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PEDSnet-Subspecialty-Report

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PURPOSE

Primary objective

Determine the proportion of study eligible children between the ages of 0 and 20 who used pediatric subspecialty care at least once in a given calendar year between 2010 and 2021 in any care setting (i.e., in an inpatient hospital, outpatient, emergency department, or community-based practice care setting), stratified by age group and sex.

Secondary objective

For each pediatric subspecialty, determine the most common diagnoses among patients based on the number encounters in the outpatient or community-based practice care setting from 2010 to 2021.

DATA SOURCE

Overview of PEDSnet

PEDSnet is a Clinical Research Network providing a database based on the Observational Health Data Science and Informatics (OHDSI) model and containing data from:

- Children’s Hospital Colorado
- Children’s Hospital of Philadelphia
- Cincinnati Children’s Hospital Medical Center
- Nationwide Children’s Hospital
- Nemours Children’s Health
- Seattle Children’s Hospital
- Stanford Children’s Health
- Ann & Robert H. Lurie Children’s Hospital of Chicago

The data is imported from individual hospital Electronic Health Record systems and transformed into the OHDSI Common Data Model to produce a structured, searchable database. Hundreds of Data Quality checks are applied to ensure that the data is largely free of issues such as missing values, implausible values, unusually high or low counts in any visit category, and inconsistencies between years.

Within the OHDSI structure, vocabulary terms, called “concepts”, (condition, specialty, etc) are each given fixed `concept_id`’s which are integer keys that are used in querying. The PEDSnet database vocabulary tables also include the source of the field (`vocabulary_id`), the name of the concept, and the code used in the original source.

PEDSnet Database Version V.47 is used. This code was written using R version 4.2.2 and the following packages:

Package	Version
broom	1.0.3
DBI	1.1.3
dplyr	1.1.0
dbplyr	2.3.0
kableExtra	1.3.4
lubridate	1.9.2
magrittr	2.0.3
readr	2.1.4
rlang	1.0.6
scales	1.2.1
srcr	1.1.0
tibble	3.1.8
tidyr	1.3.0

After the original code was written, code review was performed to check for consistency and efficiency. Appropriate revisions were made to improve performance of the report generation.

Code is available at the public GitHub repository https://github.com/PEDSnet/Subspecialty_Analysis

Denominator

Within the PEDSnet database, we select all patients with an outpatient visit (based on visit concept id = 9202 as per OHDSI conventions) in the time period Jan 1, 2010 - Dec 31, 2021, where the patient is ≥ 0

and < 21 years old, and where the specialty concept id for provider or care site is one of the following two codes:

concept_id	concept_code	concept_name	vocabulary_id
38003851	207Q00000X	Family Medicine	National Uniform Claim Committee (NUCC)
2000000063	OMOP generated	General Pediatrics	PEDSnet

We also save inpatient (including emergency department and observation) visits for patients from the outpatient cohort defined above, using the same year ranges (2010-2021) and age ranges (0-20 yo) for use in other denominators.

Patients enter a denominator for a calendar year based on having a qualifying visit (as defined above) in that year or the preceding year. So the denominator for 2011 is the distinct patients with a general outpatient visit in either 2010 or 2011.

Patients are broken into subgroups based on the following factors:

- Gender (Male or Female).
- Age (based on age at entry into denominator for that year).
 - <1 (infancy).
 - 1 – 4 (early childhood).
 - 5 – 11 (middle childhood).
 - 12 – 17 (adolescence).
 - 18 – 20 (young adulthood).
- Insurance (hierarchical)
 - If the patient is ever on public insurance (Medicare, Medicaid, other Public) in their general outpatient visits, they are listed as “Public”.
 - Otherwise if they ever listed as Private/Commerical insurance in their general outpatient visits, they are listed as “Private”.
 - Otherwise they are listed as “Unknown/Self-Pay”.
- Race/Ethnicity
 - If the patient ethnicity is listed as Hispanic, they are listed as Hispanic.
 - Otherwise if they are Asian or Pacific Islander, they are listed as Asian/PI.
 - Not given and unknown are combined as “Unknown”
 - Otherwise they are listed as race in the race_concept_id field, with the “non-Hispanic” modifier.

Numerator

Within the PEDSnet database, we select all patients with an outpatient, emergency, inpatient or observation visit in the years 2010-2021, where the patient is ≥ 0 and < 21 years old, and where the specialty concept id is one of the concept_id’s associated with the specific subspecialties of interest. Depending on the specific analysis, the numerator may be count of distinct patients with outpatient, inpatient/observation, inpatient/observation/emergency or all in-person visits.

Specialty visits are linked to the denominator table by reference year – so the numerator for 2010, for example, is linked to the denominator based on distinct patients in 2009 and 2010, although the specialty visits are in 2010.

RESULTS

Table 1: Attrition

cohort	n
All Patients in Database	8,692,205
Patients with Qualifying General Outpatient Visit	1,634,296

Table 2: Distribution of patients in sample

Group	mean (SD) or n (%)
Age at entry, years	5.51 (5.63)
<1 (infants)	529,821 (32.4%)
1 – 4 (early childhood)	336,525 (20.6%)
5 – 11 (middle childhood)	452,369 (27.7%)
12 – 17 (adolescence)	287,542 (17.6%)
18 – 20 (young adulthood)	28,039 (1.7%)
Distinct years in cohort by age ^a	3.25 (2.67)
Last age seen, years	8.49 (6.16)
Duration in cohort, years ^b	3.98 (3.42)
Gender	
Female	800,313 (49.0%)
Male	833,983 (51.0%)
Race/Ethnicity	
Asian/PI	92,452 (5.7%)
Black/AA, non-Hispanic	427,375 (26.2%)
Hispanic	221,794 (13.6%)
Multiple	51,959 (3.2%)
Other/Unknown	193,090 (11.8%)
White, non-Hispanic	647,626 (39.6%)
Insurer	
Private	708,302 (43.3%)
Public	763,251 (46.7%)
Unknown/Self-Pay	162,743 (10.0%)
Entry Year	
2011	493,628 (30.2%)
2012	80,616 (4.9%)
2013	87,746 (5.4%)
2014	127,176 (7.8%)
2015	125,135 (7.7%)
2016	121,143 (7.4%)
2017	110,371 (6.8%)
2018	116,907 (7.2%)
2019	125,526 (7.7%)
2020	101,978 (6.2%)
2021	144,070 (8.8%)

^a Individual years where patient contributes visits to general outpatient denominator

^b Elapsed time from first year seen to last year seen in general outpatient denominator

Table 3: Number of children in denominator stratified by age group, sex, and insurer

This is based on denominator, all patients having 1 + general pediatrics visit in the calendar year or the prior yer

Age bracket is based on age at the beginning of the 2-year denominator period

Table 3A: Number of children in denominator stratified by age group and sex

Note: since age varies by year, patients can be in multiple age brackets and so age brackets will not sum up to actual number of patients

Year	Gender	<1 (infants)	1 – 4 (early childhood)	5 – 11 (middle childhood)	12 – 17 (adolescence)	18 – 20 (young adulthood)
Overall	Female	255,784	311,493	374,394	281,005	68,672
Overall	Male	274,037	339,700	397,395	273,110	57,863
2011	Female	42,746	58,767	84,103	50,936	6,565
2011	Male	45,385	62,282	88,232	49,458	5,154
2012	Female	43,100	60,541	87,676	54,017	7,228
2012	Male	45,711	64,109	92,296	52,772	5,684
2013	Female	44,256	62,502	92,978	58,103	7,819
2013	Male	47,377	66,848	97,822	56,807	6,207
2014	Female	48,116	69,528	104,277	66,748	8,887
2014	Male	51,281	74,529	110,214	65,575	7,206
2015	Female	51,767	73,643	115,838	75,854	10,103
2015	Male	55,328	79,320	122,037	74,508	8,383
2016	Female	54,597	77,301	123,753	83,060	11,032
2016	Male	58,388	83,886	130,522	81,029	9,010
2017	Female	55,451	79,767	128,658	87,712	11,703
2017	Male	59,853	86,606	135,293	85,637	9,379
2018	Female	57,743	82,478	133,694	93,201	12,044
2018	Male	61,964	90,048	140,965	90,701	9,753
2019	Female	60,619	85,558	139,495	101,069	12,923
2019	Male	64,954	94,042	148,046	98,117	10,732
2020	Female	61,773	84,434	138,279	104,131	13,899
2020	Male	66,372	92,917	146,913	100,518	11,443
2021	Female	64,469	85,026	142,980	113,118	16,353
2021	Male	69,235	93,680	151,817	108,467	13,406

Table 3B: Number of children in denominator stratified by age group

Note: since age varies by year, patients can be in multiple age brackets and so age brackets will not sum up to actual number of patients

Year	<1 (infants)	1 – 4 (early childhood)	5 – 11 (middle childhood)	12 – 17 (adolescence)	18 – 20 (young adulthood)
Overall	529,821	651,193	771,789	554,115	126,535
2011	88,131	121,049	172,335	100,394	11,719
2012	88,811	124,650	179,972	106,789	12,912
2013	91,633	129,350	190,800	114,910	14,026
2014	99,397	144,057	214,491	132,323	16,093
2015	107,095	152,963	237,875	150,362	18,486
2016	112,985	161,187	254,275	164,089	20,042
2017	115,304	166,373	263,951	173,349	21,082
2018	119,707	172,526	274,659	183,902	21,797
2019	125,573	179,600	287,541	199,186	23,655
2020	128,145	177,351	285,192	204,649	25,342
2021	133,704	178,706	294,797	221,585	29,759

Table 3C: Number of children in denominator stratified by sex

visit year	Female	Male
Overall	800,313	833,983
2011	243,117	250,511
2012	252,562	260,572
2013	265,658	275,061
2014	297,556	308,805
2015	327,205	339,576
2016	349,743	362,835
2017	363,291	376,768
2018	379,160	393,431
2019	399,664	415,891
2020	402,516	418,163
2021	421,946	436,605

Table 3D: Number of children in denominator stratified by insurer

visit year	Private	Public	Unknown/Self-Pay
Overall	708,302	763,251	162,743
2011	201,345	253,880	38,403
2012	205,573	273,117	34,444
2013	213,980	293,450	33,289
2014	249,574	321,943	34,844
2015	282,463	345,177	39,141
2016	313,481	357,692	41,405
2017	329,194	370,761	40,104
2018	345,704	386,302	40,585
2019	363,189	402,542	49,824
2020	363,588	401,447	55,644
2021	376,717	412,690	69,144

Table 3E: Number of children in denominator stratified by race/ethnicity

visit year	Asian/PI	Black/AA, non-Hispanic	Hispanic	Multiple	Other/Unknown	White, non-Hispanic
Overall	92,452	427,375	221,794	51,959	193,090	647,626
2011	14,433	177,119	52,310	11,159	34,017	204,590
2012	15,890	183,229	56,532	12,752	34,284	210,447
2013	17,757	189,207	62,870	14,577	36,011	220,297
2014	26,437	197,443	73,408	17,387	51,104	240,582
2015	33,877	204,571	82,303	20,114	65,488	260,428
2016	39,788	207,602	87,955	21,993	72,830	282,410
2017	43,520	211,917	94,056	23,303	76,140	291,123
2018	46,937	217,381	101,684	25,107	83,930	297,552
2019	50,339	223,728	110,285	27,173	92,662	311,368
2020	50,700	221,833	114,103	28,033	95,229	310,781
2021	52,942	222,639	123,764	30,255	102,219	326,732

Figure 1: Population pyramid for age vs insurer

Numbers normalized by count of distinct patients assigned to insurer type. Patients seen at different ages are assigned to each age

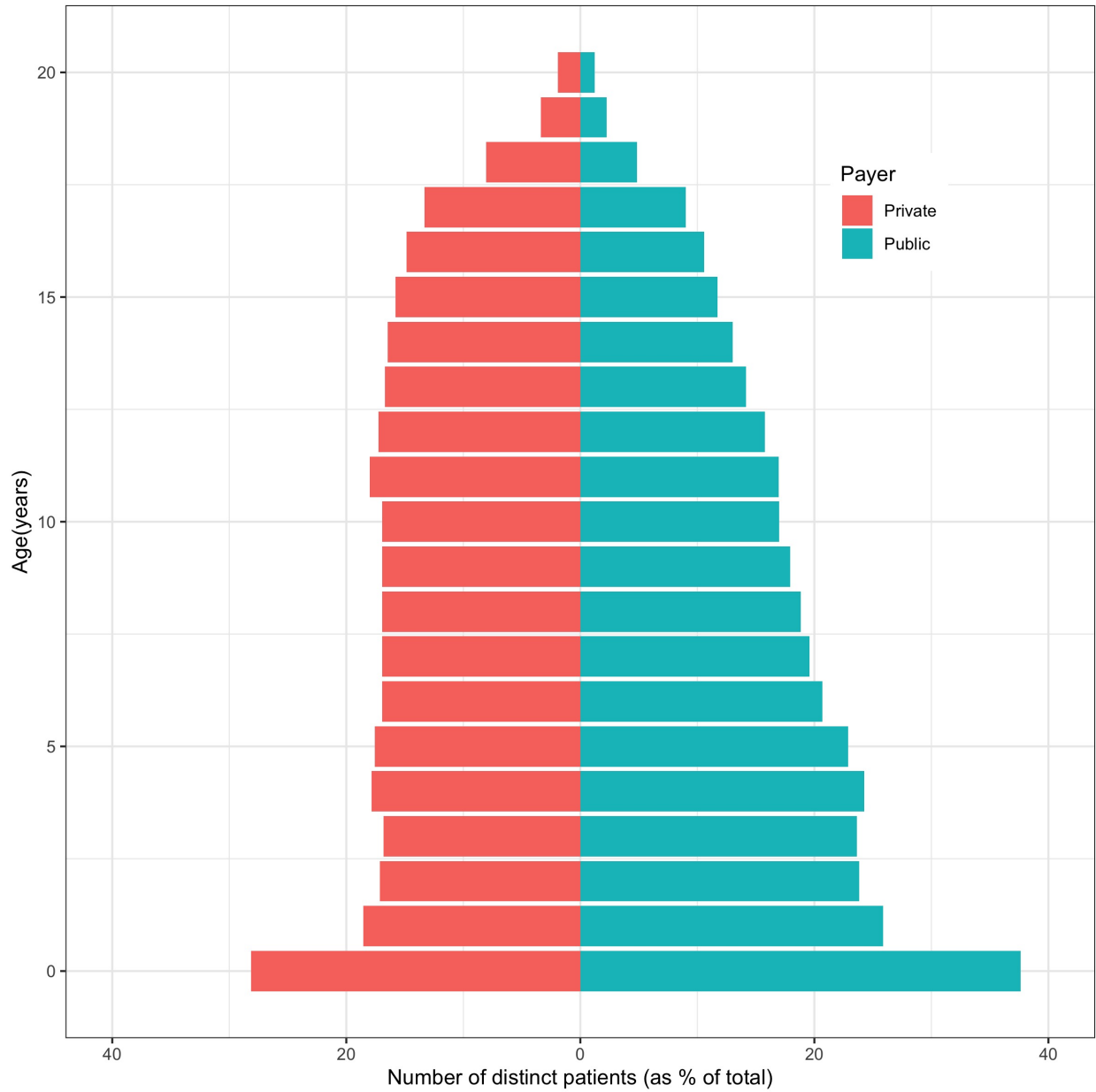


Table 4: Proportion of children receiving outpatient, inpatient or emergency care from a pediatric subspecialist in an outpatient department or community-based practice, overall and stratified by calendar year

Table 4A: Proportion of children receiving outpatient care from a pediatric sub-specialist, overall and stratified by calendar year

Year	Denominator	Any Outpatient Specialty Visit	Seeing > 1 Specialist	Average # of Specialists seen (if any)
Overall	1,634,296	707,694 (43.3%)	315,117 (19.3%)	1.91 (1.44)
2011	493,628	97,596 (19.8%)	23,169 (4.7%)	1.36 (0.78)
2012	513,134	100,596 (19.6%)	25,073 (4.9%)	1.38 (0.81)
2013	540,719	109,504 (20.3%)	28,858 (5.3%)	1.41 (0.85)
2014	606,361	125,967 (20.8%)	34,584 (5.7%)	1.44 (0.89)
2015	666,781	136,957 (20.5%)	38,323 (5.7%)	1.46 (0.92)
2016	712,578	144,912 (20.3%)	41,075 (5.8%)	1.46 (0.93)
2017	740,059	150,275 (20.3%)	42,645 (5.8%)	1.47 (0.96)
2018	772,591	157,644 (20.4%)	45,619 (5.9%)	1.49 (0.99)
2019	815,555	173,388 (21.3%)	51,793 (6.4%)	1.51 (1.01)
2020	820,679	147,875 (18.0%)	41,478 (5.1%)	1.47 (0.95)
2021	858,551	172,104 (20.0%)	50,557 (5.9%)	1.49 (0.97)

Denominator is all patients with generalist outpatient visit that year or prior year, or all patients in that set for overall
 Numerator in 'Seeing > 1 Specialist' is all patients in denominator who also had at least one specialist outpatient visit
 that year

Table 4B: Proportion of children receiving outpatient, inpatient or emergency care from a pediatric subspecialist, overall and stratified by calendar year

Year	Denominator	Any Outpatient Specialty Visit	Seeing > 1 Specialist	Average # of Specialists seen (if any)
Overall	1,634,296	928,211 (56.8%)	471,032 (28.8%)	2.08 (1.56)
2011	493,628	155,850 (31.6%)	44,781 (9.1%)	1.43 (0.85)
2012	513,134	161,897 (31.6%)	46,940 (9.1%)	1.44 (0.86)
2013	540,719	169,813 (31.4%)	50,202 (9.3%)	1.46 (0.89)
2014	606,361	190,809 (31.5%)	57,792 (9.5%)	1.48 (0.93)
2015	666,781	205,820 (30.9%)	63,718 (9.6%)	1.50 (0.96)
2016	712,578	219,378 (30.8%)	68,104 (9.6%)	1.50 (0.97)
2017	740,059	229,876 (31.1%)	71,574 (9.7%)	1.51 (0.99)
2018	772,591	240,810 (31.2%)	76,030 (9.8%)	1.52 (1.01)
2019	815,555	265,243 (32.5%)	84,695 (10.4%)	1.54 (1.02)
2020	820,679	218,772 (26.7%)	62,701 (7.6%)	1.47 (0.95)
2021	858,551	261,648 (30.5%)	78,130 (9.1%)	1.50 (0.98)

Denominator is all patients with generalist outpatient visit that year or prior year, or all patients in that set for overall
Numerator in 'Seeing > 1 Specialist' is all patients in denominator who also had at least one specialist outpatient, inpatient or emergency department visit that year

Table 4C: Proportion of children receiving outpatient care from a pediatric subspecialist in an outpatient department or community-based practice, stratified by insurer

Year	Denominator	Any Outpatient Specialty Visit	Seeing > 1 Specialist	Average # of Specialists seen (if any)
Private	708,302	260,288 (36.7%)	95,640 (13.5%)	1.66 (1.16)
Public	763,251	372,139 (48.8%)	183,216 (24.0%)	2.07 (1.58)
Unknown/Self-Pay	162,743	75,267 (46.2%)	36,261 (22.3%)	1.97 (1.43)

Denominator is all patients with generalist outpatient visit who were members of that insurer group
 Numerator is all patients in denominator who also had at least one specialist outpatient visit

Table 4D: Proportion of children receiving outpatient, inpatient or emergency care from a pediatric subspecialist, stratified by insurer

Year	Denominator	Any Outpatient Specialty Visit	Seeing > 1 Specialist	Average # of Specialists seen (if any)
Private	708,302	318,360 (44.9%)	131,205 (18.5%)	1.76 (1.25)
Public	763,251	507,195 (66.5%)	283,100 (37.1%)	2.25 (1.69)
Unknown/Self-Pay	162,743	102,656 (63.1%)	56,727 (34.9%)	2.22 (1.61)

Denominator is all patients with generalist outpatient visit who were members of that insurer group

Numerator is all patients in denominator who also had at least one specialist outpatient, inpatient or emergency encounter

Table 4E: Proportion of children receiving outpatient care from a pediatric subspecialist, stratified by race/ethnicity

Year	Denominator	Any Outpatient Specialty Visit	Seeing > 1 Specialist	Average # of Specialists seen (if any)
Asian/PI	92,452	36,398 (39.4%)	14,934 (16.2%)	1.81 (1.35)
Black/AA, non-Hispanic	427,375	208,373 (48.8%)	101,043 (23.6%)	1.98 (1.42)
Hispanic	221,794	106,793 (48.1%)	50,831 (22.9%)	2.03 (1.56)
Multiple	51,959	24,690 (47.5%)	11,659 (22.4%)	2.01 (1.56)
Other/Unknown	193,090	58,262 (30.2%)	18,827 (9.8%)	1.59 (1.14)
White, non-Hispanic	647,626	273,178 (42.2%)	117,823 (18.2%)	1.89 (1.45)

Denominator is all patients with generalist outpatient visit and who were members of that race/ethnicity

Numerator is all patients in denominator who also had at least one specialist outpatient visit

Table 4F: Proportion of children receiving outpatient, inpatient or emergency care from a pediatric subspecialist, stratified by race/ethnicity

Year	Denominator	Any Outpatient Specialty Visit	Seeing > 1 Specialist	Average # of Specialists seen (if any)
Asian/PI	92,452	45,911 (49.7%)	21,163 (22.9%)	1.92 (1.43)
Black/AA, non-Hispanic	427,375	295,635 (69.2%)	166,782 (39.0%)	2.20 (1.55)
Hispanic	221,794	137,613 (62.0%)	73,771 (33.3%)	2.19 (1.66)
Multiple	51,959	34,804 (67.0%)	19,087 (36.7%)	2.22 (1.68)
Other/Unknown	193,090	69,170 (35.8%)	24,844 (12.9%)	1.67 (1.24)
White, non-Hispanic	647,626	345,078 (53.3%)	165,385 (25.5%)	2.02 (1.57)

Denominator is all patients with generalist outpatient visit and who were members of that race/ethnicity

Numerator is all patients in denominator who also had at least one specialist outpatient, inpatient or emergency encounter

Table 4G: Proportion of children receiving new and ongoing pediatric subspecialist referrals, overall and stratified by subspecialty or calendar year

Specialty	Visit Year	New Specialty Visits	Ongoing Specialty Visits
Any Specialty	Overall	543,459 (33.3%)	164,235 (10.0%)
Any Specialty	2011	50,661 (10.3%)	46,935 (9.5%)
Any Specialty	2012	43,766 (8.5%)	56,830 (11.1%)
Any Specialty	2013	44,777 (8.3%)	64,727 (12.0%)
Any Specialty	2014	49,479 (8.2%)	76,488 (12.6%)
Any Specialty	2015	50,074 (7.5%)	86,883 (13.0%)
Any Specialty	2016	50,448 (7.1%)	94,464 (13.3%)
Any Specialty	2017	50,339 (6.8%)	99,936 (13.5%)
Any Specialty	2018	51,483 (6.7%)	106,161 (13.7%)
Any Specialty	2019	55,554 (6.8%)	117,834 (14.4%)
Any Specialty	2020	42,208 (5.1%)	105,667 (12.9%)
Any Specialty	2021	54,670 (6.4%)	117,434 (13.7%)
Adolescent Medicine	Overall	60,659 (3.7%)	6,962 (0.4%)
Adolescent Medicine	2011	4,540 (0.9%)	2,598 (0.5%)
Adolescent Medicine	2012	4,377 (0.9%)	3,344 (0.7%)
Adolescent Medicine	2013	5,027 (0.9%)	3,613 (0.7%)
Adolescent Medicine	2014	5,281 (0.9%)	3,894 (0.6%)
Adolescent Medicine	2015	4,860 (0.7%)	4,325 (0.6%)
Adolescent Medicine	2016	5,033 (0.7%)	4,563 (0.6%)
Adolescent Medicine	2017	5,948 (0.8%)	4,839 (0.7%)
Adolescent Medicine	2018	5,832 (0.8%)	5,452 (0.7%)
Adolescent Medicine	2019	6,477 (0.8%)	6,175 (0.8%)
Adolescent Medicine	2020	5,642 (0.7%)	5,912 (0.7%)
Adolescent Medicine	2021	7,642 (0.9%)	6,964 (0.8%)
Allergy and Immunology	Overall	87,356 (5.3%)	11,134 (0.7%)
Allergy and Immunology	2011	6,160 (1.2%)	3,667 (0.7%)
Allergy and Immunology	2012	5,852 (1.1%)	4,526 (0.9%)
Allergy and Immunology	2013	5,558 (1.0%)	4,531 (0.8%)
Allergy and Immunology	2014	6,815 (1.1%)	5,243 (0.9%)
Allergy and Immunology	2015	7,843 (1.2%)	6,030 (0.9%)
Allergy and Immunology	2016	8,857 (1.2%)	6,804 (1.0%)
Allergy and Immunology	2017	9,518 (1.3%)	7,866 (1.1%)
Allergy and Immunology	2018	9,609 (1.2%)	9,144 (1.2%)
Allergy and Immunology	2019	10,265 (1.3%)	10,026 (1.2%)
Allergy and Immunology	2020	7,483 (0.9%)	8,289 (1.0%)
Allergy and Immunology	2021	9,396 (1.1%)	9,489 (1.1%)
Child Abuse Pediatrics	Overall	4,962 (0.3%)	178 (0.0%)
Child Abuse Pediatrics	2011	493 (0.1%)	52 (0.0%)
Child Abuse Pediatrics	2012	347 (0.1%)	53 (0.0%)
Child Abuse Pediatrics	2013	349 (0.1%)	43 (0.0%)
Child Abuse Pediatrics	2014	495 (0.1%)	71 (0.0%)
Child Abuse Pediatrics	2015	392 (0.1%)	71 (0.0%)
Child Abuse Pediatrics	2016	477 (0.1%)	81 (0.0%)
Child Abuse Pediatrics	2017	551 (0.1%)	86 (0.0%)
Child Abuse Pediatrics	2018	543 (0.1%)	111 (0.0%)

(continued)

Specialty	Visit Year	New Specialty Visits	Ongoing Specialty Visits
Child Abuse Pediatrics	2019	565 (0.1%)	117 (0.0%)
Child Abuse Pediatrics	2020	379 (0.0%)	82 (0.0%)
Child Abuse Pediatrics	2021	371 (0.0%)	72 (0.0%)
Child Neurology	Overall	86,604 (5.3%)	17,164 (1.1%)
Child Neurology	2011	5,922 (1.2%)	4,402 (0.9%)
Child Neurology	2012	6,018 (1.2%)	5,521 (1.1%)
Child Neurology	2013	6,664 (1.2%)	6,475 (1.2%)
Child Neurology	2014	7,213 (1.2%)	7,394 (1.2%)
Child Neurology	2015	7,734 (1.2%)	8,389 (1.3%)
Child Neurology	2016	8,487 (1.2%)	9,414 (1.3%)
Child Neurology	2017	9,005 (1.2%)	10,015 (1.4%)
Child Neurology	2018	9,563 (1.2%)	11,235 (1.5%)
Child Neurology	2019	9,358 (1.1%)	12,802 (1.6%)
Child Neurology	2020	7,400 (0.9%)	10,742 (1.3%)
Child Neurology	2021	9,240 (1.1%)	11,468 (1.3%)
Dermatology	Overall	71,685 (4.4%)	6,710 (0.4%)
Dermatology	2011	3,788 (0.8%)	1,657 (0.3%)
Dermatology	2012	4,354 (0.8%)	2,161 (0.4%)
Dermatology	2013	5,421 (1.0%)	2,635 (0.5%)
Dermatology	2014	5,754 (0.9%)	3,366 (0.6%)
Dermatology	2015	5,873 (0.9%)	3,710 (0.6%)
Dermatology	2016	6,499 (0.9%)	4,212 (0.6%)
Dermatology	2017	6,830 (0.9%)	4,743 (0.6%)
Dermatology	2018	7,349 (1.0%)	5,211 (0.7%)
Dermatology	2019	9,051 (1.1%)	6,197 (0.8%)
Dermatology	2020	8,345 (1.0%)	5,932 (0.7%)
Dermatology	2021	8,421 (1.0%)	6,841 (0.8%)
Developmental-Behavioral Pediatrics	Overall	90,419 (5.5%)	14,064 (0.9%)
Developmental-Behavioral Pediatrics	2011	5,192 (1.1%)	4,390 (0.9%)
Developmental-Behavioral Pediatrics	2012	4,665 (0.9%)	5,282 (1.0%)
Developmental-Behavioral Pediatrics	2013	5,581 (1.0%)	5,551 (1.0%)
Developmental-Behavioral Pediatrics	2014	6,843 (1.1%)	6,496 (1.1%)
Developmental-Behavioral Pediatrics	2015	9,330 (1.4%)	7,605 (1.1%)
Developmental-Behavioral Pediatrics	2016	8,752 (1.2%)	8,943 (1.3%)
Developmental-Behavioral Pediatrics	2017	9,475 (1.3%)	9,688 (1.3%)
Developmental-Behavioral Pediatrics	2018	9,935 (1.3%)	10,785 (1.4%)
Developmental-Behavioral Pediatrics	2019	11,104 (1.4%)	12,645 (1.6%)
Developmental-Behavioral Pediatrics	2020	8,471 (1.0%)	11,026 (1.3%)
Developmental-Behavioral Pediatrics	2021	11,071 (1.3%)	12,461 (1.5%)
Genetics	Overall	24,912 (1.5%)	3,167 (0.2%)
Genetics	2011	1,536 (0.3%)	533 (0.1%)
Genetics	2012	1,699 (0.3%)	686 (0.1%)
Genetics	2013	1,750 (0.3%)	899 (0.2%)
Genetics	2014	1,848 (0.3%)	1,062 (0.2%)
Genetics	2015	2,042 (0.3%)	1,164 (0.2%)
Genetics	2016	2,024 (0.3%)	1,261 (0.2%)
Genetics	2017	2,517 (0.3%)	1,399 (0.2%)

(continued)

Specialty	Visit Year	New Specialty Visits	Ongoing Specialty Visits
Genetics	2018	2,731 (0.4%)	1,538 (0.2%)
Genetics	2019	3,188 (0.4%)	1,930 (0.2%)
Genetics	2020	2,555 (0.3%)	1,630 (0.2%)
Genetics	2021	3,022 (0.4%)	1,874 (0.2%)
Hospice and Palliative Medicine	Overall	2,868 (0.2%)	74 (0.0%)
Hospice and Palliative Medicine	2011	267 (0.1%)	41 (0.0%)
Hospice and Palliative Medicine	2012	185 (0.0%)	13 (0.0%)
Hospice and Palliative Medicine	2013	258 (0.0%)	14 (0.0%)
Hospice and Palliative Medicine	2014	356 (0.1%)	40 (0.0%)
Hospice and Palliative Medicine	2015	340 (0.1%)	52 (0.0%)
Hospice and Palliative Medicine	2016	253 (0.0%)	51 (0.0%)
Hospice and Palliative Medicine	2017	209 (0.0%)	63 (0.0%)
Hospice and Palliative Medicine	2018	247 (0.0%)	71 (0.0%)
Hospice and Palliative Medicine	2019	275 (0.0%)	85 (0.0%)
Hospice and Palliative Medicine	2020	242 (0.0%)	84 (0.0%)
Hospice and Palliative Medicine	2021	236 (0.0%)	111 (0.0%)
Medical Toxicology	Overall	38 (0.0%)	<11
Medical Toxicology	2011	<11	<11
Medical Toxicology	2012	<11	<11
Medical Toxicology	2013	<11	<11
Medical Toxicology	2014	<11	<11
Medical Toxicology	2015	13 (0.0%)	<11
Medical Toxicology	2016	<11	<11
Medical Toxicology	2017	<11	<11
Medical Toxicology	2018	<11	<11
Medical Toxicology	2019	<11	<11
Medical Toxicology	2020	<11	<11
Neonatal-Perinatal Medicine	Overall	39,864 (2.4%)	2,519 (0.2%)
Neonatal-Perinatal Medicine	2011	3,878 (0.8%)	1,426 (0.3%)
Neonatal-Perinatal Medicine	2012	3,225 (0.6%)	1,403 (0.3%)
Neonatal-Perinatal Medicine	2013	3,192 (0.6%)	1,603 (0.3%)
Neonatal-Perinatal Medicine	2014	3,468 (0.6%)	1,761 (0.3%)
Neonatal-Perinatal Medicine	2015	2,921 (0.4%)	1,980 (0.3%)
Neonatal-Perinatal Medicine	2016	3,149 (0.4%)	2,053 (0.3%)
Neonatal-Perinatal Medicine	2017	3,296 (0.4%)	2,181 (0.3%)
Neonatal-Perinatal Medicine	2018	3,546 (0.5%)	2,316 (0.3%)
Neonatal-Perinatal Medicine	2019	4,990 (0.6%)	2,410 (0.3%)
Neonatal-Perinatal Medicine	2020	3,725 (0.5%)	2,131 (0.3%)
Neonatal-Perinatal Medicine	2021	4,474 (0.5%)	2,112 (0.2%)
Obesity	Overall	22 (0.0%)	<11
Obesity	2011	<11	<11
Obesity	2012	<11	<11
Obesity	2013	<11	<11
Obesity	2014	<11	<11
Obesity	2015	<11	<11
Obesity	2016	<11	<11
Obesity	2017	<11	<11
Obesity	2018	<11	<11

(continued)

Specialty	Visit Year	New Specialty Visits	Ongoing Specialty Visits
Obesity	2019	<11	<11
Obesity	2020	<11	<11
Obesity	2021	<11	<11
Pediatric Cardiology	Overall	125,570 (7.7%)	18,958 (1.2%)
Pediatric Cardiology	2011	9,986 (2.0%)	4,167 (0.8%)
Pediatric Cardiology	2012	9,041 (1.8%)	5,409 (1.1%)
Pediatric Cardiology	2013	9,616 (1.8%)	6,276 (1.2%)
Pediatric Cardiology	2014	11,483 (1.9%)	7,651 (1.3%)
Pediatric Cardiology	2015	12,308 (1.8%)	9,012 (1.4%)
Pediatric Cardiology	2016	11,737 (1.6%)	9,942 (1.4%)
Pediatric Cardiology	2017	11,515 (1.6%)	10,497 (1.4%)
Pediatric Cardiology	2018	12,226 (1.6%)	11,011 (1.4%)
Pediatric Cardiology	2019	12,810 (1.6%)	12,371 (1.5%)
Pediatric Cardiology	2020	10,966 (1.3%)	11,794 (1.4%)
Pediatric Cardiology	2021	13,882 (1.6%)	13,700 (1.6%)
Pediatric Critical Care Medicine	Overall	23,108 (1.4%)	1,680 (0.1%)
Pediatric Critical Care Medicine	2011	2,095 (0.4%)	983 (0.2%)
Pediatric Critical Care Medicine	2012	2,012 (0.4%)	978 (0.2%)
Pediatric Critical Care Medicine	2013	1,829 (0.3%)	460 (0.1%)
Pediatric Critical Care Medicine	2014	1,698 (0.3%)	566 (0.1%)
Pediatric Critical Care Medicine	2015	2,063 (0.3%)	729 (0.1%)
Pediatric Critical Care Medicine	2016	2,393 (0.3%)	825 (0.1%)
Pediatric Critical Care Medicine	2017	2,964 (0.4%)	973 (0.1%)
Pediatric Critical Care Medicine	2018	2,780 (0.4%)	1,171 (0.2%)
Pediatric Critical Care Medicine	2019	2,621 (0.3%)	1,443 (0.2%)
Pediatric Critical Care Medicine	2020	1,530 (0.2%)	1,327 (0.2%)
Pediatric Critical Care Medicine	2021	1,123 (0.1%)	1,322 (0.2%)
Pediatric Emergency Medicine	Overall	102,507 (6.3%)	6,893 (0.4%)
Pediatric Emergency Medicine	2011	9,300 (1.9%)	3,941 (0.8%)
Pediatric Emergency Medicine	2012	8,419 (1.6%)	3,426 (0.7%)
Pediatric Emergency Medicine	2013	10,304 (1.9%)	4,156 (0.8%)
Pediatric Emergency Medicine	2014	11,581 (1.9%)	4,630 (0.8%)
Pediatric Emergency Medicine	2015	10,625 (1.6%)	5,224 (0.8%)
Pediatric Emergency Medicine	2016	11,141 (1.6%)	5,113 (0.7%)
Pediatric Emergency Medicine	2017	8,709 (1.2%)	3,745 (0.5%)
Pediatric Emergency Medicine	2018	8,420 (1.1%)	3,679 (0.5%)
Pediatric Emergency Medicine	2019	9,896 (1.2%)	4,162 (0.5%)
Pediatric Emergency Medicine	2020	6,894 (0.8%)	3,508 (0.4%)
Pediatric Emergency Medicine	2021	7,218 (0.8%)	2,689 (0.3%)
Pediatric Endocrinology	Overall	69,007 (4.2%)	14,814 (0.9%)
Pediatric Endocrinology	2011	5,009 (1.0%)	3,703 (0.8%)
Pediatric Endocrinology	2012	5,079 (1.0%)	4,978 (1.0%)
Pediatric Endocrinology	2013	4,995 (0.9%)	5,815 (1.1%)
Pediatric Endocrinology	2014	6,816 (1.1%)	6,701 (1.1%)
Pediatric Endocrinology	2015	7,225 (1.1%)	7,882 (1.2%)
Pediatric Endocrinology	2016	6,320 (0.9%)	8,806 (1.2%)
Pediatric Endocrinology	2017	6,095 (0.8%)	9,553 (1.3%)

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Specialty	Visit Year	New Specialty Visits	Ongoing Specialty Visits
Pediatric Endocrinology	2018	6,444 (0.8%)	10,222 (1.3%)
Pediatric Endocrinology	2019	7,102 (0.9%)	11,116 (1.4%)
Pediatric Endocrinology	2020	6,213 (0.8%)	10,058 (1.2%)
Pediatric Endocrinology	2021	7,709 (0.9%)	11,174 (1.3%)
Pediatric Gastroenterology	Overall	133,472 (8.2%)	21,849 (1.3%)
Pediatric Gastroenterology	2011	7,950 (1.6%)	5,024 (1.0%)
Pediatric Gastroenterology	2012	7,825 (1.5%)	6,143 (1.2%)
Pediatric Gastroenterology	2013	9,039 (1.7%)	7,193 (1.3%)
Pediatric Gastroenterology	2014	11,131 (1.8%)	9,001 (1.5%)
Pediatric Gastroenterology	2015	12,226 (1.8%)	11,092 (1.7%)
Pediatric Gastroenterology	2016	13,130 (1.8%)	12,390 (1.7%)
Pediatric Gastroenterology	2017	13,747 (1.9%)	13,505 (1.8%)
Pediatric Gastroenterology	2018	14,534 (1.9%)	14,673 (1.9%)
Pediatric Gastroenterology	2019	17,175 (2.1%)	17,556 (2.2%)
Pediatric Gastroenterology	2020	11,291 (1.4%)	14,967 (1.8%)
Pediatric Gastroenterology	2021	15,424 (1.8%)	16,232 (1.9%)
Pediatric Hematology-Oncology	Overall	40,924 (2.5%)	8,504 (0.5%)
Pediatric Hematology-Oncology	2011	3,489 (0.7%)	2,143 (0.4%)
Pediatric Hematology-Oncology	2012	3,253 (0.6%)	2,742 (0.5%)
Pediatric Hematology-Oncology	2013	3,180 (0.6%)	3,060 (0.6%)
Pediatric Hematology-Oncology	2014	3,314 (0.5%)	3,530 (0.6%)
Pediatric Hematology-Oncology	2015	3,234 (0.5%)	3,881 (0.6%)
Pediatric Hematology-Oncology	2016	3,242 (0.5%)	4,014 (0.6%)
Pediatric Hematology-Oncology	2017	3,908 (0.5%)	4,285 (0.6%)
Pediatric Hematology-Oncology	2018	4,182 (0.5%)	4,657 (0.6%)
Pediatric Hematology-Oncology	2019	4,620 (0.6%)	5,339 (0.7%)
Pediatric Hematology-Oncology	2020	4,018 (0.5%)	5,673 (0.7%)
Pediatric Hematology-Oncology	2021	4,484 (0.5%)	6,183 (0.7%)
Pediatric Infectious Diseases	Overall	21,157 (1.3%)	993 (0.1%)
Pediatric Infectious Diseases	2011	1,325 (0.3%)	258 (0.1%)
Pediatric Infectious Diseases	2012	1,874 (0.4%)	297 (0.1%)
Pediatric Infectious Diseases	2013	1,793 (0.3%)	362 (0.1%)
Pediatric Infectious Diseases	2014	2,102 (0.3%)	419 (0.1%)
Pediatric Infectious Diseases	2015	2,465 (0.4%)	626 (0.1%)
Pediatric Infectious Diseases	2016	2,203 (0.3%)	883 (0.1%)
Pediatric Infectious Diseases	2017	2,405 (0.3%)	1,118 (0.2%)
Pediatric Infectious Diseases	2018	1,849 (0.2%)	993 (0.1%)
Pediatric Infectious Diseases	2019	1,867 (0.2%)	496 (0.1%)
Pediatric Infectious Diseases	2020	1,460 (0.2%)	388 (0.0%)
Pediatric Infectious Diseases	2021	1,814 (0.2%)	369 (0.0%)
Pediatric Nephrology	Overall	24,929 (1.5%)	4,624 (0.3%)
Pediatric Nephrology	2011	1,545 (0.3%)	1,229 (0.2%)
Pediatric Nephrology	2012	1,196 (0.2%)	1,393 (0.3%)
Pediatric Nephrology	2013	1,360 (0.3%)	1,587 (0.3%)
Pediatric Nephrology	2014	1,643 (0.3%)	1,947 (0.3%)
Pediatric Nephrology	2015	1,762 (0.3%)	2,250 (0.3%)
Pediatric Nephrology	2016	1,985 (0.3%)	2,329 (0.3%)
Pediatric Nephrology	2017	2,179 (0.3%)	2,506 (0.3%)

