

Table 1

Study area (year)	Perspective & scope	% <i>P. vivax</i> cases	Drummond's criteria	Intervention	Cost 2013 USD	Cost-effectiveness 2013 USD
Diagnosis						
Amazon, Brazil (2006) ¹⁹	provider serv. incl.	67%	10/10	<i>Pf/Pv</i> RDT (OptiMal) microscopy microscopy vs OptiMal	4.95 per test not provided	5.94 per case adequately diagnosed 7.85 per case adequately diagnosed 635.45 per additional case adequately diagnosed
Sri Lanka (2001-2002) ⁸²	provider serv. incl.	70%	8/10	ICT <i>Pf/Pv</i> assay (70% sensitivity) microscopy	4.93 per test	14.36-143.62 per <i>Pv</i> infection detected 0.74-7.35 per <i>Pv</i> infection detected
Manila, Palawan, Philippines (2009) ⁸³	provider	NA	NA	RDT (private sector: Panbio, Parascreen, Parabank, Paraview)	4.13 – 13.03 per RDT	no effectiveness data
Diagnosis and treatment						
Afghanistan (provider) (2009-2012) ³²	provider serv. incl.	≥90%	10/10	<i>Moderate transmission</i> <i>Pf/Pv</i> RDT (CareStart)	2.08 per RDT	2.82 per patient tested & treated
				microscopy	2.05 per test by microscopy	2.82 per patient tested & treated
				<i>Low transmission</i> <i>Pf/Pv</i> RDT (CareStart)	1.30 per RDT	2.06 per patient tested & treated
				microscopy	8.32 per test by microscopy	9.77 per patient tested & treated
Afghanistan (societal) (2009-2012) ³²	societal serv. incl.	≥90%	10/10	<i>Moderate transmission</i> <i>Pf/Pv</i> RDT (CareStart)		10.32 per patient tested & treated
				microscopy		10.64 per patient tested & treated
				<i>Low transmission</i> <i>Pf/Pv</i> RDT (CareStart)		14.66 per patient tested & treated
				microscopy		22.38 per patient tested & treated
Tigray, Ethiopia (2006) ⁸⁴	provider	31.5%	9/10	presumptive treatment	0.69-2.77 per course (AL)	12.80 per malaria case treated
				<i>Pf</i> RDT (Paracheck) + treatment	0.68 per test	5.38 per malaria case treated
				<i>Pf/Pv</i> RDT (Parascreen) + treatment	1.21 per test	7.88 per malaria case treated

Madang, East Sepik, Papua New Guinea (2005-2007) ²⁸	societal serv. incl.	30%	10/10	CQ + SP (base case)	0.03 per treatment	4.36 per <i>Pv</i> case treated
				ARTS + SP	0.43 per treatment	4.98 per <i>Pv</i> case treated
				DHA + PPQ	0.27 per treatment	4.25 per <i>Pv</i> case treated
				AL	0.29 per treatment	5.62 per <i>Pv</i> case treated
				ARTS+SP vs CQ+SP		0.62 per <i>Pv</i> case treated
				DHA+PPQ vs to CQ+SP		-0.11 per <i>Pv</i> case treated
				AL vs CQ+SP		1.26 per <i>Pv</i> case treated
Rakhine State, Myanmar (1998 - 1999) ⁴⁶	provider serv. incl.	52%	9/10	EDAET (RDT + AL/(CQ+PQ)) ^P	0.30 per <i>Pv</i> treatment	1.05 per child year
					0.62 per <i>Pf</i> treatment	19 per DALY averted
					0.80 per RDT	
Amazon, Brazil (2009 – 2011) ^{24, 44}	provider serv. incl.	83%	9/10	<i>Pv</i> microscopy	8.85 – 11.27 per test	
				CQ (3 days)	0.12 per treatment	
				CQ (3 days) + PQ (7 days)	0.23 per treatment	
				CQ + prophylaxis (12 weeks)	0.28 per treatment	
				<i>G6PD</i> diagnosis:		
				CS-G6PD vs routine	4.14 per test	4.30 per adequately diagnosed case
				BX-G6PD vs routine	9.81 per test	9.96 per adequately diagnosed case
				CS-G6PD vs BX-G6PD		2.99 per adequately diagnosed case

Table 2

Study area (year)	Perspective & scope	% <i>P. vivax</i> cases	Drummond's criteria	Intervention	Cost 2013 USD	Cost-effectiveness 2013 USD
Rakhine State, Myanmar (1998 - 1999) ⁴⁶	provider serv. incl.	52%	9/10	ITNs vs control	10.00 per net distributed 5.56 per person protected	51 per DALY averted
				ITNs + EDAET ¹ vs EDAET alone		148 per DALY averted
Thailand, villages near Myanmar border (1993-1994) ^{54, 86}	provider serv. incl.	20-33%	9/10	control (surveillance only)	3.43 per person at risk	
				ITNs (impregnation only)	0.55 per person protected	7.89 per case averted (compared to control)
				IRS (DDT)	1.32 per person protected	16.54 per case averted (compared to control)
				ITNs (impregnation only) + control	2.28 per person protected	- 16.80 per case averted*
				IRS (DDT) + control	2.80 per person protected	- 7.88 per case averted*
Gujarat, India (1997-1998) ⁵⁵	societal serv. incl.	NA	10/10	ITNs vs control (EDPT ²)	3.52 per net distributed 2.25 per person protected	74.84 per case averted
				IRS (cyclthrin) vs control (EDPT)	10.77 per house sprayed 2.05 per person protected	126.39 per case averted
				ITNs vs IRS (cyclthrin)		32.36 per case averted
Ninh Thuan, Vietnam forest ^s (2012) ⁵⁷	societal serv. incl.	47%	10/10	long-lasting insecticide treated hammock versus control	11.93 per hammock	127.85 per case averted
Colombia (2000-2001) ⁵⁶	provider serv. incl.	NA	6/10	ITN impregnation (twice yearly)	6.71 – 16.32 per net impregnated 4.87 – 11.19 per person protected	No effectiveness data
				IRS (lambdacyhalothrin, twice yearly)	48.43 – 62.90 per house 9.74 – 13.55 per person protected	
Solomon Islands (1989-1990) ⁸⁷	provider serv. incl.	NA	6/10	ITNs IRS (DDT)	3.71 per person protected 8.22 per person protected	No effectiveness data
Hoa Binh, Vietnam mountain (1996) ⁸⁸	provider serv. incl.	NA	6/10	ITNs (5 year duration)	1.34 per person year	No effectiveness data
				ITN (impregnation only, twice yearly)	0.48 per person year	
				IRS (lambdacyhalothrin, once yearly)	0.70 per person year	

Figure 1

