## S1 Table

Table of Notations.

## Table 1. Table of Notations.

Village o	characteristics
V	set of villages $v$
$N_v$	population size of village $v$
$p_{vn}$	participation fraction in the $n^{th}$ screening round for village $v$
$S_{vn}$	time at which the $n^{th}$ screening round in village $v$ is performed
$\begin{array}{c} S_{vn}^+ \\ S_{vn}^- \end{array}$	moment immediately after the $n^{th}$ screening round in village $v$
$S_{vn}^{-}$	moment just before the $n^{th}$ screening round in village $v$
$s_{vn}$	time between the $n-1^{th}$ and the $n^{th}$ screening round in village v
$\delta_v^-(t)$	time since the last screening round in village $v$ before time $t$
$\tilde{\mu}_v$	average screening frequency in village $v$ during 5 consecutive years
$\bar{\mu}_v(S_{vn})$	average screening frequency in the 3 years prior to the $n^{th}$ screening round in village v
	ace level notations
$x_v(t)$	prevalence level (fraction) in village $v$ observed at time $t$
$f_v(t)$	expected prevalence level (fraction) in village $v$ at time $t$
$\varepsilon_v$	random disturbance for the prevalence level (fraction) in village $v$
$\tilde{x}_v$	average observed prevalence level (fraction) in village $v$ during 5 consecutive years
$\bar{x}_v(S_{vn})$	average observed prevalence level (fraction) in the 3 years prior to the $n^{th}$ screening round in village $n$
Predictio	on model notations
$\alpha_v$	fixed effect for village $v$
$K_v$	carrying capacity of village $v$
κ	growth rate parameter
$A_{vn}$	initial value parameter for screening round $n$ in village $v$
$e_{vn}$	prediction error/ fitting deviation for screening round $n$ in village $v$
$w_{vn}$	weight of observation $n$ for village $v$
Disease	characteristics
r	yearly removal rate for HAT
$R_0$	basic reproduction number for HAT
s	sensitivity of the diagnostic test
Screen in	g policy analysis notations
au	fixed time interval for screening rounds
$\bar{f}_{n,n+1}$	expected average prevalence level between the $n^{th}$ and the $(n+1)^{th}$ screening round