

Study on panorama of border malaria in Ta-mu Township

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² Myanmar Medical Conference, 2017

Abstract

Malaria is one of the top priority health problem in Myanmar and mostly endemic along the border areas of the country. Ta-mu township is located in the north-west part of Sagaing Region bordering with Manipur state of India. Malaria morbidity, mortality, Adequate Clinical and Parasitological Response (ACPR) to coartem (artemether and lumefantrine) regime and Annual Parasite Incidence (API) in the last ten years were studied in the context of preparation of malaria elimination in the near future. Data showed that total malaria positive cases were 324 in 2008 which reduced to 32 in 2006. There was one malaria death in 2012 and more malaria death has been reported after 2012. ACPR to coartem was 57/60 (95.0%) in 2009 and 60/63 (95.2%) in 2016 respectively. API was 5.6/1000 in 2008 and reduced to 1.2/1000 in 2006. The findings suggested that magnitude of malaria has been reduced dramatically in the last ten years and feasible for malaria elimination in the near future.