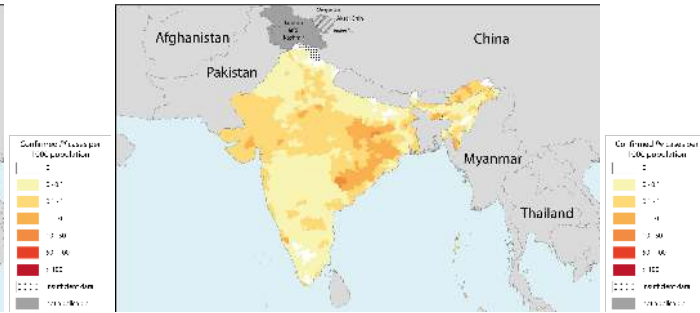
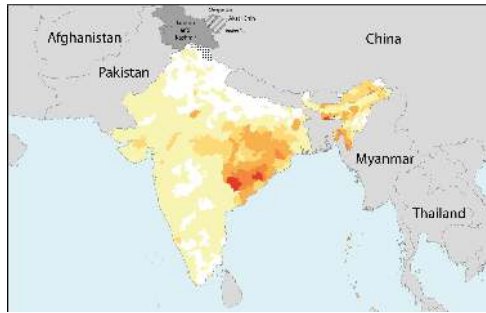


India

South-East Asia Region



I. Epidemiological profile

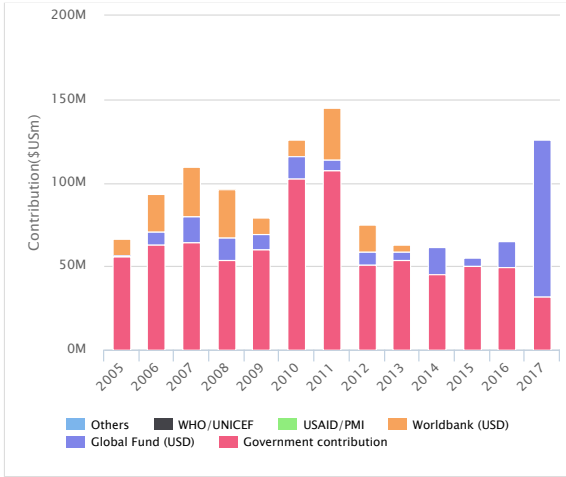
Population (UN Population Division)	2017	%	Parasites and vectors
High transmission (>1 case per 1000 population)	162.5M	12	Major plasmodium species: P.falciparum: 62 (%), P.vivax: 37 (%)
Low transmission (0-1 case per 1000 population)	1.1B	81	Major anopheles species: <i>An. culicifacies</i> , <i>An. fluviatilis</i> , <i>An. stephensi</i> , <i>An. minimus</i> , <i>An. dirus</i> , <i>An. annularis</i>
Malaria free (0 cases)	87.9M	7	
Total	1.3B		
Reported cases and deaths			Estimates
Reported confirmed cases (health facility)*:	844 558		Estimated cases:
Confirmed cases at community level:	537 790		9.6M [7M, 13.3M]
Confirmed cases from private sector:	-		
Reported deaths:	194		Estimated deaths:
* Includes cases from the community			16.7K [1.2K, 31.9K]

