

**Table S1.** Point estimates and 95% confidence intervals for logistic dose-response model fit to data on rapid diagnostic test positivity as a function of HRP2 concentration in six field surveys

Coefficient	Angola		Mozambique	Mozambique	Haiti	Senegal
	Huambo	Angola Uíge	2013	2014		
$\beta_0$	-8.9 (-11.2--7.2)	-9.1 (-10.8--7.8)	-4.4 (-5.0--3.9)	-3.4 (-3.9--2.9)	-6.8 (-7.9--6.0)	-8.7 (-11--7.1)
$\beta_1$	2.4 (1.9-2.9)	2.7 (2.3-3.2)	2.2 (1.9-2.4)	1.8 (1.6-2.0)	2.1 (1.6-2.7)	2.4 (2-2.9)

$$\frac{P(RDT +)}{1 - P(RDT +)} = \exp(\beta_0 + \beta_1 \log[HRP2])$$