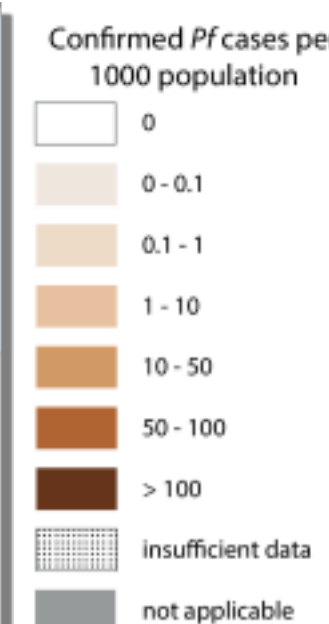
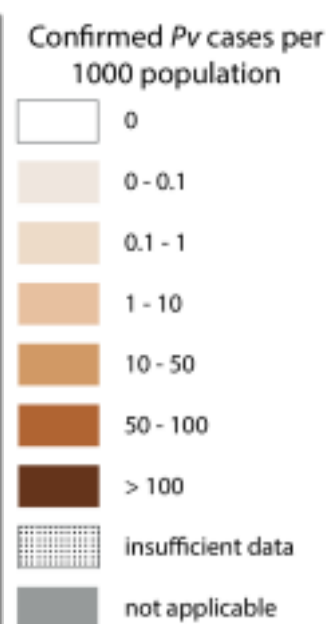
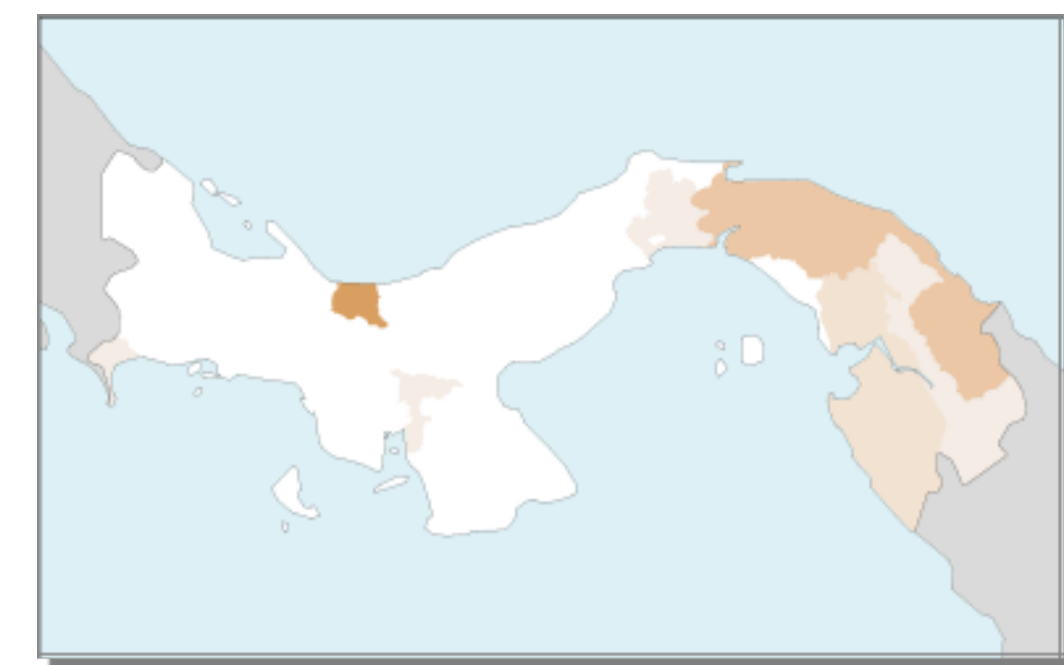