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Specialty	Visit Year	New Specialty Visits	Ongoing Specialty Visits
Pediatric Nephrology	2018	2,010 (0.3%)	2,729 (0.4%)
Pediatric Nephrology	2019	1,953 (0.2%)	3,074 (0.4%)
Pediatric Nephrology	2020	1,638 (0.2%)	2,759 (0.3%)
Pediatric Nephrology	2021	7,658 (0.9%)	3,301 (0.4%)
Pediatric Pulmonology	Overall	62,633 (3.8%)	12,017 (0.7%)
Pediatric Pulmonology	2011	4,498 (0.9%)	3,232 (0.7%)
Pediatric Pulmonology	2012	4,676 (0.9%)	4,106 (0.8%)
Pediatric Pulmonology	2013	5,499 (1.0%)	4,841 (0.9%)
Pediatric Pulmonology	2014	6,234 (1.0%)	6,090 (1.0%)
Pediatric Pulmonology	2015	6,067 (0.9%)	7,123 (1.1%)
Pediatric Pulmonology	2016	6,394 (0.9%)	7,767 (1.1%)
Pediatric Pulmonology	2017	5,860 (0.8%)	8,532 (1.2%)
Pediatric Pulmonology	2018	5,845 (0.8%)	8,694 (1.1%)
Pediatric Pulmonology	2019	6,506 (0.8%)	9,646 (1.2%)
Pediatric Pulmonology	2020	4,651 (0.6%)	8,297 (1.0%)
Pediatric Pulmonology	2021	6,403 (0.7%)	9,311 (1.1%)
Pediatric Rheumatology	Overall	19,983 (1.2%)	3,288 (0.2%)
Pediatric Rheumatology	2011	1,206 (0.2%)	753 (0.2%)
Pediatric Rheumatology	2012	1,146 (0.2%)	787 (0.2%)
Pediatric Rheumatology	2013	1,151 (0.2%)	931 (0.2%)
Pediatric Rheumatology	2014	1,304 (0.2%)	1,183 (0.2%)
Pediatric Rheumatology	2015	1,604 (0.2%)	1,395 (0.2%)
Pediatric Rheumatology	2016	1,669 (0.2%)	1,615 (0.2%)
Pediatric Rheumatology	2017	1,611 (0.2%)	1,488 (0.2%)
Pediatric Rheumatology	2018	2,152 (0.3%)	1,407 (0.2%)
Pediatric Rheumatology	2019	3,314 (0.4%)	1,710 (0.2%)
Pediatric Rheumatology	2020	2,664 (0.3%)	1,946 (0.2%)
Pediatric Rheumatology	2021	2,162 (0.3%)	2,146 (0.2%)
Pediatric Transplant Hepatology	Overall	3,365 (0.2%)	162 (0.0%)
Pediatric Transplant Hepatology	2011	14 (0.0%)	<11
Pediatric Transplant Hepatology	2012	<11	<11
Pediatric Transplant Hepatology	2013	245 (0.0%)	<11
Pediatric Transplant Hepatology	2014	460 (0.1%)	63 (0.0%)
Pediatric Transplant Hepatology	2015	404 (0.1%)	125 (0.0%)
Pediatric Transplant Hepatology	2016	383 (0.1%)	138 (0.0%)
Pediatric Transplant Hepatology	2017	425 (0.1%)	186 (0.0%)
Pediatric Transplant Hepatology	2018	446 (0.1%)	240 (0.0%)
Pediatric Transplant Hepatology	2019	372 (0.0%)	214 (0.0%)
Pediatric Transplant Hepatology	2020	254 (0.0%)	132 (0.0%)
Pediatric Transplant Hepatology	2021	355 (0.0%)	132 (0.0%)
Rehabilitation	Overall	53,175 (3.3%)	9,238 (0.6%)
Rehabilitation	2011	4,738 (1.0%)	2,730 (0.6%)
Rehabilitation	2012	3,907 (0.8%)	3,620 (0.7%)
Rehabilitation	2013	4,553 (0.8%)	4,247 (0.8%)
Rehabilitation	2014	5,128 (0.8%)	5,026 (0.8%)
Rehabilitation	2015	5,090 (0.8%)	5,660 (0.8%)
Rehabilitation	2016	5,300 (0.7%)	6,189 (0.9%)

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Specialty	Visit Year	New Specialty Visits	Ongoing Specialty Visits
Rehabilitation	2017	5,460 (0.7%)	6,492 (0.9%)
Rehabilitation	2018	6,173 (0.8%)	7,227 (0.9%)
Rehabilitation	2019	5,192 (0.6%)	7,322 (0.9%)
Rehabilitation	2020	3,518 (0.4%)	5,559 (0.7%)
Rehabilitation	2021	4,116 (0.5%)	5,161 (0.6%)
Sleep Medicine	Overall	4,936 (0.3%)	735 (0.0%)
Sleep Medicine	2011	589 (0.1%)	154 (0.0%)
Sleep Medicine	2012	465 (0.1%)	241 (0.0%)
Sleep Medicine	2013	422 (0.1%)	270 (0.0%)
Sleep Medicine	2014	463 (0.1%)	333 (0.1%)
Sleep Medicine	2015	330 (0.0%)	285 (0.0%)
Sleep Medicine	2016	412 (0.1%)	304 (0.0%)
Sleep Medicine	2017	547 (0.1%)	362 (0.0%)
Sleep Medicine	2018	437 (0.1%)	346 (0.0%)
Sleep Medicine	2019	521 (0.1%)	455 (0.1%)
Sleep Medicine	2020	313 (0.0%)	339 (0.0%)
Sleep Medicine	2021	437 (0.1%)	420 (0.0%)
Sports Medicine	Overall	27,601 (1.7%)	4,284 (0.3%)
Sports Medicine	2011	1,347 (0.3%)	385 (0.1%)
Sports Medicine	2012	1,495 (0.3%)	540 (0.1%)
Sports Medicine	2013	1,449 (0.3%)	692 (0.1%)
Sports Medicine	2014	2,141 (0.4%)	1,078 (0.2%)
Sports Medicine	2015	2,422 (0.4%)	1,634 (0.2%)
Sports Medicine	2016	2,744 (0.4%)	1,890 (0.3%)
Sports Medicine	2017	2,846 (0.4%)	1,825 (0.2%)
Sports Medicine	2018	3,464 (0.4%)	2,030 (0.3%)
Sports Medicine	2019	3,298 (0.4%)	2,297 (0.3%)
Sports Medicine	2020	2,400 (0.3%)	2,062 (0.3%)
Sports Medicine	2021	3,995 (0.5%)	2,575 (0.3%)

Denominator is all patients with generalist outpatient visit that year or year prior (or all in set for overall)

Numerator is all patients in denominator who also had at least one specialist outpatient visit to that particular subspecialty, divided into new (if no corresponding visit in prior years) or ongoing

Figure 2: Specialty outpatient visits by Insurance Type

All specialist visits dip in 2020 probably due to Covid.

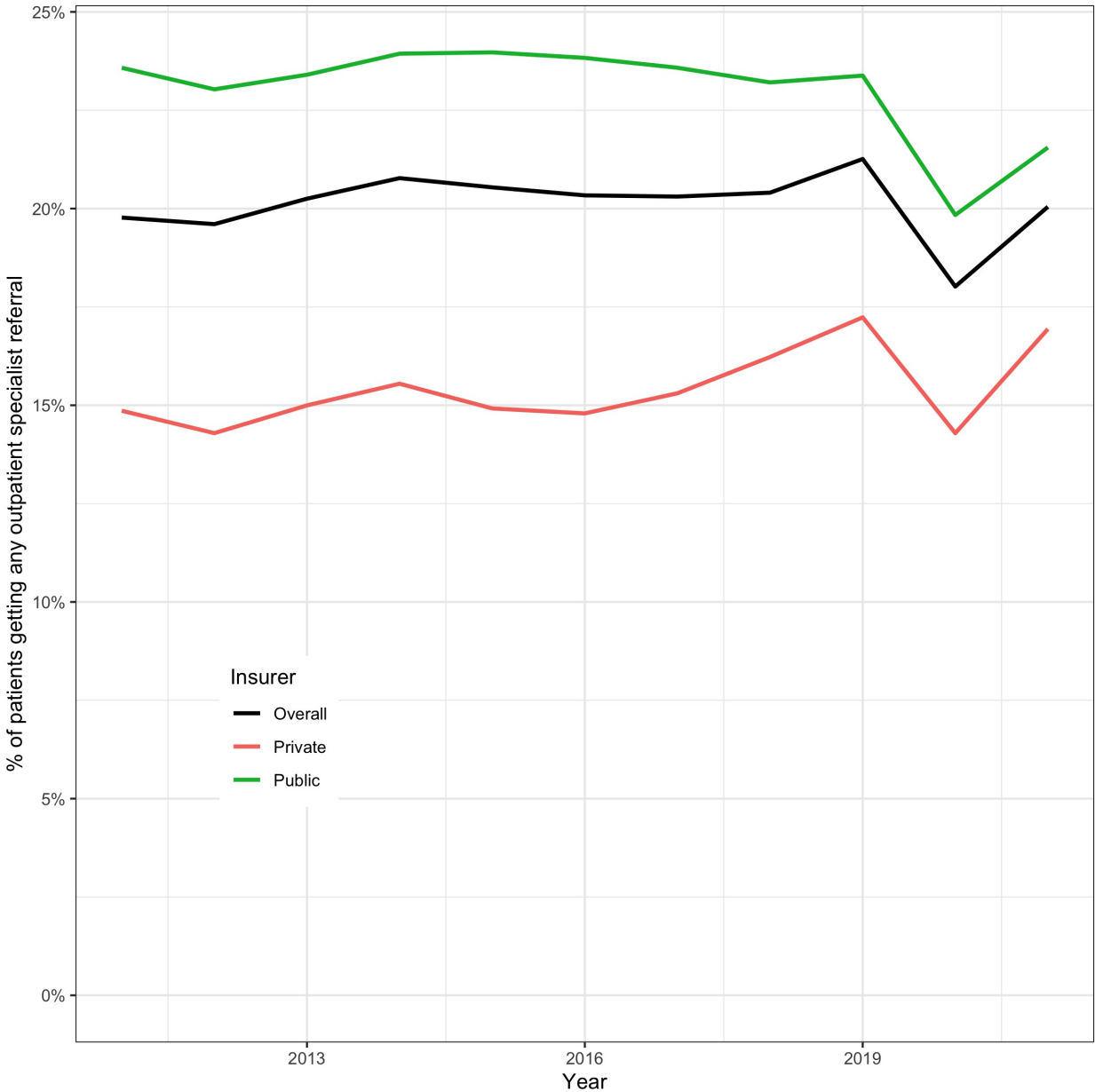


Figure 3: Specialist use trends from Table 4

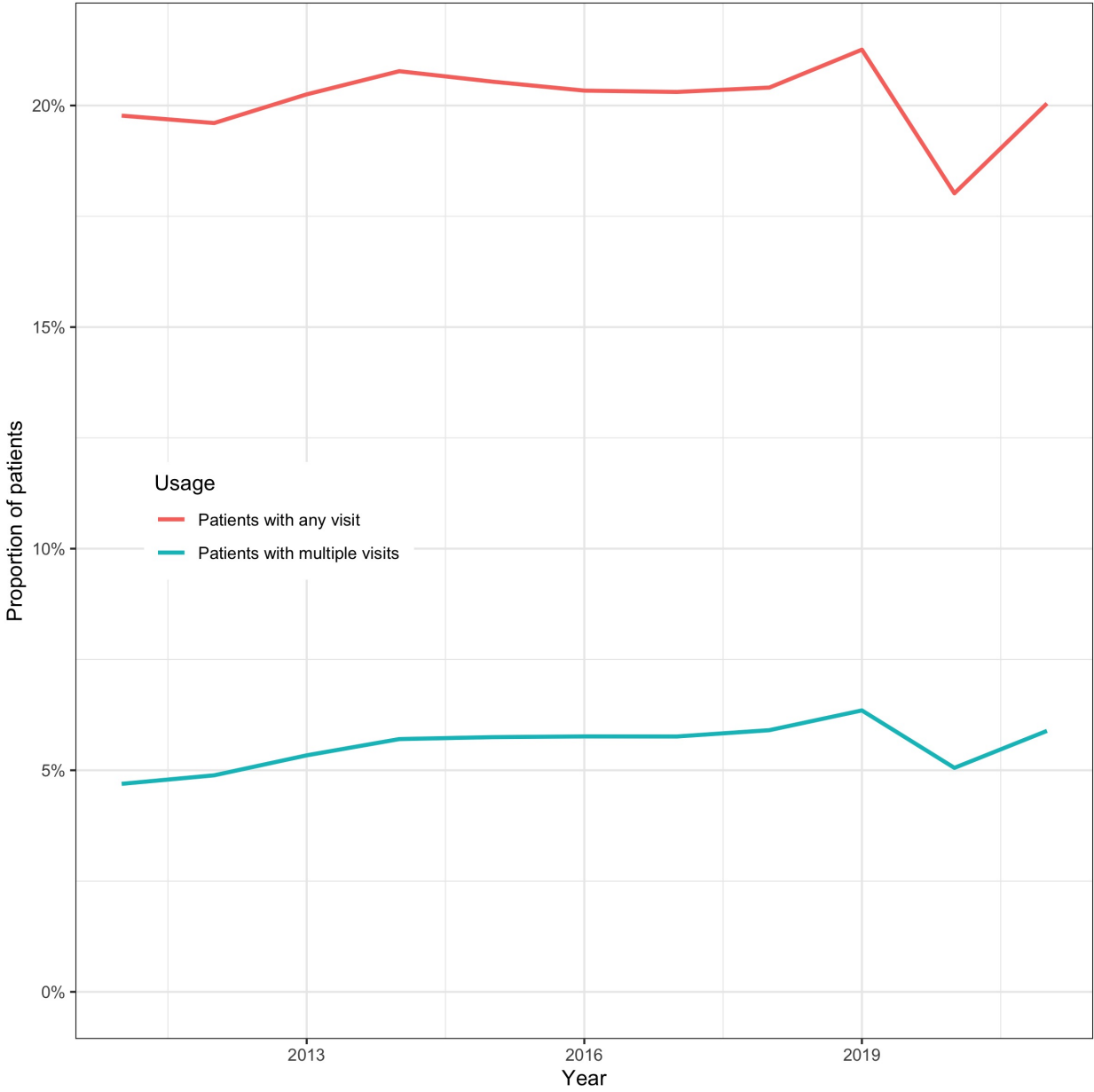


Figure 4: Compare total number in numerator (across specialties) to distinct number patients x mean specialties seen

Dots from Table 4A data for individual years. Line shows $y=x$

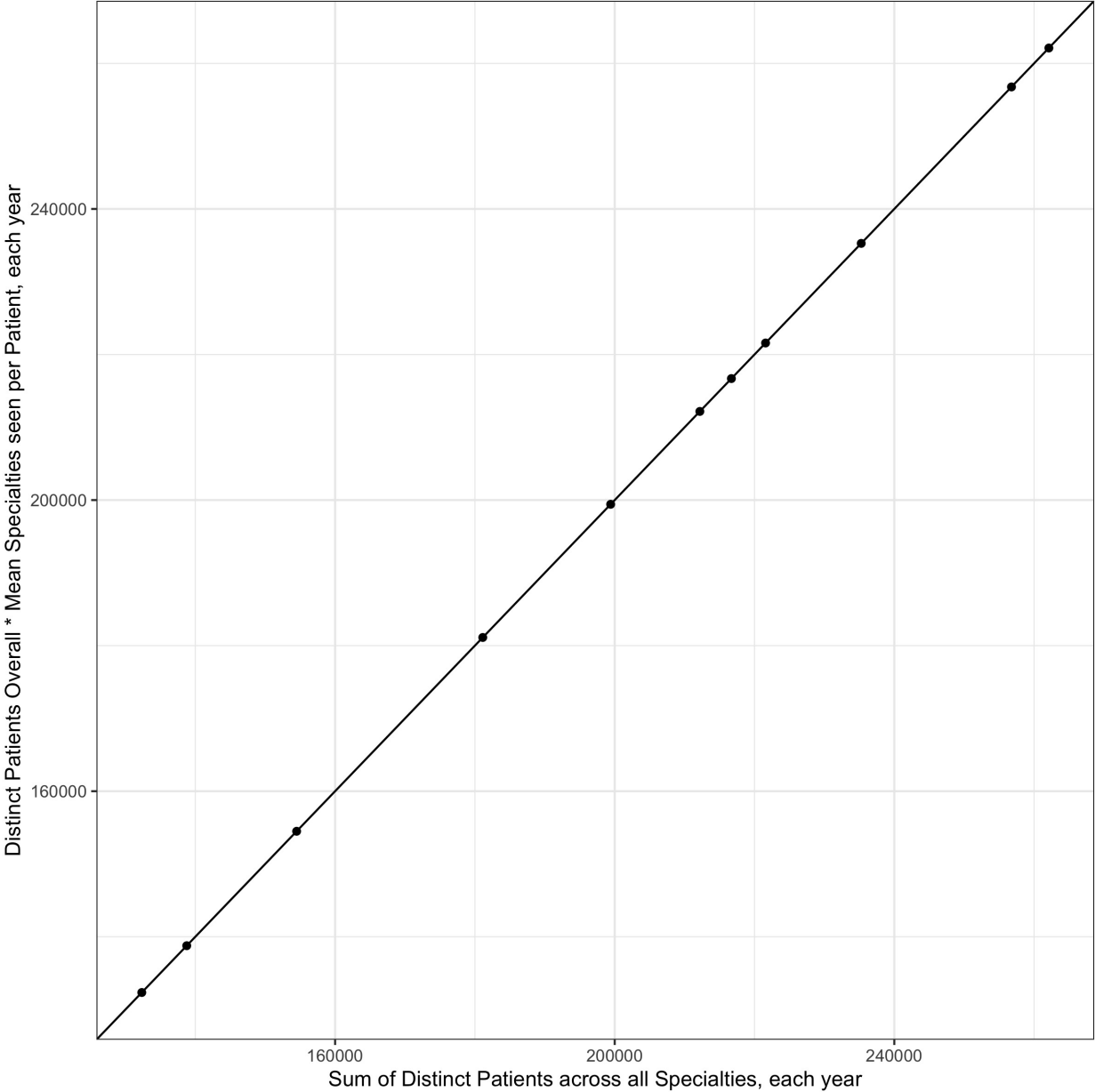
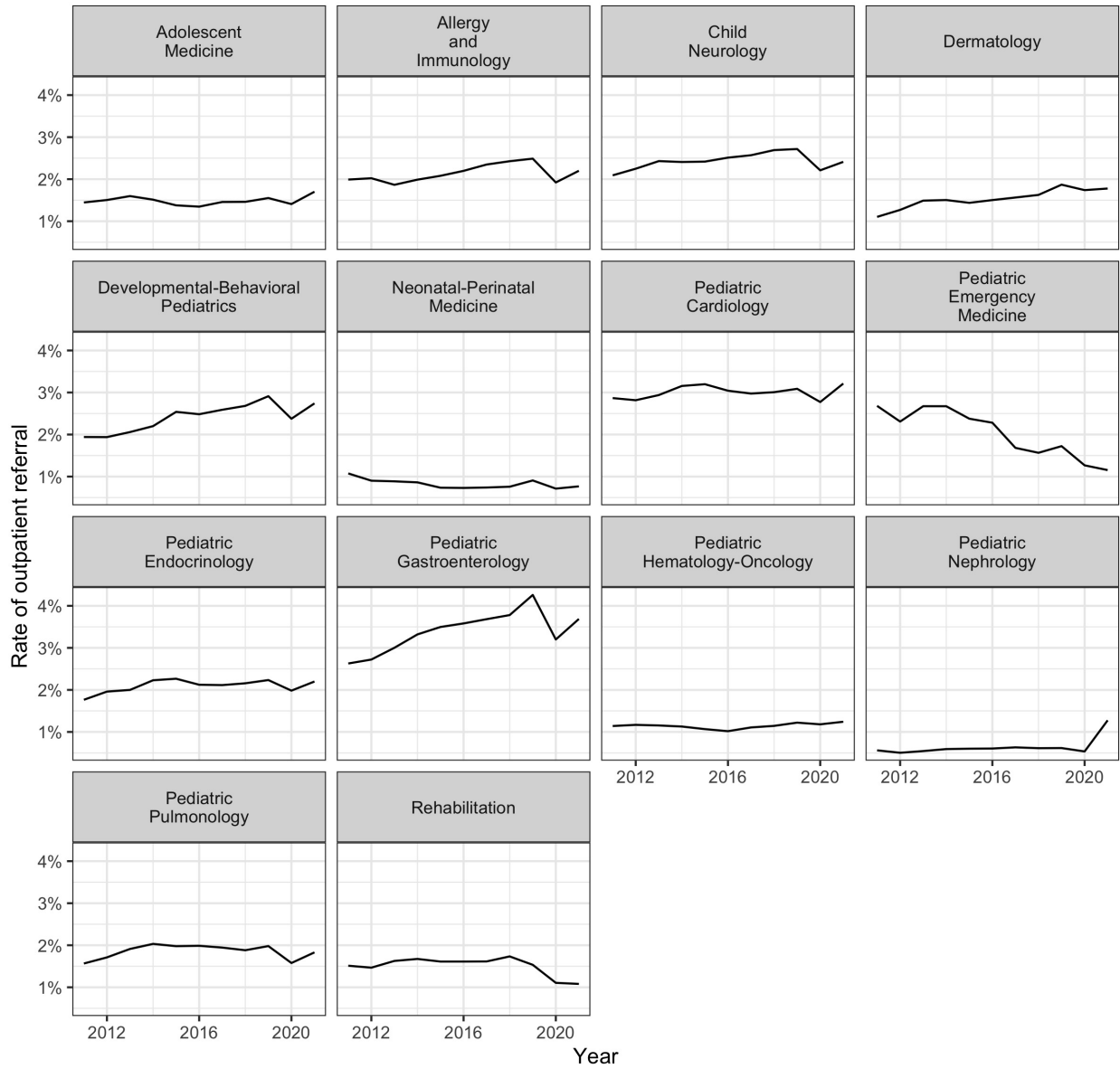


Figure 5: Plots of subspecialty referral rates vs calendar year

This is a selection of outpatient specialties with larger rates (>1%)



Denominator: patients with a general outpatient visit that year or prior year
 Numerator: patients with a subspecialty outpatient visit that year

Table 5: Proportion of children receiving care from a pediatric medical subspecialist in an outpatient department or community-based practice, overall and stratified by calendar year

Year	Insurer	Specialty	Patients in Denominator	n (%)
2011	Private	Adolescent Medicine	201,345	785 (0.4%)
2011	Private	Allergy and Immunology	201,345	3,351 (1.7%)
2011	Private	Child Abuse Pediatrics	201,345	<11 (<0.0%)
2011	Private	Child Neurology	201,345	3,301 (1.6%)
2011	Private	Dermatology	201,345	1,937 (1.0%)
2011	Private	Developmental-Behavioral Pediatrics	201,345	2,408 (1.2%)
2011	Private	Genetics	201,345	420 (0.2%)
2011	Private	Hospice and Palliative Medicine	201,345	88 (0.0%)
2011	Private	Neonatal-Perinatal Medicine	201,345	439 (0.2%)
2011	Private	Pediatric Cardiology	201,345	4,503 (2.2%)
2011	Private	Pediatric Critical Care Medicine	201,345	435 (0.2%)
2011	Private	Pediatric Emergency Medicine	201,345	3,206 (1.6%)
2011	Private	Pediatric Endocrinology	201,345	3,038 (1.5%)
2011	Private	Pediatric Gastroenterology	201,345	5,018 (2.5%)
2011	Private	Pediatric Hematology-Oncology	201,345	1,382 (0.7%)
2011	Private	Pediatric Infectious Diseases	201,345	337 (0.2%)
2011	Private	Pediatric Nephrology	201,345	769 (0.4%)
2011	Private	Pediatric Pulmonology	201,345	1,692 (0.8%)
2011	Private	Pediatric Rheumatology	201,345	734 (0.4%)
2011	Private	Pediatric Transplant Hepatology	201,345	12 (0.0%)
2011	Private	Rehabilitation	201,345	3,435 (1.7%)
2011	Private	Sleep Medicine	201,345	96 (0.0%)
2011	Private	Sports Medicine	201,345	508 (0.3%)
2011	Public	Adolescent Medicine	253,880	5,257 (2.1%)
2011	Public	Allergy and Immunology	253,880	5,291 (2.1%)
2011	Public	Child Abuse Pediatrics	253,880	455 (0.2%)
2011	Public	Child Neurology	253,880	6,430 (2.5%)
2011	Public	Dermatology	253,880	3,172 (1.2%)
2011	Public	Developmental-Behavioral Pediatrics	253,880	6,649 (2.6%)
2011	Public	Genetics	253,880	1,510 (0.6%)
2011	Public	Hospice and Palliative Medicine	253,880	216 (0.1%)
2011	Public	Medical Toxicology	253,880	<11 (<0.0%)
2011	Public	Neonatal-Perinatal Medicine	253,880	4,673 (1.8%)
2011	Public	Obesity	253,880	<11 (<0.0%)
2011	Public	Pediatric Cardiology	253,880	8,614 (3.4%)
2011	Public	Pediatric Critical Care Medicine	253,880	2,567 (1.0%)
2011	Public	Pediatric Emergency Medicine	253,880	9,430 (3.7%)
2011	Public	Pediatric Endocrinology	253,880	4,959 (2.0%)
2011	Public	Pediatric Gastroenterology	253,880	6,910 (2.7%)
2011	Public	Pediatric Hematology-Oncology	253,880	3,909 (1.5%)
2011	Public	Pediatric Infectious Diseases	253,880	1,156 (0.5%)
2011	Public	Pediatric Nephrology	253,880	1,806 (0.7%)
2011	Public	Pediatric Pulmonology	253,880	5,296 (2.1%)
2011	Public	Pediatric Rheumatology	253,880	1,116 (0.4%)

(continued)

Year	Insurer	Specialty	Patients in Denominator	n (%)
2011	Public	Pediatric Transplant Hepatology	253,880	<11 (<0.0%)
2011	Public	Rehabilitation	253,880	3,523 (1.4%)
2011	Public	Sleep Medicine	253,880	312 (0.1%)
2011	Public	Sports Medicine	253,880	1,088 (0.4%)
2011	Unknown/Self-Pay	Adolescent Medicine	38,403	1,096 (2.9%)
2011	Unknown/Self-Pay	Allergy and Immunology	38,403	1,185 (3.1%)
2011	Unknown/Self-Pay	Child Abuse Pediatrics	38,403	81 (0.2%)
2011	Unknown/Self-Pay	Child Neurology	38,403	593 (1.5%)
2011	Unknown/Self-Pay	Dermatology	38,403	336 (0.9%)
2011	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	38,403	525 (1.4%)
2011	Unknown/Self-Pay	Genetics	38,403	139 (0.4%)
2011	Unknown/Self-Pay	Hospice and Palliative Medicine	38,403	<11 (<0.0%)
2011	Unknown/Self-Pay	Neonatal-Perinatal Medicine	38,403	192 (0.5%)
2011	Unknown/Self-Pay	Pediatric Cardiology	38,403	1,036 (2.7%)
2011	Unknown/Self-Pay	Pediatric Critical Care Medicine	38,403	76 (0.2%)
2011	Unknown/Self-Pay	Pediatric Emergency Medicine	38,403	605 (1.6%)
2011	Unknown/Self-Pay	Pediatric Endocrinology	38,403	715 (1.9%)
2011	Unknown/Self-Pay	Pediatric Gastroenterology	38,403	1,046 (2.7%)
2011	Unknown/Self-Pay	Pediatric Hematology-Oncology	38,403	341 (0.9%)
2011	Unknown/Self-Pay	Pediatric Infectious Diseases	38,403	90 (0.2%)
2011	Unknown/Self-Pay	Pediatric Nephrology	38,403	199 (0.5%)
2011	Unknown/Self-Pay	Pediatric Pulmonology	38,403	742 (1.9%)
2011	Unknown/Self-Pay	Pediatric Rheumatology	38,403	109 (0.3%)
2011	Unknown/Self-Pay	Pediatric Transplant Hepatology	38,403	<11 (<0.0%)
2011	Unknown/Self-Pay	Rehabilitation	38,403	510 (1.3%)
2011	Unknown/Self-Pay	Sleep Medicine	38,403	335 (0.9%)
2011	Unknown/Self-Pay	Sports Medicine	38,403	136 (0.4%)
2012	Private	Adolescent Medicine	205,573	930 (0.5%)
2012	Private	Allergy and Immunology	205,573	3,574 (1.7%)
2012	Private	Child Abuse Pediatrics	205,573	<11 (<0.0%)
2012	Private	Child Neurology	205,573	3,686 (1.8%)
2012	Private	Dermatology	205,573	2,160 (1.1%)
2012	Private	Developmental-Behavioral Pediatrics	205,573	2,454 (1.2%)
2012	Private	Genetics	205,573	449 (0.2%)
2012	Private	Hospice and Palliative Medicine	205,573	43 (0.0%)
2012	Private	Neonatal-Perinatal Medicine	205,573	477 (0.2%)
2012	Private	Pediatric Cardiology	205,573	4,726 (2.3%)
2012	Private	Pediatric Critical Care Medicine	205,573	326 (0.2%)
2012	Private	Pediatric Emergency Medicine	205,573	1,199 (0.6%)
2012	Private	Pediatric Endocrinology	205,573	3,472 (1.7%)
2012	Private	Pediatric Gastroenterology	205,573	5,180 (2.5%)
2012	Private	Pediatric Hematology-Oncology	205,573	1,486 (0.7%)
2012	Private	Pediatric Infectious Diseases	205,573	436 (0.2%)
2012	Private	Pediatric Nephrology	205,573	631 (0.3%)
2012	Private	Pediatric Pulmonology	205,573	1,946 (0.9%)
2012	Private	Pediatric Rheumatology	205,573	745 (0.4%)
2012	Private	Pediatric Transplant Hepatology	205,573	<11 (<0.0%)

(continued)

Year	Insurer	Specialty	Patients in Denominator	n (%)
2012	Private	Rehabilitation	205,573	3,364 (1.6%)
2012	Private	Sleep Medicine	205,573	120 (0.1%)
2012	Private	Sports Medicine	205,573	570 (0.3%)
2012	Public	Adolescent Medicine	273,117	5,761 (2.1%)
2012	Public	Allergy and Immunology	273,117	5,806 (2.1%)
2012	Public	Child Abuse Pediatrics	273,117	308 (0.1%)
2012	Public	Child Neurology	273,117	7,232 (2.6%)
2012	Public	Dermatology	273,117	3,933 (1.4%)
2012	Public	Developmental-Behavioral Pediatrics	273,117	6,936 (2.5%)
2012	Public	Genetics	273,117	1,729 (0.6%)
2012	Public	Hospice and Palliative Medicine	273,117	152 (0.1%)
2012	Public	Medical Toxicology	273,117	<11 (<0.0%)
2012	Public	Neonatal-Perinatal Medicine	273,117	3,830 (1.4%)
2012	Public	Obesity	273,117	<11 (<0.0%)
2012	Public	Pediatric Cardiology	273,117	8,672 (3.2%)
2012	Public	Pediatric Critical Care Medicine	273,117	2,510 (0.9%)
2012	Public	Pediatric Emergency Medicine	273,117	9,879 (3.6%)
2012	Public	Pediatric Endocrinology	273,117	5,770 (2.1%)
2012	Public	Pediatric Gastroenterology	273,117	7,434 (2.7%)
2012	Public	Pediatric Hematology-Oncology	273,117	4,116 (1.5%)
2012	Public	Pediatric Infectious Diseases	273,117	1,644 (0.6%)
2012	Public	Pediatric Nephrology	273,117	1,625 (0.6%)
2012	Public	Pediatric Pulmonology	273,117	6,111 (2.2%)
2012	Public	Pediatric Rheumatology	273,117	1,088 (0.4%)
2012	Public	Pediatric Transplant Hepatology	273,117	<11 (<0.0%)
2012	Public	Rehabilitation	273,117	3,650 (1.3%)
2012	Public	Sleep Medicine	273,117	351 (0.1%)
2012	Public	Sports Medicine	273,117	1,315 (0.5%)
2012	Unknown/Self-Pay	Adolescent Medicine	34,444	1,030 (3.0%)
2012	Unknown/Self-Pay	Allergy and Immunology	34,444	998 (2.9%)
2012	Unknown/Self-Pay	Child Abuse Pediatrics	34,444	87 (0.3%)
2012	Unknown/Self-Pay	Child Neurology	34,444	621 (1.8%)
2012	Unknown/Self-Pay	Dermatology	34,444	422 (1.2%)
2012	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	34,444	557 (1.6%)
2012	Unknown/Self-Pay	Genetics	34,444	207 (0.6%)
2012	Unknown/Self-Pay	Hospice and Palliative Medicine	34,444	<11 (<0.0%)
2012	Unknown/Self-Pay	Neonatal-Perinatal Medicine	34,444	321 (0.9%)
2012	Unknown/Self-Pay	Obesity	34,444	<11 (<0.0%)
2012	Unknown/Self-Pay	Pediatric Cardiology	34,444	1,052 (3.1%)
2012	Unknown/Self-Pay	Pediatric Critical Care Medicine	34,444	154 (0.4%)
2012	Unknown/Self-Pay	Pediatric Emergency Medicine	34,444	767 (2.2%)
2012	Unknown/Self-Pay	Pediatric Endocrinology	34,444	815 (2.4%)
2012	Unknown/Self-Pay	Pediatric Gastroenterology	34,444	1,354 (3.9%)
2012	Unknown/Self-Pay	Pediatric Hematology-Oncology	34,444	393 (1.1%)
2012	Unknown/Self-Pay	Pediatric Infectious Diseases	34,444	91 (0.3%)
2012	Unknown/Self-Pay	Pediatric Nephrology	34,444	333 (1.0%)
2012	Unknown/Self-Pay	Pediatric Pulmonology	34,444	725 (2.1%)
2012	Unknown/Self-Pay	Pediatric Rheumatology	34,444	100 (0.3%)

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Year	Insurer	Specialty	Patients in Denominator	n (%)
2012	Unknown/Self-Pay	Rehabilitation	34,444	513 (1.5%)
2012	Unknown/Self-Pay	Sleep Medicine	34,444	235 (0.7%)
2012	Unknown/Self-Pay	Sports Medicine	34,444	150 (0.4%)
2013	Private	Adolescent Medicine	213,980	1,269 (0.6%)
2013	Private	Allergy and Immunology	213,980	3,868 (1.8%)
2013	Private	Child Abuse Pediatrics	213,980	<11 (<0.0%)
2013	Private	Child Neurology	213,980	4,178 (2.0%)
2013	Private	Dermatology	213,980	2,658 (1.2%)
2013	Private	Developmental-Behavioral Pediatrics	213,980	2,648 (1.2%)
2013	Private	Genetics	213,980	587 (0.3%)
2013	Private	Hospice and Palliative Medicine	213,980	26 (0.0%)
2013	Private	Neonatal-Perinatal Medicine	213,980	564 (0.3%)
2013	Private	Pediatric Cardiology	213,980	5,026 (2.3%)
2013	Private	Pediatric Critical Care Medicine	213,980	178 (0.1%)
2013	Private	Pediatric Emergency Medicine	213,980	1,433 (0.7%)
2013	Private	Pediatric Endocrinology	213,980	3,888 (1.8%)
2013	Private	Pediatric Gastroenterology	213,980	5,500 (2.6%)
2013	Private	Pediatric Hematology-Oncology	213,980	1,609 (0.8%)
2013	Private	Pediatric Infectious Diseases	213,980	441 (0.2%)
2013	Private	Pediatric Nephrology	213,980	709 (0.3%)
2013	Private	Pediatric Pulmonology	213,980	2,201 (1.0%)
2013	Private	Pediatric Rheumatology	213,980	830 (0.4%)
2013	Private	Pediatric Transplant Hepatology	213,980	<11 (<0.0%)
2013	Private	Rehabilitation	213,980	3,746 (1.8%)
2013	Private	Sleep Medicine	213,980	139 (0.1%)
2013	Private	Sports Medicine	213,980	625 (0.3%)
2013	Public	Adolescent Medicine	293,450	6,595 (2.2%)
2013	Public	Allergy and Immunology	293,450	5,727 (2.0%)
2013	Public	Child Abuse Pediatrics	293,450	306 (0.1%)
2013	Public	Child Neurology	293,450	8,268 (2.8%)
2013	Public	Dermatology	293,450	4,831 (1.6%)
2013	Public	Developmental-Behavioral Pediatrics	293,450	7,837 (2.7%)
2013	Public	Genetics	293,450	1,816 (0.6%)
2013	Public	Hospice and Palliative Medicine	293,450	243 (0.1%)
2013	Public	Medical Toxicology	293,450	<11 (<0.0%)
2013	Public	Neonatal-Perinatal Medicine	293,450	3,801 (1.3%)
2013	Public	Pediatric Cardiology	293,450	9,788 (3.3%)
2013	Public	Pediatric Critical Care Medicine	293,450	2,012 (0.7%)
2013	Public	Pediatric Emergency Medicine	293,450	11,822 (4.0%)
2013	Public	Pediatric Endocrinology	293,450	6,328 (2.2%)
2013	Public	Pediatric Gastroenterology	293,450	8,732 (3.0%)
2013	Public	Pediatric Hematology-Oncology	293,450	4,265 (1.5%)
2013	Public	Pediatric Infectious Diseases	293,450	1,617 (0.6%)
2013	Public	Pediatric Nephrology	293,450	1,812 (0.6%)
2013	Public	Pediatric Pulmonology	293,450	7,188 (2.4%)
2013	Public	Pediatric Rheumatology	293,450	1,128 (0.4%)
2013	Public	Pediatric Transplant Hepatology	293,450	127 (0.0%)

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Year	Insurer	Specialty	Patients in Denominator	n (%)
2013	Public	Rehabilitation	293,450	4,447 (1.5%)
2013	Public	Sleep Medicine	293,450	386 (0.1%)
2013	Public	Sports Medicine	293,450	1,306 (0.4%)
2013	Unknown/Self-Pay	Adolescent Medicine	33,289	776 (2.3%)
2013	Unknown/Self-Pay	Allergy and Immunology	33,289	494 (1.5%)
2013	Unknown/Self-Pay	Child Abuse Pediatrics	33,289	84 (0.3%)
2013	Unknown/Self-Pay	Child Neurology	33,289	693 (2.1%)
2013	Unknown/Self-Pay	Dermatology	33,289	567 (1.7%)
2013	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	33,289	647 (1.9%)
2013	Unknown/Self-Pay	Genetics	33,289	246 (0.7%)
2013	Unknown/Self-Pay	Hospice and Palliative Medicine	33,289	<11 (<0.0%)
2013	Unknown/Self-Pay	Neonatal-Perinatal Medicine	33,289	430 (1.3%)
2013	Unknown/Self-Pay	Obesity	33,289	<11 (<0.0%)
2013	Unknown/Self-Pay	Pediatric Cardiology	33,289	1,078 (3.2%)
2013	Unknown/Self-Pay	Pediatric Critical Care Medicine	33,289	99 (0.3%)
2013	Unknown/Self-Pay	Pediatric Emergency Medicine	33,289	1,205 (3.6%)
2013	Unknown/Self-Pay	Pediatric Endocrinology	33,289	594 (1.8%)
2013	Unknown/Self-Pay	Pediatric Gastroenterology	33,289	2,000 (6.0%)
2013	Unknown/Self-Pay	Pediatric Hematology-Oncology	33,289	366 (1.1%)
2013	Unknown/Self-Pay	Pediatric Infectious Diseases	33,289	97 (0.3%)
2013	Unknown/Self-Pay	Pediatric Nephrology	33,289	426 (1.3%)
2013	Unknown/Self-Pay	Pediatric Pulmonology	33,289	951 (2.9%)
2013	Unknown/Self-Pay	Pediatric Rheumatology	33,289	124 (0.4%)
2013	Unknown/Self-Pay	Pediatric Transplant Hepatology	33,289	110 (0.3%)
2013	Unknown/Self-Pay	Rehabilitation	33,289	607 (1.8%)
2013	Unknown/Self-Pay	Sleep Medicine	33,289	167 (0.5%)
2013	Unknown/Self-Pay	Sports Medicine	33,289	210 (0.6%)
2014	Private	Adolescent Medicine	249,574	1,686 (0.7%)
2014	Private	Allergy and Immunology	249,574	4,352 (1.7%)
2014	Private	Child Abuse Pediatrics	249,574	11 (0.0%)
2014	Private	Child Neurology	249,574	4,986 (2.0%)
2014	Private	Dermatology	249,574	3,056 (1.2%)
2014	Private	Developmental-Behavioral Pediatrics	249,574	3,268 (1.3%)
2014	Private	Genetics	249,574	615 (0.2%)
2014	Private	Hospice and Palliative Medicine	249,574	49 (0.0%)
2014	Private	Neonatal-Perinatal Medicine	249,574	701 (0.3%)
2014	Private	Pediatric Cardiology	249,574	6,561 (2.6%)
2014	Private	Pediatric Critical Care Medicine	249,574	161 (0.1%)
2014	Private	Pediatric Emergency Medicine	249,574	1,665 (0.7%)
2014	Private	Pediatric Endocrinology	249,574	4,388 (1.8%)
2014	Private	Pediatric Gastroenterology	249,574	6,906 (2.8%)
2014	Private	Pediatric Hematology-Oncology	249,574	1,886 (0.8%)
2014	Private	Pediatric Infectious Diseases	249,574	793 (0.3%)
2014	Private	Pediatric Nephrology	249,574	990 (0.4%)
2014	Private	Pediatric Pulmonology	249,574	2,900 (1.2%)
2014	Private	Pediatric Rheumatology	249,574	1,024 (0.4%)
2014	Private	Pediatric Transplant Hepatology	249,574	41 (0.0%)
2014	Private	Rehabilitation	249,574	4,478 (1.8%)

