff of :

- ** **Lacor Hospital** (**Uganda**);
- ** **BMC** (Mwanza ,**TZ**);
- ** **Mnazi Mmoja H** (Zanzibar,**TZ**);
- ** **St. Gemma H** (Dodoma, **TZ**) ;