Panama

Region of the Americas



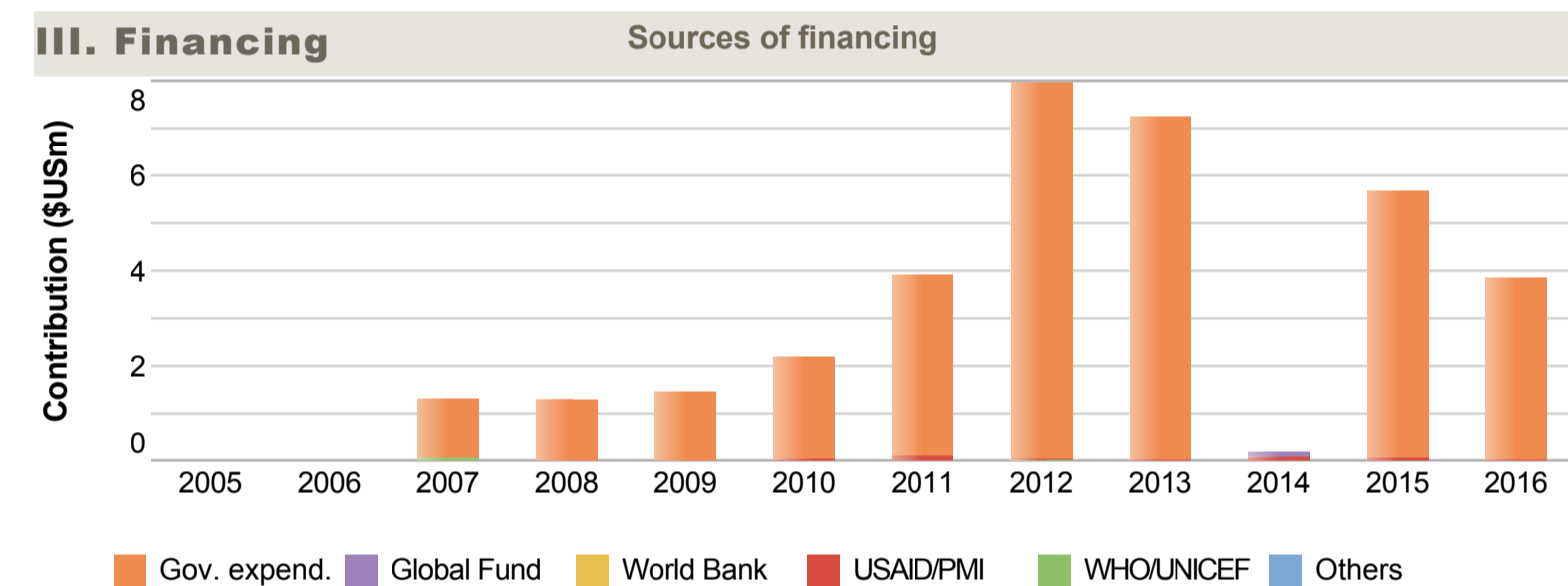
I. Epidemiological profile

Population (UN)	2016	%	Parasites and vectors
High transmission (> 1 case per 1000 population)	170,000	4	Plasmodium species: <i>P. falciparum</i> (3%), <i>P. vivax</i> (97%)
Low transmission (0-1 cases per 1000 population)	3,730,000	93	Major anopheles species: <i>An. albimanus</i> , <i>An. pseudopunctipennis</i> , <i>An. punctimacula</i> , <i>An. aquasalis</i> , <i>An. darlingi</i>
Malaria-free (0 cases)	131,000	3	Reported confirmed cases (health facility): 769 Estimated cases: 900 [800-1,000]
Total	4,034,000		Confirmed cases at community level: - Reported deaths: 0 Estimated deaths: 0

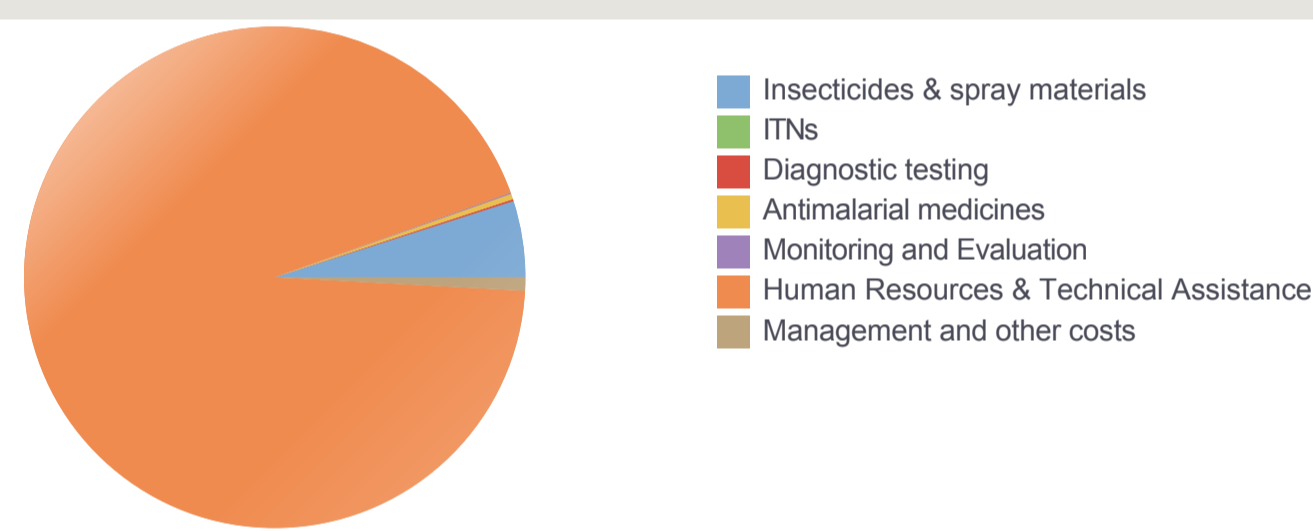
II. Intervention policies and strategies