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Year	Insurer	Specialty	Patients in Denominator	n (%)
2014	Private	Sleep Medicine	249,574	143 (0.1%)
2014	Private	Sports Medicine	249,574	1,228 (0.5%)
2014	Public	Adolescent Medicine	321,943	6,852 (2.1%)
2014	Public	Allergy and Immunology	321,943	7,175 (2.2%)
2014	Public	Child Abuse Pediatrics	321,943	475 (0.1%)
2014	Public	Child Neurology	321,943	8,908 (2.8%)
2014	Public	Dermatology	321,943	5,508 (1.7%)
2014	Public	Developmental-Behavioral Pediatrics	321,943	9,291 (2.9%)
2014	Public	Genetics	321,943	2,028 (0.6%)
2014	Public	Hospice and Palliative Medicine	321,943	339 (0.1%)
2014	Public	Medical Toxicology	321,943	<11 (<0.0%)
2014	Public	Neonatal-Perinatal Medicine	321,943	3,957 (1.2%)
2014	Public	Obesity	321,943	<11 (<0.0%)
2014	Public	Pediatric Cardiology	321,943	11,136 (3.5%)
2014	Public	Pediatric Critical Care Medicine	321,943	1,989 (0.6%)
2014	Public	Pediatric Emergency Medicine	321,943	12,825 (4.0%)
2014	Public	Pediatric Endocrinology	321,943	8,459 (2.6%)
2014	Public	Pediatric Gastroenterology	321,943	10,662 (3.3%)
2014	Public	Pediatric Hematology-Oncology	321,943	4,515 (1.4%)
2014	Public	Pediatric Infectious Diseases	321,943	1,580 (0.5%)
2014	Public	Pediatric Nephrology	321,943	2,220 (0.7%)
2014	Public	Pediatric Pulmonology	321,943	8,268 (2.6%)
2014	Public	Pediatric Rheumatology	321,943	1,319 (0.4%)
2014	Public	Pediatric Transplant Hepatology	321,943	268 (0.1%)
2014	Public	Rehabilitation	321,943	5,007 (1.6%)
2014	Public	Sleep Medicine	321,943	447 (0.1%)
2014	Public	Sports Medicine	321,943	1,693 (0.5%)
2014	Unknown/Self-Pay	Adolescent Medicine	34,844	637 (1.8%)
2014	Unknown/Self-Pay	Allergy and Immunology	34,844	531 (1.5%)
2014	Unknown/Self-Pay	Child Abuse Pediatrics	34,844	80 (0.2%)
2014	Unknown/Self-Pay	Child Neurology	34,844	713 (2.0%)
2014	Unknown/Self-Pay	Dermatology	34,844	556 (1.6%)
2014	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	34,844	780 (2.2%)
2014	Unknown/Self-Pay	Genetics	34,844	267 (0.8%)
2014	Unknown/Self-Pay	Hospice and Palliative Medicine	34,844	<11 (<0.0%)
2014	Unknown/Self-Pay	Neonatal-Perinatal Medicine	34,844	571 (1.6%)
2014	Unknown/Self-Pay	Obesity	34,844	<11 (<0.0%)
2014	Unknown/Self-Pay	Pediatric Cardiology	34,844	1,437 (4.1%)
2014	Unknown/Self-Pay	Pediatric Critical Care Medicine	34,844	114 (0.3%)
2014	Unknown/Self-Pay	Pediatric Emergency Medicine	34,844	1,721 (4.9%)
2014	Unknown/Self-Pay	Pediatric Endocrinology	34,844	670 (1.9%)
2014	Unknown/Self-Pay	Pediatric Gastroenterology	34,844	2,564 (7.4%)
2014	Unknown/Self-Pay	Pediatric Hematology-Oncology	34,844	443 (1.3%)
2014	Unknown/Self-Pay	Pediatric Infectious Diseases	34,844	148 (0.4%)
2014	Unknown/Self-Pay	Pediatric Nephrology	34,844	380 (1.1%)
2014	Unknown/Self-Pay	Pediatric Pulmonology	34,844	1,156 (3.3%)
2014	Unknown/Self-Pay	Pediatric Rheumatology	34,844	144 (0.4%)

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Year	Insurer	Specialty	Patients in Denominator	n (%)
2014	Unknown/Self-Pay	Pediatric Transplant Hepatology	34,844	214 (0.6%)
2014	Unknown/Self-Pay	Rehabilitation	34,844	669 (1.9%)
2014	Unknown/Self-Pay	Sleep Medicine	34,844	206 (0.6%)
2014	Unknown/Self-Pay	Sports Medicine	34,844	298 (0.9%)
2015	Private	Adolescent Medicine	282,463	1,519 (0.5%)
2015	Private	Allergy and Immunology	282,463	4,914 (1.7%)
2015	Private	Child Abuse Pediatrics	282,463	<11 (<0.0%)
2015	Private	Child Neurology	282,463	5,530 (2.0%)
2015	Private	Dermatology	282,463	3,106 (1.1%)
2015	Private	Developmental-Behavioral Pediatrics	282,463	3,973 (1.4%)
2015	Private	Genetics	282,463	631 (0.2%)
2015	Private	Hospice and Palliative Medicine	282,463	59 (0.0%)
2015	Private	Medical Toxicology	282,463	<11 (<0.0%)
2015	Private	Neonatal-Perinatal Medicine	282,463	689 (0.2%)
2015	Private	Pediatric Cardiology	282,463	7,540 (2.7%)
2015	Private	Pediatric Critical Care Medicine	282,463	183 (0.1%)
2015	Private	Pediatric Emergency Medicine	282,463	1,157 (0.4%)
2015	Private	Pediatric Endocrinology	282,463	4,994 (1.8%)
2015	Private	Pediatric Gastroenterology	282,463	7,704 (2.7%)
2015	Private	Pediatric Hematology-Oncology	282,463	1,860 (0.7%)
2015	Private	Pediatric Infectious Diseases	282,463	1,089 (0.4%)
2015	Private	Pediatric Nephrology	282,463	1,036 (0.4%)
2015	Private	Pediatric Pulmonology	282,463	3,505 (1.2%)
2015	Private	Pediatric Rheumatology	282,463	1,133 (0.4%)
2015	Private	Pediatric Transplant Hepatology	282,463	47 (0.0%)
2015	Private	Rehabilitation	282,463	4,523 (1.6%)
2015	Private	Sleep Medicine	282,463	127 (0.0%)
2015	Private	Sports Medicine	282,463	1,866 (0.7%)
2015	Public	Adolescent Medicine	345,177	7,027 (2.0%)
2015	Public	Allergy and Immunology	345,177	8,139 (2.4%)
2015	Public	Child Abuse Pediatrics	345,177	381 (0.1%)
2015	Public	Child Neurology	345,177	9,637 (2.8%)
2015	Public	Dermatology	345,177	5,866 (1.7%)
2015	Public	Developmental-Behavioral Pediatrics	345,177	11,823 (3.4%)
2015	Public	Genetics	345,177	2,160 (0.6%)
2015	Public	Hospice and Palliative Medicine	345,177	326 (0.1%)
2015	Public	Medical Toxicology	345,177	11 (0.0%)
2015	Public	Neonatal-Perinatal Medicine	345,177	3,639 (1.1%)
2015	Public	Obesity	345,177	<11 (<0.0%)
2015	Public	Pediatric Cardiology	345,177	12,043 (3.5%)
2015	Public	Pediatric Critical Care Medicine	345,177	2,221 (0.6%)
2015	Public	Pediatric Emergency Medicine	345,177	12,552 (3.6%)
2015	Public	Pediatric Endocrinology	345,177	9,036 (2.6%)
2015	Public	Pediatric Gastroenterology	345,177	12,071 (3.5%)
2015	Public	Pediatric Hematology-Oncology	345,177	4,579 (1.3%)
2015	Public	Pediatric Infectious Diseases	345,177	1,829 (0.5%)
2015	Public	Pediatric Nephrology	345,177	2,562 (0.7%)
2015	Public	Pediatric Pulmonology	345,177	8,474 (2.5%)

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Year	Insurer	Specialty	Patients in Denominator	n (%)
2015	Public	Pediatric Rheumatology	345,177	1,646 (0.5%)
2015	Public	Pediatric Transplant Hepatology	345,177	240 (0.1%)
2015	Public	Rehabilitation	345,177	5,394 (1.6%)
2015	Public	Sleep Medicine	345,177	354 (0.1%)
2015	Public	Sports Medicine	345,177	1,831 (0.5%)
2015	Unknown/Self-Pay	Adolescent Medicine	39,141	639 (1.6%)
2015	Unknown/Self-Pay	Allergy and Immunology	39,141	820 (2.1%)
2015	Unknown/Self-Pay	Child Abuse Pediatrics	39,141	76 (0.2%)
2015	Unknown/Self-Pay	Child Neurology	39,141	956 (2.4%)
2015	Unknown/Self-Pay	Dermatology	39,141	611 (1.6%)
2015	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	39,141	1,139 (2.9%)
2015	Unknown/Self-Pay	Genetics	39,141	415 (1.1%)
2015	Unknown/Self-Pay	Hospice and Palliative Medicine	39,141	<11 (<0.0%)
2015	Unknown/Self-Pay	Neonatal-Perinatal Medicine	39,141	573 (1.5%)
2015	Unknown/Self-Pay	Obesity	39,141	<11 (<0.0%)
2015	Unknown/Self-Pay	Pediatric Cardiology	39,141	1,737 (4.4%)
2015	Unknown/Self-Pay	Pediatric Critical Care Medicine	39,141	388 (1.0%)
2015	Unknown/Self-Pay	Pediatric Emergency Medicine	39,141	2,140 (5.5%)
2015	Unknown/Self-Pay	Pediatric Endocrinology	39,141	1,077 (2.8%)
2015	Unknown/Self-Pay	Pediatric Gastroenterology	39,141	3,543 (9.1%)
2015	Unknown/Self-Pay	Pediatric Hematology-Oncology	39,141	676 (1.7%)
2015	Unknown/Self-Pay	Pediatric Infectious Diseases	39,141	173 (0.4%)
2015	Unknown/Self-Pay	Pediatric Nephrology	39,141	414 (1.1%)
2015	Unknown/Self-Pay	Pediatric Pulmonology	39,141	1,211 (3.1%)
2015	Unknown/Self-Pay	Pediatric Rheumatology	39,141	220 (0.6%)
2015	Unknown/Self-Pay	Pediatric Transplant Hepatology	39,141	242 (0.6%)
2015	Unknown/Self-Pay	Rehabilitation	39,141	833 (2.1%)
2015	Unknown/Self-Pay	Sleep Medicine	39,141	134 (0.3%)
2015	Unknown/Self-Pay	Sports Medicine	39,141	359 (0.9%)
2016	Private	Adolescent Medicine	313,481	1,467 (0.5%)
2016	Private	Allergy and Immunology	313,481	5,647 (1.8%)
2016	Private	Child Abuse Pediatrics	313,481	13 (0.0%)
2016	Private	Child Neurology	313,481	6,044 (1.9%)
2016	Private	Dermatology	313,481	3,617 (1.2%)
2016	Private	Developmental-Behavioral Pediatrics	313,481	4,445 (1.4%)
2016	Private	Genetics	313,481	670 (0.2%)
2016	Private	Hospice and Palliative Medicine	313,481	45 (0.0%)
2016	Private	Medical Toxicology	313,481	<11 (<0.0%)
2016	Private	Neonatal-Perinatal Medicine	313,481	747 (0.2%)
2016	Private	Pediatric Cardiology	313,481	7,404 (2.4%)
2016	Private	Pediatric Critical Care Medicine	313,481	207 (0.1%)
2016	Private	Pediatric Emergency Medicine	313,481	1,848 (0.6%)
2016	Private	Pediatric Endocrinology	313,481	5,250 (1.7%)
2016	Private	Pediatric Gastroenterology	313,481	8,969 (2.9%)
2016	Private	Pediatric Hematology-Oncology	313,481	1,931 (0.6%)
2016	Private	Pediatric Infectious Diseases	313,481	973 (0.3%)
2016	Private	Pediatric Nephrology	313,481	1,060 (0.3%)

(continued)

Year	Insurer	Specialty	Patients in Denominator	n (%)
2016	Private	Pediatric Pulmonology	313,481	3,823 (1.2%)
2016	Private	Pediatric Rheumatology	313,481	1,246 (0.4%)
2016	Private	Pediatric Transplant Hepatology	313,481	37 (0.0%)
2016	Private	Rehabilitation	313,481	4,768 (1.5%)
2016	Private	Sleep Medicine	313,481	159 (0.1%)
2016	Private	Sports Medicine	313,481	2,328 (0.7%)
2016	Public	Adolescent Medicine	357,692	7,388 (2.1%)
2016	Public	Allergy and Immunology	357,692	8,754 (2.4%)
2016	Public	Child Abuse Pediatrics	357,692	440 (0.1%)
2016	Public	Child Neurology	357,692	10,599 (3.0%)
2016	Public	Dermatology	357,692	6,532 (1.8%)
2016	Public	Developmental-Behavioral Pediatrics	357,692	11,959 (3.3%)
2016	Public	Genetics	357,692	2,203 (0.6%)
2016	Public	Hospice and Palliative Medicine	357,692	249 (0.1%)
2016	Public	Medical Toxicology	357,692	<11 (<0.0%)
2016	Public	Neonatal-Perinatal Medicine	357,692	3,868 (1.1%)
2016	Public	Obesity	357,692	<11 (<0.0%)
2016	Public	Pediatric Cardiology	357,692	12,360 (3.5%)
2016	Public	Pediatric Critical Care Medicine	357,692	2,736 (0.8%)
2016	Public	Pediatric Emergency Medicine	357,692	12,101 (3.4%)
2016	Public	Pediatric Endocrinology	357,692	8,442 (2.4%)
2016	Public	Pediatric Gastroenterology	357,692	13,018 (3.6%)
2016	Public	Pediatric Hematology-Oncology	357,692	4,590 (1.3%)
2016	Public	Pediatric Infectious Diseases	357,692	1,940 (0.5%)
2016	Public	Pediatric Nephrology	357,692	2,783 (0.8%)
2016	Public	Pediatric Pulmonology	357,692	9,037 (2.5%)
2016	Public	Pediatric Rheumatology	357,692	1,744 (0.5%)
2016	Public	Pediatric Transplant Hepatology	357,692	240 (0.1%)
2016	Public	Rehabilitation	357,692	5,768 (1.6%)
2016	Public	Sleep Medicine	357,692	483 (0.1%)
2016	Public	Sports Medicine	357,692	1,931 (0.5%)
2016	Unknown/Self-Pay	Adolescent Medicine	41,405	741 (1.8%)
2016	Unknown/Self-Pay	Allergy and Immunology	41,405	1,260 (3.0%)
2016	Unknown/Self-Pay	Child Abuse Pediatrics	41,405	105 (0.3%)
2016	Unknown/Self-Pay	Child Neurology	41,405	1,258 (3.0%)
2016	Unknown/Self-Pay	Dermatology	41,405	562 (1.4%)
2016	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	41,405	1,291 (3.1%)
2016	Unknown/Self-Pay	Genetics	41,405	412 (1.0%)
2016	Unknown/Self-Pay	Hospice and Palliative Medicine	41,405	<11 (<0.0%)
2016	Unknown/Self-Pay	Medical Toxicology	41,405	<11 (<0.0%)
2016	Unknown/Self-Pay	Neonatal-Perinatal Medicine	41,405	587 (1.4%)
2016	Unknown/Self-Pay	Obesity	41,405	<11 (<0.0%)
2016	Unknown/Self-Pay	Pediatric Cardiology	41,405	1,915 (4.6%)
2016	Unknown/Self-Pay	Pediatric Critical Care Medicine	41,405	275 (0.7%)
2016	Unknown/Self-Pay	Pediatric Emergency Medicine	41,405	2,305 (5.6%)
2016	Unknown/Self-Pay	Pediatric Endocrinology	41,405	1,434 (3.5%)
2016	Unknown/Self-Pay	Pediatric Gastroenterology	41,405	3,533 (8.5%)
2016	Unknown/Self-Pay	Pediatric Hematology-Oncology	41,405	735 (1.8%)

(continued)

Year	Insurer	Specialty	Patients in Denominator	n (%)
2016	Unknown/Self-Pay	Pediatric Infectious Diseases	41,405	173 (0.4%)
2016	Unknown/Self-Pay	Pediatric Nephrology	41,405	471 (1.1%)
2016	Unknown/Self-Pay	Pediatric Pulmonology	41,405	1,301 (3.1%)
2016	Unknown/Self-Pay	Pediatric Rheumatology	41,405	294 (0.7%)
2016	Unknown/Self-Pay	Pediatric Transplant Hepatology	41,405	244 (0.6%)
2016	Unknown/Self-Pay	Rehabilitation	41,405	953 (2.3%)
2016	Unknown/Self-Pay	Sleep Medicine	41,405	74 (0.2%)
2016	Unknown/Self-Pay	Sports Medicine	41,405	375 (0.9%)
2017	Private	Adolescent Medicine	329,194	1,611 (0.5%)
2017	Private	Allergy and Immunology	329,194	6,770 (2.1%)
2017	Private	Child Abuse Pediatrics	329,194	18 (0.0%)
2017	Private	Child Neurology	329,194	6,406 (1.9%)
2017	Private	Dermatology	329,194	4,241 (1.3%)
2017	Private	Developmental-Behavioral Pediatrics	329,194	5,169 (1.6%)
2017	Private	Genetics	329,194	727 (0.2%)
2017	Private	Hospice and Palliative Medicine	329,194	60 (0.0%)
2017	Private	Neonatal-Perinatal Medicine	329,194	756 (0.2%)
2017	Private	Pediatric Cardiology	329,194	7,769 (2.4%)
2017	Private	Pediatric Critical Care Medicine	329,194	194 (0.1%)
2017	Private	Pediatric Emergency Medicine	329,194	1,887 (0.6%)
2017	Private	Pediatric Endocrinology	329,194	5,576 (1.7%)
2017	Private	Pediatric Gastroenterology	329,194	10,027 (3.0%)
2017	Private	Pediatric Hematology-Oncology	329,194	2,174 (0.7%)
2017	Private	Pediatric Infectious Diseases	329,194	1,180 (0.4%)
2017	Private	Pediatric Nephrology	329,194	1,185 (0.4%)
2017	Private	Pediatric Pulmonology	329,194	3,842 (1.2%)
2017	Private	Pediatric Rheumatology	329,194	1,154 (0.4%)
2017	Private	Pediatric Transplant Hepatology	329,194	53 (0.0%)
2017	Private	Rehabilitation	329,194	4,927 (1.5%)
2017	Private	Sleep Medicine	329,194	194 (0.1%)
2017	Private	Sports Medicine	329,194	2,344 (0.7%)
2017	Public	Adolescent Medicine	370,761	8,046 (2.2%)
2017	Public	Allergy and Immunology	370,761	9,284 (2.5%)
2017	Public	Child Abuse Pediatrics	370,761	488 (0.1%)
2017	Public	Child Neurology	370,761	11,429 (3.1%)
2017	Public	Dermatology	370,761	6,777 (1.8%)
2017	Public	Developmental-Behavioral Pediatrics	370,761	12,890 (3.5%)
2017	Public	Genetics	370,761	2,611 (0.7%)
2017	Public	Hospice and Palliative Medicine	370,761	204 (0.1%)
2017	Public	Medical Toxicology	370,761	<11 (<0.0%)
2017	Public	Neonatal-Perinatal Medicine	370,761	4,122 (1.1%)
2017	Public	Obesity	370,761	<11 (<0.0%)
2017	Public	Pediatric Cardiology	370,761	12,789 (3.4%)
2017	Public	Pediatric Critical Care Medicine	370,761	3,561 (1.0%)
2017	Public	Pediatric Emergency Medicine	370,761	8,934 (2.4%)
2017	Public	Pediatric Endocrinology	370,761	8,574 (2.3%)
2017	Public	Pediatric Gastroenterology	370,761	13,894 (3.7%)

(continued)

Year	Insurer	Specialty	Patients in Denominator	n (%)
2017	Public	Pediatric Hematology-Oncology	370,761	5,319 (1.4%)
2017	Public	Pediatric Infectious Diseases	370,761	2,079 (0.6%)
2017	Public	Pediatric Nephrology	370,761	3,042 (0.8%)
2017	Public	Pediatric Pulmonology	370,761	9,370 (2.5%)
2017	Public	Pediatric Rheumatology	370,761	1,698 (0.5%)
2017	Public	Pediatric Transplant Hepatology	370,761	266 (0.1%)
2017	Public	Rehabilitation	370,761	6,054 (1.6%)
2017	Public	Sleep Medicine	370,761	598 (0.2%)
2017	Public	Sports Medicine	370,761	2,000 (0.5%)
2017	Unknown/Self-Pay	Adolescent Medicine	40,104	1,130 (2.8%)
2017	Unknown/Self-Pay	Allergy and Immunology	40,104	1,330 (3.3%)
2017	Unknown/Self-Pay	Child Abuse Pediatrics	40,104	131 (0.3%)
2017	Unknown/Self-Pay	Child Neurology	40,104	1,185 (3.0%)
2017	Unknown/Self-Pay	Dermatology	40,104	555 (1.4%)
2017	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	40,104	1,104 (2.8%)
2017	Unknown/Self-Pay	Genetics	40,104	578 (1.4%)
2017	Unknown/Self-Pay	Hospice and Palliative Medicine	40,104	<11 (<0.0%)
2017	Unknown/Self-Pay	Neonatal-Perinatal Medicine	40,104	599 (1.5%)
2017	Unknown/Self-Pay	Obesity	40,104	<11 (<0.0%)
2017	Unknown/Self-Pay	Pediatric Cardiology	40,104	1,454 (3.6%)
2017	Unknown/Self-Pay	Pediatric Critical Care Medicine	40,104	182 (0.5%)
2017	Unknown/Self-Pay	Pediatric Emergency Medicine	40,104	1,633 (4.1%)
2017	Unknown/Self-Pay	Pediatric Endocrinology	40,104	1,498 (3.7%)
2017	Unknown/Self-Pay	Pediatric Gastroenterology	40,104	3,331 (8.3%)
2017	Unknown/Self-Pay	Pediatric Hematology-Oncology	40,104	700 (1.7%)
2017	Unknown/Self-Pay	Pediatric Infectious Diseases	40,104	264 (0.7%)
2017	Unknown/Self-Pay	Pediatric Nephrology	40,104	458 (1.1%)
2017	Unknown/Self-Pay	Pediatric Pulmonology	40,104	1,180 (2.9%)
2017	Unknown/Self-Pay	Pediatric Rheumatology	40,104	247 (0.6%)
2017	Unknown/Self-Pay	Pediatric Transplant Hepatology	40,104	292 (0.7%)
2017	Unknown/Self-Pay	Rehabilitation	40,104	971 (2.4%)
2017	Unknown/Self-Pay	Sleep Medicine	40,104	117 (0.3%)
2017	Unknown/Self-Pay	Sports Medicine	40,104	327 (0.8%)
2018	Private	Adolescent Medicine	345,704	1,872 (0.5%)
2018	Private	Allergy and Immunology	345,704	7,858 (2.3%)
2018	Private	Child Abuse Pediatrics	345,704	<11 (<0.0%)
2018	Private	Child Neurology	345,704	7,053 (2.0%)
2018	Private	Dermatology	345,704	5,046 (1.5%)
2018	Private	Developmental-Behavioral Pediatrics	345,704	6,218 (1.8%)
2018	Private	Genetics	345,704	871 (0.3%)
2018	Private	Hospice and Palliative Medicine	345,704	74 (0.0%)
2018	Private	Neonatal-Perinatal Medicine	345,704	766 (0.2%)
2018	Private	Pediatric Cardiology	345,704	8,647 (2.5%)
2018	Private	Pediatric Critical Care Medicine	345,704	220 (0.1%)
2018	Private	Pediatric Emergency Medicine	345,704	2,344 (0.7%)
2018	Private	Pediatric Endocrinology	345,704	6,019 (1.7%)
2018	Private	Pediatric Gastroenterology	345,704	11,004 (3.2%)
2018	Private	Pediatric Hematology-Oncology	345,704	2,481 (0.7%)

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Year	Insurer	Specialty	Patients in Denominator	n (%)
2018	Private	Pediatric Infectious Diseases	345,704	979 (0.3%)
2018	Private	Pediatric Nephrology	345,704	1,241 (0.4%)
2018	Private	Pediatric Pulmonology	345,704	3,864 (1.1%)
2018	Private	Pediatric Rheumatology	345,704	1,311 (0.4%)
2018	Private	Pediatric Transplant Hepatology	345,704	90 (0.0%)
2018	Private	Rehabilitation	345,704	5,724 (1.7%)
2018	Private	Sleep Medicine	345,704	169 (0.0%)
2018	Private	Sports Medicine	345,704	3,129 (0.9%)
2018	Public	Adolescent Medicine	386,302	8,807 (2.3%)
2018	Public	Allergy and Immunology	386,302	9,596 (2.5%)
2018	Public	Child Abuse Pediatrics	386,302	534 (0.1%)
2018	Public	Child Neurology	386,302	12,522 (3.2%)
2018	Public	Dermatology	386,302	7,056 (1.8%)
2018	Public	Developmental-Behavioral Pediatrics	386,302	13,411 (3.5%)
2018	Public	Genetics	386,302	2,870 (0.7%)
2018	Public	Hospice and Palliative Medicine	386,302	235 (0.1%)
2018	Public	Medical Toxicology	386,302	<11 (<0.0%)
2018	Public	Neonatal-Perinatal Medicine	386,302	4,305 (1.1%)
2018	Public	Obesity	386,302	<11 (<0.0%)
2018	Public	Pediatric Cardiology	386,302	13,190 (3.4%)
2018	Public	Pediatric Critical Care Medicine	386,302	3,685 (1.0%)
2018	Public	Pediatric Emergency Medicine	386,302	7,945 (2.1%)
2018	Public	Pediatric Endocrinology	386,302	9,104 (2.4%)
2018	Public	Pediatric Gastroenterology	386,302	15,116 (3.9%)
2018	Public	Pediatric Hematology-Oncology	386,302	5,716 (1.5%)
2018	Public	Pediatric Infectious Diseases	386,302	1,637 (0.4%)
2018	Public	Pediatric Nephrology	386,302	3,128 (0.8%)
2018	Public	Pediatric Pulmonology	386,302	9,486 (2.5%)
2018	Public	Pediatric Rheumatology	386,302	1,901 (0.5%)
2018	Public	Pediatric Transplant Hepatology	386,302	308 (0.1%)
2018	Public	Rehabilitation	386,302	6,651 (1.7%)
2018	Public	Sleep Medicine	386,302	541 (0.1%)
2018	Public	Sports Medicine	386,302	2,054 (0.5%)
2018	Unknown/Self-Pay	Adolescent Medicine	40,585	605 (1.5%)
2018	Unknown/Self-Pay	Allergy and Immunology	40,585	1,299 (3.2%)
2018	Unknown/Self-Pay	Child Abuse Pediatrics	40,585	113 (0.3%)
2018	Unknown/Self-Pay	Child Neurology	40,585	1,223 (3.0%)
2018	Unknown/Self-Pay	Dermatology	40,585	458 (1.1%)
2018	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	40,585	1,091 (2.7%)
2018	Unknown/Self-Pay	Genetics	40,585	528 (1.3%)
2018	Unknown/Self-Pay	Hospice and Palliative Medicine	40,585	<11 (<0.0%)
2018	Unknown/Self-Pay	Neonatal-Perinatal Medicine	40,585	791 (1.9%)
2018	Unknown/Self-Pay	Obesity	40,585	<11 (<0.0%)
2018	Unknown/Self-Pay	Pediatric Cardiology	40,585	1,400 (3.4%)
2018	Unknown/Self-Pay	Pediatric Critical Care Medicine	40,585	46 (0.1%)
2018	Unknown/Self-Pay	Pediatric Emergency Medicine	40,585	1,810 (4.5%)
2018	Unknown/Self-Pay	Pediatric Endocrinology	40,585	1,543 (3.8%)

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Year	Insurer	Specialty	Patients in Denominator	n (%)
2018	Unknown/Self-Pay	Pediatric Gastroenterology	40,585	3,087 (7.6%)
2018	Unknown/Self-Pay	Pediatric Hematology-Oncology	40,585	642 (1.6%)
2018	Unknown/Self-Pay	Pediatric Infectious Diseases	40,585	226 (0.6%)
2018	Unknown/Self-Pay	Pediatric Nephrology	40,585	370 (0.9%)
2018	Unknown/Self-Pay	Pediatric Pulmonology	40,585	1,189 (2.9%)
2018	Unknown/Self-Pay	Pediatric Rheumatology	40,585	347 (0.9%)
2018	Unknown/Self-Pay	Pediatric Transplant Hepatology	40,585	288 (0.7%)
2018	Unknown/Self-Pay	Rehabilitation	40,585	1,025 (2.5%)
2018	Unknown/Self-Pay	Sleep Medicine	40,585	73 (0.2%)
2018	Unknown/Self-Pay	Sports Medicine	40,585	311 (0.8%)
2019	Private	Adolescent Medicine	363,189	2,269 (0.6%)
2019	Private	Allergy and Immunology	363,189	8,855 (2.4%)
2019	Private	Child Abuse Pediatrics	363,189	13 (0.0%)
2019	Private	Child Neurology	363,189	7,592 (2.1%)
2019	Private	Dermatology	363,189	6,124 (1.7%)
2019	Private	Developmental-Behavioral Pediatrics	363,189	7,472 (2.1%)
2019	Private	Genetics	363,189	1,246 (0.3%)
2019	Private	Hospice and Palliative Medicine	363,189	73 (0.0%)
2019	Private	Neonatal-Perinatal Medicine	363,189	796 (0.2%)
2019	Private	Pediatric Cardiology	363,189	9,342 (2.6%)
2019	Private	Pediatric Critical Care Medicine	363,189	302 (0.1%)
2019	Private	Pediatric Emergency Medicine	363,189	3,494 (1.0%)
2019	Private	Pediatric Endocrinology	363,189	6,340 (1.7%)
2019	Private	Pediatric Gastroenterology	363,189	13,656 (3.8%)
2019	Private	Pediatric Hematology-Oncology	363,189	2,842 (0.8%)
2019	Private	Pediatric Infectious Diseases	363,189	688 (0.2%)
2019	Private	Pediatric Nephrology	363,189	1,385 (0.4%)
2019	Private	Pediatric Pulmonology	363,189	4,387 (1.2%)
2019	Private	Pediatric Rheumatology	363,189	1,443 (0.4%)
2019	Private	Pediatric Transplant Hepatology	363,189	64 (0.0%)
2019	Private	Rehabilitation	363,189	4,812 (1.3%)
2019	Private	Sleep Medicine	363,189	174 (0.0%)
2019	Private	Sports Medicine	363,189	3,330 (0.9%)
2019	Public	Adolescent Medicine	402,542	9,655 (2.4%)
2019	Public	Allergy and Immunology	402,542	9,818 (2.4%)
2019	Public	Child Abuse Pediatrics	402,542	550 (0.1%)
2019	Public	Child Neurology	402,542	12,419 (3.1%)
2019	Public	Dermatology	402,542	8,359 (2.1%)
2019	Public	Developmental-Behavioral Pediatrics	402,542	14,689 (3.6%)
2019	Public	Genetics	402,542	3,239 (0.8%)
2019	Public	Hospice and Palliative Medicine	402,542	278 (0.1%)
2019	Public	Medical Toxicology	402,542	<11 (<0.0%)
2019	Public	Neonatal-Perinatal Medicine	402,542	4,326 (1.1%)
2019	Public	Obesity	402,542	<11 (<0.0%)
2019	Public	Pediatric Cardiology	402,542	13,765 (3.4%)
2019	Public	Pediatric Critical Care Medicine	402,542	3,678 (0.9%)
2019	Public	Pediatric Emergency Medicine	402,542	8,532 (2.1%)
2019	Public	Pediatric Endocrinology	402,542	9,825 (2.4%)

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Year	Insurer	Specialty	Patients in Denominator	n (%)
2019	Public	Pediatric Gastroenterology	402,542	16,727 (4.2%)
2019	Public	Pediatric Hematology-Oncology	402,542	6,004 (1.5%)
2019	Public	Pediatric Infectious Diseases	402,542	1,368 (0.3%)
2019	Public	Pediatric Nephrology	402,542	3,128 (0.8%)
2019	Public	Pediatric Pulmonology	402,542	10,197 (2.5%)
2019	Public	Pediatric Rheumatology	402,542	2,323 (0.6%)
2019	Public	Pediatric Transplant Hepatology	402,542	243 (0.1%)
2019	Public	Rehabilitation	402,542	6,647 (1.7%)
2019	Public	Sleep Medicine	402,542	715 (0.2%)
2019	Public	Sports Medicine	402,542	1,955 (0.5%)
2019	Unknown/Self-Pay	Adolescent Medicine	49,824	728 (1.5%)
2019	Unknown/Self-Pay	Allergy and Immunology	49,824	1,618 (3.2%)
2019	Unknown/Self-Pay	Child Abuse Pediatrics	49,824	119 (0.2%)
2019	Unknown/Self-Pay	Child Neurology	49,824	2,149 (4.3%)
2019	Unknown/Self-Pay	Dermatology	49,824	765 (1.5%)
2019	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	49,824	1,588 (3.2%)
2019	Unknown/Self-Pay	Genetics	49,824	633 (1.3%)
2019	Unknown/Self-Pay	Hospice and Palliative Medicine	49,824	<11 (<0.0%)
2019	Unknown/Self-Pay	Neonatal-Perinatal Medicine	49,824	2,278 (4.6%)
2019	Unknown/Self-Pay	Pediatric Cardiology	49,824	2,074 (4.2%)
2019	Unknown/Self-Pay	Pediatric Critical Care Medicine	49,824	84 (0.2%)
2019	Unknown/Self-Pay	Pediatric Emergency Medicine	49,824	2,032 (4.1%)
2019	Unknown/Self-Pay	Pediatric Endocrinology	49,824	2,053 (4.1%)
2019	Unknown/Self-Pay	Pediatric Gastroenterology	49,824	4,348 (8.7%)
2019	Unknown/Self-Pay	Pediatric Hematology-Oncology	49,824	1,113 (2.2%)
2019	Unknown/Self-Pay	Pediatric Infectious Diseases	49,824	307 (0.6%)
2019	Unknown/Self-Pay	Pediatric Nephrology	49,824	514 (1.0%)
2019	Unknown/Self-Pay	Pediatric Pulmonology	49,824	1,568 (3.1%)
2019	Unknown/Self-Pay	Pediatric Rheumatology	49,824	1,258 (2.5%)
2019	Unknown/Self-Pay	Pediatric Transplant Hepatology	49,824	279 (0.6%)
2019	Unknown/Self-Pay	Rehabilitation	49,824	1,055 (2.1%)
2019	Unknown/Self-Pay	Sleep Medicine	49,824	87 (0.2%)
2019	Unknown/Self-Pay	Sports Medicine	49,824	310 (0.6%)
2020	Private	Adolescent Medicine	363,588	2,061 (0.6%)
2020	Private	Allergy and Immunology	363,588	7,274 (2.0%)
2020	Private	Child Abuse Pediatrics	363,588	<11 (<0.0%)
2020	Private	Child Neurology	363,588	5,917 (1.6%)
2020	Private	Dermatology	363,588	5,921 (1.6%)
2020	Private	Developmental-Behavioral Pediatrics	363,588	5,966 (1.6%)
2020	Private	Genetics	363,588	1,049 (0.3%)
2020	Private	Hospice and Palliative Medicine	363,588	74 (0.0%)
2020	Private	Neonatal-Perinatal Medicine	363,588	772 (0.2%)
2020	Private	Pediatric Cardiology	363,588	8,249 (2.3%)
2020	Private	Pediatric Critical Care Medicine	363,588	282 (0.1%)
2020	Private	Pediatric Emergency Medicine	363,588	2,757 (0.8%)
2020	Private	Pediatric Endocrinology	363,588	5,295 (1.5%)
2020	Private	Pediatric Gastroenterology	363,588	9,074 (2.5%)

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Year	Insurer	Specialty	Patients in Denominator	n (%)
2020	Private	Pediatric Hematology-Oncology	363,588	3,036 (0.8%)
2020	Private	Pediatric Infectious Diseases	363,588	427 (0.1%)
2020	Private	Pediatric Nephrology	363,588	1,145 (0.3%)
2020	Private	Pediatric Pulmonology	363,588	3,401 (0.9%)
2020	Private	Pediatric Rheumatology	363,588	1,290 (0.4%)
2020	Private	Pediatric Transplant Hepatology	363,588	24 (0.0%)
2020	Private	Rehabilitation	363,588	3,204 (0.9%)
2020	Private	Sleep Medicine	363,588	128 (0.0%)
2020	Private	Sports Medicine	363,588	2,616 (0.7%)
2020	Public	Adolescent Medicine	401,447	8,708 (2.2%)
2020	Public	Allergy and Immunology	401,447	7,378 (1.8%)
2020	Public	Child Abuse Pediatrics	401,447	356 (0.1%)
2020	Public	Child Neurology	401,447	9,919 (2.5%)
2020	Public	Dermatology	401,447	7,339 (1.8%)
2020	Public	Developmental-Behavioral Pediatrics	401,447	11,643 (2.9%)
2020	Public	Genetics	401,447	2,467 (0.6%)
2020	Public	Hospice and Palliative Medicine	401,447	243 (0.1%)
2020	Public	Medical Toxicology	401,447	<11 (<0.0%)
2020	Public	Neonatal-Perinatal Medicine	401,447	3,277 (0.8%)
2020	Public	Obesity	401,447	<11 (<0.0%)
2020	Public	Pediatric Cardiology	401,447	12,251 (3.1%)
2020	Public	Pediatric Critical Care Medicine	401,447	2,452 (0.6%)
2020	Public	Pediatric Emergency Medicine	401,447	6,092 (1.5%)
2020	Public	Pediatric Endocrinology	401,447	8,878 (2.2%)
2020	Public	Pediatric Gastroenterology	401,447	13,094 (3.3%)
2020	Public	Pediatric Hematology-Oncology	401,447	5,417 (1.3%)
2020	Public	Pediatric Infectious Diseases	401,447	1,149 (0.3%)
2020	Public	Pediatric Nephrology	401,447	2,725 (0.7%)
2020	Public	Pediatric Pulmonology	401,447	8,186 (2.0%)
2020	Public	Pediatric Rheumatology	401,447	2,026 (0.5%)
2020	Public	Pediatric Transplant Hepatology	401,447	156 (0.0%)
2020	Public	Rehabilitation	401,447	4,974 (1.2%)
2020	Public	Sleep Medicine	401,447	474 (0.1%)
2020	Public	Sports Medicine	401,447	1,602 (0.4%)
2020	Unknown/Self-Pay	Adolescent Medicine	55,644	785 (1.4%)
2020	Unknown/Self-Pay	Allergy and Immunology	55,644	1,120 (2.0%)
2020	Unknown/Self-Pay	Child Abuse Pediatrics	55,644	97 (0.2%)
2020	Unknown/Self-Pay	Child Neurology	55,644	2,306 (4.1%)
2020	Unknown/Self-Pay	Dermatology	55,644	1,017 (1.8%)
2020	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	55,644	1,888 (3.4%)
2020	Unknown/Self-Pay	Genetics	55,644	669 (1.2%)
2020	Unknown/Self-Pay	Hospice and Palliative Medicine	55,644	<11 (<0.0%)
2020	Unknown/Self-Pay	Neonatal-Perinatal Medicine	55,644	1,807 (3.2%)
2020	Unknown/Self-Pay	Pediatric Cardiology	55,644	2,260 (4.1%)
2020	Unknown/Self-Pay	Pediatric Critical Care Medicine	55,644	123 (0.2%)
2020	Unknown/Self-Pay	Pediatric Emergency Medicine	55,644	1,553 (2.8%)
2020	Unknown/Self-Pay	Pediatric Endocrinology	55,644	2,098 (3.8%)
2020	Unknown/Self-Pay	Pediatric Gastroenterology	55,644	4,090 (7.4%)

(continued)

