

Table S1. Hospitalization rate decrease for "any kind of childhood seizures" (780.3*+779.0*+333.2*+345* ICD-9-CM codes) and "convulsions" (780.3* ICD-9-CM codes) for different age groups in children <5 years-old from 2007 to 2013 compared to the *mean rates* in the pre-vaccination period. Results are presented as percentage of decrease with 95% CI between parentheses. Admission rates are also shown for the different post-vaccination years and the pre-vaccination period. The significant decreases that are also related to rotavirus enteritis (see Table 2) are highlighted in bold.

Age (years)		Any kind of childhood seizures (780.3*+779.0*+333.2*+345* ICD-9-CM codes)							Convulsions (780.3* ICD-9-CM codes)						
		2007	2008	2009	2010	2011	2012	Pre-vaccination period (2003-2006)	2007	2008	2009	2010	2011	2012	Pre-vaccination period (2003-2006)
<1	Admission rate (1/100,000)	702.8	591.6	645.2	617.7	727	688.7	802.6	376.5	305.7	283.1	306.5	348.9	302.9	477.0
	Hospitalization rate decrease	12.5% (-5.2, 27.3%)	26.4% (10.5, 39.6%)	19.7% (3.4, 33.3%)	23.2% (7.0, 36.5%)	9.5% (-8.3, 24.4%)	14.3% (-3.0, 28.7%)			21.2% (-1.2, 38.6%)	36.0% (16.2, 51.2%)	40.8% (22.2, 54.9%)	35.9% (16.3, 50.9%)	26.9% (5.8, 43.3%)	36.6% (17, 51.6%)
1-2	Admission rate (1/100,000)	842.6	859.1	622.6	657.3	694.9	622.0	1197.4	753.1	738.4	495.3	537	566.6	504.0	1023.0
	Hospitalization rate decrease	29.9% (17.7, 40.3%)	28.5% (16.2, 39.0%)	48.3% (38.1, 56.8%)	45.4% (35.2, 54%)	42.3% (31.6, 51.3%)	48.4% (38.2, 56.9%)			26.6% (12.9, 38.1%)	28.0% (14.6, 39.3%)	51.8% (41.1, 60.6%)	47.8% (36.9, 56.8%)	44.9% (33.5, 54.3%)	51.0% (40.2, 59.8%)
2-3	Admission rate (1/100,000)	573.8	550.4	536.0	385.8	420.0	502.8	708.4	426.8	416.3	413.4	300.6	360.6	336.7	567.0
	Hospitalization rate decrease	19.1% (1.5, 33.6%)	22.4% (5.4, 36.4%)	24.5% (7.8, 38.1%)	45.7% (31.8, 56.8%)	40.9% (26.8, 52.3%)	29.2% (13.4, 42.1%)			24.8% (5.7, 40.1%)	26.7% (8.0, 41.6%)	27.2% (8.7, 41.9%)	47.1% (31.6, 59.1%)	36.5% (19.9, 49.7%)	40.8% (24.5, 53.5%)
3-4	Admission rate (1/100,000)	363.3	409.4	367.1	304.5	271.2	345.1	380.4	283.1	241.9	217.5	188.1	142.3	227.2	277.6
	Hospitalization rate decrease	4.5% (-22.8, 25.7%)	-7.6% (-36.6, 15.2%)	3.5% (-23.4, 24.6%)	20.0% (-4.2, 38.6%)	28.8% (6.1, 45.9%)	9.3% (-15.9, 29%)			-2.0% (-35.8, 23.4%)	12.9% (-18.0, 35.7%)	21.7% (-7.1, 42.7%)	32.3% (5.8, 51.4%)	48.8% (25.8, 64.7%)	18.2% (-10.3, 39.3%)
4-5	Admission rate (1/100,000)	299.2	195.8	306.6	234.2	209.7	203.7	237.9	169.5	93.2	155.6	117.1	102.6	70.8	138.9
	Hospitalization rate decrease	-25.8% (-68.4, 6.0%)	17.8% (-15.0, 41.2%)	-29.0% (-70.6, 2.5%)	1.6% (-33.9, 27.7%)	11.9% (-21.4, 36.0%)	14.4% (-18.2, 38.1%)			-22.1% (-79.6, 17.0%)	32.9% (-8.1, 58.4%)	-12.0% (-64.8, 23.8%)	15.7% (-29.4, 45.1%)	26.1% (-15.9, 52.9%)	49.0% (13.8, 69.9%)
<5	Admission rate (1/100,000)	557.5	520.7	495.1	439.7	460.2	466.4	664.6	404.8	360	313.3	291.9	304.4	286.4	497.3
	Hospitalization rate decrease	16.2% (8.3, 23.5%)	21.8% (14.2, 28.6%)	25.6% (18.4, 32.2%)	34.0% (27.3, 40.1%)	30.9% (24.0, 37.2%)	30.0% (23.0, 36.3%)			18.7% (9.6, 26.8%)	27.7% (19.3, 35.2%)	37.1% (29.4, 44.0%)	41.4% (34.1, 47.9%)	38.9% (31.4, 45.6%)	42.5% (35.3, 48.9%)

