

Supplementary Online Content

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eTable 1. Estimated numbers and population-adjusted rates of hospital discharges for intussusception among infants, 1997-2009.

eTable 2. Estimated emergency department visits for intussusception for infants, nationwide emergency department sample, 2006-2008.

eFigure. Observed and predicted hospital discharges for intussusception for infants before and after vaccine re-introduction in the United States, from National Inpatient Sample, 1997-2009.

This supplementary material has been provided by the authors to give readers additional information about their work.

eTable 1. Estimated Numbers and Population-Adjusted Rates of Hospital Discharges for Intussusception among Infants, 1997-2009

	Unweighted Hospital Discharges for Intussusception ^{a,b}	Estimated Number of Hospital Discharges for Intussusception ^c (95% CI)	U.S. Population Less than 1 Year of Age ^d	Hospital Discharges for Intussusception per 100,000 Children (95% CI)	Sensitivity Analysis: ^e Hospital Discharges for Intussusception per 100,000 Children (95% CI)
Before vaccine					
1997	715	1565 (1381-1750)	3,762,704	41.6 (36.7 - 46.5)	41.6 (36.7 - 46.5)
2000	780	1522 (1304-1739)	3,976,976	38.3 (32.8 - 43.7)	38.3 (32.8 - 43.7)
2003	910	1561 (1338-1784)	4,074,571	38.3 (32.8 - 43.8)	38.3 (32.8 - 43.8)
2006	927	1548 (1345-1751)	4,245,747	36.5 (31.7 - 41.2)	--
After vaccine					
2009 (predicted) ^f	--	1544 (1295-1792)	--	36.0 (30.2 - 41.8)	35.9 (25.0 - 46.7)
2009 (observed)	959	1428 (1244-1612)	4,285,311	33.3 (29.0 - 37.6)	33.3 (29.0 - 37.6)

^a From the Kids' Inpatient Database (KID), Healthcare Cost and Utilization Project (HCUP), Agency for Healthcare Research and Quality

^b Unweighted hospital discharges are not comparable across years due to changes in the sampling frame of KID.

^c Estimated using sampling weights supplied by HCUP to allow for valid comparisons across years.

^d Resident Population Estimates. U.S. Census Bureau, Population Division; 2011. <http://www.census.gov/popest/estimates.html>.

^e Results from a sensitivity analysis excluding 2006 data to account for some children receiving rotavirus vaccine.

^f Prediction based on analysis of 1997 to 2006 data using variance-weighted regression and then US population less than 1 year to calculate rate of discharge

eTable 2. Estimated Emergency Department Visits for Intussusception for Infants, Nationwide Emergency Department Sample, 2006-2008

	2006	2007	2008
ED visits for intussusception			
Admitted	1069 (853 - 1285)	1225 (1034 - 1416)	1178 (973 - 1383)
Released	563 (436 - 690)	774 (566 - 982)	589 (443 - 735)
% released from ED	34.5	39.3	33.3

eFigure. Observed and Predicted Hospital Discharges for Intussusception for Infants Before and After Vaccine Re-introduction in the United States, from National Inpatient Sample, 1997-2009.