Year	Insurer	Specialty	Patients in Denominator	n (%)
2020	Unknown/Self-Pay	Pediatric Hematology-Oncology	55,644	1,238 (2.2%)
2020	Unknown/Self-Pay	Pediatric Infectious Diseases	55,644	272 (0.5%)
2020	Unknown/Self-Pay	Pediatric Nephrology	55,644	527 (0.9%)
2020	Unknown/Self-Pay	Pediatric Pulmonology	55,644	1,361 (2.4%)
2020	Unknown/Self-Pay	Pediatric Rheumatology	55,644	1,294 (2.3%)
2020	Unknown/Self-Pay	Pediatric Transplant Hepatology	55,644	206 (0.4%)
2020	Unknown/Self-Pay	Rehabilitation	55,644	899 (1.6%)
2020	Unknown/Self-Pay	Sleep Medicine	55,644	50 (0.1%)
2020	Unknown/Self-Pay	Sports Medicine	55,644	244 (0.4%)
2021	Private	Adolescent Medicine	376,717	2,838 (0.8%)
2021	Private	Allergy and Immunology	376,717	8,874 (2.4%)
2021	Private	Child Abuse Pediatrics	376,717	12 (0.0%)
2021	Private	Child Neurology	376,717	7,059 (1.9%)
2021	Private	Dermatology	376,717	6,536 (1.7%)
2021	Private	Developmental-Behavioral Pediatrics	376,717	7,479 (2.0%)
2021	Private	Genetics	376,717	1,342 (0.4%)
2021	Private	Hospice and Palliative Medicine	376,717	110 (0.0%)
2021	Private	Neonatal-Perinatal Medicine	376,717	829 (0.2%)
2021	Private	Pediatric Cardiology	376,717	10,274 (2.7%)
2021	Private	Pediatric Critical Care Medicine	376,717	221 (0.1%)
2021	Private	Pediatric Emergency Medicine	376,717	2,334 (0.6%)
2021	Private	Pediatric Endocrinology	376,717	6,396 (1.7%)
2021	Private	Pediatric Gastroenterology	376,717	11,330 (3.0%)
2021	Private	Pediatric Hematology-Oncology	376,717	3,578 (0.9%)
2021	Private	Pediatric Infectious Diseases	376,717	642 (0.2%)
2021	Private	Pediatric Nephrology	376,717	5,763 (1.5%)
2021	Private	Pediatric Pulmonology	376,717	4,173 (1.1%)
2021	Private	Pediatric Rheumatology	376,717	1,810 (0.5%)
2021	Private	Pediatric Transplant Hepatology	376,717	26 (0.0%)
2021	Private	Rehabilitation	376,717	2,291 (0.6%)
2021	Private	Sleep Medicine	376,717	217 (0.1%)
2021	Private	Sports Medicine	376,717	3,757 (1.0%)
2021	Public	Adolescent Medicine	412,690	10,776 (2.6%)
2021	Public	Allergy and Immunology	412,690	8,557 (2.1%)
2021	Public	Child Abuse Pediatrics	412,690	333 (0.1%)
2021	Public	Child Neurology	412,690	10,881 (2.6%)
2021	Public	Dermatology	412,690	7,699 (1.9%)
2021	Public	Developmental-Behavioral Pediatrics	412,690	13,540 (3.3%)
2021	Public	Genetics	412,690	2,710 (0.7%)
2021	Public	Hospice and Palliative Medicine	412,690	216 (0.1%)
2021	Public	Neonatal-Perinatal Medicine	412,690	3,274 (0.8%)
2021	Public	Obesity	412,690	<11 (<0.0%)
2021	Public	Pediatric Cardiology	412,690	14,229 (3.4%)
2021	Public	Pediatric Critical Care Medicine	412,690	2,141 (0.5%)
2021	Public	Pediatric Emergency Medicine	412,690	6,109 (1.5%)
2021	Public	Pediatric Endocrinology	412,690	10,052 (2.4%)
2021	Public	Pediatric Gastroenterology	412,690	15,506 (3.8%)

(continued)

Year	Insurer	Specialty	Patients in Denominator	n (%)
2021	Public	Pediatric Hematology-Oncology	412,690	5,614 (1.4%)
2021	Public	Pediatric Infectious Diseases	412,690	1,204 (0.3%)
2021	Public	Pediatric Nephrology	412,690	4,466 (1.1%)
2021	Public	Pediatric Pulmonology	412,690	9,817 (2.4%)
2021	Public	Pediatric Rheumatology	412,690	1,795 (0.4%)
2021	Public	Pediatric Transplant Hepatology	412,690	153 (0.0%)
2021	Public	Rehabilitation	412,690	5,379 (1.3%)
2021	Public	Sleep Medicine	412,690	600 (0.1%)
2021	Public	Sports Medicine	412,690	2,349 (0.6%)
2021	Unknown/Self-Pay	Adolescent Medicine	69,144	992 (1.4%)
2021	Unknown/Self-Pay	Allergy and Immunology	69,144	1,454 (2.1%)
2021	Unknown/Self-Pay	Child Abuse Pediatrics	69,144	98 (0.1%)
2021	Unknown/Self-Pay	Child Neurology	69,144	2,768 (4.0%)
2021	Unknown/Self-Pay	Dermatology	69,144	1,027 (1.5%)
2021	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	69,144	2,513 (3.6%)
2021	Unknown/Self-Pay	Genetics	69,144	844 (1.2%)
2021	Unknown/Self-Pay	Hospice and Palliative Medicine	69,144	21 (0.0%)
2021	Unknown/Self-Pay	Neonatal-Perinatal Medicine	69,144	2,483 (3.6%)
2021	Unknown/Self-Pay	Pediatric Cardiology	69,144	3,079 (4.5%)
2021	Unknown/Self-Pay	Pediatric Critical Care Medicine	69,144	83 (0.1%)
2021	Unknown/Self-Pay	Pediatric Emergency Medicine	69,144	1,464 (2.1%)
2021	Unknown/Self-Pay	Pediatric Endocrinology	69,144	2,435 (3.5%)
2021	Unknown/Self-Pay	Pediatric Gastroenterology	69,144	4,820 (7.0%)
2021	Unknown/Self-Pay	Pediatric Hematology-Oncology	69,144	1,475 (2.1%)
2021	Unknown/Self-Pay	Pediatric Infectious Diseases	69,144	337 (0.5%)
2021	Unknown/Self-Pay	Pediatric Nephrology	69,144	730 (1.1%)
2021	Unknown/Self-Pay	Pediatric Pulmonology	69,144	1,724 (2.5%)
2021	Unknown/Self-Pay	Pediatric Rheumatology	69,144	703 (1.0%)
2021	Unknown/Self-Pay	Pediatric Transplant Hepatology	69,144	308 (0.4%)
2021	Unknown/Self-Pay	Rehabilitation	69,144	1,607 (2.3%)
2021	Unknown/Self-Pay	Sleep Medicine	69,144	40 (0.1%)
2021	Unknown/Self-Pay	Sports Medicine	69,144	464 (0.7%)
Overall	Private	Adolescent Medicine	708,302	11,583 (1.6%)
Overall	Private	Allergy and Immunology	708,302	37,852 (5.3%)
Overall	Private	Child Abuse Pediatrics	708,302	96 (0.0%)
Overall	Private	Child Neurology	708,302	38,204 (5.4%)
Overall	Private	Dermatology	708,302	30,102 (4.2%)
Overall	Private	Developmental-Behavioral Pediatrics	708,302	31,910 (4.5%)
Overall	Private	Genetics	708,302	6,626 (0.9%)
Overall	Private	Hospice and Palliative Medicine	708,302	606 (0.1%)
Overall	Private	Medical Toxicology	708,302	<11 (<0.0%)
Overall	Private	Neonatal-Perinatal Medicine	708,302	4,634 (0.7%)
Overall	Private	Pediatric Cardiology	708,302	53,765 (7.6%)
Overall	Private	Pediatric Critical Care Medicine	708,302	2,319 (0.3%)
Overall	Private	Pediatric Emergency Medicine	708,302	19,782 (2.8%)
Overall	Private	Pediatric Endocrinology	708,302	29,330 (4.1%)
Overall	Private	Pediatric Gastroenterology	708,302	59,766 (8.4%)
Overall	Private	Pediatric Hematology-Oncology	708,302	14,139 (2.0%)

(continued)

Year	Insurer	Specialty	Patients in Denominator	n (%)
Overall	Private	Pediatric Infectious Diseases	708,302	6,492 (0.9%)
Overall	Private	Pediatric Nephrology	708,302	10,763 (1.5%)
Overall	Private	Pediatric Pulmonology	708,302	21,767 (3.1%)
Overall	Private	Pediatric Rheumatology	708,302	8,146 (1.2%)
Overall	Private	Pediatric Transplant Hepatology	708,302	244 (0.0%)
Overall	Private	Rehabilitation	708,302	26,612 (3.8%)
Overall	Private	Sleep Medicine	708,302	1,162 (0.2%)
Overall	Private	Sports Medicine	708,302	15,575 (2.2%)
Overall	Public	Adolescent Medicine	763,251	49,132 (6.4%)
Overall	Public	Allergy and Immunology	763,251	51,905 (6.8%)
Overall	Public	Child Abuse Pediatrics	763,251	4,051 (0.5%)
Overall	Public	Child Neurology	763,251	55,714 (7.3%)
Overall	Public	Dermatology	763,251	43,264 (5.7%)
Overall	Public	Developmental-Behavioral Pediatrics	763,251	63,954 (8.4%)
Overall	Public	Genetics	763,251	17,471 (2.3%)
Overall	Public	Hospice and Palliative Medicine	763,251	2,254 (0.3%)
Overall	Public	Medical Toxicology	763,251	33 (0.0%)
Overall	Public	Neonatal-Perinatal Medicine	763,251	28,587 (3.7%)
Overall	Public	Obesity	763,251	15 (0.0%)
Overall	Public	Pediatric Cardiology	763,251	77,619 (10.2%)
Overall	Public	Pediatric Critical Care Medicine	763,251	21,042 (2.8%)
Overall	Public	Pediatric Emergency Medicine	763,251	75,985 (10.0%)
Overall	Public	Pediatric Endocrinology	763,251	45,259 (5.9%)
Overall	Public	Pediatric Gastroenterology	763,251	71,989 (9.4%)
Overall	Public	Pediatric Hematology-Oncology	763,251	29,934 (3.9%)
Overall	Public	Pediatric Infectious Diseases	763,251	13,794 (1.8%)
Overall	Public	Pediatric Nephrology	763,251	15,440 (2.0%)
Overall	Public	Pediatric Pulmonology	763,251	44,864 (5.9%)
Overall	Public	Pediatric Rheumatology	763,251	11,521 (1.5%)
Overall	Public	Pediatric Transplant Hepatology	763,251	1,389 (0.2%)
Overall	Public	Rehabilitation	763,251	29,279 (3.8%)
Overall	Public	Sleep Medicine	763,251	3,416 (0.4%)
Overall	Public	Sports Medicine	763,251	13,754 (1.8%)
Overall	Unknown/Self-Pay	Adolescent Medicine	162,743	6,906 (4.2%)
Overall	Unknown/Self-Pay	Allergy and Immunology	162,743	8,733 (5.4%)
Overall	Unknown/Self-Pay	Child Abuse Pediatrics	162,743	993 (0.6%)
Overall	Unknown/Self-Pay	Child Neurology	162,743	9,850 (6.1%)
Overall	Unknown/Self-Pay	Dermatology	162,743	5,029 (3.1%)
Overall	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	162,743	8,619 (5.3%)
Overall	Unknown/Self-Pay	Genetics	162,743	3,982 (2.4%)
Overall	Unknown/Self-Pay	Hospice and Palliative Medicine	162,743	82 (0.1%)
Overall	Unknown/Self-Pay	Medical Toxicology	162,743	<11 (<0.0%)
Overall	Unknown/Self-Pay	Neonatal-Perinatal Medicine	162,743	9,162 (5.6%)
Overall	Unknown/Self-Pay	Obesity	162,743	<11 (<0.0%)
Overall	Unknown/Self-Pay	Pediatric Cardiology	162,743	13,144 (8.1%)
Overall	Unknown/Self-Pay	Pediatric Critical Care Medicine	162,743	1,427 (0.9%)
Overall	Unknown/Self-Pay	Pediatric Emergency Medicine	162,743	13,633 (8.4%)

(continued)

Year	Insurer	Specialty	Patients in Denominator	n (%)
Overall	Unknown/Self-Pay	Pediatric Endocrinology	162,743	9,232 (5.7%)
Overall	Unknown/Self-Pay	Pediatric Gastroenterology	162,743	23,566 (14.5%)
Overall	Unknown/Self-Pay	Pediatric Hematology-Oncology	162,743	5,355 (3.3%)
Overall	Unknown/Self-Pay	Pediatric Infectious Diseases	162,743	1,864 (1.1%)
Overall	Unknown/Self-Pay	Pediatric Nephrology	162,743	3,350 (2.1%)
Overall	Unknown/Self-Pay	Pediatric Pulmonology	162,743	8,019 (4.9%)
Overall	Unknown/Self-Pay	Pediatric Rheumatology	162,743	3,604 (2.2%)
Overall	Unknown/Self-Pay	Pediatric Transplant Hepatology	162,743	1,894 (1.2%)
Overall	Unknown/Self-Pay	Rehabilitation	162,743	6,522 (4.0%)
Overall	Unknown/Self-Pay	Sleep Medicine	162,743	1,093 (0.7%)
Overall	Unknown/Self-Pay	Sports Medicine	162,743	2,556 (1.6%)

Denominator is all patients with generalist outpatient visit in that year or prior and who were members of that insurer group

Numerator is all patients in denominator who also had at least one specialist outpatient visit in that year and in that subspecialty

Table 6: Proportion of children receiving care from a pediatric medical subspecialist in an inpatient or emergency visit, overall and stratified by calendar year and insurer

Year	Insurer	Specialty	Patients in Denominator	n (%)
2011	Private	Adolescent Medicine	201,345	121 (0.1%)
2011	Private	Allergy and Immunology	201,345	36 (0.0%)
2011	Private	Child Abuse Pediatrics	201,345	<11 (<0.0%)
2011	Private	Child Neurology	201,345	135 (0.1%)
2011	Private	Dermatology	201,345	27 (0.0%)
2011	Private	Developmental-Behavioral Pediatrics	201,345	17 (0.0%)
2011	Private	Genetics	201,345	18 (0.0%)
2011	Private	Hospice and Palliative Medicine	201,345	27 (0.0%)
2011	Private	Medical Toxicology	201,345	<11 (<0.0%)
2011	Private	Neonatal-Perinatal Medicine	201,345	212 (0.1%)
2011	Private	Pediatric Cardiology	201,345	180 (0.1%)
2011	Private	Pediatric Critical Care Medicine	201,345	238 (0.1%)
2011	Private	Pediatric Emergency Medicine	201,345	9,089 (4.5%)
2011	Private	Pediatric Endocrinology	201,345	88 (0.0%)
2011	Private	Pediatric Gastroenterology	201,345	250 (0.1%)
2011	Private	Pediatric Hematology-Oncology	201,345	231 (0.1%)
2011	Private	Pediatric Infectious Diseases	201,345	71 (0.0%)
2011	Private	Pediatric Nephrology	201,345	51 (0.0%)
2011	Private	Pediatric Pulmonology	201,345	147 (0.1%)
2011	Private	Pediatric Rheumatology	201,345	61 (0.0%)
2011	Private	Rehabilitation	201,345	<11 (<0.0%)
2011	Private	Sports Medicine	201,345	<11 (<0.0%)
2011	Public	Adolescent Medicine	253,880	456 (0.2%)
2011	Public	Allergy and Immunology	253,880	105 (0.0%)
2011	Public	Child Abuse Pediatrics	253,880	226 (0.1%)
2011	Public	Child Neurology	253,880	471 (0.2%)
2011	Public	Dermatology	253,880	269 (0.1%)
2011	Public	Developmental-Behavioral Pediatrics	253,880	238 (0.1%)
2011	Public	Genetics	253,880	745 (0.3%)
2011	Public	Hospice and Palliative Medicine	253,880	78 (0.0%)
2011	Public	Medical Toxicology	253,880	102 (0.0%)
2011	Public	Neonatal-Perinatal Medicine	253,880	1,627 (0.6%)
2011	Public	Pediatric Cardiology	253,880	562 (0.2%)
2011	Public	Pediatric Critical Care Medicine	253,880	1,904 (0.7%)
2011	Public	Pediatric Emergency Medicine	253,880	64,148 (25.3%)
2011	Public	Pediatric Endocrinology	253,880	380 (0.1%)
2011	Public	Pediatric Gastroenterology	253,880	1,315 (0.5%)
2011	Public	Pediatric Hematology-Oncology	253,880	983 (0.4%)
2011	Public	Pediatric Infectious Diseases	253,880	1,749 (0.7%)
2011	Public	Pediatric Nephrology	253,880	194 (0.1%)
2011	Public	Pediatric Pulmonology	253,880	1,377 (0.5%)
2011	Public	Pediatric Rheumatology	253,880	149 (0.1%)
2011	Public	Rehabilitation	253,880	55 (0.0%)
2011	Public	Sleep Medicine	253,880	32 (0.0%)

(continued)

Year	Insurer	Specialty	Patients in Denominator	n (%)
2011	Public	Sports Medicine	253,880	130 (0.1%)
2011	Unknown/Self-Pay	Adolescent Medicine	38,403	46 (0.1%)
2011	Unknown/Self-Pay	Allergy and Immunology	38,403	20 (0.1%)
2011	Unknown/Self-Pay	Child Abuse Pediatrics	38,403	<11 (<0.0%)
2011	Unknown/Self-Pay	Child Neurology	38,403	62 (0.2%)
2011	Unknown/Self-Pay	Dermatology	38,403	<11 (<0.0%)
2011	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	38,403	<11 (<0.0%)
2011	Unknown/Self-Pay	Genetics	38,403	<11 (<0.0%)
2011	Unknown/Self-Pay	Hospice and Palliative Medicine	38,403	<11 (<0.0%)
2011	Unknown/Self-Pay	Neonatal-Perinatal Medicine	38,403	295 (0.8%)
2011	Unknown/Self-Pay	Pediatric Cardiology	38,403	119 (0.3%)
2011	Unknown/Self-Pay	Pediatric Critical Care Medicine	38,403	501 (1.3%)
2011	Unknown/Self-Pay	Pediatric Emergency Medicine	38,403	9,923 (25.8%)
2011	Unknown/Self-Pay	Pediatric Endocrinology	38,403	34 (0.1%)
2011	Unknown/Self-Pay	Pediatric Gastroenterology	38,403	714 (1.9%)
2011	Unknown/Self-Pay	Pediatric Hematology-Oncology	38,403	69 (0.2%)
2011	Unknown/Self-Pay	Pediatric Infectious Diseases	38,403	36 (0.1%)
2011	Unknown/Self-Pay	Pediatric Nephrology	38,403	34 (0.1%)
2011	Unknown/Self-Pay	Pediatric Pulmonology	38,403	135 (0.4%)
2011	Unknown/Self-Pay	Pediatric Rheumatology	38,403	<11 (<0.0%)
2011	Unknown/Self-Pay	Rehabilitation	38,403	42 (0.1%)
2011	Unknown/Self-Pay	Sleep Medicine	38,403	20 (0.1%)
2011	Unknown/Self-Pay	Sports Medicine	38,403	193 (0.5%)
2012	Private	Adolescent Medicine	205,573	172 (0.1%)
2012	Private	Allergy and Immunology	205,573	41 (0.0%)
2012	Private	Child Abuse Pediatrics	205,573	<11 (<0.0%)
2012	Private	Child Neurology	205,573	175 (0.1%)
2012	Private	Dermatology	205,573	20 (0.0%)
2012	Private	Developmental-Behavioral Pediatrics	205,573	20 (0.0%)
2012	Private	Genetics	205,573	19 (0.0%)
2012	Private	Hospice and Palliative Medicine	205,573	35 (0.0%)
2012	Private	Medical Toxicology	205,573	<11 (<0.0%)
2012	Private	Neonatal-Perinatal Medicine	205,573	273 (0.1%)
2012	Private	Pediatric Cardiology	205,573	184 (0.1%)
2012	Private	Pediatric Critical Care Medicine	205,573	195 (0.1%)
2012	Private	Pediatric Emergency Medicine	205,573	9,287 (4.5%)
2012	Private	Pediatric Endocrinology	205,573	81 (0.0%)
2012	Private	Pediatric Gastroenterology	205,573	242 (0.1%)
2012	Private	Pediatric Hematology-Oncology	205,573	216 (0.1%)
2012	Private	Pediatric Infectious Diseases	205,573	69 (0.0%)
2012	Private	Pediatric Nephrology	205,573	52 (0.0%)
2012	Private	Pediatric Pulmonology	205,573	198 (0.1%)
2012	Private	Pediatric Rheumatology	205,573	38 (0.0%)
2012	Private	Rehabilitation	205,573	15 (0.0%)
2012	Private	Sleep Medicine	205,573	<11 (<0.0%)
2012	Private	Sports Medicine	205,573	11 (0.0%)
2012	Public	Adolescent Medicine	273,117	778 (0.3%)

(continued)

Year	Insurer	Specialty	Patients in Denominator	n (%)
2012	Public	Allergy and Immunology	273,117	527 (0.2%)
2012	Public	Child Abuse Pediatrics	273,117	78 (0.0%)
2012	Public	Child Neurology	273,117	456 (0.2%)
2012	Public	Dermatology	273,117	234 (0.1%)
2012	Public	Developmental-Behavioral Pediatrics	273,117	221 (0.1%)
2012	Public	Genetics	273,117	742 (0.3%)
2012	Public	Hospice and Palliative Medicine	273,117	138 (0.1%)
2012	Public	Medical Toxicology	273,117	64 (0.0%)
2012	Public	Neonatal-Perinatal Medicine	273,117	1,343 (0.5%)
2012	Public	Pediatric Cardiology	273,117	1,133 (0.4%)
2012	Public	Pediatric Critical Care Medicine	273,117	1,323 (0.5%)
2012	Public	Pediatric Emergency Medicine	273,117	68,977 (25.3%)
2012	Public	Pediatric Endocrinology	273,117	369 (0.1%)
2012	Public	Pediatric Gastroenterology	273,117	1,190 (0.4%)
2012	Public	Pediatric Hematology-Oncology	273,117	667 (0.2%)
2012	Public	Pediatric Infectious Diseases	273,117	1,496 (0.5%)
2012	Public	Pediatric Nephrology	273,117	227 (0.1%)
2012	Public	Pediatric Pulmonology	273,117	1,385 (0.5%)
2012	Public	Pediatric Rheumatology	273,117	121 (0.0%)
2012	Public	Rehabilitation	273,117	76 (0.0%)
2012	Public	Sleep Medicine	273,117	13 (0.0%)
2012	Public	Sports Medicine	273,117	288 (0.1%)
2012	Unknown/Self-Pay	Adolescent Medicine	34,444	29 (0.1%)
2012	Unknown/Self-Pay	Allergy and Immunology	34,444	<11 (<0.0%)
2012	Unknown/Self-Pay	Child Abuse Pediatrics	34,444	<11 (<0.0%)
2012	Unknown/Self-Pay	Child Neurology	34,444	80 (0.2%)
2012	Unknown/Self-Pay	Dermatology	34,444	<11 (<0.0%)
2012	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	34,444	12 (0.0%)
2012	Unknown/Self-Pay	Genetics	34,444	<11 (<0.0%)
2012	Unknown/Self-Pay	Hospice and Palliative Medicine	34,444	<11 (<0.0%)
2012	Unknown/Self-Pay	Medical Toxicology	34,444	<11 (<0.0%)
2012	Unknown/Self-Pay	Neonatal-Perinatal Medicine	34,444	262 (0.8%)
2012	Unknown/Self-Pay	Pediatric Cardiology	34,444	120 (0.3%)
2012	Unknown/Self-Pay	Pediatric Critical Care Medicine	34,444	505 (1.5%)
2012	Unknown/Self-Pay	Pediatric Emergency Medicine	34,444	9,320 (27.1%)
2012	Unknown/Self-Pay	Pediatric Endocrinology	34,444	28 (0.1%)
2012	Unknown/Self-Pay	Pediatric Gastroenterology	34,444	567 (1.6%)
2012	Unknown/Self-Pay	Pediatric Hematology-Oncology	34,444	49 (0.1%)
2012	Unknown/Self-Pay	Pediatric Infectious Diseases	34,444	58 (0.2%)
2012	Unknown/Self-Pay	Pediatric Nephrology	34,444	68 (0.2%)
2012	Unknown/Self-Pay	Pediatric Pulmonology	34,444	128 (0.4%)
2012	Unknown/Self-Pay	Pediatric Rheumatology	34,444	<11 (<0.0%)
2012	Unknown/Self-Pay	Rehabilitation	34,444	62 (0.2%)
2012	Unknown/Self-Pay	Sleep Medicine	34,444	<11 (<0.0%)
2012	Unknown/Self-Pay	Sports Medicine	34,444	211 (0.6%)
2013	Private	Adolescent Medicine	213,980	178 (0.1%)
2013	Private	Allergy and Immunology	213,980	31 (0.0%)
2013	Private	Child Abuse Pediatrics	213,980	<11 (<0.0%)

(continued)

Year	Insurer	Specialty	Patients in Denominator	n (%)
2013	Private	Child Neurology	213,980	181 (0.1%)
2013	Private	Dermatology	213,980	16 (0.0%)
2013	Private	Developmental-Behavioral Pediatrics	213,980	17 (0.0%)
2013	Private	Genetics	213,980	<11 (<0.0%)
2013	Private	Hospice and Palliative Medicine	213,980	26 (0.0%)
2013	Private	Medical Toxicology	213,980	<11 (<0.0%)
2013	Private	Neonatal-Perinatal Medicine	213,980	237 (0.1%)
2013	Private	Pediatric Cardiology	213,980	201 (0.1%)
2013	Private	Pediatric Critical Care Medicine	213,980	195 (0.1%)
2013	Private	Pediatric Emergency Medicine	213,980	9,629 (4.5%)
2013	Private	Pediatric Endocrinology	213,980	108 (0.1%)
2013	Private	Pediatric Gastroenterology	213,980	213 (0.1%)
2013	Private	Pediatric Hematology-Oncology	213,980	230 (0.1%)
2013	Private	Pediatric Infectious Diseases	213,980	74 (0.0%)
2013	Private	Pediatric Nephrology	213,980	46 (0.0%)
2013	Private	Pediatric Pulmonology	213,980	209 (0.1%)
2013	Private	Pediatric Rheumatology	213,980	46 (0.0%)
2013	Private	Rehabilitation	213,980	38 (0.0%)
2013	Private	Sports Medicine	213,980	13 (0.0%)
2013	Public	Adolescent Medicine	293,450	425 (0.1%)
2013	Public	Allergy and Immunology	293,450	874 (0.3%)
2013	Public	Child Abuse Pediatrics	293,450	148 (0.1%)
2013	Public	Child Neurology	293,450	508 (0.2%)
2013	Public	Dermatology	293,450	160 (0.1%)
2013	Public	Developmental-Behavioral Pediatrics	293,450	233 (0.1%)
2013	Public	Genetics	293,450	<11 (<0.0%)
2013	Public	Hospice and Palliative Medicine	293,450	86 (0.0%)
2013	Public	Medical Toxicology	293,450	108 (0.0%)
2013	Public	Neonatal-Perinatal Medicine	293,450	1,142 (0.4%)
2013	Public	Pediatric Cardiology	293,450	990 (0.3%)
2013	Public	Pediatric Critical Care Medicine	293,450	1,667 (0.6%)
2013	Public	Pediatric Emergency Medicine	293,450	70,230 (23.9%)
2013	Public	Pediatric Endocrinology	293,450	439 (0.1%)
2013	Public	Pediatric Gastroenterology	293,450	1,051 (0.4%)
2013	Public	Pediatric Hematology-Oncology	293,450	641 (0.2%)
2013	Public	Pediatric Infectious Diseases	293,450	1,481 (0.5%)
2013	Public	Pediatric Nephrology	293,450	242 (0.1%)
2013	Public	Pediatric Pulmonology	293,450	1,577 (0.5%)
2013	Public	Pediatric Rheumatology	293,450	100 (0.0%)
2013	Public	Pediatric Transplant Hepatology	293,450	<11 (<0.0%)
2013	Public	Rehabilitation	293,450	111 (0.0%)
2013	Public	Sleep Medicine	293,450	<11 (<0.0%)
2013	Public	Sports Medicine	293,450	253 (0.1%)
2013	Unknown/Self-Pay	Adolescent Medicine	33,289	24 (0.1%)
2013	Unknown/Self-Pay	Allergy and Immunology	33,289	<11 (<0.0%)
2013	Unknown/Self-Pay	Child Abuse Pediatrics	33,289	<11 (<0.0%)
2013	Unknown/Self-Pay	Child Neurology	33,289	69 (0.2%)

(continued)

Year	Insurer	Specialty	Patients in Denominator	n (%)
2013	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	33,289	16 (0.0%)
2013	Unknown/Self-Pay	Genetics	33,289	<11 (<0.0%)
2013	Unknown/Self-Pay	Hospice and Palliative Medicine	33,289	<11 (<0.0%)
2013	Unknown/Self-Pay	Medical Toxicology	33,289	<11 (<0.0%)
2013	Unknown/Self-Pay	Neonatal-Perinatal Medicine	33,289	169 (0.5%)
2013	Unknown/Self-Pay	Pediatric Cardiology	33,289	83 (0.2%)
2013	Unknown/Self-Pay	Pediatric Critical Care Medicine	33,289	973 (2.9%)
2013	Unknown/Self-Pay	Pediatric Emergency Medicine	33,289	8,590 (25.8%)
2013	Unknown/Self-Pay	Pediatric Endocrinology	33,289	48 (0.1%)
2013	Unknown/Self-Pay	Pediatric Gastroenterology	33,289	431 (1.3%)
2013	Unknown/Self-Pay	Pediatric Hematology-Oncology	33,289	64 (0.2%)
2013	Unknown/Self-Pay	Pediatric Infectious Diseases	33,289	358 (1.1%)
2013	Unknown/Self-Pay	Pediatric Nephrology	33,289	67 (0.2%)
2013	Unknown/Self-Pay	Pediatric Pulmonology	33,289	145 (0.4%)
2013	Unknown/Self-Pay	Pediatric Rheumatology	33,289	<11 (<0.0%)
2013	Unknown/Self-Pay	Rehabilitation	33,289	38 (0.1%)
2013	Unknown/Self-Pay	Sleep Medicine	33,289	<11 (<0.0%)
2013	Unknown/Self-Pay	Sports Medicine	33,289	151 (0.5%)
2014	Private	Adolescent Medicine	249,574	178 (0.1%)
2014	Private	Allergy and Immunology	249,574	36 (0.0%)
2014	Private	Child Abuse Pediatrics	249,574	<11 (<0.0%)
2014	Private	Child Neurology	249,574	243 (0.1%)
2014	Private	Dermatology	249,574	<11 (<0.0%)
2014	Private	Developmental-Behavioral Pediatrics	249,574	15 (0.0%)
2014	Private	Hospice and Palliative Medicine	249,574	34 (0.0%)
2014	Private	Medical Toxicology	249,574	<11 (<0.0%)
2014	Private	Neonatal-Perinatal Medicine	249,574	241 (0.1%)
2014	Private	Pediatric Cardiology	249,574	304 (0.1%)
2014	Private	Pediatric Critical Care Medicine	249,574	271 (0.1%)
2014	Private	Pediatric Emergency Medicine	249,574	12,045 (4.8%)
2014	Private	Pediatric Endocrinology	249,574	104 (0.0%)
2014	Private	Pediatric Gastroenterology	249,574	246 (0.1%)
2014	Private	Pediatric Hematology-Oncology	249,574	327 (0.1%)
2014	Private	Pediatric Infectious Diseases	249,574	96 (0.0%)
2014	Private	Pediatric Nephrology	249,574	68 (0.0%)
2014	Private	Pediatric Pulmonology	249,574	264 (0.1%)
2014	Private	Pediatric Rheumatology	249,574	44 (0.0%)
2014	Private	Rehabilitation	249,574	61 (0.0%)
2014	Private	Sleep Medicine	249,574	<11 (<0.0%)
2014	Private	Sports Medicine	249,574	12 (0.0%)
2014	Public	Adolescent Medicine	321,943	423 (0.1%)
2014	Public	Allergy and Immunology	321,943	344 (0.1%)
2014	Public	Child Abuse Pediatrics	321,943	89 (0.0%)
2014	Public	Child Neurology	321,943	584 (0.2%)
2014	Public	Dermatology	321,943	114 (0.0%)
2014	Public	Developmental-Behavioral Pediatrics	321,943	258 (0.1%)
2014	Public	Genetics	321,943	<11 (<0.0%)
2014	Public	Hospice and Palliative Medicine	321,943	104 (0.0%)

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Year	Insurer	Specialty	Patients in Denominator	n (%)
2014	Public	Medical Toxicology	321,943	216 (0.1%)
2014	Public	Neonatal-Perinatal Medicine	321,943	1,308 (0.4%)
2014	Public	Pediatric Cardiology	321,943	835 (0.3%)
2014	Public	Pediatric Critical Care Medicine	321,943	2,318 (0.7%)
2014	Public	Pediatric Emergency Medicine	321,943	75,154 (23.3%)
2014	Public	Pediatric Endocrinology	321,943	394 (0.1%)
2014	Public	Pediatric Gastroenterology	321,943	1,255 (0.4%)
2014	Public	Pediatric Hematology-Oncology	321,943	1,006 (0.3%)
2014	Public	Pediatric Infectious Diseases	321,943	1,708 (0.5%)
2014	Public	Pediatric Nephrology	321,943	272 (0.1%)
2014	Public	Pediatric Pulmonology	321,943	1,799 (0.6%)
2014	Public	Pediatric Rheumatology	321,943	184 (0.1%)
2014	Public	Pediatric Transplant Hepatology	321,943	<11 (<0.0%)
2014	Public	Rehabilitation	321,943	124 (0.0%)
2014	Public	Sleep Medicine	321,943	22 (0.0%)
2014	Public	Sports Medicine	321,943	300 (0.1%)
2014	Unknown/Self-Pay	Adolescent Medicine	34,844	27 (0.1%)
2014	Unknown/Self-Pay	Allergy and Immunology	34,844	<11 (<0.0%)
2014	Unknown/Self-Pay	Child Neurology	34,844	72 (0.2%)
2014	Unknown/Self-Pay	Dermatology	34,844	<11 (<0.0%)
2014	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	34,844	30 (0.1%)
2014	Unknown/Self-Pay	Hospice and Palliative Medicine	34,844	<11 (<0.0%)
2014	Unknown/Self-Pay	Neonatal-Perinatal Medicine	34,844	157 (0.5%)
2014	Unknown/Self-Pay	Pediatric Cardiology	34,844	110 (0.3%)
2014	Unknown/Self-Pay	Pediatric Critical Care Medicine	34,844	1,754 (5.0%)
2014	Unknown/Self-Pay	Pediatric Emergency Medicine	34,844	8,627 (24.8%)
2014	Unknown/Self-Pay	Pediatric Endocrinology	34,844	43 (0.1%)
2014	Unknown/Self-Pay	Pediatric Gastroenterology	34,844	613 (1.8%)
2014	Unknown/Self-Pay	Pediatric Hematology-Oncology	34,844	107 (0.3%)
2014	Unknown/Self-Pay	Pediatric Infectious Diseases	34,844	338 (1.0%)
2014	Unknown/Self-Pay	Pediatric Nephrology	34,844	70 (0.2%)
2014	Unknown/Self-Pay	Pediatric Pulmonology	34,844	160 (0.5%)
2014	Unknown/Self-Pay	Pediatric Rheumatology	34,844	<11 (<0.0%)
2014	Unknown/Self-Pay	Rehabilitation	34,844	54 (0.2%)
2014	Unknown/Self-Pay	Sleep Medicine	34,844	<11 (<0.0%)
2014	Unknown/Self-Pay	Sports Medicine	34,844	178 (0.5%)
2015	Private	Adolescent Medicine	282,463	215 (0.1%)
2015	Private	Allergy and Immunology	282,463	21 (0.0%)
2015	Private	Child Neurology	282,463	263 (0.1%)
2015	Private	Dermatology	282,463	<11 (<0.0%)
2015	Private	Developmental-Behavioral Pediatrics	282,463	27 (0.0%)
2015	Private	Hospice and Palliative Medicine	282,463	31 (0.0%)
2015	Private	Medical Toxicology	282,463	<11 (<0.0%)
2015	Private	Neonatal-Perinatal Medicine	282,463	234 (0.1%)
2015	Private	Pediatric Cardiology	282,463	226 (0.1%)
2015	Private	Pediatric Critical Care Medicine	282,463	293 (0.1%)
2015	Private	Pediatric Emergency Medicine	282,463	14,987 (5.3%)

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Year	Insurer	Specialty	Patients in Denominator	n (%)
2015	Private	Pediatric Endocrinology	282,463	118 (0.0%)
2015	Private	Pediatric Gastroenterology	282,463	201 (0.1%)
2015	Private	Pediatric Hematology-Oncology	282,463	350 (0.1%)
2015	Private	Pediatric Infectious Diseases	282,463	81 (0.0%)
2015	Private	Pediatric Nephrology	282,463	28 (0.0%)
2015	Private	Pediatric Pulmonology	282,463	177 (0.1%)
2015	Private	Pediatric Rheumatology	282,463	26 (0.0%)
2015	Private	Rehabilitation	282,463	56 (0.0%)
2015	Private	Sleep Medicine	282,463	<11 (<0.0%)
2015	Private	Sports Medicine	282,463	25 (0.0%)
2015	Public	Adolescent Medicine	345,177	392 (0.1%)
2015	Public	Allergy and Immunology	345,177	86 (0.0%)
2015	Public	Child Abuse Pediatrics	345,177	42 (0.0%)
2015	Public	Child Neurology	345,177	640 (0.2%)
2015	Public	Dermatology	345,177	70 (0.0%)
2015	Public	Developmental-Behavioral Pediatrics	345,177	237 (0.1%)
2015	Public	Genetics	345,177	<11 (<0.0%)
2015	Public	Hospice and Palliative Medicine	345,177	75 (0.0%)
2015	Public	Medical Toxicology	345,177	157 (0.0%)
2015	Public	Neonatal-Perinatal Medicine	345,177	1,367 (0.4%)
2015	Public	Pediatric Cardiology	345,177	737 (0.2%)
2015	Public	Pediatric Critical Care Medicine	345,177	2,439 (0.7%)
2015	Public	Pediatric Emergency Medicine	345,177	78,387 (22.7%)
2015	Public	Pediatric Endocrinology	345,177	385 (0.1%)
2015	Public	Pediatric Gastroenterology	345,177	1,196 (0.3%)
2015	Public	Pediatric Hematology-Oncology	345,177	2,078 (0.6%)
2015	Public	Pediatric Infectious Diseases	345,177	1,372 (0.4%)
2015	Public	Pediatric Nephrology	345,177	190 (0.1%)
2015	Public	Pediatric Pulmonology	345,177	1,569 (0.5%)
2015	Public	Pediatric Rheumatology	345,177	401 (0.1%)
2015	Public	Pediatric Transplant Hepatology	345,177	<11 (<0.0%)
2015	Public	Rehabilitation	345,177	173 (0.1%)
2015	Public	Sleep Medicine	345,177	33 (0.0%)
2015	Public	Sports Medicine	345,177	402 (0.1%)
2015	Unknown/Self-Pay	Adolescent Medicine	39,141	35 (0.1%)
2015	Unknown/Self-Pay	Allergy and Immunology	39,141	<11 (<0.0%)
2015	Unknown/Self-Pay	Child Neurology	39,141	113 (0.3%)
2015	Unknown/Self-Pay	Dermatology	39,141	<11 (<0.0%)
2015	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	39,141	63 (0.2%)
2015	Unknown/Self-Pay	Genetics	39,141	<11 (<0.0%)
2015	Unknown/Self-Pay	Hospice and Palliative Medicine	39,141	<11 (<0.0%)
2015	Unknown/Self-Pay	Medical Toxicology	39,141	<11 (<0.0%)
2015	Unknown/Self-Pay	Neonatal-Perinatal Medicine	39,141	249 (0.6%)
2015	Unknown/Self-Pay	Pediatric Cardiology	39,141	154 (0.4%)
2015	Unknown/Self-Pay	Pediatric Critical Care Medicine	39,141	1,777 (4.5%)
2015	Unknown/Self-Pay	Pediatric Emergency Medicine	39,141	9,326 (23.8%)
2015	Unknown/Self-Pay	Pediatric Endocrinology	39,141	152 (0.4%)
2015	Unknown/Self-Pay	Pediatric Gastroenterology	39,141	773 (2.0%)