Intervention	Policies/strategies	Yes/No	Adopted	Antimalarial treatment policy	Medicine	Year adopted					
ITN	ITNs/ LLINs distributed free of charge	No	2012	First-line treatment of unconfirmed malaria	-	-					
	ITNs/ LLINs distributed to all age groups	No	-	First-line treatment of <i>P. falciparum</i>	AL+PQ(1d)	2012					
IRS	IRS is recommended	Yes	1957	Treatment failure of <i>P. falciparum</i>	AS+M	-					
	DDT is authorized for IRS	No	-	Treatment of severe malaria	QN	-					
Larval control	Use of larval control recommended	Yes	1957	Treatment of <i>P. vivax</i>	CQ+PQ(7d); CQ+PQ(14d)	-					
IPT	IPT used to prevent malaria during pregnancy	N/A	-	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	1957	Type of RDT used		-					
	Malaria diagnosis is free of charge in the public sector	Yes	1957								
Treatment	ACT is free of charge for all ages in public sector	Yes	-	Therapeutic efficacy tests (clinical and parasitological failure, %)							
	The sale of oral artemisinin-based monotherapies (oAMTs)	Is banned	-	Medicine	Year(s)	Min	Median	Max	Follow-up	No. of studies	Species
	Single dose of primaquine is used as gametocidal medicine for <i>P. falciparum</i>	Yes	-	Insecticide resistance tests (mosquito mortality, %)							
	Primaquine is used for radical treatment of <i>P. vivax</i>	Yes	-	Insecticide class	Years	Min	Mean	Max	No. of sites	Species	
	G6PD test is a requirement before treatment with primaquine	No	-	Carbamates	2011-2011	0.6	0.6	0.6	1	<i>An. albimanus</i>	
	Directly observed treatment with primaquine is undertaken	Yes	-								
	System for monitoring adverse reactions to antimalarials exists	No	-								
Surveillance	ACD for case investigation (reactive)	Yes	2000								
	ACD of febrile cases at community level (pro-active)	Yes	2000								
	Mass screening is undertaken	Yes	2000								
	Uncomplicated <i>P. falciparum</i> cases routinely admitted	No	-								
	Uncomplicated <i>P. vivax</i> cases routinely admitted	No	-								
	Foci and case investigation undertaken	-	-								
	Case reporting from private sector is mandatory	Yes	-								

