

eTable 1: Distribution of admissions by causes of admissions (with ICD-9CM codes) among 7781 children ever hospitalized from 9 days to 8 years

Causes of admissions	ICD-9CM	No. of admissions	No. of children	% of children
Respiratory and related infections				
Whooping cough	033	2	2	0.03
Streptococcal sore throat	034.0	1	1	0.01
Otitis media	381-2	133	122	1.6
Nasopharyngitis	460	11	11	0.1
Sinusitis	461	2	2	0.03
Pharyngitis	462	192	176	2.3
Tonsillitis	463	135	126	1.6
Laryngitis and tracheitis	464	108	100	1.3
Upper respiratory tract infections of multiple or nonspecific sites	465	1014	867	11.1
Bronchitis and bronchiolitis	466;490	515	412	5.3
Allergic rhinitis	477	1	1	0.01
Pneumonia	480-6	576	481	6.2
Influenza	487	106	106	1.4
Asthma	493	336	220	2.8
Any respiratory infections ^a	all of the above	3132	1966	25.3
Gastro-intestinal infections				
Intestinal infectious diseases	001-009	626	556	7.1
Gastritis/gastroenteritis	535.00, 535.40, 535.50, 538, 558.9	407	379	4.9
Diarrhea	787.91	0	0	0.0
Any Gastro-intestinal infections	all of the above	1033	894	11.5
Other infections				
Infectious and parasitic disease	1-139 (excluding 1-9;33&34.0)	531	471	6.1
Meningitis	320-1	6	5	0.06
Keratitis	370	0	0	0.0
Conjunctivitis	372.0-372.3	8	8	0.10
Rheumatic fever	390-2	0	0	0.0
Appendicitis	540-2	11	10	0.1
Kidney infections	590	2	2	0.03
Cystitis	595	2	2	0.03
Urinary tract infections	599.0	223	122	1.6
Infections of skin and subcutaneous tissue	680-6	56	49	0.6
Infections specific to the perinatal period	771	32	28	0.4
Convulsions	780.3	324	224	2.9
Fever	780.6	20	20	0.3
Any other infections ^a	all of the above	1215	863	11.1
Accidents/Injury and poisoning	800-999; E800-E999	638	569	7.3
Unknown causes	Missing	80	68	0.9
All causes		10229	3881	49.9

^a Number of children is not equal to the summation of cases for individual type of illness because a child could be admitted for multiple outcomes

eTable 2: Adjusted^a incident rate ratios (IRR) with 95% confidence intervals of number of hospital admissions by cause and age group in relation to breastfeeding status

Age group	Breastfeeding	Respiratory infections		Gastro-intestinal infections		Other infections		Any infections		Accidents	
		IRR	95%CI	IRR	95%CI	IRR	95%CI	IRR	95%CI	IRR	95%CI
0-8 years	Never breastfed	1		1		1		1		1	
	Partially breastfed for any length of time or exclusively breastfed for <3 mths	1.03	0.93 to 1.14	1.08	0.94 to 1.24	0.93	0.79 to 1.09	1.01	0.93 to 1.10	0.93	0.78 to 1.12
	Exclusively breastfed for 3+ mths	0.93	0.76 to 1.13	1.04	0.80 to 1.35	1.01	0.75 to 1.36	0.96	0.82 to 1.12	0.92	0.66 to 1.29
0-<6 months	Never breastfed	1		1		1		1		n/a	
	Partially breastfed for any length of time or exclusively breastfed for <3 mths	0.77	0.62 to 0.95	0.91	0.65 to 1.26	0.98	0.72 to 1.33	0.85	0.72 to 1.00		
	Exclusively breastfed for 3+ mths	0.65	0.43 to 0.99	0.59	0.30 to 1.18	0.65	0.34 to 1.25	0.66	0.47 to 0.91		
6-<24 months	Never breastfed	1		1		1		1		1	
	Partially breastfed for any length of time or exclusively breastfed for <3 mths	1.04	0.90 to 1.20	1.17	0.95 to 1.44	0.86	0.68 to 1.09	1.02	0.90 to 1.14	0.89	0.63 to 1.25
	Exclusively breastfed for 3+ mths	0.96	0.73 to 1.27	1.15	0.78 to 1.69	1.08	0.71 to 1.63	1.01	0.82 to 1.26	0.91	0.48 to 1.72
2-<5 years	Never breastfed	1		1		1		1		1	
	Partially breastfed for any length of time or exclusively breastfed for <3 mths	1.17	1.00 to 1.36	1.09	0.85 to 1.40	1.07	0.82 to 1.40	1.13	1.00 to 1.28	0.82	0.61 to 1.09
	Exclusively breastfed for 3+ mths	1.03	0.76 to 1.38	1.16	0.75 to 1.81	1.06	0.64 to 1.77	1.05	0.83 to 1.33	0.74	0.42 to 1.30
5-<8 years	Never breastfed	1		1		1		1		1	
	Partially breastfed for any length of time or exclusively breastfed for <3 mths	1.00	0.74 to 1.34	1.04	0.67 to 1.62	0.66	0.41 to 1.09	0.92	0.73 to 1.15	1.20	0.86 to 1.67
	Exclusively breastfed for 3+ mths	0.96	0.54 to 1.71	1.34	0.62 to 2.87	1.56	0.72 to 3.36	1.16	0.77 to 1.74	1.02	0.53 to 1.97