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Year	Insurer	Specialty	Patients in Denominator	n (%)
2015	Unknown/Self-Pay	Pediatric Hematology-Oncology	39,141	242 (0.6%)
2015	Unknown/Self-Pay	Pediatric Infectious Diseases	39,141	296 (0.8%)
2015	Unknown/Self-Pay	Pediatric Nephrology	39,141	102 (0.3%)
2015	Unknown/Self-Pay	Pediatric Pulmonology	39,141	248 (0.6%)
2015	Unknown/Self-Pay	Pediatric Rheumatology	39,141	19 (0.0%)
2015	Unknown/Self-Pay	Rehabilitation	39,141	117 (0.3%)
2015	Unknown/Self-Pay	Sleep Medicine	39,141	11 (0.0%)
2015	Unknown/Self-Pay	Sports Medicine	39,141	285 (0.7%)
2016	Private	Adolescent Medicine	313,481	168 (0.1%)
2016	Private	Allergy and Immunology	313,481	30 (0.0%)
2016	Private	Child Neurology	313,481	261 (0.1%)
2016	Private	Developmental-Behavioral Pediatrics	313,481	23 (0.0%)
2016	Private	Genetics	313,481	<11 (<0.0%)
2016	Private	Hospice and Palliative Medicine	313,481	<11 (<0.0%)
2016	Private	Medical Toxicology	313,481	11 (0.0%)
2016	Private	Neonatal-Perinatal Medicine	313,481	229 (0.1%)
2016	Private	Pediatric Cardiology	313,481	212 (0.1%)
2016	Private	Pediatric Critical Care Medicine	313,481	282 (0.1%)
2016	Private	Pediatric Emergency Medicine	313,481	17,525 (5.6%)
2016	Private	Pediatric Endocrinology	313,481	134 (0.0%)
2016	Private	Pediatric Gastroenterology	313,481	283 (0.1%)
2016	Private	Pediatric Hematology-Oncology	313,481	309 (0.1%)
2016	Private	Pediatric Infectious Diseases	313,481	58 (0.0%)
2016	Private	Pediatric Nephrology	313,481	38 (0.0%)
2016	Private	Pediatric Pulmonology	313,481	149 (0.0%)
2016	Private	Pediatric Rheumatology	313,481	19 (0.0%)
2016	Private	Rehabilitation	313,481	58 (0.0%)
2016	Private	Sleep Medicine	313,481	12 (0.0%)
2016	Private	Sports Medicine	313,481	17 (0.0%)
2016	Public	Adolescent Medicine	357,692	395 (0.1%)
2016	Public	Allergy and Immunology	357,692	95 (0.0%)
2016	Public	Child Abuse Pediatrics	357,692	14 (0.0%)
2016	Public	Child Neurology	357,692	672 (0.2%)
2016	Public	Dermatology	357,692	<11 (<0.0%)
2016	Public	Developmental-Behavioral Pediatrics	357,692	282 (0.1%)
2016	Public	Genetics	357,692	<11 (<0.0%)
2016	Public	Hospice and Palliative Medicine	357,692	88 (0.0%)
2016	Public	Medical Toxicology	357,692	172 (0.0%)
2016	Public	Neonatal-Perinatal Medicine	357,692	1,331 (0.4%)
2016	Public	Pediatric Cardiology	357,692	712 (0.2%)
2016	Public	Pediatric Critical Care Medicine	357,692	2,959 (0.8%)
2016	Public	Pediatric Emergency Medicine	357,692	82,934 (23.2%)
2016	Public	Pediatric Endocrinology	357,692	415 (0.1%)
2016	Public	Pediatric Gastroenterology	357,692	1,156 (0.3%)
2016	Public	Pediatric Hematology-Oncology	357,692	2,264 (0.6%)
2016	Public	Pediatric Infectious Diseases	357,692	929 (0.3%)
2016	Public	Pediatric Nephrology	357,692	206 (0.1%)

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Year	Insurer	Specialty	Patients in Denominator	n (%)
2016	Public	Pediatric Pulmonology	357,692	1,441 (0.4%)
2016	Public	Pediatric Rheumatology	357,692	372 (0.1%)
2016	Public	Pediatric Transplant Hepatology	357,692	<11 (<0.0%)
2016	Public	Rehabilitation	357,692	153 (0.0%)
2016	Public	Sleep Medicine	357,692	419 (0.1%)
2016	Public	Sports Medicine	357,692	536 (0.1%)
2016	Unknown/Self-Pay	Adolescent Medicine	41,405	30 (0.1%)
2016	Unknown/Self-Pay	Allergy and Immunology	41,405	<11 (<0.0%)
2016	Unknown/Self-Pay	Child Neurology	41,405	135 (0.3%)
2016	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	41,405	52 (0.1%)
2016	Unknown/Self-Pay	Genetics	41,405	<11 (<0.0%)
2016	Unknown/Self-Pay	Hospice and Palliative Medicine	41,405	<11 (<0.0%)
2016	Unknown/Self-Pay	Medical Toxicology	41,405	<11 (<0.0%)
2016	Unknown/Self-Pay	Neonatal-Perinatal Medicine	41,405	220 (0.5%)
2016	Unknown/Self-Pay	Pediatric Cardiology	41,405	159 (0.4%)
2016	Unknown/Self-Pay	Pediatric Critical Care Medicine	41,405	2,229 (5.4%)
2016	Unknown/Self-Pay	Pediatric Emergency Medicine	41,405	9,944 (24.0%)
2016	Unknown/Self-Pay	Pediatric Endocrinology	41,405	206 (0.5%)
2016	Unknown/Self-Pay	Pediatric Gastroenterology	41,405	617 (1.5%)
2016	Unknown/Self-Pay	Pediatric Hematology-Oncology	41,405	377 (0.9%)
2016	Unknown/Self-Pay	Pediatric Infectious Diseases	41,405	79 (0.2%)
2016	Unknown/Self-Pay	Pediatric Nephrology	41,405	105 (0.3%)
2016	Unknown/Self-Pay	Pediatric Pulmonology	41,405	181 (0.4%)
2016	Unknown/Self-Pay	Pediatric Rheumatology	41,405	21 (0.1%)
2016	Unknown/Self-Pay	Rehabilitation	41,405	59 (0.1%)
2016	Unknown/Self-Pay	Sleep Medicine	41,405	46 (0.1%)
2016	Unknown/Self-Pay	Sports Medicine	41,405	237 (0.6%)
2017	Private	Adolescent Medicine	329,194	213 (0.1%)
2017	Private	Allergy and Immunology	329,194	18 (0.0%)
2017	Private	Child Neurology	329,194	224 (0.1%)
2017	Private	Dermatology	329,194	<11 (<0.0%)
2017	Private	Developmental-Behavioral Pediatrics	329,194	22 (0.0%)
2017	Private	Hospice and Palliative Medicine	329,194	14 (0.0%)
2017	Private	Medical Toxicology	329,194	<11 (<0.0%)
2017	Private	Neonatal-Perinatal Medicine	329,194	257 (0.1%)
2017	Private	Pediatric Cardiology	329,194	199 (0.1%)
2017	Private	Pediatric Critical Care Medicine	329,194	229 (0.1%)
2017	Private	Pediatric Emergency Medicine	329,194	20,904 (6.4%)
2017	Private	Pediatric Endocrinology	329,194	153 (0.0%)
2017	Private	Pediatric Gastroenterology	329,194	249 (0.1%)
2017	Private	Pediatric Hematology-Oncology	329,194	346 (0.1%)
2017	Private	Pediatric Infectious Diseases	329,194	78 (0.0%)
2017	Private	Pediatric Nephrology	329,194	35 (0.0%)
2017	Private	Pediatric Pulmonology	329,194	183 (0.1%)
2017	Private	Pediatric Rheumatology	329,194	75 (0.0%)
2017	Private	Rehabilitation	329,194	43 (0.0%)
2017	Private	Sleep Medicine	329,194	14 (0.0%)
2017	Private	Sports Medicine	329,194	13 (0.0%)

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Year	Insurer	Specialty	Patients in Denominator	n (%)
2017	Public	Adolescent Medicine	370,761	560 (0.2%)
2017	Public	Allergy and Immunology	370,761	92 (0.0%)
2017	Public	Child Abuse Pediatrics	370,761	20 (0.0%)
2017	Public	Child Neurology	370,761	639 (0.2%)
2017	Public	Dermatology	370,761	<11 (<0.0%)
2017	Public	Developmental-Behavioral Pediatrics	370,761	244 (0.1%)
2017	Public	Genetics	370,761	<11 (<0.0%)
2017	Public	Hospice and Palliative Medicine	370,761	87 (0.0%)
2017	Public	Medical Toxicology	370,761	210 (0.1%)
2017	Public	Neonatal-Perinatal Medicine	370,761	1,352 (0.4%)
2017	Public	Pediatric Cardiology	370,761	1,044 (0.3%)
2017	Public	Pediatric Critical Care Medicine	370,761	3,005 (0.8%)
2017	Public	Pediatric Emergency Medicine	370,761	85,386 (23.0%)
2017	Public	Pediatric Endocrinology	370,761	590 (0.2%)
2017	Public	Pediatric Gastroenterology	370,761	1,002 (0.3%)
2017	Public	Pediatric Hematology-Oncology	370,761	2,196 (0.6%)
2017	Public	Pediatric Infectious Diseases	370,761	1,057 (0.3%)
2017	Public	Pediatric Nephrology	370,761	233 (0.1%)
2017	Public	Pediatric Pulmonology	370,761	1,468 (0.4%)
2017	Public	Pediatric Rheumatology	370,761	539 (0.1%)
2017	Public	Pediatric Transplant Hepatology	370,761	<11 (<0.0%)
2017	Public	Rehabilitation	370,761	124 (0.0%)
2017	Public	Sleep Medicine	370,761	351 (0.1%)
2017	Public	Sports Medicine	370,761	341 (0.1%)
2017	Unknown/Self-Pay	Adolescent Medicine	40,104	30 (0.1%)
2017	Unknown/Self-Pay	Allergy and Immunology	40,104	<11 (<0.0%)
2017	Unknown/Self-Pay	Child Abuse Pediatrics	40,104	<11 (<0.0%)
2017	Unknown/Self-Pay	Child Neurology	40,104	145 (0.4%)
2017	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	40,104	16 (0.0%)
2017	Unknown/Self-Pay	Genetics	40,104	<11 (<0.0%)
2017	Unknown/Self-Pay	Hospice and Palliative Medicine	40,104	<11 (<0.0%)
2017	Unknown/Self-Pay	Medical Toxicology	40,104	<11 (<0.0%)
2017	Unknown/Self-Pay	Neonatal-Perinatal Medicine	40,104	112 (0.3%)
2017	Unknown/Self-Pay	Pediatric Cardiology	40,104	183 (0.5%)
2017	Unknown/Self-Pay	Pediatric Critical Care Medicine	40,104	2,017 (5.0%)
2017	Unknown/Self-Pay	Pediatric Emergency Medicine	40,104	10,004 (24.9%)
2017	Unknown/Self-Pay	Pediatric Endocrinology	40,104	158 (0.4%)
2017	Unknown/Self-Pay	Pediatric Gastroenterology	40,104	622 (1.6%)
2017	Unknown/Self-Pay	Pediatric Hematology-Oncology	40,104	280 (0.7%)
2017	Unknown/Self-Pay	Pediatric Infectious Diseases	40,104	21 (0.1%)
2017	Unknown/Self-Pay	Pediatric Nephrology	40,104	75 (0.2%)
2017	Unknown/Self-Pay	Pediatric Pulmonology	40,104	122 (0.3%)
2017	Unknown/Self-Pay	Pediatric Rheumatology	40,104	18 (0.0%)
2017	Unknown/Self-Pay	Rehabilitation	40,104	25 (0.1%)
2017	Unknown/Self-Pay	Sleep Medicine	40,104	19 (0.0%)
2017	Unknown/Self-Pay	Sports Medicine	40,104	162 (0.4%)
2018	Private	Adolescent Medicine	345,704	460 (0.1%)

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Year	Insurer	Specialty	Patients in Denominator	n (%)
2018	Private	Allergy and Immunology	345,704	24 (0.0%)
2018	Private	Child Neurology	345,704	340 (0.1%)
2018	Private	Dermatology	345,704	<11 (<0.0%)
2018	Private	Developmental-Behavioral Pediatrics	345,704	147 (0.0%)
2018	Private	Genetics	345,704	<11 (<0.0%)
2018	Private	Hospice and Palliative Medicine	345,704	22 (0.0%)
2018	Private	Medical Toxicology	345,704	12 (0.0%)
2018	Private	Neonatal-Perinatal Medicine	345,704	542 (0.2%)
2018	Private	Pediatric Cardiology	345,704	410 (0.1%)
2018	Private	Pediatric Critical Care Medicine	345,704	274 (0.1%)
2018	Private	Pediatric Emergency Medicine	345,704	23,357 (6.8%)
2018	Private	Pediatric Endocrinology	345,704	205 (0.1%)
2018	Private	Pediatric Gastroenterology	345,704	319 (0.1%)
2018	Private	Pediatric Hematology-Oncology	345,704	383 (0.1%)
2018	Private	Pediatric Infectious Diseases	345,704	92 (0.0%)
2018	Private	Pediatric Nephrology	345,704	49 (0.0%)
2018	Private	Pediatric Pulmonology	345,704	186 (0.1%)
2018	Private	Pediatric Rheumatology	345,704	42 (0.0%)
2018	Private	Pediatric Transplant Hepatology	345,704	<11 (<0.0%)
2018	Private	Rehabilitation	345,704	53 (0.0%)
2018	Private	Sleep Medicine	345,704	12 (0.0%)
2018	Private	Sports Medicine	345,704	<11 (<0.0%)
2018	Public	Adolescent Medicine	386,302	874 (0.2%)
2018	Public	Allergy and Immunology	386,302	115 (0.0%)
2018	Public	Child Abuse Pediatrics	386,302	14 (0.0%)
2018	Public	Child Neurology	386,302	690 (0.2%)
2018	Public	Dermatology	386,302	<11 (<0.0%)
2018	Public	Developmental-Behavioral Pediatrics	386,302	343 (0.1%)
2018	Public	Genetics	386,302	38 (0.0%)
2018	Public	Hospice and Palliative Medicine	386,302	89 (0.0%)
2018	Public	Medical Toxicology	386,302	265 (0.1%)
2018	Public	Neonatal-Perinatal Medicine	386,302	1,892 (0.5%)
2018	Public	Pediatric Cardiology	386,302	1,377 (0.4%)
2018	Public	Pediatric Critical Care Medicine	386,302	2,695 (0.7%)
2018	Public	Pediatric Emergency Medicine	386,302	85,943 (22.2%)
2018	Public	Pediatric Endocrinology	386,302	601 (0.2%)
2018	Public	Pediatric Gastroenterology	386,302	1,264 (0.3%)
2018	Public	Pediatric Hematology-Oncology	386,302	2,040 (0.5%)
2018	Public	Pediatric Infectious Diseases	386,302	1,978 (0.5%)
2018	Public	Pediatric Nephrology	386,302	267 (0.1%)
2018	Public	Pediatric Pulmonology	386,302	1,501 (0.4%)
2018	Public	Pediatric Rheumatology	386,302	280 (0.1%)
2018	Public	Rehabilitation	386,302	144 (0.0%)
2018	Public	Sleep Medicine	386,302	368 (0.1%)
2018	Public	Sports Medicine	386,302	180 (0.0%)
2018	Unknown/Self-Pay	Adolescent Medicine	40,585	60 (0.1%)
2018	Unknown/Self-Pay	Allergy and Immunology	40,585	<11 (<0.0%)
2018	Unknown/Self-Pay	Child Neurology	40,585	178 (0.4%)

(continued)

Year	Insurer	Specialty	Patients in Denominator	n (%)
2018	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	40,585	11 (0.0%)
2018	Unknown/Self-Pay	Genetics	40,585	<11 (<0.0%)
2018	Unknown/Self-Pay	Hospice and Palliative Medicine	40,585	<11 (<0.0%)
2018	Unknown/Self-Pay	Medical Toxicology	40,585	<11 (<0.0%)
2018	Unknown/Self-Pay	Neonatal-Perinatal Medicine	40,585	219 (0.5%)
2018	Unknown/Self-Pay	Pediatric Cardiology	40,585	153 (0.4%)
2018	Unknown/Self-Pay	Pediatric Critical Care Medicine	40,585	1,591 (3.9%)
2018	Unknown/Self-Pay	Pediatric Emergency Medicine	40,585	10,875 (26.8%)
2018	Unknown/Self-Pay	Pediatric Endocrinology	40,585	140 (0.3%)
2018	Unknown/Self-Pay	Pediatric Gastroenterology	40,585	755 (1.9%)
2018	Unknown/Self-Pay	Pediatric Hematology-Oncology	40,585	281 (0.7%)
2018	Unknown/Self-Pay	Pediatric Infectious Diseases	40,585	23 (0.1%)
2018	Unknown/Self-Pay	Pediatric Nephrology	40,585	90 (0.2%)
2018	Unknown/Self-Pay	Pediatric Pulmonology	40,585	172 (0.4%)
2018	Unknown/Self-Pay	Pediatric Rheumatology	40,585	<11 (<0.0%)
2018	Unknown/Self-Pay	Rehabilitation	40,585	25 (0.1%)
2018	Unknown/Self-Pay	Sleep Medicine	40,585	<11 (<0.0%)
2018	Unknown/Self-Pay	Sports Medicine	40,585	99 (0.2%)
2019	Private	Adolescent Medicine	363,189	506 (0.1%)
2019	Private	Allergy and Immunology	363,189	22 (0.0%)
2019	Private	Child Neurology	363,189	319 (0.1%)
2019	Private	Dermatology	363,189	<11 (<0.0%)
2019	Private	Developmental-Behavioral Pediatrics	363,189	48 (0.0%)
2019	Private	Genetics	363,189	<11 (<0.0%)
2019	Private	Hospice and Palliative Medicine	363,189	<11 (<0.0%)
2019	Private	Medical Toxicology	363,189	13 (0.0%)
2019	Private	Neonatal-Perinatal Medicine	363,189	681 (0.2%)
2019	Private	Pediatric Cardiology	363,189	397 (0.1%)
2019	Private	Pediatric Critical Care Medicine	363,189	270 (0.1%)
2019	Private	Pediatric Emergency Medicine	363,189	27,400 (7.5%)
2019	Private	Pediatric Endocrinology	363,189	199 (0.1%)
2019	Private	Pediatric Gastroenterology	363,189	457 (0.1%)
2019	Private	Pediatric Hematology-Oncology	363,189	436 (0.1%)
2019	Private	Pediatric Infectious Diseases	363,189	126 (0.0%)
2019	Private	Pediatric Nephrology	363,189	64 (0.0%)
2019	Private	Pediatric Pulmonology	363,189	518 (0.1%)
2019	Private	Pediatric Rheumatology	363,189	34 (0.0%)
2019	Private	Rehabilitation	363,189	71 (0.0%)
2019	Private	Sleep Medicine	363,189	107 (0.0%)
2019	Private	Sports Medicine	363,189	<11 (<0.0%)
2019	Public	Adolescent Medicine	402,542	968 (0.2%)
2019	Public	Allergy and Immunology	402,542	80 (0.0%)
2019	Public	Child Abuse Pediatrics	402,542	12 (0.0%)
2019	Public	Child Neurology	402,542	635 (0.2%)
2019	Public	Dermatology	402,542	<11 (<0.0%)
2019	Public	Developmental-Behavioral Pediatrics	402,542	331 (0.1%)
2019	Public	Genetics	402,542	60 (0.0%)

(continued)

Year	Insurer	Specialty	Patients in Denominator	n (%)
2019	Public	Hospice and Palliative Medicine	402,542	45 (0.0%)
2019	Public	Medical Toxicology	402,542	130 (0.0%)
2019	Public	Neonatal-Perinatal Medicine	402,542	2,014 (0.5%)
2019	Public	Pediatric Cardiology	402,542	1,067 (0.3%)
2019	Public	Pediatric Critical Care Medicine	402,542	2,567 (0.6%)
2019	Public	Pediatric Emergency Medicine	402,542	90,847 (22.6%)
2019	Public	Pediatric Endocrinology	402,542	539 (0.1%)
2019	Public	Pediatric Gastroenterology	402,542	1,238 (0.3%)
2019	Public	Pediatric Hematology-Oncology	402,542	1,656 (0.4%)
2019	Public	Pediatric Infectious Diseases	402,542	2,238 (0.6%)
2019	Public	Pediatric Nephrology	402,542	291 (0.1%)
2019	Public	Pediatric Pulmonology	402,542	1,873 (0.5%)
2019	Public	Pediatric Rheumatology	402,542	140 (0.0%)
2019	Public	Pediatric Transplant Hepatology	402,542	<11 (<0.0%)
2019	Public	Rehabilitation	402,542	155 (0.0%)
2019	Public	Sleep Medicine	402,542	412 (0.1%)
2019	Public	Sports Medicine	402,542	84 (0.0%)
2019	Unknown/Self-Pay	Adolescent Medicine	49,824	355 (0.7%)
2019	Unknown/Self-Pay	Allergy and Immunology	49,824	25 (0.1%)
2019	Unknown/Self-Pay	Child Neurology	49,824	496 (1.0%)
2019	Unknown/Self-Pay	Dermatology	49,824	<11 (<0.0%)
2019	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	49,824	13 (0.0%)
2019	Unknown/Self-Pay	Genetics	49,824	<11 (<0.0%)
2019	Unknown/Self-Pay	Hospice and Palliative Medicine	49,824	13 (0.0%)
2019	Unknown/Self-Pay	Neonatal-Perinatal Medicine	49,824	416 (0.8%)
2019	Unknown/Self-Pay	Pediatric Cardiology	49,824	370 (0.7%)
2019	Unknown/Self-Pay	Pediatric Critical Care Medicine	49,824	1,790 (3.6%)
2019	Unknown/Self-Pay	Pediatric Emergency Medicine	49,824	15,175 (30.5%)
2019	Unknown/Self-Pay	Pediatric Endocrinology	49,824	345 (0.7%)
2019	Unknown/Self-Pay	Pediatric Gastroenterology	49,824	994 (2.0%)
2019	Unknown/Self-Pay	Pediatric Hematology-Oncology	49,824	518 (1.0%)
2019	Unknown/Self-Pay	Pediatric Infectious Diseases	49,824	81 (0.2%)
2019	Unknown/Self-Pay	Pediatric Nephrology	49,824	160 (0.3%)
2019	Unknown/Self-Pay	Pediatric Pulmonology	49,824	225 (0.5%)
2019	Unknown/Self-Pay	Pediatric Rheumatology	49,824	41 (0.1%)
2019	Unknown/Self-Pay	Rehabilitation	49,824	63 (0.1%)
2019	Unknown/Self-Pay	Sleep Medicine	49,824	<11 (<0.0%)
2019	Unknown/Self-Pay	Sports Medicine	49,824	122 (0.2%)
2020	Private	Adolescent Medicine	363,588	311 (0.1%)
2020	Private	Allergy and Immunology	363,588	<11 (<0.0%)
2020	Private	Child Neurology	363,588	257 (0.1%)
2020	Private	Developmental-Behavioral Pediatrics	363,588	152 (0.0%)
2020	Private	Genetics	363,588	<11 (<0.0%)
2020	Private	Hospice and Palliative Medicine	363,588	<11 (<0.0%)
2020	Private	Medical Toxicology	363,588	<11 (<0.0%)
2020	Private	Neonatal-Perinatal Medicine	363,588	364 (0.1%)
2020	Private	Pediatric Cardiology	363,588	383 (0.1%)
2020	Private	Pediatric Critical Care Medicine	363,588	201 (0.1%)

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Year	Insurer	Specialty	Patients in Denominator	n (%)
2020	Private	Pediatric Emergency Medicine	363,588	21,126 (5.8%)
2020	Private	Pediatric Endocrinology	363,588	148 (0.0%)
2020	Private	Pediatric Gastroenterology	363,588	482 (0.1%)
2020	Private	Pediatric Hematology-Oncology	363,588	319 (0.1%)
2020	Private	Pediatric Infectious Diseases	363,588	58 (0.0%)
2020	Private	Pediatric Nephrology	363,588	43 (0.0%)
2020	Private	Pediatric Pulmonology	363,588	206 (0.1%)
2020	Private	Pediatric Rheumatology	363,588	30 (0.0%)
2020	Private	Rehabilitation	363,588	64 (0.0%)
2020	Private	Sleep Medicine	363,588	102 (0.0%)
2020	Private	Sports Medicine	363,588	<11 (<0.0%)
2020	Public	Adolescent Medicine	401,447	310 (0.1%)
2020	Public	Allergy and Immunology	401,447	29 (0.0%)
2020	Public	Child Abuse Pediatrics	401,447	<11 (<0.0%)
2020	Public	Child Neurology	401,447	509 (0.1%)
2020	Public	Dermatology	401,447	<11 (<0.0%)
2020	Public	Developmental-Behavioral Pediatrics	401,447	950 (0.2%)
2020	Public	Genetics	401,447	44 (0.0%)
2020	Public	Hospice and Palliative Medicine	401,447	<11 (<0.0%)
2020	Public	Medical Toxicology	401,447	62 (0.0%)
2020	Public	Neonatal-Perinatal Medicine	401,447	1,355 (0.3%)
2020	Public	Pediatric Cardiology	401,447	913 (0.2%)
2020	Public	Pediatric Critical Care Medicine	401,447	1,124 (0.3%)
2020	Public	Pediatric Emergency Medicine	401,447	65,316 (16.3%)
2020	Public	Pediatric Endocrinology	401,447	498 (0.1%)
2020	Public	Pediatric Gastroenterology	401,447	807 (0.2%)
2020	Public	Pediatric Hematology-Oncology	401,447	875 (0.2%)
2020	Public	Pediatric Infectious Diseases	401,447	927 (0.2%)
2020	Public	Pediatric Nephrology	401,447	202 (0.1%)
2020	Public	Pediatric Pulmonology	401,447	960 (0.2%)
2020	Public	Pediatric Rheumatology	401,447	61 (0.0%)
2020	Public	Rehabilitation	401,447	184 (0.0%)
2020	Public	Sleep Medicine	401,447	289 (0.1%)
2020	Public	Sports Medicine	401,447	44 (0.0%)
2020	Unknown/Self-Pay	Adolescent Medicine	55,644	347 (0.6%)
2020	Unknown/Self-Pay	Allergy and Immunology	55,644	11 (0.0%)
2020	Unknown/Self-Pay	Child Neurology	55,644	408 (0.7%)
2020	Unknown/Self-Pay	Dermatology	55,644	<11 (<0.0%)
2020	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	55,644	54 (0.1%)
2020	Unknown/Self-Pay	Genetics	55,644	<11 (<0.0%)
2020	Unknown/Self-Pay	Hospice and Palliative Medicine	55,644	<11 (<0.0%)
2020	Unknown/Self-Pay	Neonatal-Perinatal Medicine	55,644	394 (0.7%)
2020	Unknown/Self-Pay	Pediatric Cardiology	55,644	379 (0.7%)
2020	Unknown/Self-Pay	Pediatric Critical Care Medicine	55,644	853 (1.5%)
2020	Unknown/Self-Pay	Pediatric Emergency Medicine	55,644	12,158 (21.8%)
2020	Unknown/Self-Pay	Pediatric Endocrinology	55,644	325 (0.6%)
2020	Unknown/Self-Pay	Pediatric Gastroenterology	55,644	696 (1.3%)

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Year	Insurer	Specialty	Patients in Denominator	n (%)
2020	Unknown/Self-Pay	Pediatric Hematology-Oncology	55,644	359 (0.6%)
2020	Unknown/Self-Pay	Pediatric Infectious Diseases	55,644	68 (0.1%)
2020	Unknown/Self-Pay	Pediatric Nephrology	55,644	91 (0.2%)
2020	Unknown/Self-Pay	Pediatric Pulmonology	55,644	176 (0.3%)
2020	Unknown/Self-Pay	Pediatric Rheumatology	55,644	49 (0.1%)
2020	Unknown/Self-Pay	Rehabilitation	55,644	60 (0.1%)
2020	Unknown/Self-Pay	Sleep Medicine	55,644	30 (0.1%)
2020	Unknown/Self-Pay	Sports Medicine	55,644	120 (0.2%)
2021	Private	Adolescent Medicine	376,717	154 (0.0%)
2021	Private	Allergy and Immunology	376,717	<11 (<0.0%)
2021	Private	Child Neurology	376,717	307 (0.1%)
2021	Private	Dermatology	376,717	<11 (<0.0%)
2021	Private	Developmental-Behavioral Pediatrics	376,717	100 (0.0%)
2021	Private	Genetics	376,717	<11 (<0.0%)
2021	Private	Hospice and Palliative Medicine	376,717	<11 (<0.0%)
2021	Private	Medical Toxicology	376,717	<11 (<0.0%)
2021	Private	Neonatal-Perinatal Medicine	376,717	625 (0.2%)
2021	Private	Pediatric Cardiology	376,717	505 (0.1%)
2021	Private	Pediatric Critical Care Medicine	376,717	275 (0.1%)
2021	Private	Pediatric Emergency Medicine	376,717	28,795 (7.6%)
2021	Private	Pediatric Endocrinology	376,717	232 (0.1%)
2021	Private	Pediatric Gastroenterology	376,717	626 (0.2%)
2021	Private	Pediatric Hematology-Oncology	376,717	351 (0.1%)
2021	Private	Pediatric Infectious Diseases	376,717	74 (0.0%)
2021	Private	Pediatric Nephrology	376,717	209 (0.1%)
2021	Private	Pediatric Pulmonology	376,717	222 (0.1%)
2021	Private	Pediatric Rheumatology	376,717	49 (0.0%)
2021	Private	Rehabilitation	376,717	55 (0.0%)
2021	Private	Sleep Medicine	376,717	13 (0.0%)
2021	Private	Sports Medicine	376,717	26 (0.0%)
2021	Public	Adolescent Medicine	412,690	182 (0.0%)
2021	Public	Allergy and Immunology	412,690	26 (0.0%)
2021	Public	Child Neurology	412,690	544 (0.1%)
2021	Public	Dermatology	412,690	<11 (<0.0%)
2021	Public	Developmental-Behavioral Pediatrics	412,690	1,127 (0.3%)
2021	Public	Genetics	412,690	26 (0.0%)
2021	Public	Hospice and Palliative Medicine	412,690	<11 (<0.0%)
2021	Public	Medical Toxicology	412,690	102 (0.0%)
2021	Public	Neonatal-Perinatal Medicine	412,690	1,368 (0.3%)
2021	Public	Pediatric Cardiology	412,690	970 (0.2%)
2021	Public	Pediatric Critical Care Medicine	412,690	1,480 (0.4%)
2021	Public	Pediatric Emergency Medicine	412,690	81,794 (19.8%)
2021	Public	Pediatric Endocrinology	412,690	541 (0.1%)
2021	Public	Pediatric Gastroenterology	412,690	1,118 (0.3%)
2021	Public	Pediatric Hematology-Oncology	412,690	939 (0.2%)
2021	Public	Pediatric Infectious Diseases	412,690	944 (0.2%)
2021	Public	Pediatric Nephrology	412,690	374 (0.1%)
2021	Public	Pediatric Pulmonology	412,690	1,012 (0.2%)

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Year	Insurer	Specialty	Patients in Denominator	n (%)
2021	Public	Pediatric Rheumatology	412,690	144 (0.0%)
2021	Public	Pediatric Transplant Hepatology	412,690	<11 (<0.0%)
2021	Public	Rehabilitation	412,690	135 (0.0%)
2021	Public	Sleep Medicine	412,690	313 (0.1%)
2021	Public	Sports Medicine	412,690	67 (0.0%)
2021	Unknown/Self-Pay	Adolescent Medicine	69,144	280 (0.4%)
2021	Unknown/Self-Pay	Allergy and Immunology	69,144	14 (0.0%)
2021	Unknown/Self-Pay	Child Neurology	69,144	524 (0.8%)
2021	Unknown/Self-Pay	Dermatology	69,144	<11 (<0.0%)
2021	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	69,144	46 (0.1%)
2021	Unknown/Self-Pay	Genetics	69,144	14 (0.0%)
2021	Unknown/Self-Pay	Hospice and Palliative Medicine	69,144	<11 (<0.0%)
2021	Unknown/Self-Pay	Neonatal-Perinatal Medicine	69,144	370 (0.5%)
2021	Unknown/Self-Pay	Pediatric Cardiology	69,144	389 (0.6%)
2021	Unknown/Self-Pay	Pediatric Critical Care Medicine	69,144	1,313 (1.9%)
2021	Unknown/Self-Pay	Pediatric Emergency Medicine	69,144	16,809 (24.3%)
2021	Unknown/Self-Pay	Pediatric Endocrinology	69,144	401 (0.6%)
2021	Unknown/Self-Pay	Pediatric Gastroenterology	69,144	1,105 (1.6%)
2021	Unknown/Self-Pay	Pediatric Hematology-Oncology	69,144	399 (0.6%)
2021	Unknown/Self-Pay	Pediatric Infectious Diseases	69,144	63 (0.1%)
2021	Unknown/Self-Pay	Pediatric Nephrology	69,144	94 (0.1%)
2021	Unknown/Self-Pay	Pediatric Pulmonology	69,144	205 (0.3%)
2021	Unknown/Self-Pay	Pediatric Rheumatology	69,144	77 (0.1%)
2021	Unknown/Self-Pay	Rehabilitation	69,144	68 (0.1%)
2021	Unknown/Self-Pay	Sleep Medicine	69,144	20 (0.0%)
2021	Unknown/Self-Pay	Sports Medicine	69,144	155 (0.2%)
Overall	Private	Adolescent Medicine	708,302	2,497 (0.4%)
Overall	Private	Allergy and Immunology	708,302	228 (0.0%)
Overall	Private	Child Abuse Pediatrics	708,302	22 (0.0%)
Overall	Private	Child Neurology	708,302	2,298 (0.3%)
Overall	Private	Dermatology	708,302	89 (0.0%)
Overall	Private	Developmental-Behavioral Pediatrics	708,302	564 (0.1%)
Overall	Private	Genetics	708,302	67 (0.0%)
Overall	Private	Hospice and Palliative Medicine	708,302	210 (0.0%)
Overall	Private	Medical Toxicology	708,302	90 (0.0%)
Overall	Private	Neonatal-Perinatal Medicine	708,302	3,858 (0.5%)
Overall	Private	Pediatric Cardiology	708,302	2,535 (0.4%)
Overall	Private	Pediatric Critical Care Medicine	708,302	2,466 (0.3%)
Overall	Private	Pediatric Emergency Medicine	708,302	124,350 (17.6%)
Overall	Private	Pediatric Endocrinology	708,302	1,362 (0.2%)
Overall	Private	Pediatric Gastroenterology	708,302	3,069 (0.4%)
Overall	Private	Pediatric Hematology-Oncology	708,302	2,756 (0.4%)
Overall	Private	Pediatric Infectious Diseases	708,302	845 (0.1%)
Overall	Private	Pediatric Nephrology	708,302	590 (0.1%)
Overall	Private	Pediatric Pulmonology	708,302	2,065 (0.3%)
Overall	Private	Pediatric Rheumatology	708,302	424 (0.1%)
Overall	Private	Pediatric Transplant Hepatology	708,302	<11 (<0.0%)

(continued)

Year	Insurer	Specialty	Patients in Denominator	n (%)
Overall	Private	Rehabilitation	708,302	492 (0.1%)
Overall	Private	Sleep Medicine	708,302	257 (0.0%)
Overall	Private	Sports Medicine	708,302	133 (0.0%)
Overall	Public	Adolescent Medicine	763,251	5,346 (0.7%)
Overall	Public	Allergy and Immunology	763,251	2,035 (0.3%)
Overall	Public	Child Abuse Pediatrics	763,251	639 (0.1%)
Overall	Public	Child Neurology	763,251	4,774 (0.6%)
Overall	Public	Dermatology	763,251	844 (0.1%)
Overall	Public	Developmental-Behavioral Pediatrics	763,251	3,749 (0.5%)
Overall	Public	Genetics	763,251	1,641 (0.2%)
Overall	Public	Hospice and Palliative Medicine	763,251	770 (0.1%)
Overall	Public	Medical Toxicology	763,251	1,537 (0.2%)
Overall	Public	Neonatal-Perinatal Medicine	763,251	15,771 (2.1%)
Overall	Public	Pediatric Cardiology	763,251	7,666 (1.0%)
Overall	Public	Pediatric Critical Care Medicine	763,251	18,796 (2.5%)
Overall	Public	Pediatric Emergency Medicine	763,251	344,843 (45.2%)
Overall	Public	Pediatric Endocrinology	763,251	3,935 (0.5%)
Overall	Public	Pediatric Gastroenterology	763,251	10,082 (1.3%)
Overall	Public	Pediatric Hematology-Oncology	763,251	11,189 (1.5%)
Overall	Public	Pediatric Infectious Diseases	763,251	14,639 (1.9%)
Overall	Public	Pediatric Nephrology	763,251	1,937 (0.3%)
Overall	Public	Pediatric Pulmonology	763,251	11,598 (1.5%)
Overall	Public	Pediatric Rheumatology	763,251	2,343 (0.3%)
Overall	Public	Pediatric Transplant Hepatology	763,251	<11 (<0.0%)
Overall	Public	Rehabilitation	763,251	1,339 (0.2%)
Overall	Public	Sleep Medicine	763,251	2,033 (0.3%)
Overall	Public	Sports Medicine	763,251	2,504 (0.3%)
Overall	Unknown/Self-Pay	Adolescent Medicine	162,743	1,195 (0.7%)
Overall	Unknown/Self-Pay	Allergy and Immunology	162,743	99 (0.1%)
Overall	Unknown/Self-Pay	Child Abuse Pediatrics	162,743	<11 (<0.0%)
Overall	Unknown/Self-Pay	Child Neurology	162,743	2,010 (1.2%)
Overall	Unknown/Self-Pay	Dermatology	162,743	<11 (<0.0%)
Overall	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	162,743	287 (0.2%)
Overall	Unknown/Self-Pay	Genetics	162,743	55 (0.0%)
Overall	Unknown/Self-Pay	Hospice and Palliative Medicine	162,743	37 (0.0%)
Overall	Unknown/Self-Pay	Medical Toxicology	162,743	<11 (<0.0%)
Overall	Unknown/Self-Pay	Neonatal-Perinatal Medicine	162,743	2,814 (1.7%)
Overall	Unknown/Self-Pay	Pediatric Cardiology	162,743	1,880 (1.2%)
Overall	Unknown/Self-Pay	Pediatric Critical Care Medicine	162,743	11,727 (7.2%)
Overall	Unknown/Self-Pay	Pediatric Emergency Medicine	162,743	65,025 (40.0%)
Overall	Unknown/Self-Pay	Pediatric Endocrinology	162,743	1,632 (1.0%)
Overall	Unknown/Self-Pay	Pediatric Gastroenterology	162,743	6,693 (4.1%)
Overall	Unknown/Self-Pay	Pediatric Hematology-Oncology	162,743	2,279 (1.4%)
Overall	Unknown/Self-Pay	Pediatric Infectious Diseases	162,743	1,373 (0.8%)
Overall	Unknown/Self-Pay	Pediatric Nephrology	162,743	834 (0.5%)
Overall	Unknown/Self-Pay	Pediatric Pulmonology	162,743	1,581 (1.0%)
Overall	Unknown/Self-Pay	Pediatric Rheumatology	162,743	241 (0.1%)
Overall	Unknown/Self-Pay	Rehabilitation	162,743	598 (0.4%)

(continued)

Year	Insurer	Specialty	Patients in Denominator	n (%)
Overall	Unknown/Self-Pay	Sleep Medicine	162,743	169 (0.1%)
Overall	Unknown/Self-Pay	Sports Medicine	162,743	1,808 (1.1%)

Denominator is all patients with generalist outpatient visit in that year or prior (or overall) and who were members of that insurer group

Numerator is all patients in denominator who also had at least one specialist inpatient or emergency visit in that year and in that subspecialty

Table 7: Proportion of children with at least one specialist outpatient, inpatient or emergency encounter by pediatric medical subspecialty

Year	Insurer	Specialty	Patients in Denominator	n (%)
Overall	Private	Adolescent Medicine	708,302	13,288 (1.9%)
Overall	Private	Allergy and Immunology	708,302	37,904 (5.4%)
Overall	Private	Child Abuse Pediatrics	708,302	118 (0.0%)
Overall	Private	Child Neurology	708,302	38,378 (5.4%)
Overall	Private	Dermatology	708,302	30,167 (4.3%)
Overall	Private	Developmental-Behavioral Pediatrics	708,302	32,261 (4.6%)
Overall	Private	Genetics	708,302	6,684 (0.9%)
Overall	Private	Hospice and Palliative Medicine	708,302	809 (0.1%)
Overall	Private	Medical Toxicology	708,302	94 (0.0%)
Overall	Private	Neonatal-Perinatal Medicine	708,302	7,963 (1.1%)
Overall	Private	Pediatric Cardiology	708,302	53,951 (7.6%)
Overall	Private	Pediatric Critical Care Medicine	708,302	4,692 (0.7%)
Overall	Private	Pediatric Emergency Medicine	708,302	136,023 (19.2%)
Overall	Private	Pediatric Endocrinology	708,302	29,715 (4.2%)
Overall	Private	Pediatric Gastroenterology	708,302	60,303 (8.5%)
Overall	Private	Pediatric Hematology-Oncology	708,302	14,996 (2.1%)
Overall	Private	Pediatric Infectious Diseases	708,302	7,242 (1.0%)
Overall	Private	Pediatric Nephrology	708,302	10,874 (1.5%)
Overall	Private	Pediatric Pulmonology	708,302	22,625 (3.2%)
Overall	Private	Pediatric Rheumatology	708,302	8,382 (1.2%)
Overall	Private	Pediatric Transplant Hepatology	708,302	244 (0.0%)
Overall	Private	Rehabilitation	708,302	26,787 (3.8%)
Overall	Private	Sleep Medicine	708,302	1,416 (0.2%)
Overall	Private	Sports Medicine	708,302	15,678 (2.2%)
Overall	Public	Adolescent Medicine	763,251	52,784 (6.9%)
Overall	Public	Allergy and Immunology	763,251	53,256 (7.0%)
Overall	Public	Child Abuse Pediatrics	763,251	4,682 (0.6%)
Overall	Public	Child Neurology	763,251	56,184 (7.4%)
Overall	Public	Dermatology	763,251	43,973 (5.8%)
Overall	Public	Developmental-Behavioral Pediatrics	763,251	65,907 (8.6%)
Overall	Public	Genetics	763,251	19,014 (2.5%)
Overall	Public	Hospice and Palliative Medicine	763,251	2,976 (0.4%)
Overall	Public	Medical Toxicology	763,251	1,570 (0.2%)
Overall	Public	Neonatal-Perinatal Medicine	763,251	41,096 (5.4%)
Overall	Public	Obesity	763,251	15 (0.0%)
Overall	Public	Pediatric Cardiology	763,251	80,324 (10.5%)
Overall	Public	Pediatric Critical Care Medicine	763,251	37,954 (5.0%)
Overall	Public	Pediatric Emergency Medicine	763,251	363,132 (47.6%)
Overall	Public	Pediatric Endocrinology	763,251	46,547 (6.1%)
Overall	Public	Pediatric Gastroenterology	763,251	75,758 (9.9%)
Overall	Public	Pediatric Hematology-Oncology	763,251	37,178 (4.9%)
Overall	Public	Pediatric Infectious Diseases	763,251	27,313 (3.6%)
Overall	Public	Pediatric Nephrology	763,251	16,242 (2.1%)
Overall	Public	Pediatric Pulmonology	763,251	50,028 (6.6%)
Overall	Public	Pediatric Rheumatology	763,251	13,544 (1.8%)

