

Supplementary

Table 1.1 Total malaria case detected in Bhutan and in three endemic districts from 2012 to 2017

Year	Total case in Bhutan	Total case in three endemic district (Samtse, Sarpang and Samdrup Jongkhar)	
2012	106	73	69 %
2013	48	19	40%
2014	54	27	50%
2015	105	55	52%
2016	74	30	41%
2017	62	41	66%
P value (t-test)	0.03 (<0.05)		

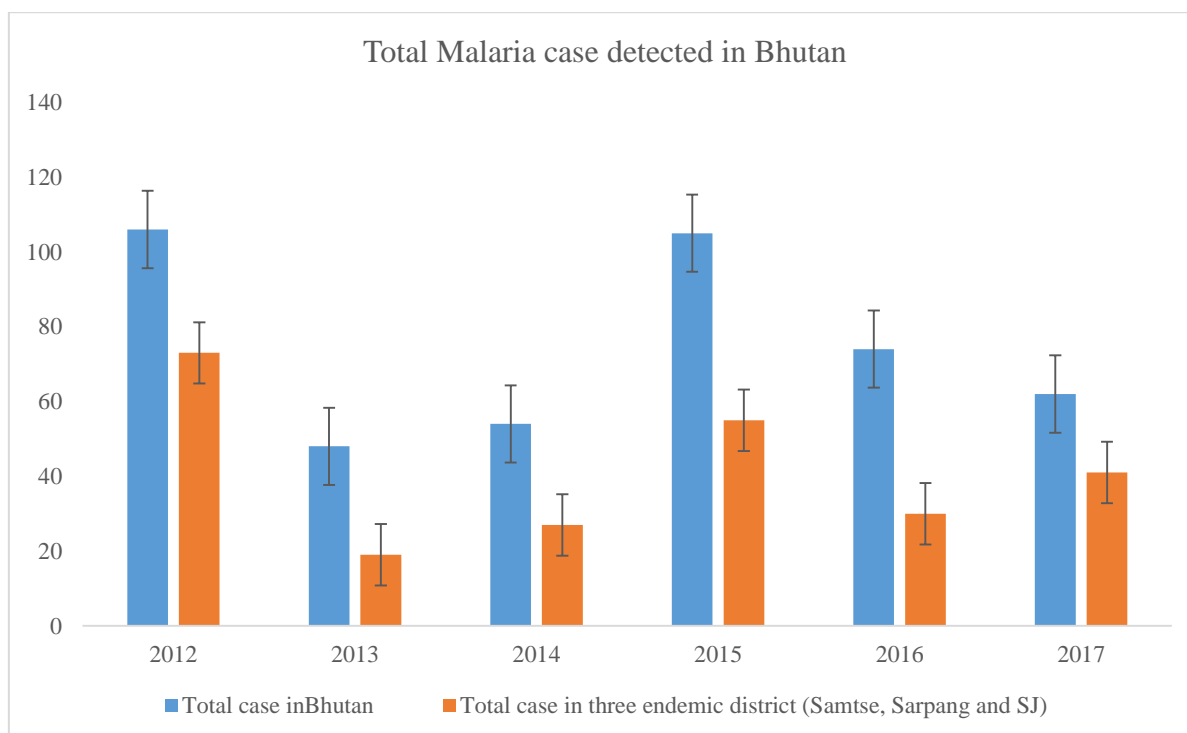


Figure 1.1 Total malaria case detected in Bhutan and in three endemic districts from 2012 to 2017

Table 1.2 Malaria death record in Bhutan

Year	Death	Dzongkhag
2017	1	Sarpang
2016	0	
2015	0	
2014	0	
2013	0	
2012	2	Sarpang
2011	3	Sarpang
2010	4	2 from sarpang and 2 from Thimphu
2009	5	1 from chukha, 3 from S/Jongkhar and 1 from Sarpang
2008	2	1 from Dagana and 1 From Sarpang
2007	2	1 from Chukha and 1 from sarpang