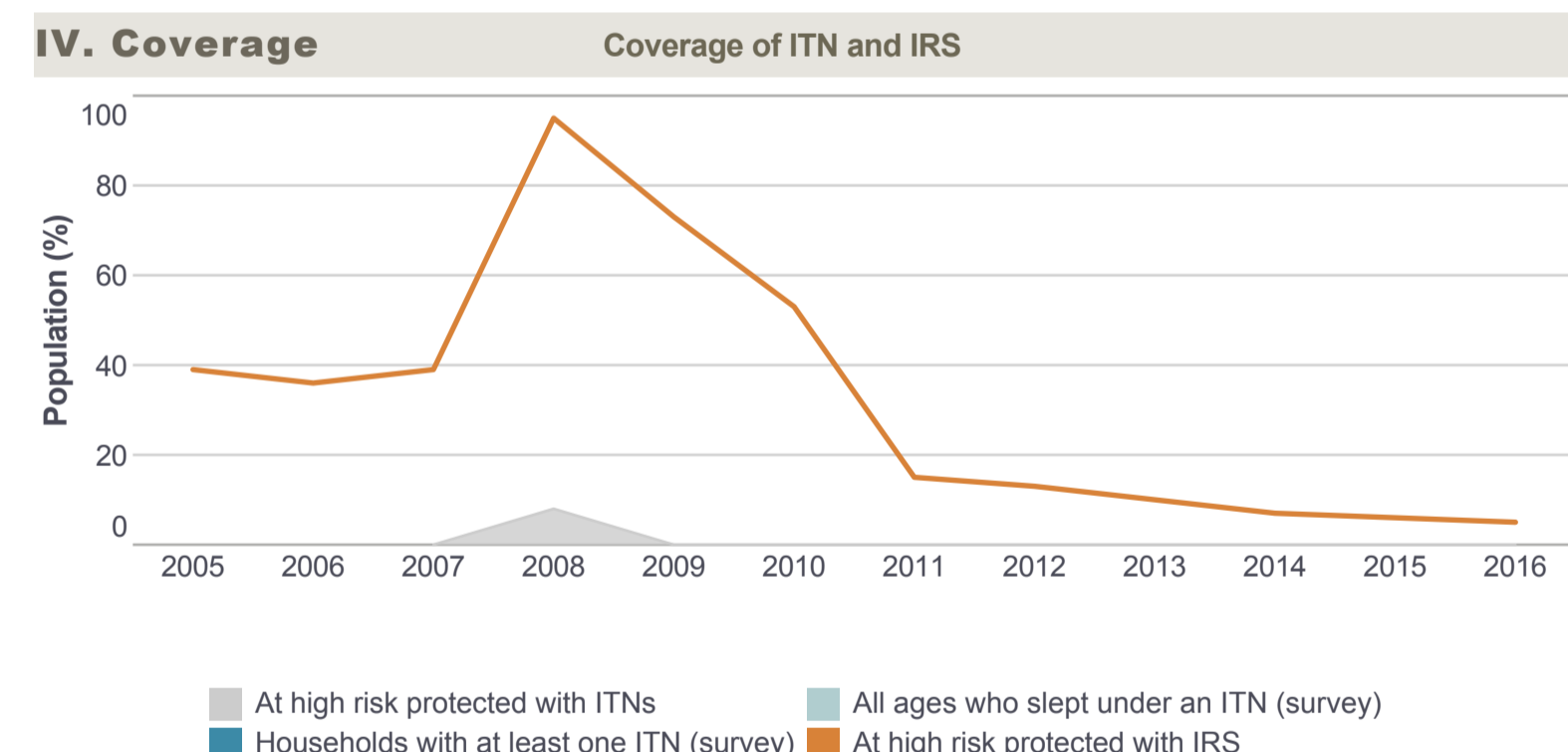
III. Financing



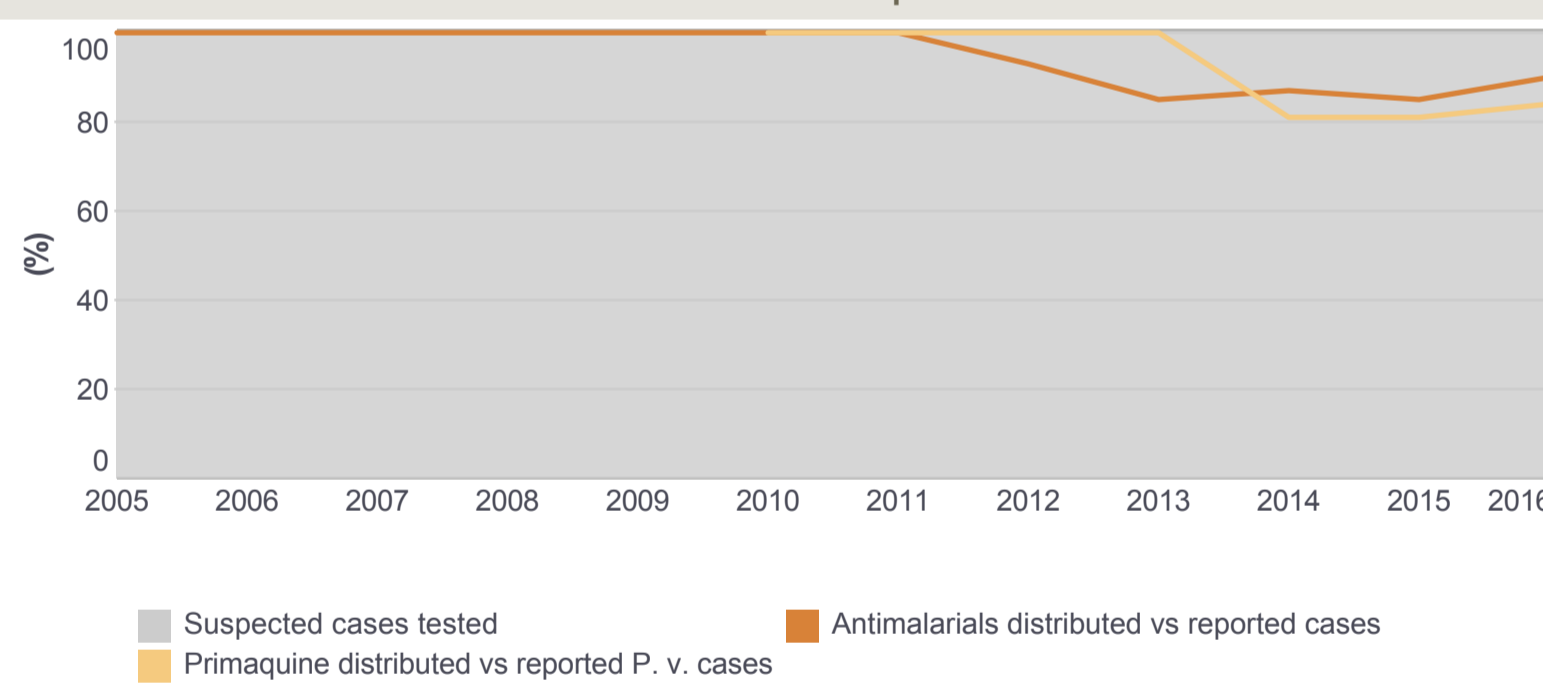
Government expenditure by intervention in 2016