(continued)

Year	Insurer	Specialty	Patients in Denominator	n (%)
Overall	Public	Pediatric Transplant Hepatology	763,251	1,392 (0.2%)
Overall	Public	Rehabilitation	763,251	29,757 (3.9%)
Overall	Public	Sleep Medicine	763,251	5,416 (0.7%)
Overall	Public	Sports Medicine	763,251	16,065 (2.1%)
Overall	Unknown/Self-Pay	Adolescent Medicine	162,743	7,514 (4.6%)
Overall	Unknown/Self-Pay	Allergy and Immunology	162,743	8,744 (5.4%)
Overall	Unknown/Self-Pay	Child Abuse Pediatrics	162,743	998 (0.6%)
Overall	Unknown/Self-Pay	Child Neurology	162,743	10,159 (6.2%)
Overall	Unknown/Self-Pay	Dermatology	162,743	5,036 (3.1%)
Overall	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	162,743	8,721 (5.4%)
Overall	Unknown/Self-Pay	Genetics	162,743	4,009 (2.5%)
Overall	Unknown/Self-Pay	Hospice and Palliative Medicine	162,743	118 (0.1%)
Overall	Unknown/Self-Pay	Medical Toxicology	162,743	<11 (<0.0%)
Overall	Unknown/Self-Pay	Neonatal-Perinatal Medicine	162,743	11,401 (7.0%)
Overall	Unknown/Self-Pay	Obesity	162,743	<11 (<0.0%)
Overall	Unknown/Self-Pay	Pediatric Cardiology	162,743	13,630 (8.4%)
Overall	Unknown/Self-Pay	Pediatric Critical Care Medicine	162,743	12,780 (7.9%)
Overall	Unknown/Self-Pay	Pediatric Emergency Medicine	162,743	69,072 (42.4%)
Overall	Unknown/Self-Pay	Pediatric Endocrinology	162,743	9,387 (5.8%)
Overall	Unknown/Self-Pay	Pediatric Gastroenterology	162,743	26,771 (16.4%)
Overall	Unknown/Self-Pay	Pediatric Hematology-Oncology	162,743	6,380 (3.9%)
Overall	Unknown/Self-Pay	Pediatric Infectious Diseases	162,743	3,159 (1.9%)
Overall	Unknown/Self-Pay	Pediatric Nephrology	162,743	3,849 (2.4%)
Overall	Unknown/Self-Pay	Pediatric Pulmonology	162,743	8,535 (5.2%)
Overall	Unknown/Self-Pay	Pediatric Rheumatology	162,743	3,725 (2.3%)
Overall	Unknown/Self-Pay	Pediatric Transplant Hepatology	162,743	1,894 (1.2%)
Overall	Unknown/Self-Pay	Rehabilitation	162,743	6,974 (4.3%)
Overall	Unknown/Self-Pay	Sleep Medicine	162,743	1,256 (0.8%)
Overall	Unknown/Self-Pay	Sports Medicine	162,743	4,245 (2.6%)
2011	Private	Adolescent Medicine	201,345	891 (0.4%)
2011	Private	Allergy and Immunology	201,345	3,352 (1.7%)
2011	Private	Child Abuse Pediatrics	201,345	14 (0.0%)
2011	Private	Child Neurology	201,345	3,312 (1.6%)
2011	Private	Dermatology	201,345	1,962 (1.0%)
2011	Private	Developmental-Behavioral Pediatrics	201,345	2,417 (1.2%)
2011	Private	Genetics	201,345	438 (0.2%)
2011	Private	Hospice and Palliative Medicine	201,345	114 (0.1%)
2011	Private	Medical Toxicology	201,345	<11 (<0.0%)
2011	Private	Neonatal-Perinatal Medicine	201,345	636 (0.3%)
2011	Private	Pediatric Cardiology	201,345	4,519 (2.2%)
2011	Private	Pediatric Critical Care Medicine	201,345	672 (0.3%)
2011	Private	Pediatric Emergency Medicine	201,345	12,005 (6.0%)
2011	Private	Pediatric Endocrinology	201,345	3,070 (1.5%)
2011	Private	Pediatric Gastroenterology	201,345	5,067 (2.5%)
2011	Private	Pediatric Hematology-Oncology	201,345	1,417 (0.7%)
2011	Private	Pediatric Infectious Diseases	201,345	406 (0.2%)
2011	Private	Pediatric Nephrology	201,345	778 (0.4%)

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Year	Insurer	Specialty	Patients in Denominator	n (%)
2011	Private	Pediatric Pulmonology	201,345	1,735 (0.9%)
2011	Private	Pediatric Rheumatology	201,345	758 (0.4%)
2011	Private	Pediatric Transplant Hepatology	201,345	12 (0.0%)
2011	Private	Rehabilitation	201,345	3,439 (1.7%)
2011	Private	Sleep Medicine	201,345	96 (0.0%)
2011	Private	Sports Medicine	201,345	509 (0.3%)
2011	Public	Adolescent Medicine	253,880	5,652 (2.2%)
2011	Public	Allergy and Immunology	253,880	5,297 (2.1%)
2011	Public	Child Abuse Pediatrics	253,880	681 (0.3%)
2011	Public	Child Neurology	253,880	6,494 (2.6%)
2011	Public	Dermatology	253,880	3,434 (1.4%)
2011	Public	Developmental-Behavioral Pediatrics	253,880	6,751 (2.7%)
2011	Public	Genetics	253,880	2,244 (0.9%)
2011	Public	Hospice and Palliative Medicine	253,880	293 (0.1%)
2011	Public	Medical Toxicology	253,880	103 (0.0%)
2011	Public	Neonatal-Perinatal Medicine	253,880	6,075 (2.4%)
2011	Public	Obesity	253,880	<11 (<0.0%)
2011	Public	Pediatric Cardiology	253,880	8,727 (3.4%)
2011	Public	Pediatric Critical Care Medicine	253,880	4,433 (1.7%)
2011	Public	Pediatric Emergency Medicine	253,880	69,454 (27.4%)
2011	Public	Pediatric Endocrinology	253,880	5,153 (2.0%)
2011	Public	Pediatric Gastroenterology	253,880	7,742 (3.0%)
2011	Public	Pediatric Hematology-Oncology	253,880	4,347 (1.7%)
2011	Public	Pediatric Infectious Diseases	253,880	2,845 (1.1%)
2011	Public	Pediatric Nephrology	253,880	1,873 (0.7%)
2011	Public	Pediatric Pulmonology	253,880	5,988 (2.4%)
2011	Public	Pediatric Rheumatology	253,880	1,224 (0.5%)
2011	Public	Pediatric Transplant Hepatology	253,880	<11 (<0.0%)
2011	Public	Rehabilitation	253,880	3,555 (1.4%)
2011	Public	Sleep Medicine	253,880	343 (0.1%)
2011	Public	Sports Medicine	253,880	1,218 (0.5%)
2011	Unknown/Self-Pay	Adolescent Medicine	38,403	1,126 (2.9%)
2011	Unknown/Self-Pay	Allergy and Immunology	38,403	1,186 (3.1%)
2011	Unknown/Self-Pay	Child Abuse Pediatrics	38,403	82 (0.2%)
2011	Unknown/Self-Pay	Child Neurology	38,403	603 (1.6%)
2011	Unknown/Self-Pay	Dermatology	38,403	338 (0.9%)
2011	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	38,403	526 (1.4%)
2011	Unknown/Self-Pay	Genetics	38,403	147 (0.4%)
2011	Unknown/Self-Pay	Hospice and Palliative Medicine	38,403	<11 (<0.0%)
2011	Unknown/Self-Pay	Neonatal-Perinatal Medicine	38,403	474 (1.2%)
2011	Unknown/Self-Pay	Pediatric Cardiology	38,403	1,118 (2.9%)
2011	Unknown/Self-Pay	Pediatric Critical Care Medicine	38,403	576 (1.5%)
2011	Unknown/Self-Pay	Pediatric Emergency Medicine	38,403	10,230 (26.6%)
2011	Unknown/Self-Pay	Pediatric Endocrinology	38,403	725 (1.9%)
2011	Unknown/Self-Pay	Pediatric Gastroenterology	38,403	1,652 (4.3%)
2011	Unknown/Self-Pay	Pediatric Hematology-Oncology	38,403	361 (0.9%)
2011	Unknown/Self-Pay	Pediatric Infectious Diseases	38,403	124 (0.3%)
2011	Unknown/Self-Pay	Pediatric Nephrology	38,403	223 (0.6%)

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Year	Insurer	Specialty	Patients in Denominator	n (%)
2011	Unknown/Self-Pay	Pediatric Pulmonology	38,403	808 (2.1%)
2011	Unknown/Self-Pay	Pediatric Rheumatology	38,403	109 (0.3%)
2011	Unknown/Self-Pay	Pediatric Transplant Hepatology	38,403	<11 (<0.0%)
2011	Unknown/Self-Pay	Rehabilitation	38,403	545 (1.4%)
2011	Unknown/Self-Pay	Sleep Medicine	38,403	355 (0.9%)
2011	Unknown/Self-Pay	Sports Medicine	38,403	329 (0.9%)
2012	Private	Adolescent Medicine	205,573	1,063 (0.5%)
2012	Private	Allergy and Immunology	205,573	3,590 (1.7%)
2012	Private	Child Abuse Pediatrics	205,573	14 (0.0%)
2012	Private	Child Neurology	205,573	3,698 (1.8%)
2012	Private	Dermatology	205,573	2,178 (1.1%)
2012	Private	Developmental-Behavioral Pediatrics	205,573	2,466 (1.2%)
2012	Private	Genetics	205,573	468 (0.2%)
2012	Private	Hospice and Palliative Medicine	205,573	76 (0.0%)
2012	Private	Medical Toxicology	205,573	<11 (<0.0%)
2012	Private	Neonatal-Perinatal Medicine	205,573	719 (0.3%)
2012	Private	Pediatric Cardiology	205,573	4,756 (2.3%)
2012	Private	Pediatric Critical Care Medicine	205,573	519 (0.3%)
2012	Private	Pediatric Emergency Medicine	205,573	10,259 (5.0%)
2012	Private	Pediatric Endocrinology	205,573	3,499 (1.7%)
2012	Private	Pediatric Gastroenterology	205,573	5,222 (2.5%)
2012	Private	Pediatric Hematology-Oncology	205,573	1,508 (0.7%)
2012	Private	Pediatric Infectious Diseases	205,573	503 (0.2%)
2012	Private	Pediatric Nephrology	205,573	644 (0.3%)
2012	Private	Pediatric Pulmonology	205,573	2,010 (1.0%)
2012	Private	Pediatric Rheumatology	205,573	755 (0.4%)
2012	Private	Pediatric Transplant Hepatology	205,573	<11 (<0.0%)
2012	Private	Rehabilitation	205,573	3,371 (1.6%)
2012	Private	Sleep Medicine	205,573	122 (0.1%)
2012	Private	Sports Medicine	205,573	581 (0.3%)
2012	Public	Adolescent Medicine	273,117	6,470 (2.4%)
2012	Public	Allergy and Immunology	273,117	6,234 (2.3%)
2012	Public	Child Abuse Pediatrics	273,117	386 (0.1%)
2012	Public	Child Neurology	273,117	7,264 (2.7%)
2012	Public	Dermatology	273,117	4,157 (1.5%)
2012	Public	Developmental-Behavioral Pediatrics	273,117	7,020 (2.6%)
2012	Public	Genetics	273,117	2,468 (0.9%)
2012	Public	Hospice and Palliative Medicine	273,117	289 (0.1%)
2012	Public	Medical Toxicology	273,117	65 (0.0%)
2012	Public	Neonatal-Perinatal Medicine	273,117	4,972 (1.8%)
2012	Public	Obesity	273,117	<11 (<0.0%)
2012	Public	Pediatric Cardiology	273,117	9,313 (3.4%)
2012	Public	Pediatric Critical Care Medicine	273,117	3,792 (1.4%)
2012	Public	Pediatric Emergency Medicine	273,117	74,415 (27.2%)
2012	Public	Pediatric Endocrinology	273,117	5,911 (2.2%)
2012	Public	Pediatric Gastroenterology	273,117	8,113 (3.0%)
2012	Public	Pediatric Hematology-Oncology	273,117	4,190 (1.5%)

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Year	Insurer	Specialty	Patients in Denominator	n (%)
2012	Public	Pediatric Infectious Diseases	273,117	3,090 (1.1%)
2012	Public	Pediatric Nephrology	273,117	1,712 (0.6%)
2012	Public	Pediatric Pulmonology	273,117	6,719 (2.5%)
2012	Public	Pediatric Rheumatology	273,117	1,178 (0.4%)
2012	Public	Pediatric Transplant Hepatology	273,117	<11 (<0.0%)
2012	Public	Rehabilitation	273,117	3,705 (1.4%)
2012	Public	Sleep Medicine	273,117	364 (0.1%)
2012	Public	Sports Medicine	273,117	1,602 (0.6%)
2012	Unknown/Self-Pay	Adolescent Medicine	34,444	1,043 (3.0%)
2012	Unknown/Self-Pay	Allergy and Immunology	34,444	1,001 (2.9%)
2012	Unknown/Self-Pay	Child Abuse Pediatrics	34,444	88 (0.3%)
2012	Unknown/Self-Pay	Child Neurology	34,444	642 (1.9%)
2012	Unknown/Self-Pay	Dermatology	34,444	423 (1.2%)
2012	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	34,444	563 (1.6%)
2012	Unknown/Self-Pay	Genetics	34,444	217 (0.6%)
2012	Unknown/Self-Pay	Hospice and Palliative Medicine	34,444	<11 (<0.0%)
2012	Unknown/Self-Pay	Medical Toxicology	34,444	<11 (<0.0%)
2012	Unknown/Self-Pay	Neonatal-Perinatal Medicine	34,444	557 (1.6%)
2012	Unknown/Self-Pay	Obesity	34,444	<11 (<0.0%)
2012	Unknown/Self-Pay	Pediatric Cardiology	34,444	1,138 (3.3%)
2012	Unknown/Self-Pay	Pediatric Critical Care Medicine	34,444	656 (1.9%)
2012	Unknown/Self-Pay	Pediatric Emergency Medicine	34,444	9,722 (28.2%)
2012	Unknown/Self-Pay	Pediatric Endocrinology	34,444	818 (2.4%)
2012	Unknown/Self-Pay	Pediatric Gastroenterology	34,444	1,833 (5.3%)
2012	Unknown/Self-Pay	Pediatric Hematology-Oncology	34,444	400 (1.2%)
2012	Unknown/Self-Pay	Pediatric Infectious Diseases	34,444	145 (0.4%)
2012	Unknown/Self-Pay	Pediatric Nephrology	34,444	386 (1.1%)
2012	Unknown/Self-Pay	Pediatric Pulmonology	34,444	787 (2.3%)
2012	Unknown/Self-Pay	Pediatric Rheumatology	34,444	101 (0.3%)
2012	Unknown/Self-Pay	Rehabilitation	34,444	569 (1.7%)
2012	Unknown/Self-Pay	Sleep Medicine	34,444	243 (0.7%)
2012	Unknown/Self-Pay	Sports Medicine	34,444	361 (1.0%)
2013	Private	Adolescent Medicine	213,980	1,395 (0.7%)
2013	Private	Allergy and Immunology	213,980	3,885 (1.8%)
2013	Private	Child Abuse Pediatrics	213,980	<11 (<0.0%)
2013	Private	Child Neurology	213,980	4,187 (2.0%)
2013	Private	Dermatology	213,980	2,671 (1.2%)
2013	Private	Developmental-Behavioral Pediatrics	213,980	2,655 (1.2%)
2013	Private	Genetics	213,980	588 (0.3%)
2013	Private	Hospice and Palliative Medicine	213,980	52 (0.0%)
2013	Private	Medical Toxicology	213,980	<11 (<0.0%)
2013	Private	Neonatal-Perinatal Medicine	213,980	762 (0.4%)
2013	Private	Pediatric Cardiology	213,980	5,044 (2.4%)
2013	Private	Pediatric Critical Care Medicine	213,980	371 (0.2%)
2013	Private	Pediatric Emergency Medicine	213,980	10,811 (5.1%)
2013	Private	Pediatric Endocrinology	213,980	3,927 (1.8%)
2013	Private	Pediatric Gastroenterology	213,980	5,528 (2.6%)
2013	Private	Pediatric Hematology-Oncology	213,980	1,638 (0.8%)

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Year	Insurer	Specialty	Patients in Denominator	n (%)
2013	Private	Pediatric Infectious Diseases	213,980	508 (0.2%)
2013	Private	Pediatric Nephrology	213,980	728 (0.3%)
2013	Private	Pediatric Pulmonology	213,980	2,260 (1.1%)
2013	Private	Pediatric Rheumatology	213,980	846 (0.4%)
2013	Private	Pediatric Transplant Hepatology	213,980	<11 (<0.0%)
2013	Private	Rehabilitation	213,980	3,767 (1.8%)
2013	Private	Sleep Medicine	213,980	139 (0.1%)
2013	Private	Sports Medicine	213,980	637 (0.3%)
2013	Public	Adolescent Medicine	293,450	6,906 (2.4%)
2013	Public	Allergy and Immunology	293,450	6,506 (2.2%)
2013	Public	Child Abuse Pediatrics	293,450	454 (0.2%)
2013	Public	Child Neurology	293,450	8,330 (2.8%)
2013	Public	Dermatology	293,450	4,984 (1.7%)
2013	Public	Developmental-Behavioral Pediatrics	293,450	7,912 (2.7%)
2013	Public	Genetics	293,450	1,817 (0.6%)
2013	Public	Hospice and Palliative Medicine	293,450	328 (0.1%)
2013	Public	Medical Toxicology	293,450	111 (0.0%)
2013	Public	Neonatal-Perinatal Medicine	293,450	4,722 (1.6%)
2013	Public	Pediatric Cardiology	293,450	10,240 (3.5%)
2013	Public	Pediatric Critical Care Medicine	293,450	3,632 (1.2%)
2013	Public	Pediatric Emergency Medicine	293,450	76,718 (26.1%)
2013	Public	Pediatric Endocrinology	293,450	6,534 (2.2%)
2013	Public	Pediatric Gastroenterology	293,450	9,230 (3.1%)
2013	Public	Pediatric Hematology-Oncology	293,450	4,337 (1.5%)
2013	Public	Pediatric Infectious Diseases	293,450	3,050 (1.0%)
2013	Public	Pediatric Nephrology	293,450	1,913 (0.7%)
2013	Public	Pediatric Pulmonology	293,450	7,865 (2.7%)
2013	Public	Pediatric Rheumatology	293,450	1,196 (0.4%)
2013	Public	Pediatric Transplant Hepatology	293,450	127 (0.0%)
2013	Public	Rehabilitation	293,450	4,504 (1.5%)
2013	Public	Sleep Medicine	293,450	395 (0.1%)
2013	Public	Sports Medicine	293,450	1,555 (0.5%)
2013	Unknown/Self-Pay	Adolescent Medicine	33,289	792 (2.4%)
2013	Unknown/Self-Pay	Allergy and Immunology	33,289	503 (1.5%)
2013	Unknown/Self-Pay	Child Abuse Pediatrics	33,289	86 (0.3%)
2013	Unknown/Self-Pay	Child Neurology	33,289	706 (2.1%)
2013	Unknown/Self-Pay	Dermatology	33,289	567 (1.7%)
2013	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	33,289	649 (1.9%)
2013	Unknown/Self-Pay	Genetics	33,289	246 (0.7%)
2013	Unknown/Self-Pay	Hospice and Palliative Medicine	33,289	<11 (<0.0%)
2013	Unknown/Self-Pay	Medical Toxicology	33,289	<11 (<0.0%)
2013	Unknown/Self-Pay	Neonatal-Perinatal Medicine	33,289	578 (1.7%)
2013	Unknown/Self-Pay	Obesity	33,289	<11 (<0.0%)
2013	Unknown/Self-Pay	Pediatric Cardiology	33,289	1,106 (3.3%)
2013	Unknown/Self-Pay	Pediatric Critical Care Medicine	33,289	1,070 (3.2%)
2013	Unknown/Self-Pay	Pediatric Emergency Medicine	33,289	9,258 (27.8%)
2013	Unknown/Self-Pay	Pediatric Endocrinology	33,289	618 (1.9%)

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Year	Insurer	Specialty	Patients in Denominator	n (%)
2013	Unknown/Self-Pay	Pediatric Gastroenterology	33,289	2,305 (6.9%)
2013	Unknown/Self-Pay	Pediatric Hematology-Oncology	33,289	380 (1.1%)
2013	Unknown/Self-Pay	Pediatric Infectious Diseases	33,289	454 (1.4%)
2013	Unknown/Self-Pay	Pediatric Nephrology	33,289	476 (1.4%)
2013	Unknown/Self-Pay	Pediatric Pulmonology	33,289	1,011 (3.0%)
2013	Unknown/Self-Pay	Pediatric Rheumatology	33,289	125 (0.4%)
2013	Unknown/Self-Pay	Pediatric Transplant Hepatology	33,289	110 (0.3%)
2013	Unknown/Self-Pay	Rehabilitation	33,289	636 (1.9%)
2013	Unknown/Self-Pay	Sleep Medicine	33,289	177 (0.5%)
2013	Unknown/Self-Pay	Sports Medicine	33,289	358 (1.1%)
2014	Private	Adolescent Medicine	249,574	1,799 (0.7%)
2014	Private	Allergy and Immunology	249,574	4,368 (1.8%)
2014	Private	Child Abuse Pediatrics	249,574	13 (0.0%)
2014	Private	Child Neurology	249,574	5,006 (2.0%)
2014	Private	Dermatology	249,574	3,059 (1.2%)
2014	Private	Developmental-Behavioral Pediatrics	249,574	3,274 (1.3%)
2014	Private	Genetics	249,574	615 (0.2%)
2014	Private	Hospice and Palliative Medicine	249,574	83 (0.0%)
2014	Private	Medical Toxicology	249,574	<11 (<0.0%)
2014	Private	Neonatal-Perinatal Medicine	249,574	901 (0.4%)
2014	Private	Pediatric Cardiology	249,574	6,576 (2.6%)
2014	Private	Pediatric Critical Care Medicine	249,574	425 (0.2%)
2014	Private	Pediatric Emergency Medicine	249,574	13,329 (5.3%)
2014	Private	Pediatric Endocrinology	249,574	4,414 (1.8%)
2014	Private	Pediatric Gastroenterology	249,574	6,947 (2.8%)
2014	Private	Pediatric Hematology-Oncology	249,574	1,999 (0.8%)
2014	Private	Pediatric Infectious Diseases	249,574	883 (0.4%)
2014	Private	Pediatric Nephrology	249,574	1,002 (0.4%)
2014	Private	Pediatric Pulmonology	249,574	2,988 (1.2%)
2014	Private	Pediatric Rheumatology	249,574	1,032 (0.4%)
2014	Private	Pediatric Transplant Hepatology	249,574	41 (0.0%)
2014	Private	Rehabilitation	249,574	4,493 (1.8%)
2014	Private	Sleep Medicine	249,574	144 (0.1%)
2014	Private	Sports Medicine	249,574	1,238 (0.5%)
2014	Public	Adolescent Medicine	321,943	7,149 (2.2%)
2014	Public	Allergy and Immunology	321,943	7,431 (2.3%)
2014	Public	Child Abuse Pediatrics	321,943	564 (0.2%)
2014	Public	Child Neurology	321,943	8,966 (2.8%)
2014	Public	Dermatology	321,943	5,614 (1.7%)
2014	Public	Developmental-Behavioral Pediatrics	321,943	9,390 (2.9%)
2014	Public	Genetics	321,943	2,029 (0.6%)
2014	Public	Hospice and Palliative Medicine	321,943	439 (0.1%)
2014	Public	Medical Toxicology	321,943	219 (0.1%)
2014	Public	Neonatal-Perinatal Medicine	321,943	5,040 (1.6%)
2014	Public	Obesity	321,943	<11 (<0.0%)
2014	Public	Pediatric Cardiology	321,943	11,323 (3.5%)
2014	Public	Pediatric Critical Care Medicine	321,943	4,250 (1.3%)
2014	Public	Pediatric Emergency Medicine	321,943	81,818 (25.4%)

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Year	Insurer	Specialty	Patients in Denominator	n (%)
2014	Public	Pediatric Endocrinology	321,943	8,578 (2.7%)
2014	Public	Pediatric Gastroenterology	321,943	11,301 (3.5%)
2014	Public	Pediatric Hematology-Oncology	321,943	4,869 (1.5%)
2014	Public	Pediatric Infectious Diseases	321,943	3,232 (1.0%)
2014	Public	Pediatric Nephrology	321,943	2,321 (0.7%)
2014	Public	Pediatric Pulmonology	321,943	9,004 (2.8%)
2014	Public	Pediatric Rheumatology	321,943	1,464 (0.5%)
2014	Public	Pediatric Transplant Hepatology	321,943	269 (0.1%)
2014	Public	Rehabilitation	321,943	5,061 (1.6%)
2014	Public	Sleep Medicine	321,943	465 (0.1%)
2014	Public	Sports Medicine	321,943	1,987 (0.6%)
2014	Unknown/Self-Pay	Adolescent Medicine	34,844	653 (1.9%)
2014	Unknown/Self-Pay	Allergy and Immunology	34,844	532 (1.5%)
2014	Unknown/Self-Pay	Child Abuse Pediatrics	34,844	80 (0.2%)
2014	Unknown/Self-Pay	Child Neurology	34,844	730 (2.1%)
2014	Unknown/Self-Pay	Dermatology	34,844	557 (1.6%)
2014	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	34,844	790 (2.3%)
2014	Unknown/Self-Pay	Genetics	34,844	267 (0.8%)
2014	Unknown/Self-Pay	Hospice and Palliative Medicine	34,844	<11 (<0.0%)
2014	Unknown/Self-Pay	Neonatal-Perinatal Medicine	34,844	713 (2.0%)
2014	Unknown/Self-Pay	Obesity	34,844	<11 (<0.0%)
2014	Unknown/Self-Pay	Pediatric Cardiology	34,844	1,470 (4.2%)
2014	Unknown/Self-Pay	Pediatric Critical Care Medicine	34,844	1,858 (5.3%)
2014	Unknown/Self-Pay	Pediatric Emergency Medicine	34,844	9,604 (27.6%)
2014	Unknown/Self-Pay	Pediatric Endocrinology	34,844	677 (1.9%)
2014	Unknown/Self-Pay	Pediatric Gastroenterology	34,844	2,990 (8.6%)
2014	Unknown/Self-Pay	Pediatric Hematology-Oncology	34,844	460 (1.3%)
2014	Unknown/Self-Pay	Pediatric Infectious Diseases	34,844	482 (1.4%)
2014	Unknown/Self-Pay	Pediatric Nephrology	34,844	426 (1.2%)
2014	Unknown/Self-Pay	Pediatric Pulmonology	34,844	1,211 (3.5%)
2014	Unknown/Self-Pay	Pediatric Rheumatology	34,844	146 (0.4%)
2014	Unknown/Self-Pay	Pediatric Transplant Hepatology	34,844	214 (0.6%)
2014	Unknown/Self-Pay	Rehabilitation	34,844	709 (2.0%)
2014	Unknown/Self-Pay	Sleep Medicine	34,844	210 (0.6%)
2014	Unknown/Self-Pay	Sports Medicine	34,844	471 (1.4%)
2015	Private	Adolescent Medicine	282,463	1,653 (0.6%)
2015	Private	Allergy and Immunology	282,463	4,916 (1.7%)
2015	Private	Child Abuse Pediatrics	282,463	<11 (<0.0%)
2015	Private	Child Neurology	282,463	5,560 (2.0%)
2015	Private	Dermatology	282,463	3,109 (1.1%)
2015	Private	Developmental-Behavioral Pediatrics	282,463	3,986 (1.4%)
2015	Private	Genetics	282,463	631 (0.2%)
2015	Private	Hospice and Palliative Medicine	282,463	90 (0.0%)
2015	Private	Medical Toxicology	282,463	11 (0.0%)
2015	Private	Neonatal-Perinatal Medicine	282,463	884 (0.3%)
2015	Private	Pediatric Cardiology	282,463	7,548 (2.7%)
2015	Private	Pediatric Critical Care Medicine	282,463	470 (0.2%)

(continued)

Year	Insurer	Specialty	Patients in Denominator	n (%)
2015	Private	Pediatric Emergency Medicine	282,463	15,801 (5.6%)
2015	Private	Pediatric Endocrinology	282,463	5,014 (1.8%)
2015	Private	Pediatric Gastroenterology	282,463	7,748 (2.7%)
2015	Private	Pediatric Hematology-Oncology	282,463	2,039 (0.7%)
2015	Private	Pediatric Infectious Diseases	282,463	1,162 (0.4%)
2015	Private	Pediatric Nephrology	282,463	1,038 (0.4%)
2015	Private	Pediatric Pulmonology	282,463	3,536 (1.3%)
2015	Private	Pediatric Rheumatology	282,463	1,144 (0.4%)
2015	Private	Pediatric Transplant Hepatology	282,463	47 (0.0%)
2015	Private	Rehabilitation	282,463	4,538 (1.6%)
2015	Private	Sleep Medicine	282,463	129 (0.0%)
2015	Private	Sports Medicine	282,463	1,886 (0.7%)
2015	Public	Adolescent Medicine	345,177	7,293 (2.1%)
2015	Public	Allergy and Immunology	345,177	8,143 (2.4%)
2015	Public	Child Abuse Pediatrics	345,177	423 (0.1%)
2015	Public	Child Neurology	345,177	9,724 (2.8%)
2015	Public	Dermatology	345,177	5,933 (1.7%)
2015	Public	Developmental-Behavioral Pediatrics	345,177	11,900 (3.4%)
2015	Public	Genetics	345,177	2,160 (0.6%)
2015	Public	Hospice and Palliative Medicine	345,177	401 (0.1%)
2015	Public	Medical Toxicology	345,177	168 (0.0%)
2015	Public	Neonatal-Perinatal Medicine	345,177	4,770 (1.4%)
2015	Public	Obesity	345,177	<11 (<0.0%)
2015	Public	Pediatric Cardiology	345,177	12,148 (3.5%)
2015	Public	Pediatric Critical Care Medicine	345,177	4,581 (1.3%)
2015	Public	Pediatric Emergency Medicine	345,177	84,797 (24.6%)
2015	Public	Pediatric Endocrinology	345,177	9,106 (2.6%)
2015	Public	Pediatric Gastroenterology	345,177	12,685 (3.7%)
2015	Public	Pediatric Hematology-Oncology	345,177	6,047 (1.8%)
2015	Public	Pediatric Infectious Diseases	345,177	3,130 (0.9%)
2015	Public	Pediatric Nephrology	345,177	2,616 (0.8%)
2015	Public	Pediatric Pulmonology	345,177	9,110 (2.6%)
2015	Public	Pediatric Rheumatology	345,177	2,016 (0.6%)
2015	Public	Pediatric Transplant Hepatology	345,177	241 (0.1%)
2015	Public	Rehabilitation	345,177	5,489 (1.6%)
2015	Public	Sleep Medicine	345,177	385 (0.1%)
2015	Public	Sports Medicine	345,177	2,222 (0.6%)
2015	Unknown/Self-Pay	Adolescent Medicine	39,141	662 (1.7%)
2015	Unknown/Self-Pay	Allergy and Immunology	39,141	821 (2.1%)
2015	Unknown/Self-Pay	Child Abuse Pediatrics	39,141	76 (0.2%)
2015	Unknown/Self-Pay	Child Neurology	39,141	984 (2.5%)
2015	Unknown/Self-Pay	Dermatology	39,141	612 (1.6%)
2015	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	39,141	1,154 (2.9%)
2015	Unknown/Self-Pay	Genetics	39,141	415 (1.1%)
2015	Unknown/Self-Pay	Hospice and Palliative Medicine	39,141	<11 (<0.0%)
2015	Unknown/Self-Pay	Medical Toxicology	39,141	<11 (<0.0%)
2015	Unknown/Self-Pay	Neonatal-Perinatal Medicine	39,141	779 (2.0%)
2015	Unknown/Self-Pay	Obesity	39,141	<11 (<0.0%)

(continued)

Year	Insurer	Specialty	Patients in Denominator	n (%)
2015	Unknown/Self-Pay	Pediatric Cardiology	39,141	1,750 (4.5%)
2015	Unknown/Self-Pay	Pediatric Critical Care Medicine	39,141	2,129 (5.4%)
2015	Unknown/Self-Pay	Pediatric Emergency Medicine	39,141	10,608 (27.1%)
2015	Unknown/Self-Pay	Pediatric Endocrinology	39,141	1,084 (2.8%)
2015	Unknown/Self-Pay	Pediatric Gastroenterology	39,141	4,037 (10.3%)
2015	Unknown/Self-Pay	Pediatric Hematology-Oncology	39,141	802 (2.0%)
2015	Unknown/Self-Pay	Pediatric Infectious Diseases	39,141	447 (1.1%)
2015	Unknown/Self-Pay	Pediatric Nephrology	39,141	482 (1.2%)
2015	Unknown/Self-Pay	Pediatric Pulmonology	39,141	1,304 (3.3%)
2015	Unknown/Self-Pay	Pediatric Rheumatology	39,141	222 (0.6%)
2015	Unknown/Self-Pay	Pediatric Transplant Hepatology	39,141	242 (0.6%)
2015	Unknown/Self-Pay	Rehabilitation	39,141	929 (2.4%)
2015	Unknown/Self-Pay	Sleep Medicine	39,141	145 (0.4%)
2015	Unknown/Self-Pay	Sports Medicine	39,141	633 (1.6%)
2016	Private	Adolescent Medicine	313,481	1,579 (0.5%)
2016	Private	Allergy and Immunology	313,481	5,665 (1.8%)
2016	Private	Child Abuse Pediatrics	313,481	13 (0.0%)
2016	Private	Child Neurology	313,481	6,080 (1.9%)
2016	Private	Dermatology	313,481	3,617 (1.2%)
2016	Private	Developmental-Behavioral Pediatrics	313,481	4,457 (1.4%)
2016	Private	Genetics	313,481	671 (0.2%)
2016	Private	Hospice and Palliative Medicine	313,481	53 (0.0%)
2016	Private	Medical Toxicology	313,481	12 (0.0%)
2016	Private	Neonatal-Perinatal Medicine	313,481	934 (0.3%)
2016	Private	Pediatric Cardiology	313,481	7,419 (2.4%)
2016	Private	Pediatric Critical Care Medicine	313,481	482 (0.2%)
2016	Private	Pediatric Emergency Medicine	313,481	18,966 (6.1%)
2016	Private	Pediatric Endocrinology	313,481	5,284 (1.7%)
2016	Private	Pediatric Gastroenterology	313,481	9,072 (2.9%)
2016	Private	Pediatric Hematology-Oncology	313,481	2,083 (0.7%)
2016	Private	Pediatric Infectious Diseases	313,481	1,020 (0.3%)
2016	Private	Pediatric Nephrology	313,481	1,070 (0.3%)
2016	Private	Pediatric Pulmonology	313,481	3,854 (1.2%)
2016	Private	Pediatric Rheumatology	313,481	1,253 (0.4%)
2016	Private	Pediatric Transplant Hepatology	313,481	37 (0.0%)
2016	Private	Rehabilitation	313,481	4,789 (1.5%)
2016	Private	Sleep Medicine	313,481	169 (0.1%)
2016	Private	Sports Medicine	313,481	2,343 (0.7%)
2016	Public	Adolescent Medicine	357,692	7,661 (2.1%)
2016	Public	Allergy and Immunology	357,692	8,775 (2.5%)
2016	Public	Child Abuse Pediatrics	357,692	453 (0.1%)
2016	Public	Child Neurology	357,692	10,692 (3.0%)
2016	Public	Dermatology	357,692	6,533 (1.8%)
2016	Public	Developmental-Behavioral Pediatrics	357,692	12,064 (3.4%)
2016	Public	Genetics	357,692	2,204 (0.6%)
2016	Public	Hospice and Palliative Medicine	357,692	335 (0.1%)
2016	Public	Medical Toxicology	357,692	176 (0.0%)

(continued)

Year	Insurer	Specialty	Patients in Denominator	n (%)
2016	Public	Neonatal-Perinatal Medicine	357,692	4,931 (1.4%)
2016	Public	Obesity	357,692	<11 (<0.0%)
2016	Public	Pediatric Cardiology	357,692	12,498 (3.5%)
2016	Public	Pediatric Critical Care Medicine	357,692	5,471 (1.5%)
2016	Public	Pediatric Emergency Medicine	357,692	89,384 (25.0%)
2016	Public	Pediatric Endocrinology	357,692	8,542 (2.4%)
2016	Public	Pediatric Gastroenterology	357,692	13,596 (3.8%)
2016	Public	Pediatric Hematology-Oncology	357,692	6,184 (1.7%)
2016	Public	Pediatric Infectious Diseases	357,692	2,785 (0.8%)
2016	Public	Pediatric Nephrology	357,692	2,845 (0.8%)
2016	Public	Pediatric Pulmonology	357,692	9,577 (2.7%)
2016	Public	Pediatric Rheumatology	357,692	2,086 (0.6%)
2016	Public	Pediatric Transplant Hepatology	357,692	241 (0.1%)
2016	Public	Rehabilitation	357,692	5,835 (1.6%)
2016	Public	Sleep Medicine	357,692	901 (0.3%)
2016	Public	Sports Medicine	357,692	2,453 (0.7%)
2016	Unknown/Self-Pay	Adolescent Medicine	41,405	760 (1.8%)
2016	Unknown/Self-Pay	Allergy and Immunology	41,405	1,261 (3.0%)
2016	Unknown/Self-Pay	Child Abuse Pediatrics	41,405	105 (0.3%)
2016	Unknown/Self-Pay	Child Neurology	41,405	1,298 (3.1%)
2016	Unknown/Self-Pay	Dermatology	41,405	562 (1.4%)
2016	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	41,405	1,303 (3.1%)
2016	Unknown/Self-Pay	Genetics	41,405	413 (1.0%)
2016	Unknown/Self-Pay	Hospice and Palliative Medicine	41,405	13 (0.0%)
2016	Unknown/Self-Pay	Medical Toxicology	41,405	<11 (<0.0%)
2016	Unknown/Self-Pay	Neonatal-Perinatal Medicine	41,405	775 (1.9%)
2016	Unknown/Self-Pay	Obesity	41,405	<11 (<0.0%)
2016	Unknown/Self-Pay	Pediatric Cardiology	41,405	1,952 (4.7%)
2016	Unknown/Self-Pay	Pediatric Critical Care Medicine	41,405	2,465 (6.0%)
2016	Unknown/Self-Pay	Pediatric Emergency Medicine	41,405	11,283 (27.3%)
2016	Unknown/Self-Pay	Pediatric Endocrinology	41,405	1,438 (3.5%)
2016	Unknown/Self-Pay	Pediatric Gastroenterology	41,405	3,902 (9.4%)
2016	Unknown/Self-Pay	Pediatric Hematology-Oncology	41,405	982 (2.4%)
2016	Unknown/Self-Pay	Pediatric Infectious Diseases	41,405	239 (0.6%)
2016	Unknown/Self-Pay	Pediatric Nephrology	41,405	549 (1.3%)
2016	Unknown/Self-Pay	Pediatric Pulmonology	41,405	1,364 (3.3%)
2016	Unknown/Self-Pay	Pediatric Rheumatology	41,405	297 (0.7%)
2016	Unknown/Self-Pay	Pediatric Transplant Hepatology	41,405	244 (0.6%)
2016	Unknown/Self-Pay	Rehabilitation	41,405	998 (2.4%)
2016	Unknown/Self-Pay	Sleep Medicine	41,405	120 (0.3%)
2016	Unknown/Self-Pay	Sports Medicine	41,405	607 (1.5%)
2017	Private	Adolescent Medicine	329,194	1,759 (0.5%)
2017	Private	Allergy and Immunology	329,194	6,770 (2.1%)
2017	Private	Child Abuse Pediatrics	329,194	18 (0.0%)
2017	Private	Child Neurology	329,194	6,432 (2.0%)
2017	Private	Dermatology	329,194	4,242 (1.3%)
2017	Private	Developmental-Behavioral Pediatrics	329,194	5,183 (1.6%)
2017	Private	Genetics	329,194	727 (0.2%)

