

## Appendix

**Supplementary Table 1: Characteristics of intussusception cases with (included in analysis) and without (excluded from analysis) vaccination status available**

Characteristic	With vaccination status available N=346	Without vaccination status available N=28	p-value
Age in weeks (median, IQR)	26 (20–30)	26 (23–31)	0.540*
Male (n, %)	180 (52)	16 (57)	0.602#
Black race (n, %)	282 (82)	26 (93)	0.195^
HIV-infected (n/N, %)	1/184 (0.5)	0/16 (0)	–
HIV-exposed (n/N, %)	32/184 (17)	5/16 (31)	0.183^
Time between symptom onset and hospitalization (median, IQR)	3 (1–4)	3 (1–4)	0.892*

IQR – interquartile range;

\*Wilcoxon rank-sum

#Chi-squared

^Fisher's exact

**Supplementary Table 2: Relative incidence of intussusception<sup>#</sup> in the risk windows after the first and second doses of monovalent rotavirus vaccine – self-controlled case series analysis**

Dose of RV1	Risk period	No of cases	Relative incidence (95% CI)
1	Day 1–7	0	0
	Day 8–21	4	3.23 (0.45–11.92)
	Day 1–21	4	2.50 (0.31–7.89)
2	Day 1–7	9	0.98 (0.38–1.94)
	Day 8–21	22	1.13 (0.60–1.89)
	Day 1–21	31	1.08 (0.65–1.71)

Relative incidence is a ratio of the incidence within the risk window versus the incidence in all other observation windows for each infant, calculated with the use of conditional Poisson regression.

<sup>#</sup>The onset of intussusception in the case was considered to be the date of admission.

**Supplementary Table 3: Odds of intussusception<sup>#</sup> in the risk windows after the first and second doses of monovalent rotavirus vaccine – case-control analysis**

Dose of RV1	Risk period	No of cases in risk window* N=169	No of controls in risk window* N=169	Odds ratio (95% CI)
1	Day 1–7	0	0	–
	Day 8–21	2	1	2.00 (0.18–22.06)
	Day 1–21	2	1	2.00 (0.18–22.06)
2	Day 1–7	3	1	4.57 (0.42–49.64)
	Day 8–21	12	12	1.29 (0.39–5.63)
	Day 1–21	15	13	1.73 (0.60–5.01)

\*Risk window is number of days prior to the reference date (date of admission in cases; date on which controls were the same age as cases were on admission)

<sup>#</sup>The onset of intussusception in the case was considered to be the date of admission.