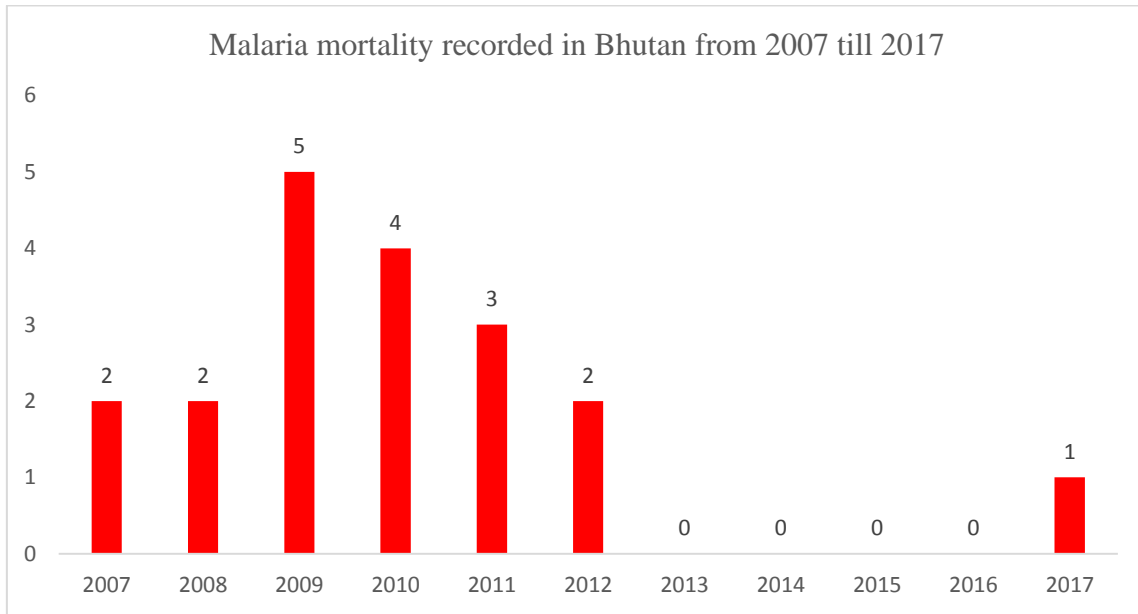


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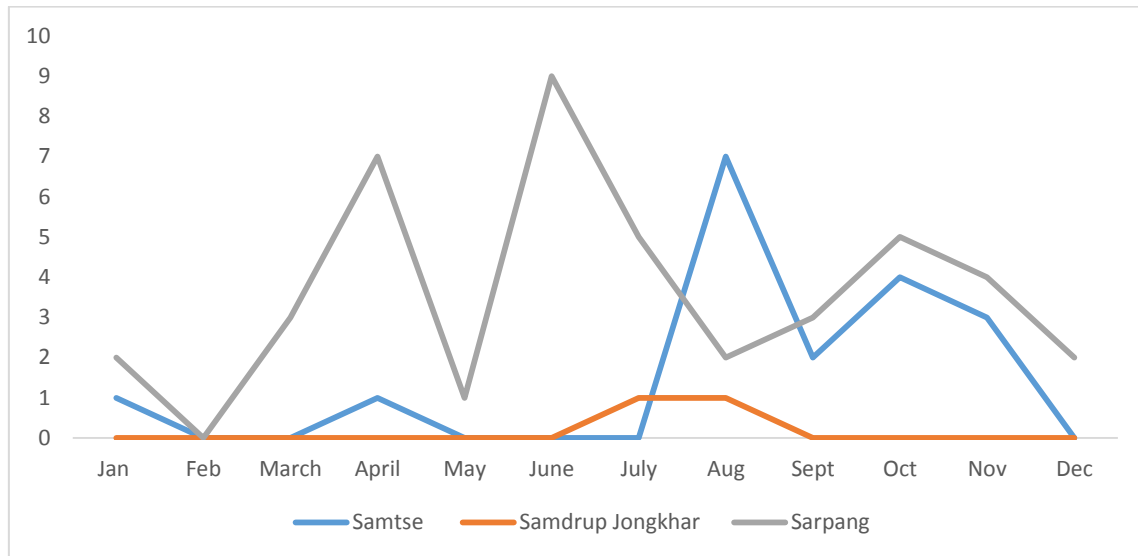


Figure 1.3 Average monthly *Plasmodium vivax* case detection in 3 endemic districts for past 4 consecutive years (2014-2017)