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Year	Insurer	Specialty	Patients in Denominator	n (%)
2017	Private	Hospice and Palliative Medicine	329,194	74 (0.0%)
2017	Private	Medical Toxicology	329,194	<11 (<0.0%)
2017	Private	Neonatal-Perinatal Medicine	329,194	980 (0.3%)
2017	Private	Pediatric Cardiology	329,194	7,796 (2.4%)
2017	Private	Pediatric Critical Care Medicine	329,194	418 (0.1%)
2017	Private	Pediatric Emergency Medicine	329,194	22,442 (6.8%)
2017	Private	Pediatric Endocrinology	329,194	5,634 (1.7%)
2017	Private	Pediatric Gastroenterology	329,194	10,082 (3.1%)
2017	Private	Pediatric Hematology-Oncology	329,194	2,342 (0.7%)
2017	Private	Pediatric Infectious Diseases	329,194	1,245 (0.4%)
2017	Private	Pediatric Nephrology	329,194	1,196 (0.4%)
2017	Private	Pediatric Pulmonology	329,194	3,891 (1.2%)
2017	Private	Pediatric Rheumatology	329,194	1,217 (0.4%)
2017	Private	Pediatric Transplant Hepatology	329,194	53 (0.0%)
2017	Private	Rehabilitation	329,194	4,940 (1.5%)
2017	Private	Sleep Medicine	329,194	208 (0.1%)
2017	Private	Sports Medicine	329,194	2,355 (0.7%)
2017	Public	Adolescent Medicine	370,761	8,474 (2.3%)
2017	Public	Allergy and Immunology	370,761	9,304 (2.5%)
2017	Public	Child Abuse Pediatrics	370,761	508 (0.1%)
2017	Public	Child Neurology	370,761	11,527 (3.1%)
2017	Public	Dermatology	370,761	6,777 (1.8%)
2017	Public	Developmental-Behavioral Pediatrics	370,761	12,966 (3.5%)
2017	Public	Genetics	370,761	2,613 (0.7%)
2017	Public	Hospice and Palliative Medicine	370,761	289 (0.1%)
2017	Public	Medical Toxicology	370,761	219 (0.1%)
2017	Public	Neonatal-Perinatal Medicine	370,761	5,258 (1.4%)
2017	Public	Obesity	370,761	<11 (<0.0%)
2017	Public	Pediatric Cardiology	370,761	13,260 (3.6%)
2017	Public	Pediatric Critical Care Medicine	370,761	6,297 (1.7%)
2017	Public	Pediatric Emergency Medicine	370,761	90,516 (24.4%)
2017	Public	Pediatric Endocrinology	370,761	8,813 (2.4%)
2017	Public	Pediatric Gastroenterology	370,761	14,306 (3.9%)
2017	Public	Pediatric Hematology-Oncology	370,761	6,831 (1.8%)
2017	Public	Pediatric Infectious Diseases	370,761	3,050 (0.8%)
2017	Public	Pediatric Nephrology	370,761	3,115 (0.8%)
2017	Public	Pediatric Pulmonology	370,761	10,004 (2.7%)
2017	Public	Pediatric Rheumatology	370,761	2,205 (0.6%)
2017	Public	Pediatric Transplant Hepatology	370,761	266 (0.1%)
2017	Public	Rehabilitation	370,761	6,113 (1.6%)
2017	Public	Sleep Medicine	370,761	949 (0.3%)
2017	Public	Sports Medicine	370,761	2,330 (0.6%)
2017	Unknown/Self-Pay	Adolescent Medicine	40,104	1,149 (2.9%)
2017	Unknown/Self-Pay	Allergy and Immunology	40,104	1,330 (3.3%)
2017	Unknown/Self-Pay	Child Abuse Pediatrics	40,104	132 (0.3%)
2017	Unknown/Self-Pay	Child Neurology	40,104	1,255 (3.1%)
2017	Unknown/Self-Pay	Dermatology	40,104	555 (1.4%)

(continued)

Year	Insurer	Specialty	Patients in Denominator	n (%)
2017	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	40,104	1,109 (2.8%)
2017	Unknown/Self-Pay	Genetics	40,104	580 (1.4%)
2017	Unknown/Self-Pay	Hospice and Palliative Medicine	40,104	<11 (<0.0%)
2017	Unknown/Self-Pay	Medical Toxicology	40,104	<11 (<0.0%)
2017	Unknown/Self-Pay	Neonatal-Perinatal Medicine	40,104	688 (1.7%)
2017	Unknown/Self-Pay	Obesity	40,104	<11 (<0.0%)
2017	Unknown/Self-Pay	Pediatric Cardiology	40,104	1,540 (3.8%)
2017	Unknown/Self-Pay	Pediatric Critical Care Medicine	40,104	2,173 (5.4%)
2017	Unknown/Self-Pay	Pediatric Emergency Medicine	40,104	10,981 (27.4%)
2017	Unknown/Self-Pay	Pediatric Endocrinology	40,104	1,504 (3.8%)
2017	Unknown/Self-Pay	Pediatric Gastroenterology	40,104	3,713 (9.3%)
2017	Unknown/Self-Pay	Pediatric Hematology-Oncology	40,104	857 (2.1%)
2017	Unknown/Self-Pay	Pediatric Infectious Diseases	40,104	279 (0.7%)
2017	Unknown/Self-Pay	Pediatric Nephrology	40,104	512 (1.3%)
2017	Unknown/Self-Pay	Pediatric Pulmonology	40,104	1,224 (3.1%)
2017	Unknown/Self-Pay	Pediatric Rheumatology	40,104	254 (0.6%)
2017	Unknown/Self-Pay	Pediatric Transplant Hepatology	40,104	292 (0.7%)
2017	Unknown/Self-Pay	Rehabilitation	40,104	986 (2.5%)
2017	Unknown/Self-Pay	Sleep Medicine	40,104	136 (0.3%)
2017	Unknown/Self-Pay	Sports Medicine	40,104	484 (1.2%)
2018	Private	Adolescent Medicine	345,704	2,253 (0.7%)
2018	Private	Allergy and Immunology	345,704	7,858 (2.3%)
2018	Private	Child Abuse Pediatrics	345,704	<11 (<0.0%)
2018	Private	Child Neurology	345,704	7,082 (2.0%)
2018	Private	Dermatology	345,704	5,047 (1.5%)
2018	Private	Developmental-Behavioral Pediatrics	345,704	6,352 (1.8%)
2018	Private	Genetics	345,704	877 (0.3%)
2018	Private	Hospice and Palliative Medicine	345,704	96 (0.0%)
2018	Private	Medical Toxicology	345,704	12 (0.0%)
2018	Private	Neonatal-Perinatal Medicine	345,704	1,272 (0.4%)
2018	Private	Pediatric Cardiology	345,704	8,687 (2.5%)
2018	Private	Pediatric Critical Care Medicine	345,704	488 (0.1%)
2018	Private	Pediatric Emergency Medicine	345,704	25,199 (7.3%)
2018	Private	Pediatric Endocrinology	345,704	6,091 (1.8%)
2018	Private	Pediatric Gastroenterology	345,704	11,078 (3.2%)
2018	Private	Pediatric Hematology-Oncology	345,704	2,606 (0.8%)
2018	Private	Pediatric Infectious Diseases	345,704	1,060 (0.3%)
2018	Private	Pediatric Nephrology	345,704	1,248 (0.4%)
2018	Private	Pediatric Pulmonology	345,704	3,932 (1.1%)
2018	Private	Pediatric Rheumatology	345,704	1,343 (0.4%)
2018	Private	Pediatric Transplant Hepatology	345,704	90 (0.0%)
2018	Private	Rehabilitation	345,704	5,748 (1.7%)
2018	Private	Sleep Medicine	345,704	181 (0.1%)
2018	Private	Sports Medicine	345,704	3,130 (0.9%)
2018	Public	Adolescent Medicine	386,302	9,504 (2.5%)
2018	Public	Allergy and Immunology	386,302	9,621 (2.5%)
2018	Public	Child Abuse Pediatrics	386,302	548 (0.1%)
2018	Public	Child Neurology	386,302	12,590 (3.3%)

(continued)

Year	Insurer	Specialty	Patients in Denominator	n (%)
2018	Public	Dermatology	386,302	7,056 (1.8%)
2018	Public	Developmental-Behavioral Pediatrics	386,302	13,593 (3.5%)
2018	Public	Genetics	386,302	2,900 (0.8%)
2018	Public	Hospice and Palliative Medicine	386,302	316 (0.1%)
2018	Public	Medical Toxicology	386,302	268 (0.1%)
2018	Public	Neonatal-Perinatal Medicine	386,302	5,962 (1.5%)
2018	Public	Obesity	386,302	<11 (<0.0%)
2018	Public	Pediatric Cardiology	386,302	13,795 (3.6%)
2018	Public	Pediatric Critical Care Medicine	386,302	6,104 (1.6%)
2018	Public	Pediatric Emergency Medicine	386,302	90,352 (23.4%)
2018	Public	Pediatric Endocrinology	386,302	9,335 (2.4%)
2018	Public	Pediatric Gastroenterology	386,302	15,669 (4.1%)
2018	Public	Pediatric Hematology-Oncology	386,302	6,976 (1.8%)
2018	Public	Pediatric Infectious Diseases	386,302	3,545 (0.9%)
2018	Public	Pediatric Nephrology	386,302	3,227 (0.8%)
2018	Public	Pediatric Pulmonology	386,302	10,176 (2.6%)
2018	Public	Pediatric Rheumatology	386,302	2,164 (0.6%)
2018	Public	Pediatric Transplant Hepatology	386,302	308 (0.1%)
2018	Public	Rehabilitation	386,302	6,704 (1.7%)
2018	Public	Sleep Medicine	386,302	909 (0.2%)
2018	Public	Sports Medicine	386,302	2,229 (0.6%)
2018	Unknown/Self-Pay	Adolescent Medicine	40,585	643 (1.6%)
2018	Unknown/Self-Pay	Allergy and Immunology	40,585	1,299 (3.2%)
2018	Unknown/Self-Pay	Child Abuse Pediatrics	40,585	113 (0.3%)
2018	Unknown/Self-Pay	Child Neurology	40,585	1,274 (3.1%)
2018	Unknown/Self-Pay	Dermatology	40,585	458 (1.1%)
2018	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	40,585	1,100 (2.7%)
2018	Unknown/Self-Pay	Genetics	40,585	528 (1.3%)
2018	Unknown/Self-Pay	Hospice and Palliative Medicine	40,585	12 (0.0%)
2018	Unknown/Self-Pay	Medical Toxicology	40,585	<11 (<0.0%)
2018	Unknown/Self-Pay	Neonatal-Perinatal Medicine	40,585	977 (2.4%)
2018	Unknown/Self-Pay	Obesity	40,585	<11 (<0.0%)
2018	Unknown/Self-Pay	Pediatric Cardiology	40,585	1,450 (3.6%)
2018	Unknown/Self-Pay	Pediatric Critical Care Medicine	40,585	1,634 (4.0%)
2018	Unknown/Self-Pay	Pediatric Emergency Medicine	40,585	11,948 (29.4%)
2018	Unknown/Self-Pay	Pediatric Endocrinology	40,585	1,554 (3.8%)
2018	Unknown/Self-Pay	Pediatric Gastroenterology	40,585	3,602 (8.9%)
2018	Unknown/Self-Pay	Pediatric Hematology-Oncology	40,585	803 (2.0%)
2018	Unknown/Self-Pay	Pediatric Infectious Diseases	40,585	248 (0.6%)
2018	Unknown/Self-Pay	Pediatric Nephrology	40,585	434 (1.1%)
2018	Unknown/Self-Pay	Pediatric Pulmonology	40,585	1,277 (3.1%)
2018	Unknown/Self-Pay	Pediatric Rheumatology	40,585	348 (0.9%)
2018	Unknown/Self-Pay	Pediatric Transplant Hepatology	40,585	288 (0.7%)
2018	Unknown/Self-Pay	Rehabilitation	40,585	1,046 (2.6%)
2018	Unknown/Self-Pay	Sleep Medicine	40,585	76 (0.2%)
2018	Unknown/Self-Pay	Sports Medicine	40,585	407 (1.0%)
2019	Private	Adolescent Medicine	363,189	2,688 (0.7%)

(continued)

Year	Insurer	Specialty	Patients in Denominator	n (%)
2019	Private	Allergy and Immunology	363,189	8,855 (2.4%)
2019	Private	Child Abuse Pediatrics	363,189	13 (0.0%)
2019	Private	Child Neurology	363,189	7,606 (2.1%)
2019	Private	Dermatology	363,189	6,124 (1.7%)
2019	Private	Developmental-Behavioral Pediatrics	363,189	7,503 (2.1%)
2019	Private	Genetics	363,189	1,253 (0.3%)
2019	Private	Hospice and Palliative Medicine	363,189	79 (0.0%)
2019	Private	Medical Toxicology	363,189	13 (0.0%)
2019	Private	Neonatal-Perinatal Medicine	363,189	1,436 (0.4%)
2019	Private	Pediatric Cardiology	363,189	9,362 (2.6%)
2019	Private	Pediatric Critical Care Medicine	363,189	568 (0.2%)
2019	Private	Pediatric Emergency Medicine	363,189	30,162 (8.3%)
2019	Private	Pediatric Endocrinology	363,189	6,393 (1.8%)
2019	Private	Pediatric Gastroenterology	363,189	13,734 (3.8%)
2019	Private	Pediatric Hematology-Oncology	363,189	2,910 (0.8%)
2019	Private	Pediatric Infectious Diseases	363,189	806 (0.2%)
2019	Private	Pediatric Nephrology	363,189	1,396 (0.4%)
2019	Private	Pediatric Pulmonology	363,189	4,750 (1.3%)
2019	Private	Pediatric Rheumatology	363,189	1,462 (0.4%)
2019	Private	Pediatric Transplant Hepatology	363,189	64 (0.0%)
2019	Private	Rehabilitation	363,189	4,842 (1.3%)
2019	Private	Sleep Medicine	363,189	280 (0.1%)
2019	Private	Sports Medicine	363,189	3,338 (0.9%)
2019	Public	Adolescent Medicine	402,542	10,483 (2.6%)
2019	Public	Allergy and Immunology	402,542	9,823 (2.4%)
2019	Public	Child Abuse Pediatrics	402,542	561 (0.1%)
2019	Public	Child Neurology	402,542	12,461 (3.1%)
2019	Public	Dermatology	402,542	8,359 (2.1%)
2019	Public	Developmental-Behavioral Pediatrics	402,542	14,856 (3.7%)
2019	Public	Genetics	402,542	3,291 (0.8%)
2019	Public	Hospice and Palliative Medicine	402,542	317 (0.1%)
2019	Public	Medical Toxicology	402,542	131 (0.0%)
2019	Public	Neonatal-Perinatal Medicine	402,542	6,099 (1.5%)
2019	Public	Obesity	402,542	<11 (<0.0%)
2019	Public	Pediatric Cardiology	402,542	14,005 (3.5%)
2019	Public	Pediatric Critical Care Medicine	402,542	5,985 (1.5%)
2019	Public	Pediatric Emergency Medicine	402,542	95,706 (23.8%)
2019	Public	Pediatric Endocrinology	402,542	9,955 (2.5%)
2019	Public	Pediatric Gastroenterology	402,542	17,174 (4.3%)
2019	Public	Pediatric Hematology-Oncology	402,542	6,786 (1.7%)
2019	Public	Pediatric Infectious Diseases	402,542	3,532 (0.9%)
2019	Public	Pediatric Nephrology	402,542	3,264 (0.8%)
2019	Public	Pediatric Pulmonology	402,542	11,283 (2.8%)
2019	Public	Pediatric Rheumatology	402,542	2,433 (0.6%)
2019	Public	Pediatric Transplant Hepatology	402,542	244 (0.1%)
2019	Public	Rehabilitation	402,542	6,696 (1.7%)
2019	Public	Sleep Medicine	402,542	1,126 (0.3%)
2019	Public	Sports Medicine	402,542	2,033 (0.5%)

(continued)

Year	Insurer	Specialty	Patients in Denominator	n (%)
2019	Unknown/Self-Pay	Adolescent Medicine	49,824	956 (1.9%)
2019	Unknown/Self-Pay	Allergy and Immunology	49,824	1,618 (3.2%)
2019	Unknown/Self-Pay	Child Abuse Pediatrics	49,824	119 (0.2%)
2019	Unknown/Self-Pay	Child Neurology	49,824	2,207 (4.4%)
2019	Unknown/Self-Pay	Dermatology	49,824	765 (1.5%)
2019	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	49,824	1,595 (3.2%)
2019	Unknown/Self-Pay	Genetics	49,824	636 (1.3%)
2019	Unknown/Self-Pay	Hospice and Palliative Medicine	49,824	22 (0.0%)
2019	Unknown/Self-Pay	Neonatal-Perinatal Medicine	49,824	2,625 (5.3%)
2019	Unknown/Self-Pay	Pediatric Cardiology	49,824	2,165 (4.3%)
2019	Unknown/Self-Pay	Pediatric Critical Care Medicine	49,824	1,864 (3.7%)
2019	Unknown/Self-Pay	Pediatric Emergency Medicine	49,824	16,363 (32.8%)
2019	Unknown/Self-Pay	Pediatric Endocrinology	49,824	2,080 (4.2%)
2019	Unknown/Self-Pay	Pediatric Gastroenterology	49,824	4,891 (9.8%)
2019	Unknown/Self-Pay	Pediatric Hematology-Oncology	49,824	1,348 (2.7%)
2019	Unknown/Self-Pay	Pediatric Infectious Diseases	49,824	383 (0.8%)
2019	Unknown/Self-Pay	Pediatric Nephrology	49,824	586 (1.2%)
2019	Unknown/Self-Pay	Pediatric Pulmonology	49,824	1,625 (3.3%)
2019	Unknown/Self-Pay	Pediatric Rheumatology	49,824	1,282 (2.6%)
2019	Unknown/Self-Pay	Pediatric Transplant Hepatology	49,824	279 (0.6%)
2019	Unknown/Self-Pay	Rehabilitation	49,824	1,114 (2.2%)
2019	Unknown/Self-Pay	Sleep Medicine	49,824	91 (0.2%)
2019	Unknown/Self-Pay	Sports Medicine	49,824	425 (0.9%)
2020	Private	Adolescent Medicine	363,588	2,258 (0.6%)
2020	Private	Allergy and Immunology	363,588	7,274 (2.0%)
2020	Private	Child Abuse Pediatrics	363,588	<11 (<0.0%)
2020	Private	Child Neurology	363,588	5,938 (1.6%)
2020	Private	Dermatology	363,588	5,921 (1.6%)
2020	Private	Developmental-Behavioral Pediatrics	363,588	6,044 (1.7%)
2020	Private	Genetics	363,588	1,055 (0.3%)
2020	Private	Hospice and Palliative Medicine	363,588	78 (0.0%)
2020	Private	Medical Toxicology	363,588	<11 (<0.0%)
2020	Private	Neonatal-Perinatal Medicine	363,588	1,101 (0.3%)
2020	Private	Pediatric Cardiology	363,588	8,274 (2.3%)
2020	Private	Pediatric Critical Care Medicine	363,588	475 (0.1%)
2020	Private	Pediatric Emergency Medicine	363,588	23,392 (6.4%)
2020	Private	Pediatric Endocrinology	363,588	5,342 (1.5%)
2020	Private	Pediatric Gastroenterology	363,588	9,179 (2.5%)
2020	Private	Pediatric Hematology-Oncology	363,588	3,056 (0.8%)
2020	Private	Pediatric Infectious Diseases	363,588	476 (0.1%)
2020	Private	Pediatric Nephrology	363,588	1,150 (0.3%)
2020	Private	Pediatric Pulmonology	363,588	3,526 (1.0%)
2020	Private	Pediatric Rheumatology	363,588	1,311 (0.4%)
2020	Private	Pediatric Transplant Hepatology	363,588	24 (0.0%)
2020	Private	Rehabilitation	363,588	3,230 (0.9%)
2020	Private	Sleep Medicine	363,588	230 (0.1%)
2020	Private	Sports Medicine	363,588	2,624 (0.7%)

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Year	Insurer	Specialty	Patients in Denominator	n (%)
2020	Public	Adolescent Medicine	401,447	8,923 (2.2%)
2020	Public	Allergy and Immunology	401,447	7,380 (1.8%)
2020	Public	Child Abuse Pediatrics	401,447	358 (0.1%)
2020	Public	Child Neurology	401,447	9,991 (2.5%)
2020	Public	Dermatology	401,447	7,341 (1.8%)
2020	Public	Developmental-Behavioral Pediatrics	401,447	12,357 (3.1%)
2020	Public	Genetics	401,447	2,501 (0.6%)
2020	Public	Hospice and Palliative Medicine	401,447	252 (0.1%)
2020	Public	Medical Toxicology	401,447	63 (0.0%)
2020	Public	Neonatal-Perinatal Medicine	401,447	4,450 (1.1%)
2020	Public	Obesity	401,447	<11 (<0.0%)
2020	Public	Pediatric Cardiology	401,447	12,404 (3.1%)
2020	Public	Pediatric Critical Care Medicine	401,447	3,384 (0.8%)
2020	Public	Pediatric Emergency Medicine	401,447	69,241 (17.2%)
2020	Public	Pediatric Endocrinology	401,447	8,995 (2.2%)
2020	Public	Pediatric Gastroenterology	401,447	13,275 (3.3%)
2020	Public	Pediatric Hematology-Oncology	401,447	5,642 (1.4%)
2020	Public	Pediatric Infectious Diseases	401,447	1,965 (0.5%)
2020	Public	Pediatric Nephrology	401,447	2,757 (0.7%)
2020	Public	Pediatric Pulmonology	401,447	8,679 (2.2%)
2020	Public	Pediatric Rheumatology	401,447	2,059 (0.5%)
2020	Public	Pediatric Transplant Hepatology	401,447	156 (0.0%)
2020	Public	Rehabilitation	401,447	5,033 (1.3%)
2020	Public	Sleep Medicine	401,447	762 (0.2%)
2020	Public	Sports Medicine	401,447	1,644 (0.4%)
2020	Unknown/Self-Pay	Adolescent Medicine	55,644	968 (1.7%)
2020	Unknown/Self-Pay	Allergy and Immunology	55,644	1,120 (2.0%)
2020	Unknown/Self-Pay	Child Abuse Pediatrics	55,644	97 (0.2%)
2020	Unknown/Self-Pay	Child Neurology	55,644	2,357 (4.2%)
2020	Unknown/Self-Pay	Dermatology	55,644	1,018 (1.8%)
2020	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	55,644	1,910 (3.4%)
2020	Unknown/Self-Pay	Genetics	55,644	674 (1.2%)
2020	Unknown/Self-Pay	Hospice and Palliative Medicine	55,644	14 (0.0%)
2020	Unknown/Self-Pay	Neonatal-Perinatal Medicine	55,644	2,142 (3.8%)
2020	Unknown/Self-Pay	Pediatric Cardiology	55,644	2,316 (4.2%)
2020	Unknown/Self-Pay	Pediatric Critical Care Medicine	55,644	953 (1.7%)
2020	Unknown/Self-Pay	Pediatric Emergency Medicine	55,644	13,194 (23.7%)
2020	Unknown/Self-Pay	Pediatric Endocrinology	55,644	2,162 (3.9%)
2020	Unknown/Self-Pay	Pediatric Gastroenterology	55,644	4,437 (8.0%)
2020	Unknown/Self-Pay	Pediatric Hematology-Oncology	55,644	1,332 (2.4%)
2020	Unknown/Self-Pay	Pediatric Infectious Diseases	55,644	332 (0.6%)
2020	Unknown/Self-Pay	Pediatric Nephrology	55,644	543 (1.0%)
2020	Unknown/Self-Pay	Pediatric Pulmonology	55,644	1,418 (2.5%)
2020	Unknown/Self-Pay	Pediatric Rheumatology	55,644	1,320 (2.4%)
2020	Unknown/Self-Pay	Pediatric Transplant Hepatology	55,644	206 (0.4%)
2020	Unknown/Self-Pay	Rehabilitation	55,644	950 (1.7%)
2020	Unknown/Self-Pay	Sleep Medicine	55,644	80 (0.1%)
2020	Unknown/Self-Pay	Sports Medicine	55,644	359 (0.6%)

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Year	Insurer	Specialty	Patients in Denominator	n (%)
2021	Private	Adolescent Medicine	376,717	2,875 (0.8%)
2021	Private	Allergy and Immunology	376,717	8,874 (2.4%)
2021	Private	Child Abuse Pediatrics	376,717	12 (0.0%)
2021	Private	Child Neurology	376,717	7,087 (1.9%)
2021	Private	Dermatology	376,717	6,545 (1.7%)
2021	Private	Developmental-Behavioral Pediatrics	376,717	7,553 (2.0%)
2021	Private	Genetics	376,717	1,346 (0.4%)
2021	Private	Hospice and Palliative Medicine	376,717	114 (0.0%)
2021	Private	Medical Toxicology	376,717	<11 (<0.0%)
2021	Private	Neonatal-Perinatal Medicine	376,717	1,398 (0.4%)
2021	Private	Pediatric Cardiology	376,717	10,300 (2.7%)
2021	Private	Pediatric Critical Care Medicine	376,717	481 (0.1%)
2021	Private	Pediatric Emergency Medicine	376,717	30,654 (8.1%)
2021	Private	Pediatric Endocrinology	376,717	6,468 (1.7%)
2021	Private	Pediatric Gastroenterology	376,717	11,401 (3.0%)
2021	Private	Pediatric Hematology-Oncology	376,717	3,608 (1.0%)
2021	Private	Pediatric Infectious Diseases	376,717	704 (0.2%)
2021	Private	Pediatric Nephrology	376,717	5,786 (1.5%)
2021	Private	Pediatric Pulmonology	376,717	4,288 (1.1%)
2021	Private	Pediatric Rheumatology	376,717	1,852 (0.5%)
2021	Private	Pediatric Transplant Hepatology	376,717	26 (0.0%)
2021	Private	Rehabilitation	376,717	2,323 (0.6%)
2021	Private	Sleep Medicine	376,717	230 (0.1%)
2021	Private	Sports Medicine	376,717	3,779 (1.0%)
2021	Public	Adolescent Medicine	412,690	10,835 (2.6%)
2021	Public	Allergy and Immunology	412,690	8,558 (2.1%)
2021	Public	Child Abuse Pediatrics	412,690	333 (0.1%)
2021	Public	Child Neurology	412,690	10,946 (2.7%)
2021	Public	Dermatology	412,690	7,701 (1.9%)
2021	Public	Developmental-Behavioral Pediatrics	412,690	14,444 (3.5%)
2021	Public	Genetics	412,690	2,724 (0.7%)
2021	Public	Hospice and Palliative Medicine	412,690	225 (0.1%)
2021	Public	Medical Toxicology	412,690	102 (0.0%)
2021	Public	Neonatal-Perinatal Medicine	412,690	4,447 (1.1%)
2021	Public	Obesity	412,690	<11 (<0.0%)
2021	Public	Pediatric Cardiology	412,690	14,298 (3.5%)
2021	Public	Pediatric Critical Care Medicine	412,690	3,359 (0.8%)
2021	Public	Pediatric Emergency Medicine	412,690	85,449 (20.7%)
2021	Public	Pediatric Endocrinology	412,690	10,191 (2.5%)
2021	Public	Pediatric Gastroenterology	412,690	15,788 (3.8%)
2021	Public	Pediatric Hematology-Oncology	412,690	5,849 (1.4%)
2021	Public	Pediatric Infectious Diseases	412,690	2,062 (0.5%)
2021	Public	Pediatric Nephrology	412,690	4,558 (1.1%)
2021	Public	Pediatric Pulmonology	412,690	10,238 (2.5%)
2021	Public	Pediatric Rheumatology	412,690	1,912 (0.5%)
2021	Public	Pediatric Transplant Hepatology	412,690	153 (0.0%)
2021	Public	Rehabilitation	412,690	5,440 (1.3%)

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Year	Insurer	Specialty	Patients in Denominator	n (%)
2021	Public	Sleep Medicine	412,690	903 (0.2%)
2021	Public	Sports Medicine	412,690	2,410 (0.6%)
2021	Unknown/Self-Pay	Adolescent Medicine	69,144	1,076 (1.6%)
2021	Unknown/Self-Pay	Allergy and Immunology	69,144	1,454 (2.1%)
2021	Unknown/Self-Pay	Child Abuse Pediatrics	69,144	98 (0.1%)
2021	Unknown/Self-Pay	Child Neurology	69,144	2,828 (4.1%)
2021	Unknown/Self-Pay	Dermatology	69,144	1,028 (1.5%)
2021	Unknown/Self-Pay	Developmental-Behavioral Pediatrics	69,144	2,547 (3.7%)
2021	Unknown/Self-Pay	Genetics	69,144	849 (1.2%)
2021	Unknown/Self-Pay	Hospice and Palliative Medicine	69,144	24 (0.0%)
2021	Unknown/Self-Pay	Neonatal-Perinatal Medicine	69,144	2,771 (4.0%)
2021	Unknown/Self-Pay	Pediatric Cardiology	69,144	3,097 (4.5%)
2021	Unknown/Self-Pay	Pediatric Critical Care Medicine	69,144	1,380 (2.0%)
2021	Unknown/Self-Pay	Pediatric Emergency Medicine	69,144	17,767 (25.7%)
2021	Unknown/Self-Pay	Pediatric Endocrinology	69,144	2,493 (3.6%)
2021	Unknown/Self-Pay	Pediatric Gastroenterology	69,144	5,516 (8.0%)
2021	Unknown/Self-Pay	Pediatric Hematology-Oncology	69,144	1,524 (2.2%)
2021	Unknown/Self-Pay	Pediatric Infectious Diseases	69,144	396 (0.6%)
2021	Unknown/Self-Pay	Pediatric Nephrology	69,144	743 (1.1%)
2021	Unknown/Self-Pay	Pediatric Pulmonology	69,144	1,770 (2.6%)
2021	Unknown/Self-Pay	Pediatric Rheumatology	69,144	759 (1.1%)
2021	Unknown/Self-Pay	Pediatric Transplant Hepatology	69,144	308 (0.4%)
2021	Unknown/Self-Pay	Rehabilitation	69,144	1,668 (2.4%)
2021	Unknown/Self-Pay	Sleep Medicine	69,144	60 (0.1%)
2021	Unknown/Self-Pay	Sports Medicine	69,144	614 (0.9%)

Denominator is all patients with generalist outpatient visit in that year or prior (or overall) and who were members of that insurer group

Numerator is all patients in denominator who also had at least one specialist outpatient, inpatient or emergency visit in that year and in that subspecialty

Table 8: Top 10 primary/first position SNOMED codes (with count of events) per pediatric medical subspecialty overall and by insurer based on outpatient visits.

Codes relating to immunization status, encounter/followup status, and well child visits are dropped.

Insurer	Specialty	Denom	Rank	Diagnosis (n)
Overall	Adolescent Medicine	67,621	1	Venereal disease screening (8,916)
Overall	Adolescent Medicine	67,621	2	Contraception care management (5,326)
Overall	Adolescent Medicine	67,621	3	Increased body mass index (4,597)
Overall	Adolescent Medicine	67,621	4	Dysmenorrhea (4,537)
Overall	Adolescent Medicine	67,621	5	Contraception (4,171)
Overall	Adolescent Medicine	67,621	6	Acute upper respiratory infection (4,043)
Overall	Adolescent Medicine	67,621	7	Contraception care education (3,915)
Overall	Adolescent Medicine	67,621	8	Childhood obesity (3,822)
Overall	Adolescent Medicine	67,621	9	Obesity (3,641)
Overall	Adolescent Medicine	67,621	10	Obese (3,001)
Private	Adolescent Medicine	11,583	1	Venereal disease screening (1,722)
Private	Adolescent Medicine	11,583	2	Dysmenorrhea (1,391)
Private	Adolescent Medicine	11,583	3	Contraception care management (1,230)
Private	Adolescent Medicine	11,583	4	Pregnancy detection examination (820)
Private	Adolescent Medicine	11,583	5	Undernutrition (747)
Private	Adolescent Medicine	11,583	6	Oral contraception (702)
Private	Adolescent Medicine	11,583	7	Irregular periods (634)
Private	Adolescent Medicine	11,583	8	Contraception care education (628)
Private	Adolescent Medicine	11,583	9	Deficiency of macronutrients (561)
Private	Adolescent Medicine	11,583	10	Abnormal uterine bleeding (560)
Public	Adolescent Medicine	49,132	1	Venereal disease screening (5,972)
Public	Adolescent Medicine	49,132	2	Increased body mass index (3,670)
Public	Adolescent Medicine	49,132	3	Contraception care management (3,570)
Public	Adolescent Medicine	49,132	4	Acute upper respiratory infection (3,469)
Public	Adolescent Medicine	49,132	5	Contraception (3,031)
Public	Adolescent Medicine	49,132	6	Childhood obesity (3,017)
Public	Adolescent Medicine	49,132	7	Obesity (2,964)
Public	Adolescent Medicine	49,132	8	Dysmenorrhea (2,739)
Public	Adolescent Medicine	49,132	9	Contraception care education (2,736)
Public	Adolescent Medicine	49,132	10	Obese (2,455)
Unknown/Self-Pay	Adolescent Medicine	6,906	1	Venereal disease screening (1,222)
Unknown/Self-Pay	Adolescent Medicine	6,906	2	General examination of patient (910)
Unknown/Self-Pay	Adolescent Medicine	6,906	3	Contraception (600)
Unknown/Self-Pay	Adolescent Medicine	6,906	4	Contraception care education (551)
Unknown/Self-Pay	Adolescent Medicine	6,906	5	Contraception care management (526)
Unknown/Self-Pay	Adolescent Medicine	6,906	6	Allergic rhinitis (508)
Unknown/Self-Pay	Adolescent Medicine	6,906	7	Diet education (482)
Unknown/Self-Pay	Adolescent Medicine	6,906	8	Dietary management education, guidance, and counseling (458)
Unknown/Self-Pay	Adolescent Medicine	6,906	9	Special examination status (416)
Unknown/Self-Pay	Adolescent Medicine	6,906	10	History and physical examination, sports participation (416)
Overall	Allergy and Immunology	98,490	1	Allergic rhinitis (22,679)
Overall	Allergy and Immunology	98,490	2	Allergy to food (17,200)
Overall	Allergy and Immunology	98,490	3	Allergic rhinitis due to pollen (15,095)
Overall	Allergy and Immunology	98,490	4	Chronic rhinitis (14,649)
Overall	Allergy and Immunology	98,490	5	Ingestion dermatitis due to food (12,703)
Overall	Allergy and Immunology	98,490	6	Atopic dermatitis (12,570)
Overall	Allergy and Immunology	98,490	7	Eczema (11,622)
Overall	Allergy and Immunology	98,490	8	Mild intermittent asthma (11,478)
Overall	Allergy and Immunology	98,490	9	Adverse reaction to food (10,660)
Overall	Allergy and Immunology	98,490	10	Uncomplicated mild persistent asthma (8,490)
Private	Allergy and Immunology	37,852	1	Allergic rhinitis (8,589)
Private	Allergy and Immunology	37,852	2	Allergy to food (7,761)
Private	Allergy and Immunology	37,852	3	Ingestion dermatitis due to food (6,726)
Private	Allergy and Immunology	37,852	4	Allergic rhinitis due to pollen (6,602)

(continued)

Insurer	Specialty	Denom	Rank	Diagnosis (n)
Private	Allergy and Immunology	37,852	5	Atopic dermatitis (5,241)
Private	Allergy and Immunology	37,852	6	Chronic rhinitis (5,216)
Private	Allergy and Immunology	37,852	7	Mild intermittent asthma (5,196)
Private	Allergy and Immunology	37,852	8	Adverse reaction to food (4,826)
Private	Allergy and Immunology	37,852	9	Eczema (4,113)
Private	Allergy and Immunology	37,852	10	Cough (3,313)
Public	Allergy and Immunology	51,905	1	Allergic rhinitis (12,796)
Public	Allergy and Immunology	51,905	2	Chronic rhinitis (8,713)
Public	Allergy and Immunology	51,905	3	Allergy to food (8,194)
Public	Allergy and Immunology	51,905	4	Allergic rhinitis due to pollen (7,883)
Public	Allergy and Immunology	51,905	5	Atopic dermatitis (6,759)
Public	Allergy and Immunology	51,905	6	Eczema (6,680)
Public	Allergy and Immunology	51,905	7	Mild intermittent asthma (5,827)
Public	Allergy and Immunology	51,905	8	Ingestion dermatitis due to food (5,651)
Public	Allergy and Immunology	51,905	9	Adverse reaction to food (5,047)
Public	Allergy and Immunology	51,905	10	Uncomplicated mild persistent asthma (4,832)
Unknown/Self-Pay	Allergy and Immunology	8,733	1	Allergic rhinitis (1,294)
Unknown/Self-Pay	Allergy and Immunology	8,733	2	Allergy to food (1,245)
Unknown/Self-Pay	Allergy and Immunology	8,733	3	Eczema (829)
Unknown/Self-Pay	Allergy and Immunology	8,733	4	Adverse reaction to food (787)
Unknown/Self-Pay	Allergy and Immunology	8,733	5	Chronic rhinitis (720)
Unknown/Self-Pay	Allergy and Immunology	8,733	6	Allergic rhinitis due to pollen (610)
Unknown/Self-Pay	Allergy and Immunology	8,733	7	Atopic dermatitis (570)
Unknown/Self-Pay	Allergy and Immunology	8,733	8	IgE-mediated allergic asthma (467)
Unknown/Self-Pay	Allergy and Immunology	8,733	9	Mild intermittent asthma (455)
Unknown/Self-Pay	Allergy and Immunology	8,733	10	Uncomplicated mild persistent asthma (427)
Overall	Child Abuse Pediatrics	5,140	1	Child sex abuse (1,163)
Overall	Child Abuse Pediatrics	5,140	2	Child in foster care (1,005)
Overall	Child Abuse Pediatrics	5,140	3	Suspected victim of child sexual abuse (812)
Overall	Child Abuse Pediatrics	5,140	4	Victim of child abuse (764)
Overall	Child Abuse Pediatrics	5,140	5	Evaluation procedure (754)
Overall	Child Abuse Pediatrics	5,140	6	Child in welfare custody (632)
Overall	Child Abuse Pediatrics	5,140	7	Suspected victim of child abuse (417)
Overall	Child Abuse Pediatrics	5,140	8	Fostered (364)
Overall	Child Abuse Pediatrics	5,140	9	Physical child abuse (265)
Overall	Child Abuse Pediatrics	5,140	10	Acute upper respiratory infection (206)
Private	Child Abuse Pediatrics	96	1	Child sex abuse (21)
Private	Child Abuse Pediatrics	96	2	Suspected victim of child sexual abuse (15)
Private	Child Abuse Pediatrics	96	3	Victim of child abuse (<11)
Private	Child Abuse Pediatrics	96	4	Suspected victim of child abuse (<11)
Private	Child Abuse Pediatrics	96	5	Evaluation procedure (<11)
Private	Child Abuse Pediatrics	96	6	Infection screening (<11)
Private	Child Abuse Pediatrics	96	7	Obesity (<11)
Private	Child Abuse Pediatrics	96	8	Obese (<11)
Private	Child Abuse Pediatrics	96	9	Child in foster care (<11)
Private	Child Abuse Pediatrics	96	10	Eczema (<11)
Public	Child Abuse Pediatrics	4,051	1	Child in foster care (975)
Public	Child Abuse Pediatrics	4,051	2	Child sex abuse (957)
Public	Child Abuse Pediatrics	4,051	3	Victim of child abuse (622)
Public	Child Abuse Pediatrics	4,051	4	Child in welfare custody (612)
Public	Child Abuse Pediatrics	4,051	5	Evaluation procedure (516)
Public	Child Abuse Pediatrics	4,051	6	Suspected victim of child sexual abuse (473)
Public	Child Abuse Pediatrics	4,051	7	Fostered (351)
Public	Child Abuse Pediatrics	4,051	8	Suspected victim of child abuse (314)
Public	Child Abuse Pediatrics	4,051	9	Physical child abuse (207)
Public	Child Abuse Pediatrics	4,051	10	Acute upper respiratory infection (200)
Unknown/Self-Pay	Child Abuse Pediatrics	993	1	Suspected victim of child sexual abuse (324)
Unknown/Self-Pay	Child Abuse Pediatrics	993	2	Evaluation procedure (230)
Unknown/Self-Pay	Child Abuse Pediatrics	993	3	Child sex abuse (185)
Unknown/Self-Pay	Child Abuse Pediatrics	993	4	Victim of child abuse (132)
Unknown/Self-Pay	Child Abuse Pediatrics	993	5	Suspected victim of child abuse (94)
Unknown/Self-Pay	Child Abuse Pediatrics	993	6	Physical child abuse (55)