II. Intervention policies and strategies

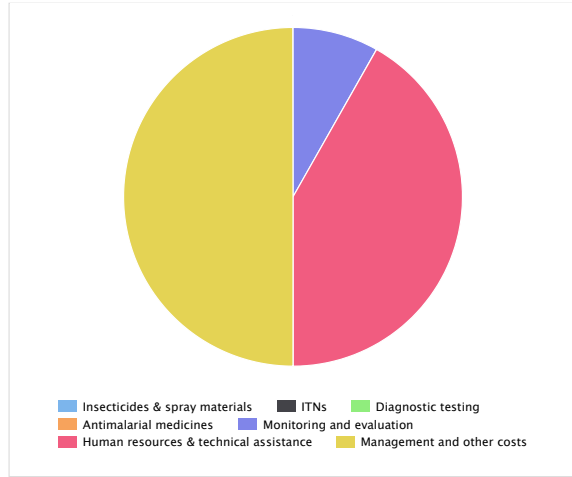
Intervention	Policies/Strategies	Yes/No	Year adopted	Antimalaria treatment policy	Medicine	Year adopted					
ITN	ITNs/LLINs distributed free of charge	Yes	2001	First-line treatment of unconfirmed malaria	CQ	2007					
	ITNs/LLINs distributed to all age groups	Yes	2001	First-line treatment of <i>P. falciparum</i>	AS+SP+PQ; AL	2007					
IRS	IRS is recommended	Yes	1953	For treatment failure of <i>P. falciparum</i>	QN+D; QN+T	-					
	DDT is used for IRS	Yes	1953	Treatment of severe malaria	AM; AS; QN	2007					
Larval control	Use of Larval Control	Yes	-	Treatment of <i>P. vivax</i>	CQ+PQ(14d)	2007					
IPT	IPT used to prevent malaria during pregnancy	-	-	Dosage of primaquine for radical treatment of <i>P. vivax</i>	0.25 mg/Kg (14 days)	-					
Diagnosis	Patients of all ages should receive diagnostic test	Yes	1958	Type of RDT used	Pf + Pv specific (Combo)	-					
	Malaria diagnosis is free of charge in the public sector	Yes	1953	Therapeutic efficacy tests (clinical and parasitological failure, %)							
Treatment	ACT is free for all ages in public sector	Yes	2006	Medicine	Year	Min	Median	Max	Follow-up	No. of studies	Species
	The sale of oral artemisinin-based monotherapies (oAMTs) is banned	is banned	2009	AL	2010-2017	0	0	4	28 days	20	<i>P. falciparum</i>
	Single dose of primaquine (0.25 mg base/kg) is used as gametocidal medicine for <i>P. falciparum</i>	Yes	1982	AS+SP	2010-2017	0	0	21.4	28 days	55	<i>P. falciparum</i>
	Primaquine is used for radical treatment of <i>P. vivax</i>	Yes	1982	CQ	2010-2016	0	0	0.1	28 days	10	<i>P. vivax</i>
	G6PD test is a requirement before treatment with primaquine	No	-								
Surveillance	Directly observed treatment with primaquine is undertaken	No	-	Resistance status by insecticide class (2010-2017) and use of class for malaria vector control (2017)							
	System for monitoring of adverse reaction to antimalarials exists	Yes	-	Insecticide class	Years	(%) sites ¹	Vectors ²	Used ³			
	ACD for case investigation (reactive)	Yes	-	Carbamates	2013-2017	80% (70)	<i>An. culicifacies</i> s.l., <i>An. stephensi</i>	No			
	ACD at community level of febrile cases (pro-active)	Yes	-	Organochlorines	2010-2017	93.9% (82)	<i>An. culicifacies</i> s.l., <i>An. fluviatilis</i>	Yes			
	Mass screening is undertaken	Yes	-	Organophosphates	2010-2017	92.42% (66)	<i>An. culicifacies</i> s.l., <i>An. stephensi</i>	Yes			
Uncomplicated <i>P. falciparum</i> cases routinely admitted	No	-	Pyrethroids	2010-2017	66.5% (200)	<i>An. culicifacies</i> s.l., <i>An. stephensi</i>	Yes				
Uncomplicated <i>P. vivax</i> cases routinely admitted	No	-	¹ Percent of sites for which resistance confirmed and total number of sites that reported data (n) ² Principal vectors that exhibited resistance ³ Class used for malaria vector control in 2017								
Case and foci investigation undertaken	No	-									
Case reporting from private sector is mandatory	No	-									