^aadjusted for sex, type of hospital at birth and household income per head

eTable3: Adjusted^a incident rate ratios (IRR) with 95% confidence intervals of number of hospital days by cause and age group in relation to breastfeeding status

Age group	Breastfeeding	Respiratory infections		Gastro-intestinal infections		Other infections		Any infections		Accidents	
		IRR	95%CI	IRR	95%CI	IRR	95%CI	IRR	95%CI	IRR	95%CI
0-8 years	Never breastfed	1		1		1		1		1	
	Partially breastfed for any length of time or exclusively breastfed for <3 mths	1.00	0.87 to 1.15	0.99	0.81 to 1.22	0.81	0.64 to 1.03	0.93	0.83 to 1.04	0.90	0.71 to 1.16
	Exclusively breastfed for 3+ mths	0.83	0.63 to 1.09	0.92	0.62 to 1.37	0.77	0.48 to 1.23	0.82	0.65 to 1.02	1.02	0.63 to 1.64
0-<6 months	Never breastfed	1		1		1		1		1	
	Partially breastfed for any length of time or exclusively breastfed for <3 mths	0.66	0.49 to 0.90	0.68	0.42 to 1.12	1.06	0.64 to 1.74	0.83	0.65 to 1.07	1.49	0.66 to 3.37
	Exclusively breastfed for 3+ mths	0.56	0.30 to 1.02	0.53	0.19 to 1.45	0.41	0.15 to 1.10	0.55	0.34 to 0.90	1.95	0.48 to 8.02
6-<24 months	Never breastfed	1		1		1		1		1	
	Partially breastfed for any length of time or exclusively breastfed for <3 mths	1.08	0.88 to 1.33	1.27	0.92 to 1.76	0.67	0.48 to 0.93	0.99	0.84 to 1.17	0.79	0.48 to 1.28
	Exclusively breastfed for 3+ mths	0.83	0.55 to 1.25	1.07	0.58 to 1.99	1.13	0.59 to 2.13	0.94	0.68 to 1.28	1.29	0.52 to 3.22
2-<5 years	Never breastfed	1		1		1		1		1	
	Partially breastfed for any length of time or exclusively breastfed for <3 mths	1.16	0.94 to 1.44	0.89	0.63 to 1.26	1.16	0.79 to 1.68	1.12	0.95 to 1.33	0.74	0.50 to 1.09
	Exclusively breastfed for 3+ mths	1.02	0.67 to 1.54	1.00	0.51 to 1.95	0.93	0.44 to 1.96	1.01	0.72 to 1.41	1.09	0.53 to 2.25
5-<8 years	Never breastfed	1		1		1		1		1	
	Partially breastfed for any length of time or exclusively breastfed for <3 mths	0.82	0.52 to 1.29	0.83	0.44 to 1.55	0.42	0.16 to 1.09	0.59	0.41 to 0.85	1.32	0.81 to 2.15
	Exclusively breastfed for 3+ mths	1.00	0.42 to 2.36	1.20	0.36 to 3.97	1.25	0.24 to 6.54	0.75	0.38 to 1.51	0.72	0.26 to 1.95

^aadjusted for sex, type of hospital at birth and household income per head