## Figure S1. Tornado diagram, Strategy 1 (scenario A)



Tornado Diagram - ICER

Tornado diagrams show the range of ICERs generated by calculating the model over all plausible values of each parameter. They display the effect of uncertainty on the incremental cost-effectiveness ratio (ICER) of strategy 1 under scenario A. The blue portion of the bar represents the ICER range when the parameter is lower than its base-case value. Conversely, the red portion is the ICER range obtained when an input value is higher than the one considered in the base-case. The wider each bar, the larger the impact of uncertainty on the ICER. Parameters that have the greatest impact are placed at the top, giving a tornado-shape to the graph.

## Tornado Diagram - ICER Reimbursement CP 0% vs. Reimbursement CP 65% (scenario A) p\_recourseCP\_noR (0.5 to 0.82) p\_malaria\_noCP (0.01217 to 0.0032) p\_recourseCP\_R (0.928 to 0.8) p\_compliance\_ATVP (0.92 to 0.64) p compliance DOXY (0.792 to 0.42) c\_malaria\_hospital (7179.52 to 896.65) c\_ATVP (42.08 to 47.78) p\_malaria\_DOXY (0.00008 to 0.00243) c\_DOXY (23.81 to 30.059) p\_malaria\_ATVP (0.0000672 to 0.0010285) p\_eff\_DOXY (0.975 to 0.799) p\_eff\_ATVP (0.979 to 0.915) p\_compliance\_MFQ (0.89 to 0.56) p\_malaria\_MFQ (0.000128 to 0.002299) p hospital (0.871 to 0.59) p\_eff\_MFQ (0.96 to 0.81) p\_SE\_ATVP (0.02 to 0.11) p\_SE\_DOXY (0.02 to 0.1) c\_SE (16.5 to 21.88) c MFQ (34.66 to 35.56) p\_SE\_MFQ (0.06 to 0.15) c\_malaria\_ambu (272.93 to 181.83) EV: 23,392.24562511359 BI population (914890 to 1219853) A5.000 6,000 5,000 60,000 5,000 10,000 500 60,000 5,000 00,000 5,000 0,000 0,000 0,00 5,00 0,00 5,00 0,00 5,00 0,00

Figure S2. Tornado diagram, Strategy 3 (scenario A)

## Figure S3. Incremental Cost-Effectiveness scatterplot, Strategy 1 Scenario B



Figure S4. Incremental Cost-Effectiveness scatterplot, Strategy 3 Scenario B

Incremental Cost-Effectiveness, Reimbursement CP 65% (Scenario B) v. Reimbursement CP 0%



-0,0002 0 0,0002 0,0004 0,0006 0,0008 0,001 0,0012 0,0014 0,0016 0,0018 0,002 0,0022 0,0024 0,0026 0,0028 0,003 0,0032 0,0034 0,0036 0,0038 Incremental Effectiveness