

Table S2. Hospitalization rate decrease for "any kind of seizures" (780.3*+779.0*+333.2*+345* ICD-9-CM codes) and "convulsion" (780.3* ICD-9-CM codes) for different age groups in children <5 years old from 2007 to 2013 compared to the *lower rate* in the pre-vaccination period for the corresponding age group and pathologies. Results are presented as percentage of decrease with 95% CI between parentheses. Admission rates are also shown for the best admission rate in the pre-vaccination period (the corresponding year is shown between parentheses). The significant decreases that are related to rotavirus acute gastroenteritis 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 best rate (1/100,000)	2007	2008	2009	2010	2011	2012	Pre-vaccination period best rate (1/100,000)
<1	-5.9% (-35.0, 16.9%)	10.9% (-14.6, 30.8%)	2.8% (-23.9, 23.8%)	7.0% (-19.1, 27.4%)	-9.6% (-39.1, 13.7%)	-3.8% (-32.2, 18.5%)	663.8 (2004)	-0.5% (-39.2, 27.5%)	18.5% (-14.8, 42.1%)	24.5% (-6.5, 46.5%)	18.3% (-14.8, 41.8%)	6.9% (-29.4, 33.0%)	19.2% (-13.7, 42.7%)	374.7 (2004)
1-2	17.4% (-1.0, 32.4%)	15.7% (-2.9, 31.0%)	39.1% (24.3, 51%)	35.7% (20.6, 47.8%)	32.0% (16.2, 44.8%)	39.1% (24.4, 51.0%)	1017.9 (2005)	17.6% (-2.4, 33.7%)	19.2% (-0.4, 35.0%)	46.0% (31.2, 57.6%)	41.4% (26.1, 53.5%)	38.1% (22.1, 50.9%)	45.0% (30.1, 56.8%)	912.7 (2004)
2-3	6.0% (-20.7, 26.8%)	9.9% (-15.8, 29.9%)	12.2% (-12.8, 31.7%)	36.9% (17.0, 52.1%)	31.3% (10.6, 47.2%)	17.7% (-6.0, 36.1%)	610.3 (2006)	15.1% (-13.2, 36.3%)	17.2% (-10.4, 37.9%)	17.8% (-9.5, 38.3%)	40.3% (18.4, 56.3%)	28.3% (4.0, 46.5%)	33.1% (9.7, 50.4%)	502.2 (2005)
3-4	-42.5% (-103.1, 0.0%)	-60.7% (-126.9, -13.7%)	-44.0% (-104.5, -1.4%)	-19.4% (-71.7, 17.0%)	-6.3% (-54.3, 26.7%)	-35.3% (-92.1, 4.6%)	255.2 (2005)	-61.8% (-145.6, -6.6%)	-38.2% (-112.2, 10.0%)	-24.3% (-92.2, 19.7%)	-7.4% (-68.3, 31.4%)	18.8% (-31.2, 49.7%)	-29.8% (-98.7, 15.2%)	175.1 (2005)
4-5	-41.1% (-108.9, 4.6%)	7.7% (-41.2, 39.7%)	-44.7% (-112.3, 1.4%)	-10.4% (-65.4, 26.3%)	1.2% (-49.5, 34.7%)	4.0% (-45.6, 36.7%)	212.1 (2006)	-36.1% (-128.3, 18.8%)	25.2% (-34.7, 58.5%)	-24.9% (-109.5, 25.5%)	6.0% (-62.8, 45.7%)	17.6% (-45.1, 53.3%)	43.2% (-6.5, 69.7%)	124.6 (2005)
<5	4.9% (-6.8, 15.4%)	11.2% (0.1, 21.1%)	15.6% (5.0, 25.1%)	25.1% (15.4, 33.7%)	21.6% (11.6, 30.5%)	20.6% (10.5, 29.5%)	586.3 (2004)	6.8% (-6.8, 18.7%)	17.2% (4.8, 27.9%)	27.9% (16.8, 37.6%)	32.9% (22.3, 42%)	30.0% (19.2, 39.4%)	34.1% (23.8, 43.1%)	434.2 (2004)