

Supplementary Data S2, Table S1. Gastroenteritis severity based on Ruuska and Vesikari scores among children presenting with gastroenteritis at the Queen Elizabeth Central Hospital in Blantyre, Malawi between the pre- (December 2011 – October 2012) and post-vaccine (November 2012 – October 2019) introduction periods.

November 2012 – October 2017) introduction periods.									
Age (Mons ⁴)	Vaccination period						Comparison between vaccination periods		
	Pre-Rotarix® ¹		Post-Rotarix® Unvaccinated ²		Post-Rotarix® Vaccinated ³		Pre-Rotarix® vs Post-Rotarix® Unvaccinated	Pre-Rotarix® vs Post-Rotarix® Vaccinated	Post-Rotarix® Vaccinated vs Post- Rotarix® Unvaccinated
	Number of samples	Vesikari scores(\bar{x})	Number of samples	Vesikari scores(\bar{x})	Number of samples	Vesikari scores(\bar{x})	<i>p</i> -values		
All gastroenteritis cases ⁵									
<6	72	12.2	49	12.6	248	10.7	0.488	< 0.001	0.058
6 – 11	203	13.5	183	13.2	1128	11.3	0.228	< 0.001	< 0.001
12 – 23	94	13.8	217	13.5	712	10.8	0.19	< 0.001	< 0.001
24 – 59	32	13.2	85	12.3	136	9.5	0.084	< 0.001	< 0.001
0 – 59	401	13.3	534	13	2224	11	0.194	< 0.001	< 0.001
Rotavirus positive gastroenteritis cases ⁶									
<6	45	12.3	24	12.6	61	10.4	0.36	0.001	0.17
6 – 11	94	13.7	62	13.9	353	11.1	0.352	< 0.001	< 0.001
12 – 23	35	14.2	77	13.9	213	10.7	0.364	< 0.001	< 0.001
24 – 59	2	13.5	16	12.8	24	9.2	0.496	0.006	< 0.001
0 – 59	176	13.4	177	13.6	652	10.9	0.421	< 0.001	< 0.001
Rotavirus negative gastroenteritis cases ⁷									
<6	27	12	25	12.6	187	10.8	0.549	0.044	0.156
6 – 11	104	13.4	121	12.9	773	11.4	0.128	< 0.001	< 0.001
12 – 23	58	13.6	140	13.2	498	10.9	0.269	< 0.001	< 0.001
24 – 59	30	13.2	71	12.2	110	9.6	0.045	< 0.001	< 0.001
0 – 59	219	13.3	357	12.8	1568	11	0.046	< 0.001	< 0.001

¹Before Rotarix® was introduced. ² Rotarix®-unvaccinated children during the Rotarix® period. ³ Rotarix®-vaccinated children during the Rotarix® period. ⁴Age in months. ⁵Compares severity of gastroenteritis between vaccination periods and vaccination status amongst different age groups for all gastroenteritis cases. ⁶Compares severity of gastroenteritis between vaccination periods and vaccination status amongst different age groups for rotavirus-related gastroenteritis cases. ⁷Compares severity of gastroenteritis between vaccination periods and vaccination status amongst different age groups for non-rotavirus related gastroenteritis cases. Vesikari scores = Ruuska and Vesikari scores.