

**ETable I.** Demographic and Hospital Characteristics of Pediatric Surgical Admissions.

	<b>Surgical Admissions</b>	
	Reference (n = 1,750,151)	Anaphylaxis (n = 315)
<b>Age, median (IQR)</b>	10 (2 – 15)	11 (5 – 15)
<b>Sex, n (%)</b>		
Male	929,726 (53.1)	165 (52.3)
Female	795,820 (45.5)	151 (47.7)
Missing	24,606 (1.4)	0 (0.0)
<b>Admission type, n (%)</b>		
Elective	694,649 (39.7)	154 (48.8)
Emergent	1,047,051 (59.8)	160 (50.8)
Missing	8,451 (0.5)	*
<b>Hospital bed size, n (%)</b>		
Large	996,221 (56.9)	198 (62.9)
Medium	456,532 (26.1)	68 (21.4)
Small	228,134 (13.0)	31 (9.8)
Missing	69,264 (4.0)	19 (5.9)
<b>Hospital location, n (%)</b>		
Urban	1,574,911 (90.0)	290 (91.8)
Rural	105,976 (6.1)	*
Missing	69,264 (4.0)	19 (5.9)
<b>Hospital teaching status, n (%)</b>		
Non-teaching	418,680 (23.9)	28 (8.9)
Teaching	1,262,208 (72.1)	269 (85.2)
Missing	69,264 (4.0)	19 (5.9)
<b>Hospital region, n (%)</b>		
South	609,057 (34.8)	93 (29.4)
Northeast	300,090 (17.2)	45 (15.4)
Midwest	380,653 (21.8)	76 (24.2)
West	460,351 (26.3)	101 (32.1)
Missing	0 (0.0)	0 (0.0)
<b>Major diagnostic category, n (%)</b>		
Digestive, hepatobiliary, endocrine disorders	535,723 (30.6)	61 (19.5)
Nervous system disorders	144,133 (8.2)	26 (8.2)
Eye, ear, nose, throat disorders	163,382 (9.3)	15 (4.8)
Respiratory disorders	53,088 (3.0)	20 (6.2)
Cardiovascular disorders	125,033 (7.1)	38 (11.9)
Musculoskeletal and skin disorders	396,848 (22.7)	62 (19.5)
Hematological and myeloproliferative disorders	26,541 (1.5)	49 (15.6)
Kidney and reproductive disorders	110,283 (6.3)	12 (3.7)
Other disorders	195,118 (11.2)	33 (10.6)

*IQR = interquartile range*

\*These data are not presented as the report of data for any subgroup with 10 or fewer subjects is prohibited by the Healthcare Cost and Utilization Project Data Use Agreement.

Note: Absolute numbers presented are based on weighted data. Total percentages for some variables may not sum exactly to 100% due to rounding in the presented values.

**ETable II.** Merged Major Diagnostic Categories (MDCs) used in Demographic and Regression Analyses.

Merged Disease Categories Used in Analyses	MDC Codes	Associated Major Diagnostic Category
Nervous system disorders	1	Diseases and disorders of the nervous system
Eye, ear, nose, throat disorders	2	Diseases and disorders of the eye
	3	Diseases and disorders of the ear, nose, mouth, and throat
Respiratory disorders	4	Diseases and disorders of the respiratory system
Cardiovascular disorders	5	Diseases and disorders of the circulatory system
Digestive, hepatobiliary, endocrine disorders	6	Diseases and disorders of the digestive system
	7	Diseases and disorders of the hepatobiliary system and pancreas
	10	Diseases and disorders of the endocrine, nutritional, and metabolic system
Musculoskeletal and skin disorders	8	Diseases and disorders of the musculoskeletal system and connective tissue
	9	Diseases and disorders of the skin, subcutaneous tissue, and breast
Kidney and reproductive disorders	11	Diseases and disorders of the kidney and urinary tract
	12	Diseases and disorders of the male reproductive system
	13	Diseases and disorders of the female reproductive system
Hematological and myeloproliferative disorders	16	Diseases and disorders of the blood and blood-forming organs and immunological disorders
	17	Myeloproliferative diseases and disorders (Poorly differentiated neoplasms)
Other disorders	14	Pregnancy, childbirth, and puerperium
	15	Newborn and other neonates (Perinatal period)
	18	Infectious and parasitic diseases and disorders (Systemic or unspecified sites)
	19	Mental diseases and disorders
	20	Alcohol/drug use or induced mental disorders
	21	Injuries, poison, and toxic effect of drugs

22	Burns
23	Factors influencing health status and other contacts with health services
24	Multiple significant trauma
25	Human Immunodeficiency Virus (HIV) infection

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