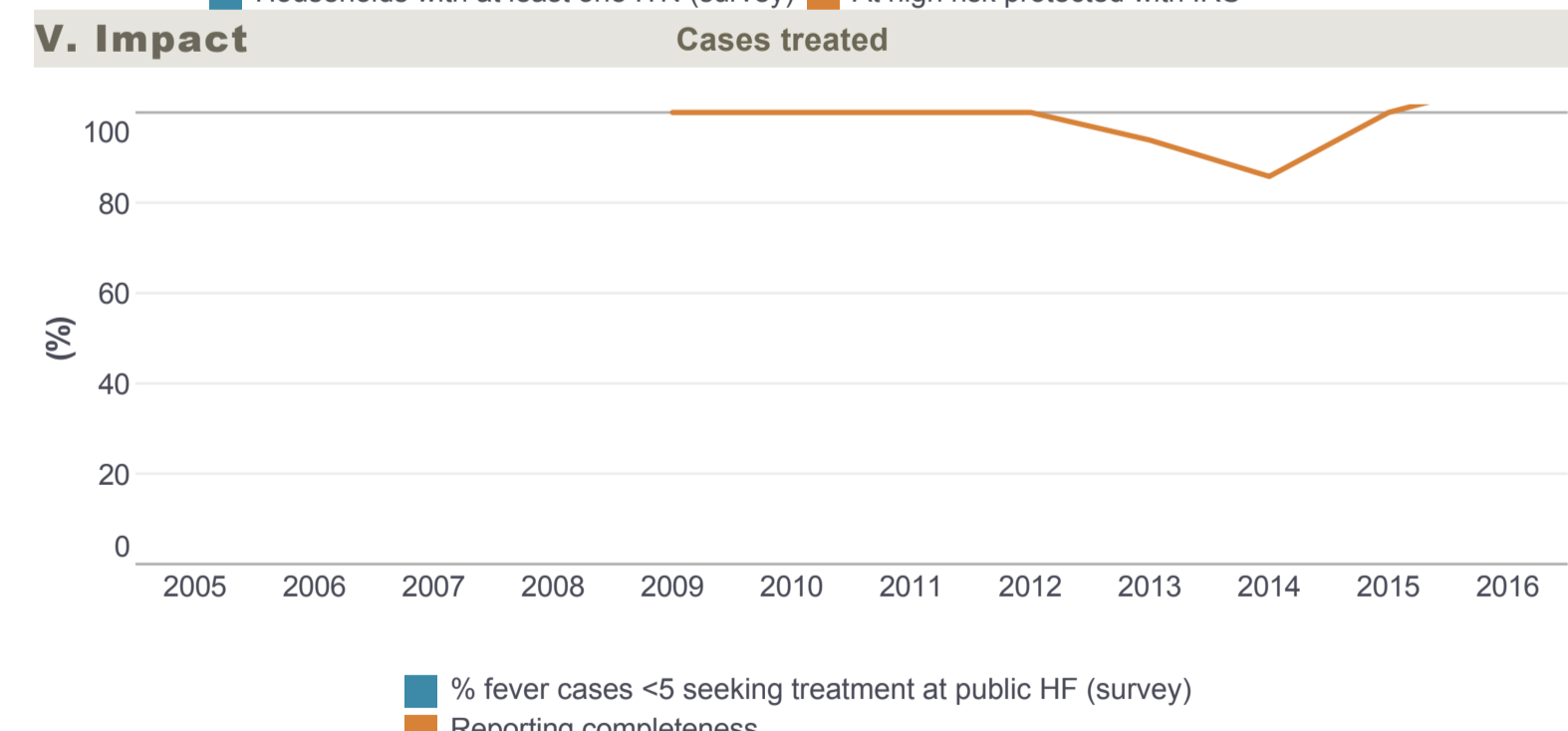
IV. Coverage



