

Annex 3 Statistical analysis of the evolution of parasite prevalence in Barragem (S= significant difference; NS= non-significant difference) (before * = years 2007-2008; outbreak **= years 2015-2016-2018; after ***= years 2009 to 2018)

Years compared	χ^2	OR	Conclusion
2007 vs 2008	26.8	0.51 [0.40-0.66]	S
2008 vs 2009	63.2	0.31 [0.23-0.42]	S
2009 vs 2010	25.9	0.33 [0.21-0.52]	S
2010 vs 2011	0.0001; $p=0.99$	1.00 [0.43-2.34]	NS
2011 vs 2012	1.67; $p= 0.19$	0.50 [0.17-1.48]	NS
2015 vs 2016	3.76; $p=0.052$	0.38 [0.14-1.04]	NS*
2016 vs 2018	1.18; $p=0.27$	0.59 [0.23-0.49]	NS
2016 vs 2007	15.7	0.23 [0.10-0.49]	S
2016 vs 2008	4.33	0.44 [0.20-0.96]	S
2018 vs 2007	10.7	0.38 [0.21-0.69]	S
2018 vs 2008	1.01; $p=0.31$	0.74 [0.41-1.33]	NS
Before* vs outbreak**	52.8	0.26 [0.18-0.38]	S
Before* vs after***	480	0.12 [0.10-0.15]	S