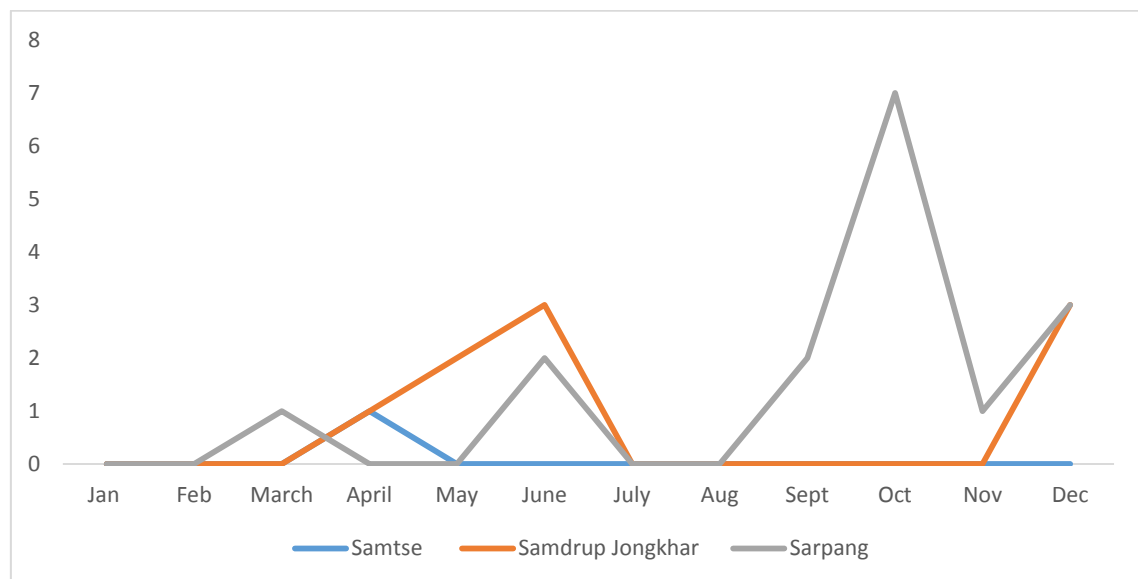


Figure 1.4 Average monthly *Plasmodium falciparum* case detection in 3 endemic districts for past 4 consecutive years (2014-2017)

Table 1.3 Bhutan Malaria Risk Stratification, 2017

	Gewog	High transmission	Moderate transmission	Low transmission	Very low transmission	Malaria free	API
1	Gelephu	0	0	0	0	16315	
2	Samtenling	0	0	0	2801	0	0.35
3	Chhuzaggang	0	0	0	2499	0	0.40
4	Jigme Chhoeling	0	0	0	0	3258	
5	Serzhong	0	0	0	0	2707	
6	Taraythang	0	0	0	0	351	
7	Umling	0	0	0	1586	0	0.63
8	Dekidling	0	0	0	5980	0	0.16
9	Chhudzom	0	0	0	0	2664	
10	Gakidling	0	0	0	2125	0	0.47
11	Seng Gey	0	0	0	1080	0	0.92
12	Shompangkha	0	0	0	4638	0	0.21
	Sarpang District	0	0	0	20709	25295	
1	Phuentshogpelri	0	0	0	7735	0	0.12
2	Tashichhoeling	0	0	0	0	4577	
3	Duenchukha	0	0	0	0	2159	
4	Dophoogchen	0	0	0	0	5419	
5	Doongtoed	0	0	0	0	1433	
6	Tading	0	0	4719	0	0	3.60
7	Norboogang	0	0	0	4075	0	0.24
8	Norgaygang	0	0	0	0	3743	
9	Pemaling	0	0	0	3262	0	0.30
10	Tendruk	0	0	0	0	6242	
11	Sangngag Chhoeling	0	0	0	0	3061	
12	Namgyalcholing	0	0	0	0	3141	
13	Ugyentse	0	0	0	0	1390	
14	Yoeseltse	0	0	0	0	2632	
	Samtse District	0	0	4719	15072	42799	
1	Dewathang	0	0	0	0	12239	
2	Gomdar	0	0	0	0	3206	
3	Langchenphug	0	0	0	2104	0	0.47
4	Lauri	0	0	0	0	1714	
5	Martshala	0	0	0	0	2589	
6	Orong	0	0	0	0	2815	
7	Pemathang	0	0	0	0	1468	
8	Phuentshogthang	0	0	0	4741	0	0.42
9	Samrang	0	0	0	0	310	
10	Serthig	0	0	0	0	2090	
11	Wangphoog	0	0	0	0	1803	
	Samdrup Jongkhar District	0	0	0	6845	28234	

Table 1.4 District wise summary (Risk Stratification)

Sl. No	Dzongkhag	High Transmission		Moderate transmission		Low transmission		Very Low transmission		Malaria Free	
		Gewog	Pop	Gewog	Pop	Gewog	Pop	Gewog	Pop	Gewog	Pop
1	Sarpang	0	0	0	0	0	0	7	20709	5	25295
2	Samdrup Jongkhar	0	0	0	0	0	0	2	6845	9	28234
3	Samtse	0	0	0	0	1	4719	3	15072	11	42799