

Supplementary table: Summary of data sources

Manuscript figure	Dataset	Data type	Source	Method used to generate data	Time period
Figure 2C	<i>Plasmodium falciparum</i> endemicity (PfPR)	Raster	Malaria Atlas Project (www.map.ox.ac.uk)	Geostatistical modelling	2010-2015
Figure 2E	Digital Elevation	Raster	Shuttle Radar Topography Mission (SRTM)	Remote sensing	n.a.
Figure 2F	Rainfall (mean annual total)	Raster	NASA Tropical Rainfall Measuring Mission (TRMM)	Remote sensing	2010-2014
Figure 2G	Temperature suitability	Raster	Malaria Atlas Project; Weiss <i>et al</i> 2015	Remote sensing and modelling	n.a.
Figure 2H	Land-cover use	Raster	IGBP MODIS annual landcover product MCD12Q1	Remote sensing	ca. 2015
Figure 3A (case data)	Reported RDT+ cases	Case data	NMCP, Madagascar	Routine health metric reporting system	2010-2015
Figure 3B (population data)	Case incidence	Census data	Ministry of Health, Madagascar	Population census (1993) adjusted to fixed growth rate	2010-2015
Figure 4A	Count of health facility reports	Health facility reports	NMCP, Madagascar	Routine health system reporting	2010-2015
Figure 4B	RDT result reporting rate	Health facility reports	NMCP, Madagascar	Routine health system reporting	2014
Figure 4C	RDT stock-out incidence	Health facility reports	NMCP, Madagascar	Routine health system reporting	2012-2014
Figure 5A	Population density map	Raster	WorldPop (www.worldpop.org)	Geostatistical modelling adjusted to UN population estimates	2015
Figure 5B	Health centre accessibility to population	Health facility reports	NMCP, Madagascar	Health facility reporting	ca. 2015
Figure 5C	Health centre accessibility to health district offices	Health facility reports	NMCP, Madagascar	Health facility reporting	ca. 2015
Figure 6	Documented outbreaks	Health facility reports	NMCP, Madagascar	Integrated Diseases Surveillance and Response System	2012-2015
Figure 7	<i>Superimposes Figure 3B with Figure 6</i>				
Additional file 2	<i>Plasmodium falciparum</i> endemicity (PfPR)	Raster	Malaria Atlas Project (www.map.ox.ac.uk)	Geostatistical modelling	2010-2015
Additional file 4	Reported RDT+ cases	Case data	NMCP, Madagascar	Routine health metric reporting system	2010-2015