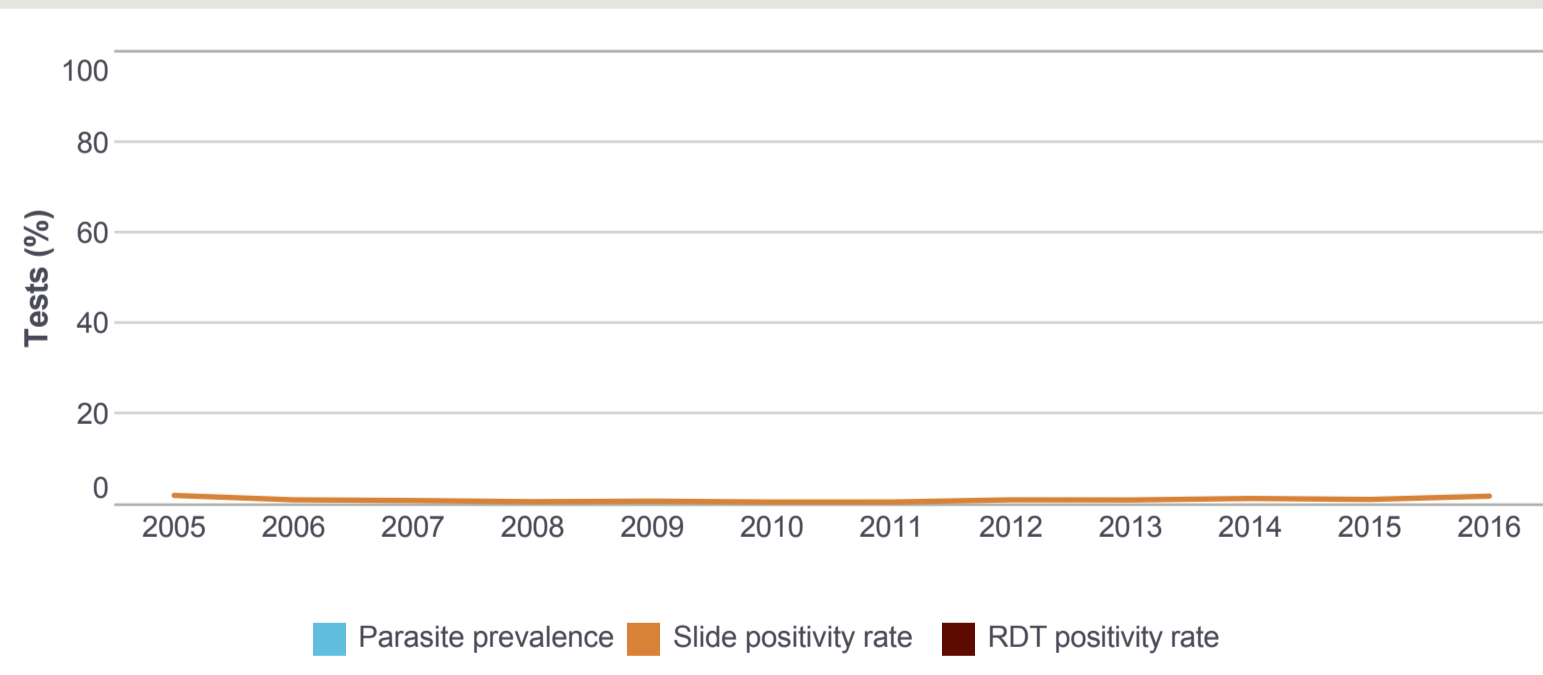
Cases tested and treated in public sector