III. Charts

Sources of financing

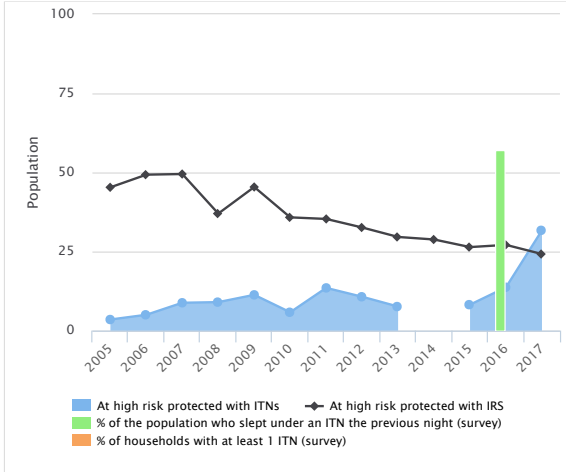


Government expenditure by intervention in 2017



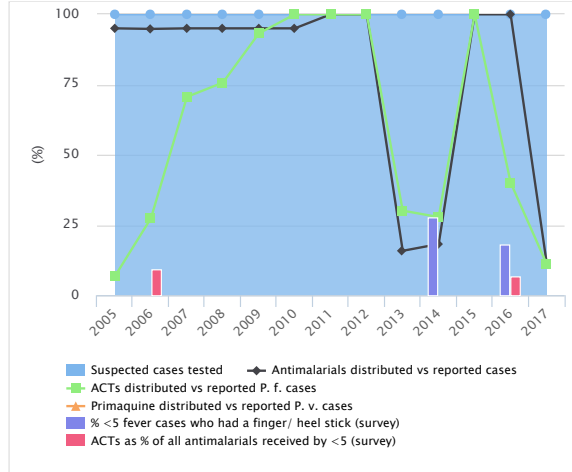
IV. Coverage

Coverage of ITN and IRS



Source: NFHS (est.) 2016

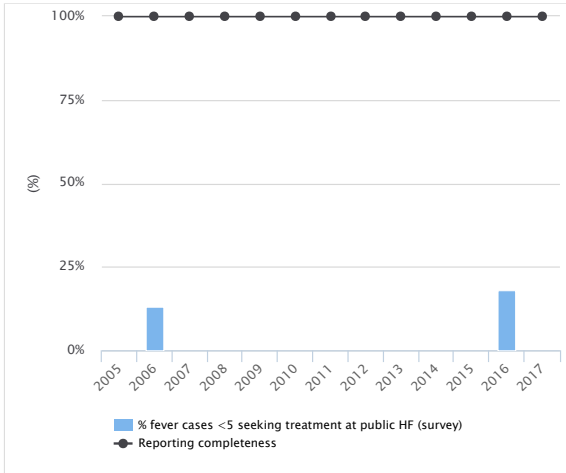
Cases tested and treated in public sector



Source: DHS 2006, 2016, RSOC (est.) 2014

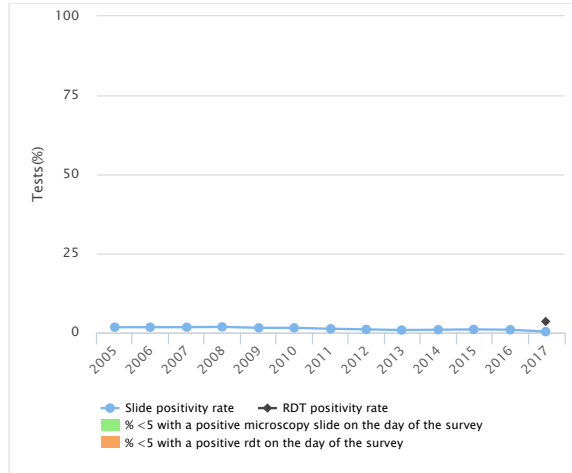
V. Impact

Cases treated



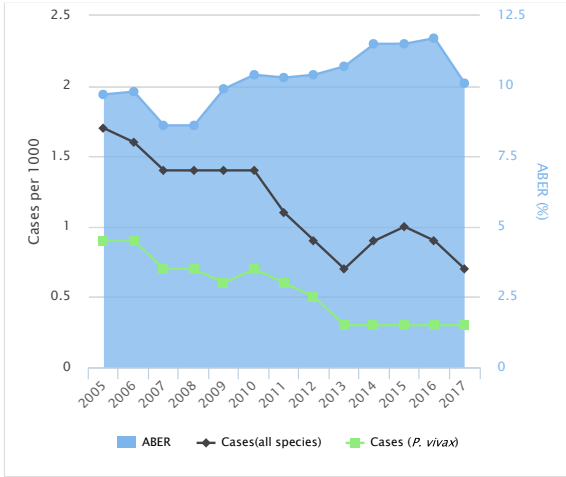
Source: DHS 2006, 2016

Test positivity

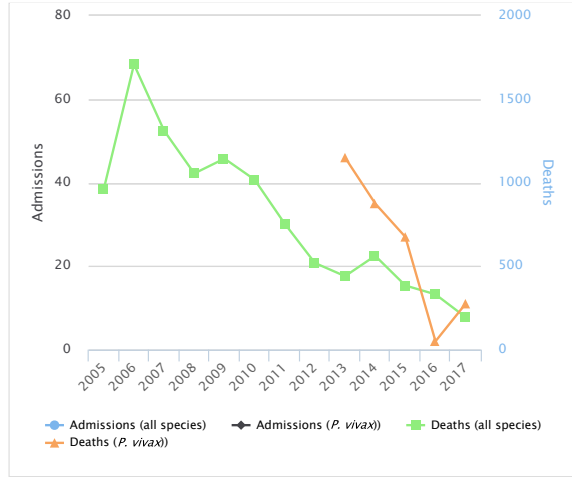


V. Impact

Confirmed malaria cases per 1000 and ABER



Malaria admissions and deaths



Footnotes
(est) : WHO estimates based on the survey