Malaria is a parasitic disease transmitted by Anopheles mosquitoes (1). And it is considered as a leading cause of mortality among children in sub-Saharan Africa and especially in South Sudan. Valid quantitative estimates of malaria mortality worldwide are useful for monitoring the impact of implementing the prevention and the control of the activities, targeting interventions, and advocacy (2).

Most at risk of getting malaria are pregnant women, children under five, HIV positive persons and those who come from areas where the incidence of malaria is very low, for example Nairobi or Khartoum (3).

South Sudan is plagued by similar problems in the public provision of health, and relies heavily on NGOs for malaria intervention execution and the private sector for the provision of malaria control commodities. There is a growing network of Community Drug Distributors (CDDs) being established to carry out Integrated Community Case Management for malaria as well as pneumonia and diarrea, with a focus on reaching children under five (4).

It is a common and life-threatening disease; it threatens Children and pregnant woman seriously specially in many tropical and subtropical areas. Had been estimated that, there are currently over 100 countries and territories where there is a risk of malaria transmission, and these are visited by more than 125 million international travelers every year (5).

It considered primarily that, malaria is an infection of the red blood cells, because usually related or focusing on blood transmission causing recurring fever of sudden onset. Malaria caused by P. falciparum is life threatening and can cause multiple organ damage, coma and death (2).

The prospects for successful project on malaria control and prevention are huge in South Sudan. Nevertheless, strengthening and coordination, infrastructure and human resource and capacity building, monitoring and evaluation are required for the successful of project (6).

**Burden of Malaria**

The importance of providing strong evidence based estimates of the mortality began with the Global Burden of Disease (7).

In couples of years, malaria accounted for 7% of deaths in children aged less than 5 years globally, and 17% of these deaths in sub-Saharan Africa including South Sudan, where it was considered the leading cause of death in Africa. As a result of the large decreases in malaria mortality in children aged less than 5 years, malaria accounted for just 5% of less than five years deaths globally in 2015 which shows improvement in terms of prevention and monitoring the malaria, and 10% of Children less than five deaths in sub-Saharan Africa, where it is now the fourth highest cause of death (8).

Uncomplicated malaria may degenerate in Children less than five-year-old patients if not properly managed (9).

Without confirmation or extensive laboratory testing, most symptoms of malaria are indistinguishable from other major causes of morbidity and mortality in young children, because there are similarities in other infectious (10).

**Transmission of malaria**

Malaria is transmitted throughout the year in the swampy lowlands. In all other areas the incidence of Malaria increases during the rainy or flooding seasons as well as in association with movement of Populations with little immunity to endemic areas when outbreaks occur or the disease reaches epidemic proportion (11).

It is transmitted by an infected female Anopheles mosquito, and occasionally or rarely through blood transfusion. The Anopheles from gambiae family is the major vector system in Africa regions (12).

The appearance of drug-resistant strain is considered to be the primary factor that contributed to the resurgence of malaria, plus the spread of insecticide resistant of mosquito and lack of malaria vaccines (13).

**Malaria prevention**

Every country might have its own projects for preventing the reemerging of malaria incidences and prevalence (14).

The best and the effective management of malaria in Children under-five years require early diagnosis and prompt action (15).

There is possibility of developing of using molecular genetics to manipulate the genomes of insects, larva and vectors such that they are no longer capable of acting as a vector.

The aim of this developing molecular is to replace natural vector populations of mosquitoes with populations which are unable to support complete development of the malaria parasite (16).

**METHODS**

I used data from the National Ministry of Health office of Malaria survey and control. I analysed the trends in Malaria cases and Deaths in Children under five years and above five years old, from the year 2009 up to the Month of May 2015, using the examined cases detection and deaths from the Malaria under five years, and Malaria older the five years old, by the NGOs and the partnership of Malaria Control.

**RESULTS**

After passing through the data, we found that the cases from the trend increases from the year 2012 to the month of May 2015, but the cases continuously increases every year from the months early April and declining in late October, in the year 2012 it declined from October to the normal and in 2013 raised from May as usual and continued up to September and started declining, and in 2014 raised from May to August and then declined, and in 2015 increased up to May as in the previous year as shown in the (Figures 1 and 2).
Uncomplicated clinically diagnosed among the Children above five years old under five which was the higher than the children above five years. In 2012, there was a sudden increase in the cases of the children cases and the confirmed was 25,000 cases, and the severe was recorded to be uncomplicated clinically diagnosed under five years is estimated about 40,000 the deaths recorded to be high among the children less five years old. Malaria rate under five years is stable and is at the rate of 11%, while uncomplicated confirmed rate in children is estimated about 39% and the curative malaria under five years is getting higher from 39% up to 58%, and uncomplicated clinically diagnosed rate in children is decrease from 62% to 55%. Though there is an increase in the trend, still far less than expected cases.

Study limitations

1. Focus was on Malaria among the Children above 5 years and less than five years.
2. The data from a secondary source.

CONCLUSION

There are increases of cases each year comparing the studies from 2012 up to mid of 2015, and some areas has showed improvement, as I mentioned Warap State and Central equatoria in 2013 and in 2014, Central Equatoria has showed great different, though it is a crowded area. Also shows the best facilities that has been used to eradicate the malaria, and also reflecting the qualification of NGOs partners, how best their staff are, in the area of malaria control.

REFERENCES

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