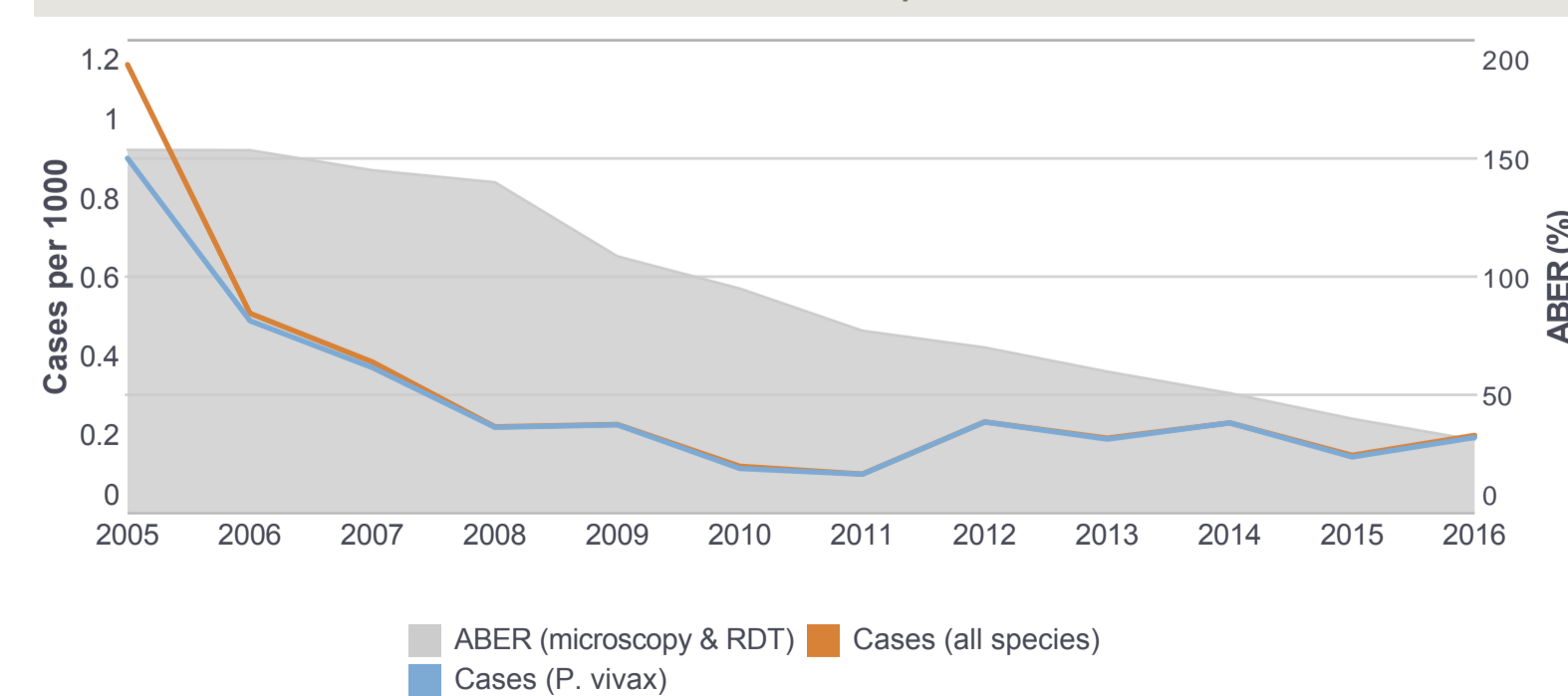
V. Impact



Test positivity



Confirmed malaria cases per 1000 and ABER



Malaria admissions and deaths

