

The general inclination and global fund effects upon malaria incidence in Bashagard County, Iran

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Abstract: Malaria is ranked the major infectious diseases in Iran whose incidence has extremely declined in the recent years. Overall, 1407 patients were enrolled in Bashagard County during 2008-2017, south of Iran. Of them 772 (54.86%) were male and 635 (45.13%) were female. Malaria is distributed across all ages of patients. 559 (42.57%) of cases infected in the spring season. Remarkably, 82.4% of patients detected in 2008. More than 99% of cases scrimmaged against *Plasmodium vivax*. 1317 (93.6%) individuals confirmed by the microscopic method and 90 (6.39%) by rapid diagnostic tests (RDTs). It should be noted that 79.9% of the suspected case was detected through active surveillance. Approximately, 99% of malaria cases were autochthonous. Global Fund of Malaria positively affected malaria incidence through fortification of control programme financially. Notably, malaria case notification system (MCNS) should be improved into national surveillance of malaria.