

Nine Year Trend Analysis of Malaria in Kahsay Abera General Hospital Humera Town: Western Tigray, Northern Ethiopia: A Retrospective Study

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Abstract : Background: Malaria kills million people around the world, and it is still a serious public health problem in Ethiopia. Over the past years, the disease has been consistently reported as leading cause of outpatient visits, hospitalization and death in health facilities across the country. This study assessed malaria trend in Humera Town Kahsay Abera Hospital Tigray region, Northern Ethiopia. Method: A Health facility retrospective cross sectional study was conducted in Kahsay Abera General Hospital from January 2011 to December 2019. Data of Malaria cases were reviewed from Health Management Information System with the help of experts in the office. The nine year data were extracted and analyzed using Excel by excluding those which lack demographic data. Result: A total of 36,604 smear positive malaria cases were confirmed in last nine years in the study area. Plasmodium falciparum was the most prevalent reported species. Higher number of malaria cases were reported during October season. Males were more infected by the disease (63.1%) than females and males aged 15 years and above were the most affected ones. The percentage proportion of P.falciparum and P.vivax were 61.6% to 38.4%, respectively. There was a decreasing trend over the nine years following the peak in 2013. Conclusion: Malaria smear positivity, with highest cases being recorded in October, was declined over the nine years after peaking in 2013. Males aged 15 years and above were more affected, and P falciparum was the predominant species. Strengthening the prevention and control activities is warranted in the study area.

Keywords : trend, malaria, kahsay abera general hospital, tigray, ethiopia

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