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Insurer	Specialty	Denom	Rank	Diagnosis (n)
Unknown/Self-Pay	Child Abuse Pediatrics	993	7	Adjustment disorder (55)
Unknown/Self-Pay	Child Abuse Pediatrics	993	8	Finding reported by subject or history provider (34)
Unknown/Self-Pay	Child Abuse Pediatrics	993	9	Complaint (34)
Unknown/Self-Pay	Child Abuse Pediatrics	993	10	Examination for alleged rape done (26)
Overall	Child Neurology	103,768	1	Seizure (10,951)
Overall	Child Neurology	103,768	2	Developmental delay (7,331)
Overall	Child Neurology	103,768	3	Migraine without aura, not refractory (7,102)
Overall	Child Neurology	103,768	4	Headache (6,423)
Overall	Child Neurology	103,768	5	Partial epilepsy with impairment of consciousness (4,641)
Overall	Child Neurology	103,768	6	Poor muscle tone (4,548)
Overall	Child Neurology	103,768	7	Epilepsy (4,229)
Overall	Child Neurology	103,768	8	Epilepsy, not refractory (4,056)
Overall	Child Neurology	103,768	9	Autism spectrum disorder (3,960)
Overall	Child Neurology	103,768	10	Transient altered mental status (3,782)
Private	Child Neurology	38,204	1	Seizure (3,234)
Private	Child Neurology	38,204	2	Migraine without aura, not refractory (3,136)
Private	Child Neurology	38,204	3	Headache (2,805)
Private	Child Neurology	38,204	4	Migraine with aura (1,895)
Private	Child Neurology	38,204	5	Developmental delay (1,580)
Private	Child Neurology	38,204	6	Poor muscle tone (1,541)
Private	Child Neurology	38,204	7	Anxiety (1,422)
Private	Child Neurology	38,204	8	Status migrainosus (1,328)
Private	Child Neurology	38,204	9	Transient altered mental status (1,277)
Private	Child Neurology	38,204	10	Partial epilepsy with impairment of consciousness (1,222)
Public	Child Neurology	55,714	1	Seizure (6,784)
Public	Child Neurology	55,714	2	Developmental delay (5,225)
Public	Child Neurology	55,714	3	Migraine without aura, not refractory (3,533)
Public	Child Neurology	55,714	4	Headache (3,192)
Public	Child Neurology	55,714	5	Partial epilepsy with impairment of consciousness (3,045)
Public	Child Neurology	55,714	6	Epilepsy (2,866)
Public	Child Neurology	55,714	7	Autism spectrum disorder (2,643)
Public	Child Neurology	55,714	8	Epilepsy, not refractory (2,628)
Public	Child Neurology	55,714	9	Autistic disorder (2,588)
Public	Child Neurology	55,714	10	Poor muscle tone (2,556)
Unknown/Self-Pay	Child Neurology	9,850	1	Seizure (933)
Unknown/Self-Pay	Child Neurology	9,850	2	Refractory migraine without aura (774)
Unknown/Self-Pay	Child Neurology	9,850	3	Developmental delay (526)
Unknown/Self-Pay	Child Neurology	9,850	4	Poor muscle tone (451)
Unknown/Self-Pay	Child Neurology	9,850	5	Migraine without aura, not refractory (433)
Unknown/Self-Pay	Child Neurology	9,850	6	Headache (426)
Unknown/Self-Pay	Child Neurology	9,850	7	Global developmental delay (410)
Unknown/Self-Pay	Child Neurology	9,850	8	Epilepsy, not refractory (400)
Unknown/Self-Pay	Child Neurology	9,850	9	Localization-related epilepsy (388)
Unknown/Self-Pay	Child Neurology	9,850	10	Partial epilepsy with impairment of consciousness (374)
Overall	Dermatology	78,395	1	Atopic dermatitis (12,464)
Overall	Dermatology	78,395	2	Eczema (7,314)
Overall	Dermatology	78,395	3	Inflammatory dermatosis (6,784)
Overall	Dermatology	78,395	4	Verruca vulgaris (6,006)
Overall	Dermatology	78,395	5	Acne (5,808)
Overall	Dermatology	78,395	6	Molluscum contagiosum infection (4,763)
Overall	Dermatology	78,395	7	Molluscum contagiosum skin infection (4,692)
Overall	Dermatology	78,395	8	Seborrheic dermatitis (4,513)
Overall	Dermatology	78,395	9	Asteatosis cutis (3,941)
Overall	Dermatology	78,395	10	Keratosis pilaris (3,397)
Private	Dermatology	30,102	1	Atopic dermatitis (4,608)
Private	Dermatology	30,102	2	Molluscum contagiosum infection (2,199)
Private	Dermatology	30,102	3	Acne (2,181)
Private	Dermatology	30,102	4	Molluscum contagiosum skin infection (2,175)

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Insurer	Specialty	Denom	Rank	Diagnosis (n)
Private	Dermatology	30,102	5	Inflammatory dermatosis (2,156)
Private	Dermatology	30,102	6	Verruca vulgaris (2,125)
Private	Dermatology	30,102	7	Eczema (1,775)
Private	Dermatology	30,102	8	Seborrheic dermatitis (1,712)
Private	Dermatology	30,102	9	Asteatosis cutis (1,654)
Private	Dermatology	30,102	10	Keratosis pilaris (1,524)
Public	Dermatology	43,264	1	Atopic dermatitis (7,055)
Public	Dermatology	43,264	2	Eczema (4,896)
Public	Dermatology	43,264	3	Inflammatory dermatosis (4,124)
Public	Dermatology	43,264	4	Verruca vulgaris (3,461)
Public	Dermatology	43,264	5	Acne (3,265)
Public	Dermatology	43,264	6	Seborrheic dermatitis (2,543)
Public	Dermatology	43,264	7	Contact dermatitis (2,347)
Public	Dermatology	43,264	8	Molluscum contagiosum infection (2,289)
Public	Dermatology	43,264	9	Molluscum contagiosum skin infection (2,266)
Public	Dermatology	43,264	10	Asteatosis cutis (1,988)
Unknown/Self-Pay	Dermatology	5,029	1	Atopic dermatitis (801)
Unknown/Self-Pay	Dermatology	5,029	2	Eczema (643)
Unknown/Self-Pay	Dermatology	5,029	3	Inflammatory dermatosis (504)
Unknown/Self-Pay	Dermatology	5,029	4	Verruca vulgaris (420)
Unknown/Self-Pay	Dermatology	5,029	5	Contact dermatitis (419)
Unknown/Self-Pay	Dermatology	5,029	6	Acne (362)
Unknown/Self-Pay	Dermatology	5,029	7	Acne vulgaris (347)
Unknown/Self-Pay	Dermatology	5,029	8	Disorder of pigmentation (300)
Unknown/Self-Pay	Dermatology	5,029	9	Asteatosis cutis (299)
Unknown/Self-Pay	Dermatology	5,029	10	Molluscum contagiosum infection (275)
Overall	Developmental-Behavioral Pediatrics	104,483	1	Autism spectrum disorder (13,405)
Overall	Developmental-Behavioral Pediatrics	104,483	2	Mixed receptive-expressive language disorder (11,288)
Overall	Developmental-Behavioral Pediatrics	104,483	3	Developmental delay (10,935)
Overall	Developmental-Behavioral Pediatrics	104,483	4	Attention deficit hyperactivity disorder, combined type (9,441)
Overall	Developmental-Behavioral Pediatrics	104,483	5	Autistic disorder (8,030)
Overall	Developmental-Behavioral Pediatrics	104,483	6	Feeding problem (7,088)
Overall	Developmental-Behavioral Pediatrics	104,483	7	Attention deficit hyperactivity disorder (6,162)
Overall	Developmental-Behavioral Pediatrics	104,483	8	Delayed milestone (5,811)
Overall	Developmental-Behavioral Pediatrics	104,483	9	Global developmental delay (5,620)
Overall	Developmental-Behavioral Pediatrics	104,483	10	Disorder of speech and language development (4,431)
Private	Developmental-Behavioral Pediatrics	31,910	1	Autism spectrum disorder (3,014)
Private	Developmental-Behavioral Pediatrics	31,910	2	Attention deficit hyperactivity disorder, combined type (2,748)
Private	Developmental-Behavioral Pediatrics	31,910	3	Mixed receptive-expressive language disorder (2,047)
Private	Developmental-Behavioral Pediatrics	31,910	4	Developmental delay (1,910)
Private	Developmental-Behavioral Pediatrics	31,910	5	Feeding problem (1,852)
Private	Developmental-Behavioral Pediatrics	31,910	6	Anxiety disorder (1,759)
Private	Developmental-Behavioral Pediatrics	31,910	7	Delayed milestone (1,666)
Private	Developmental-Behavioral Pediatrics	31,910	8	Generalized anxiety disorder (1,658)
Private	Developmental-Behavioral Pediatrics	31,910	9	Attention deficit hyperactivity disorder (1,448)
Private	Developmental-Behavioral Pediatrics	31,910	10	Anxiety (1,416)
Public	Developmental-Behavioral Pediatrics	63,954	1	Autism spectrum disorder (9,167)
Public	Developmental-Behavioral Pediatrics	63,954	2	Developmental delay (7,941)
Public	Developmental-Behavioral Pediatrics	63,954	3	Mixed receptive-expressive language disorder (7,852)
Public	Developmental-Behavioral Pediatrics	63,954	4	Autistic disorder (5,745)
Public	Developmental-Behavioral Pediatrics	63,954	5	Attention deficit hyperactivity disorder, combined type (5,713)
Public	Developmental-Behavioral Pediatrics	63,954	6	Feeding problem (4,721)
Public	Developmental-Behavioral Pediatrics	63,954	7	Attention deficit hyperactivity disorder (4,087)
Public	Developmental-Behavioral Pediatrics	63,954	8	Delayed milestone (3,997)
Public	Developmental-Behavioral Pediatrics	63,954	9	Global developmental delay (3,949)

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Insurer	Specialty	Denom	Rank	Diagnosis (n)
Public	Developmental-Behavioral Pediatrics	63,954	10	Disorder of speech and language development (3,057)
Unknown/Self-Pay	Developmental-Behavioral Pediatrics	8,619	1	Mixed receptive-expressive language disorder (1,389)
Unknown/Self-Pay	Developmental-Behavioral Pediatrics	8,619	2	Autism spectrum disorder (1,224)
Unknown/Self-Pay	Developmental-Behavioral Pediatrics	8,619	3	Developmental delay (1,084)
Unknown/Self-Pay	Developmental-Behavioral Pediatrics	8,619	4	Attention deficit hyperactivity disorder, combined type (980)
Unknown/Self-Pay	Developmental-Behavioral Pediatrics	8,619	5	Autistic disorder (930)
Unknown/Self-Pay	Developmental-Behavioral Pediatrics	8,619	6	Global developmental delay (823)
Unknown/Self-Pay	Developmental-Behavioral Pediatrics	8,619	7	Disorder of psychological development (714)
Unknown/Self-Pay	Developmental-Behavioral Pediatrics	8,619	8	Attention deficit hyperactivity disorder (627)
Unknown/Self-Pay	Developmental-Behavioral Pediatrics	8,619	9	Disorder of speech and language development (608)
Unknown/Self-Pay	Developmental-Behavioral Pediatrics	8,619	10	Disturbance in sleep behavior (550)
Overall	Genetics	28,079	1	Developmental delay (3,112)
Overall	Genetics	28,079	2	Autism spectrum disorder (1,544)
Overall	Genetics	28,079	3	Poor muscle tone (1,418)
Overall	Genetics	28,079	4	Global developmental delay (1,410)
Overall	Genetics	28,079	5	Autistic disorder (1,226)
Overall	Genetics	28,079	6	Delayed milestone (1,156)
Overall	Genetics	28,079	7	Speech delay (947)
Overall	Genetics	28,079	8	Pediatric failure to thrive (924)
Overall	Genetics	28,079	9	General finding of height (917)
Overall	Genetics	28,079	10	Feeding problem (906)
Private	Genetics	6,626	1	Developmental delay (495)
Private	Genetics	6,626	2	Poor muscle tone (325)
Private	Genetics	6,626	3	Autism spectrum disorder (295)
Private	Genetics	6,626	4	Delayed milestone (228)
Private	Genetics	6,626	5	General finding of height (209)
Private	Genetics	6,626	6	Café au lait spots (191)
Private	Genetics	6,626	7	Speech delay (182)
Private	Genetics	6,626	8	Autistic disorder (177)
Private	Genetics	6,626	9	Feeding problem (176)
Private	Genetics	6,626	10	Global developmental delay (169)
Public	Genetics	17,471	1	Developmental delay (2,343)
Public	Genetics	17,471	2	Autism spectrum disorder (1,173)
Public	Genetics	17,471	3	Global developmental delay (1,031)
Public	Genetics	17,471	4	Poor muscle tone (968)
Public	Genetics	17,471	5	Autistic disorder (952)
Public	Genetics	17,471	6	Delayed milestone (887)
Public	Genetics	17,471	7	Speech delay (692)
Public	Genetics	17,471	8	Small head (682)
Public	Genetics	17,471	9	Delay in physiological development (681)
Public	Genetics	17,471	10	Pediatric failure to thrive (667)
Unknown/Self-Pay	Genetics	3,982	1	Developmental delay (274)
Unknown/Self-Pay	Genetics	3,982	2	Global developmental delay (210)
Unknown/Self-Pay	Genetics	3,982	3	Disorder of psychological development (142)
Unknown/Self-Pay	Genetics	3,982	4	Refractory migraine without aura (136)
Unknown/Self-Pay	Genetics	3,982	5	Poor muscle tone (125)
Unknown/Self-Pay	Genetics	3,982	6	Feeding problem (111)
Unknown/Self-Pay	Genetics	3,982	7	Pediatric failure to thrive (105)
Unknown/Self-Pay	Genetics	3,982	8	General finding of height (99)
Unknown/Self-Pay	Genetics	3,982	9	Autistic disorder (97)
Unknown/Self-Pay	Genetics	3,982	10	Constipation (91)
Overall	Hospice and Palliative Medicine	2,942	1	Palliative care (558)
Overall	Hospice and Palliative Medicine	2,942	2	Under care of palliative care physician (363)
Overall	Hospice and Palliative Medicine	2,942	3	Hospice care (109)
Overall	Hospice and Palliative Medicine	2,942	4	Counseling (99)
Overall	Hospice and Palliative Medicine	2,942	5	Pain due to neoplastic disease (84)
Overall	Hospice and Palliative Medicine	2,942	6	Chronic disease - care arrangement (76)
Overall	Hospice and Palliative Medicine	2,942	7	Active advance directive (copy within chart) (63)

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Insurer	Specialty	Denom	Rank	Diagnosis (n)
Overall	Hospice and Palliative Medicine	2,942	8	Prevention status (57)
Overall	Hospice and Palliative Medicine	2,942	9	Pain (55)
Overall	Hospice and Palliative Medicine	2,942	10	Passive smoker (54)
Private	Hospice and Palliative Medicine	606	1	Palliative care (196)
Private	Hospice and Palliative Medicine	606	2	Under care of palliative care physician (128)
Private	Hospice and Palliative Medicine	606	3	Pain due to neoplastic disease (34)
Private	Hospice and Palliative Medicine	606	4	Hospice care (28)
Private	Hospice and Palliative Medicine	606	5	Counseling (20)
Private	Hospice and Palliative Medicine	606	6	Chronic disease - care arrangement (15)
Private	Hospice and Palliative Medicine	606	7	Pain (14)
Private	Hospice and Palliative Medicine	606	8	Daily headache (13)
Private	Hospice and Palliative Medicine	606	9	Chronic daily headache (13)
Private	Hospice and Palliative Medicine	606	10	Achondroplasia (12)
Public	Hospice and Palliative Medicine	2,254	1	Palliative care (341)
Public	Hospice and Palliative Medicine	2,254	2	Under care of palliative care physician (234)
Public	Hospice and Palliative Medicine	2,254	3	Hospice care (81)
Public	Hospice and Palliative Medicine	2,254	4	Counseling (79)
Public	Hospice and Palliative Medicine	2,254	5	Chronic disease - care arrangement (61)
Public	Hospice and Palliative Medicine	2,254	6	Passive smoker (53)
Public	Hospice and Palliative Medicine	2,254	7	Active advance directive (copy within chart) (53)
Public	Hospice and Palliative Medicine	2,254	8	Pain due to neoplastic disease (50)
Public	Hospice and Palliative Medicine	2,254	9	Prevention status (50)
Public	Hospice and Palliative Medicine	2,254	10	Pain (41)
Unknown/Self-Pay	Hospice and Palliative Medicine	82	1	Palliative care (21)
Unknown/Self-Pay	Hospice and Palliative Medicine	82	2	Screening for cardiovascular system disease (<11)
Unknown/Self-Pay	Hospice and Palliative Medicine	82	3	Tobacco use and exposure - finding (<11)
Unknown/Self-Pay	Hospice and Palliative Medicine	82	4	Eczema (<11)
Unknown/Self-Pay	Hospice and Palliative Medicine	82	5	Anemia (<11)
Unknown/Self-Pay	Hospice and Palliative Medicine	82	6	Seen by palliative care service (<11)
Unknown/Self-Pay	Hospice and Palliative Medicine	82	7	Routine care of newborn (<11)
Unknown/Self-Pay	Hospice and Palliative Medicine	82	8	Hearing loss (<11)
Unknown/Self-Pay	Hospice and Palliative Medicine	82	9	Nasal congestion (<11)
Unknown/Self-Pay	Hospice and Palliative Medicine	82	10	Passive smoker (<11)
Overall	Medical Toxicology	38	1	Toxic effect of lead compound (<11)
Overall	Medical Toxicology	38	2	Disorder of intestine (<11)
Overall	Medical Toxicology	38	3	Blood chemistry abnormal (<11)
Overall	Medical Toxicology	38	4	Iron deficiency anemia (<11)
Overall	Medical Toxicology	38	5	Pica (<11)
Overall	Medical Toxicology	38	6	Postoperative state (<11)
Overall	Medical Toxicology	38	7	Anemia (<11)
Overall	Medical Toxicology	38	8	Pica of infancy and childhood (<11)
Overall	Medical Toxicology	38	9	Increased blood lead level (<11)
Overall	Medical Toxicology	38	10	Iron deficiency (<11)
Private	Medical Toxicology	<11	1	Congenital insufficiency of mitral valve (<11)
Public	Medical Toxicology	33	1	Toxic effect of lead compound (<11)
Public	Medical Toxicology	33	2	Disorder of intestine (<11)
Public	Medical Toxicology	33	3	Iron deficiency (<11)
Public	Medical Toxicology	33	4	Anemia (<11)
Public	Medical Toxicology	33	5	Pica of infancy and childhood (<11)
Public	Medical Toxicology	33	6	Pica (<11)
Public	Medical Toxicology	33	7	Iron deficiency anemia (<11)
Public	Medical Toxicology	33	8	Postoperative state (<11)
Public	Medical Toxicology	33	9	Increased blood lead level (<11)
Public	Medical Toxicology	33	10	Blood chemistry abnormal (<11)
Unknown/Self-Pay	Medical Toxicology	<11	1	Sickling disorder due to hemoglobin S (<11)
Overall	Neonatal-Perinatal Medicine	42,383	1	Premature infant (5,314)
Overall	Neonatal-Perinatal Medicine	42,383	2	Premature infancy (5,048)
Overall	Neonatal-Perinatal Medicine	42,383	3	Prematurity of infant (3,648)
Overall	Neonatal-Perinatal Medicine	42,383	4	Feeding problem (2,506)
Overall	Neonatal-Perinatal Medicine	42,383	5	Gastroesophageal reflux disease (2,003)

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Insurer	Specialty	Denom	Rank	Diagnosis (n)
Overall	Neonatal-Perinatal Medicine	42,383	6	Gross motor development delay (1,960)
Overall	Neonatal-Perinatal Medicine	42,383	7	Eczema (1,828)
Overall	Neonatal-Perinatal Medicine	42,383	8	Developmental delay (1,620)
Overall	Neonatal-Perinatal Medicine	42,383	9	Baby premature 28-32 weeks (1,591)
Overall	Neonatal-Perinatal Medicine	42,383	10	Poor muscle tone (1,558)
Private	Neonatal-Perinatal Medicine	4,634	1	Premature infant (877)
Private	Neonatal-Perinatal Medicine	4,634	2	Premature infancy (853)
Private	Neonatal-Perinatal Medicine	4,634	3	Prematurity of infant (584)
Private	Neonatal-Perinatal Medicine	4,634	4	Poor muscle tone (405)
Private	Neonatal-Perinatal Medicine	4,634	5	Gross motor development delay (364)
Private	Neonatal-Perinatal Medicine	4,634	6	Baby premature 28-32 weeks (340)
Private	Neonatal-Perinatal Medicine	4,634	7	Gastroesophageal reflux disease (338)
Private	Neonatal-Perinatal Medicine	4,634	8	Feeding problem (274)
Private	Neonatal-Perinatal Medicine	4,634	9	Muscular hypertonicity (219)
Private	Neonatal-Perinatal Medicine	4,634	10	Baby BW = 1.0-1.5kg (219)
Public	Neonatal-Perinatal Medicine	28,587	1	Premature infant (3,996)
Public	Neonatal-Perinatal Medicine	28,587	2	Premature infancy (3,766)
Public	Neonatal-Perinatal Medicine	28,587	3	Prematurity of infant (2,775)
Public	Neonatal-Perinatal Medicine	28,587	4	Feeding problem (1,712)
Public	Neonatal-Perinatal Medicine	28,587	5	Gastroesophageal reflux disease (1,496)
Public	Neonatal-Perinatal Medicine	28,587	6	Eczema (1,428)
Public	Neonatal-Perinatal Medicine	28,587	7	Gross motor development delay (1,402)
Public	Neonatal-Perinatal Medicine	28,587	8	Developmental delay (1,336)
Public	Neonatal-Perinatal Medicine	28,587	9	Bronchopulmonary dysplasia of newborn (1,203)
Public	Neonatal-Perinatal Medicine	28,587	10	Baby premature 28-32 weeks (1,151)
Unknown/Self-Pay	Neonatal-Perinatal Medicine	9,162	1	Feeding problem (520)
Unknown/Self-Pay	Neonatal-Perinatal Medicine	9,162	2	Premature infant (441)
Unknown/Self-Pay	Neonatal-Perinatal Medicine	9,162	3	Premature infancy (429)
Unknown/Self-Pay	Neonatal-Perinatal Medicine	9,162	4	Child developmental handicap screening (373)
Unknown/Self-Pay	Neonatal-Perinatal Medicine	9,162	5	History of prematurity (336)
Unknown/Self-Pay	Neonatal-Perinatal Medicine	9,162	6	Prematurity of infant (289)
Unknown/Self-Pay	Neonatal-Perinatal Medicine	9,162	7	History of clinical finding in subject (210)
Unknown/Self-Pay	Neonatal-Perinatal Medicine	9,162	8	Constipation (200)
Unknown/Self-Pay	Neonatal-Perinatal Medicine	9,162	9	Eczema (195)
Unknown/Self-Pay	Neonatal-Perinatal Medicine	9,162	10	Gross motor development delay (194)
Overall	Obesity	24	1	Morbid obesity (20)
Overall	Obesity	24	2	Increased body mass index (16)
Overall	Obesity	24	3	Childhood obesity (16)
Overall	Obesity	24	4	Obesity (13)
Overall	Obesity	24	5	Snoring (13)
Overall	Obesity	24	6	Postoperative state (13)
Overall	Obesity	24	7	Obese (12)
Overall	Obesity	24	8	History of bariatric surgical procedure (11)
Overall	Obesity	24	9	Bariatric operative procedure (11)
Overall	Obesity	24	10	Obstructive sleep apnea syndrome (11)
Public	Obesity	15	1	Morbid obesity (12)
Public	Obesity	15	2	Childhood obesity (12)
Public	Obesity	15	3	Increased body mass index (12)
Public	Obesity	15	4	Obesity (11)
Public	Obesity	15	5	Obese (<11)
Public	Obesity	15	6	Postoperative state (<11)
Public	Obesity	15	7	Obstructive sleep apnea syndrome (<11)
Public	Obesity	15	8	History of bariatric surgical procedure (<11)
Public	Obesity	15	9	Bariatric operative procedure (<11)
Public	Obesity	15	10	Hyperlipidemia (<11)
Unknown/Self-Pay	Obesity	<11	1	Morbid obesity (<11)
Unknown/Self-Pay	Obesity	<11	2	Snoring (<11)
Unknown/Self-Pay	Obesity	<11	3	Increased body mass index (<11)
Unknown/Self-Pay	Obesity	<11	4	Severe obesity (<11)
Unknown/Self-Pay	Obesity	<11	5	Childhood obesity (<11)
Unknown/Self-Pay	Obesity	<11	6	Body mass index 40+ - severely obese (<11)
Unknown/Self-Pay	Obesity	<11	7	Acquired acanthosis nigricans (<11)

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Insurer	Specialty	Denom	Rank	Diagnosis (n)
Unknown/Self-Pay	Obesity	<11	8	Postoperative state (<11)
Unknown/Self-Pay	Obesity	<11	9	Bariatric operative procedure (<11)
Unknown/Self-Pay	Obesity	<11	10	Obesity (<11)
Overall	Pediatric Cardiology	144,528	1	Heart murmur (28,454)
Overall	Pediatric Cardiology	144,528	2	Chest pain (10,899)
Overall	Pediatric Cardiology	144,528	3	Palpitations (7,826)
Overall	Pediatric Cardiology	144,528	4	Electrocardiogram abnormal (7,067)
Overall	Pediatric Cardiology	144,528	5	Ventricular septal defect (6,380)
Overall	Pediatric Cardiology	144,528	6	Screening for cardiovascular system disease (5,982)
Overall	Pediatric Cardiology	144,528	7	Functional heart murmur (5,934)
Overall	Pediatric Cardiology	144,528	8	Atrial septal defect (5,820)
Overall	Pediatric Cardiology	144,528	9	Patent foramen ovale (5,718)
Overall	Pediatric Cardiology	144,528	10	Postprocedural state finding (5,382)
Private	Pediatric Cardiology	53,765	1	Heart murmur (10,521)
Private	Pediatric Cardiology	53,765	2	Chest pain (3,900)
Private	Pediatric Cardiology	53,765	3	Palpitations (3,585)
Private	Pediatric Cardiology	53,765	4	Electrocardiogram abnormal (2,595)
Private	Pediatric Cardiology	53,765	5	Patent foramen ovale (2,283)
Private	Pediatric Cardiology	53,765	6	Functional heart murmur (2,142)
Private	Pediatric Cardiology	53,765	7	Ventricular septal defect (1,936)
Private	Pediatric Cardiology	53,765	8	Dizziness (1,819)
Private	Pediatric Cardiology	53,765	9	Vasovagal syncope (1,584)
Private	Pediatric Cardiology	53,765	10	Dizziness present (1,565)
Public	Pediatric Cardiology	77,619	1	Heart murmur (15,893)
Public	Pediatric Cardiology	77,619	2	Chest pain (6,186)
Public	Pediatric Cardiology	77,619	3	Screening for cardiovascular system disease (4,345)
Public	Pediatric Cardiology	77,619	4	Electrocardiogram abnormal (4,011)
Public	Pediatric Cardiology	77,619	5	Ventricular septal defect (3,807)
Public	Pediatric Cardiology	77,619	6	Palpitations (3,738)
Public	Pediatric Cardiology	77,619	7	Atrial septal defect (3,590)
Public	Pediatric Cardiology	77,619	8	Functional heart murmur (3,587)
Public	Pediatric Cardiology	77,619	9	Postprocedural state finding (3,221)
Public	Pediatric Cardiology	77,619	10	Patent foramen ovale (3,100)
Unknown/Self-Pay	Pediatric Cardiology	13,144	1	Heart murmur (2,040)
Unknown/Self-Pay	Pediatric Cardiology	13,144	2	Obesity (871)
Unknown/Self-Pay	Pediatric Cardiology	13,144	3	Obese (845)
Unknown/Self-Pay	Pediatric Cardiology	13,144	4	Chest pain (813)
Unknown/Self-Pay	Pediatric Cardiology	13,144	5	Atrial septal defect (733)
Unknown/Self-Pay	Pediatric Cardiology	13,144	6	Postprocedural state finding (684)
Unknown/Self-Pay	Pediatric Cardiology	13,144	7	Ventricular septal defect (637)
Unknown/Self-Pay	Pediatric Cardiology	13,144	8	Acquired acanthosis nigricans (622)
Unknown/Self-Pay	Pediatric Cardiology	13,144	9	Increased body mass index (602)
Unknown/Self-Pay	Pediatric Cardiology	13,144	10	Childhood obesity (601)
Overall	Pediatric Critical Care Medicine	24,788	1	Feeding problem (1,773)
Overall	Pediatric Critical Care Medicine	24,788	2	Postoperative state (1,638)
Overall	Pediatric Critical Care Medicine	24,788	3	Constipation (1,539)
Overall	Pediatric Critical Care Medicine	24,788	4	Gastrostomy (1,353)
Overall	Pediatric Critical Care Medicine	24,788	5	H/O: gastrostomy (1,353)
Overall	Pediatric Critical Care Medicine	24,788	6	Finding of body mass index (1,277)
Overall	Pediatric Critical Care Medicine	24,788	7	Developmental delay (1,110)
Overall	Pediatric Critical Care Medicine	24,788	8	Gastrostomy present (1,058)
Overall	Pediatric Critical Care Medicine	24,788	9	Diet education (1,055)
Overall	Pediatric Critical Care Medicine	24,788	10	Dietary management education, guidance, and counseling (1,053)
Private	Pediatric Critical Care Medicine	2,319	1	Otitis media (92)
Private	Pediatric Critical Care Medicine	2,319	2	Feeding problem (71)
Private	Pediatric Critical Care Medicine	2,319	3	Constipation (69)
Private	Pediatric Critical Care Medicine	2,319	4	Routine care of newborn (63)
Private	Pediatric Critical Care Medicine	2,319	5	Acute pharyngitis (60)
Private	Pediatric Critical Care Medicine	2,319	6	Cough (59)

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Insurer	Specialty	Denom	Rank	Diagnosis (n)
Private	Pediatric Critical Care Medicine	2,319	7	Increased body mass index (56)
Private	Pediatric Critical Care Medicine	2,319	8	Childhood obesity (50)
Private	Pediatric Critical Care Medicine	2,319	9	Postoperative state (49)
Private	Pediatric Critical Care Medicine	2,319	10	Acute disease (47)
Public	Pediatric Critical Care Medicine	21,042	1	Feeding problem (1,635)
Public	Pediatric Critical Care Medicine	21,042	2	Postoperative state (1,532)
Public	Pediatric Critical Care Medicine	21,042	3	Constipation (1,406)
Public	Pediatric Critical Care Medicine	21,042	4	Gastrostomy (1,285)
Public	Pediatric Critical Care Medicine	21,042	5	H/O: gastrostomy (1,285)
Public	Pediatric Critical Care Medicine	21,042	6	Finding of body mass index (1,239)
Public	Pediatric Critical Care Medicine	21,042	7	Developmental delay (1,041)
Public	Pediatric Critical Care Medicine	21,042	8	Gastrostomy present (1,006)
Public	Pediatric Critical Care Medicine	21,042	9	Diet education (994)
Public	Pediatric Critical Care Medicine	21,042	10	Dietary management education, guidance, and counseling (992)
Unknown/Self-Pay	Pediatric Critical Care Medicine	1,427	1	Eczema (73)
Unknown/Self-Pay	Pediatric Critical Care Medicine	1,427	2	Feeding problem (67)
Unknown/Self-Pay	Pediatric Critical Care Medicine	1,427	3	Constipation (64)
Unknown/Self-Pay	Pediatric Critical Care Medicine	1,427	4	Postoperative state (57)
Unknown/Self-Pay	Pediatric Critical Care Medicine	1,427	5	Routine care of newborn (51)
Unknown/Self-Pay	Pediatric Critical Care Medicine	1,427	6	Acute upper respiratory infection (38)
Unknown/Self-Pay	Pediatric Critical Care Medicine	1,427	7	Surgical follow-up (37)
Unknown/Self-Pay	Pediatric Critical Care Medicine	1,427	8	Gastrostomy (37)
Unknown/Self-Pay	Pediatric Critical Care Medicine	1,427	9	H/O: gastrostomy (37)
Unknown/Self-Pay	Pediatric Critical Care Medicine	1,427	10	Increased body mass index (33)
Overall	Pediatric Emergency Medicine	109,400	1	Acute upper respiratory infection (6,143)
Overall	Pediatric Emergency Medicine	109,400	2	Eczema (4,535)
Overall	Pediatric Emergency Medicine	109,400	3	Cough (4,356)
Overall	Pediatric Emergency Medicine	109,400	4	Viral upper respiratory tract infection (4,246)
Overall	Pediatric Emergency Medicine	109,400	5	Routine care of newborn (3,768)
Overall	Pediatric Emergency Medicine	109,400	6	Otitis media (3,684)
Overall	Pediatric Emergency Medicine	109,400	7	Upper respiratory infection (3,634)
Overall	Pediatric Emergency Medicine	109,400	8	Viral disease (3,590)
Overall	Pediatric Emergency Medicine	109,400	9	Constipation (3,290)
Overall	Pediatric Emergency Medicine	109,400	10	Obesity (3,213)
Private	Pediatric Emergency Medicine	19,782	1	Cough (1,136)
Private	Pediatric Emergency Medicine	19,782	2	Fever (840)
Private	Pediatric Emergency Medicine	19,782	3	Viral upper respiratory tract infection (771)
Private	Pediatric Emergency Medicine	19,782	4	Acute disease (711)
Private	Pediatric Emergency Medicine	19,782	5	Viral disease (710)
Private	Pediatric Emergency Medicine	19,782	6	Upper respiratory infection (709)
Private	Pediatric Emergency Medicine	19,782	7	Nasopharyngitis (674)
Private	Pediatric Emergency Medicine	19,782	8	Diet education (637)
Private	Pediatric Emergency Medicine	19,782	9	Otitis media (586)
Private	Pediatric Emergency Medicine	19,782	10	Acute pharyngitis (558)
Public	Pediatric Emergency Medicine	75,985	1	Acute upper respiratory infection (4,830)
Public	Pediatric Emergency Medicine	75,985	2	Eczema (3,562)
Public	Pediatric Emergency Medicine	75,985	3	Viral upper respiratory tract infection (2,997)
Public	Pediatric Emergency Medicine	75,985	4	Cough (2,954)
Public	Pediatric Emergency Medicine	75,985	5	Otitis media (2,895)
Public	Pediatric Emergency Medicine	75,985	6	Routine care of newborn (2,827)
Public	Pediatric Emergency Medicine	75,985	7	Obesity (2,792)
Public	Pediatric Emergency Medicine	75,985	8	Obese (2,636)
Public	Pediatric Emergency Medicine	75,985	9	Constipation (2,579)
Public	Pediatric Emergency Medicine	75,985	10	Requires measles, mumps and rubella vaccination (2,518)
Unknown/Self-Pay	Pediatric Emergency Medicine	13,633	1	Acute upper respiratory infection (858)
Unknown/Self-Pay	Pediatric Emergency Medicine	13,633	2	Diet education (795)
Unknown/Self-Pay	Pediatric Emergency Medicine	13,633	3	Dietary management education, guidance, and counseling (788)
Unknown/Self-Pay	Pediatric Emergency Medicine	13,633	4	Eczema (683)
Unknown/Self-Pay	Pediatric Emergency Medicine	13,633	5	Routine care of newborn (647)

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Insurer	Specialty	Denom	Rank	Diagnosis (n)
Unknown/Self-Pay	Pediatric Emergency Medicine	13,633	6	Finding of body mass index (558)
Unknown/Self-Pay	Pediatric Emergency Medicine	13,633	7	Increased body mass index (540)
Unknown/Self-Pay	Pediatric Emergency Medicine	13,633	8	Viral upper respiratory tract infection (478)
Unknown/Self-Pay	Pediatric Emergency Medicine	13,633	9	Upper respiratory infection (438)
Unknown/Self-Pay	Pediatric Emergency Medicine	13,633	10	Constipation (399)
Overall	Pediatric Endocrinology	83,821	1	Childhood obesity (10,263)
Overall	Pediatric Endocrinology	83,821	2	Increased body mass index (10,078)
Overall	Pediatric Endocrinology	83,821	3	General finding of height (6,569)
Overall	Pediatric Endocrinology	83,821	4	Type 1 diabetes mellitus (5,917)
Overall	Pediatric Endocrinology	83,821	5	Obesity (5,850)
Overall	Pediatric Endocrinology	83,821	6	Vitamin D deficiency (5,747)
Overall	Pediatric Endocrinology	83,821	7	Short stature of childhood (5,058)
Overall	Pediatric Endocrinology	83,821	8	Obese (5,046)
Overall	Pediatric Endocrinology	83,821	9	Precocious puberty (4,530)
Overall	Pediatric Endocrinology	83,821	10	Thyroid function tests abnormal (4,526)
Private	Pediatric Endocrinology	29,330	1	General finding of height (2,938)
Private	Pediatric Endocrinology	29,330	2	Childhood obesity (2,473)
Private	Pediatric Endocrinology	29,330	3	Increased body mass index (2,470)
Private	Pediatric Endocrinology	29,330	4	Short stature of childhood (2,014)
Private	Pediatric Endocrinology	29,330	5	Type 1 diabetes mellitus (1,942)
Private	Pediatric Endocrinology	29,330	6	Vitamin D deficiency (1,671)
Private	Pediatric Endocrinology	29,330	7	Thyroid function tests abnormal (1,655)
Private	Pediatric Endocrinology	29,330	8	Precocious puberty (1,503)
Private	Pediatric Endocrinology	29,330	9	Type 1 diabetes mellitus without complication (1,448)
Private	Pediatric Endocrinology	29,330	10	Hashimoto thyroiditis (1,308)
Public	Pediatric Endocrinology	45,259	1	Childhood obesity (7,070)
Public	Pediatric Endocrinology	45,259	2	Increased body mass index (6,888)
Public	Pediatric Endocrinology	45,259	3	Obesity (4,023)
Public	Pediatric Endocrinology	45,259	4	Obese (3,545)
Public	Pediatric Endocrinology	45,259	5	Vitamin D deficiency (3,316)
Public	Pediatric Endocrinology	45,259	6	General finding of height (3,279)
Public	Pediatric Endocrinology	45,259	7	Acanthosis nigricans (2,790)
Public	Pediatric Endocrinology	45,259	8	Precocious puberty (2,705)
Public	Pediatric Endocrinology	45,259	9	Short stature of childhood (2,564)
Public	Pediatric Endocrinology	45,259	10	Type 1 diabetes mellitus (2,523)
Unknown/Self-Pay	Pediatric Endocrinology	9,232	1	Type 1 diabetes mellitus (1,452)
Unknown/Self-Pay	Pediatric Endocrinology	9,232	2	Hyperglycemia due to type 1 diabetes mellitus (1,197)
Unknown/Self-Pay	Pediatric Endocrinology	9,232	3	Type 1 diabetes mellitus without complication (984)
Unknown/Self-Pay	Pediatric Endocrinology	9,232	4	Vitamin D deficiency (760)
Unknown/Self-Pay	Pediatric Endocrinology	9,232	5	Childhood obesity (720)
Unknown/Self-Pay	Pediatric Endocrinology	9,232	6	Increased body mass index (720)
Unknown/Self-Pay	Pediatric Endocrinology	9,232	7	Hyperglycemia (616)
Unknown/Self-Pay	Pediatric Endocrinology	9,232	8	Type 1 diabetes mellitus uncontrolled (596)
Unknown/Self-Pay	Pediatric Endocrinology	9,232	9	Obesity (569)
Unknown/Self-Pay	Pediatric Endocrinology	9,232	10	Obese (508)
Overall	Pediatric Gastroenterology	155,321	1	Constipation (30,980)
Overall	Pediatric Gastroenterology	155,321	2	Gastroesophageal reflux disease (25,781)
Overall	Pediatric Gastroenterology	155,321	3	Feeding problem (15,729)
Overall	Pediatric Gastroenterology	155,321	4	Generalized abdominal pain (13,696)
Overall	Pediatric Gastroenterology	155,321	5	Gastroesophageal reflux disease without esophagitis (12,592)
Overall	Pediatric Gastroenterology	155,321	6	Pediatric failure to thrive (10,029)
Overall	Pediatric Gastroenterology	155,321	7	Vomiting (9,999)
Overall	Pediatric Gastroenterology	155,321	8	Diarrhea (9,829)
Overall	Pediatric Gastroenterology	155,321	9	Periumbilical pain (9,111)
Overall	Pediatric Gastroenterology	155,321	10	Abdominal pain (8,725)
Private	Pediatric Gastroenterology	59,766	1	Constipation (11,605)
Private	Pediatric Gastroenterology	59,766	2	Gastroesophageal reflux disease (11,055)
Private	Pediatric Gastroenterology	59,766	3	Generalized abdominal pain (7,046)

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Insurer	Specialty	Denom	Rank	Diagnosis (n)
Private	Pediatric Gastroenterology	59,766	4	Periumbilical pain (4,863)
Private	Pediatric Gastroenterology	59,766	5	Diarrhea (4,701)
Private	Pediatric Gastroenterology	59,766	6	Gastroesophageal reflux disease without esophagitis (4,692)
Private	Pediatric Gastroenterology	59,766	7	Feeding problem (4,197)
Private	Pediatric Gastroenterology	59,766	8	Abdominal pain (3,759)
Private	Pediatric Gastroenterology	59,766	9	Nausea (3,713)
Private	Pediatric Gastroenterology	59,766	10	Vomiting (3,579)
Public	Pediatric Gastroenterology	71,989	1	Constipation (16,496)
Public	Pediatric Gastroenterology	71,989	2	Gastroesophageal reflux disease (12,735)
Public	Pediatric Gastroenterology	71,989	3	Feeding problem (9,516)
Public	Pediatric Gastroenterology	71,989	4	Gastroesophageal reflux disease without esophagitis (6,810)
Public	Pediatric Gastroenterology	71,989	5	Pediatric failure to thrive (5,898)
Public	Pediatric Gastroenterology	71,989	6	Generalized abdominal pain (5,506)
Public	Pediatric Gastroenterology	71,989	7	Postoperative state (5,444)
Public	Pediatric Gastroenterology	71,989	8	Vomiting (5,395)
Public	Pediatric Gastroenterology	71,989	9	Increased body mass index (4,933)
Public	Pediatric Gastroenterology	71,989	10	Dysphagia (4,819)
Unknown/Self-Pay	Pediatric Gastroenterology	23,566	1	Constipation (2,879)
Unknown/Self-Pay	Pediatric Gastroenterology	23,566	2	Feeding problem (2,016)
Unknown/Self-Pay	Pediatric Gastroenterology	23,566	3	Gastroesophageal reflux disease (1,991)
Unknown/Self-Pay	Pediatric Gastroenterology	23,566	4	Diet education (1,387)
Unknown/Self-Pay	Pediatric Gastroenterology	23,566	5	Dietary management education, guidance, and counseling (1,385)
Unknown/Self-Pay	Pediatric Gastroenterology	23,566	6	Increased body mass index (1,223)
Unknown/Self-Pay	Pediatric Gastroenterology	23,566	7	Generalized abdominal pain (1,144)
Unknown/Self-Pay	Pediatric Gastroenterology	23,566	8	Eczema (1,095)
Unknown/Self-Pay	Pediatric Gastroenterology	23,566	9	Gastroesophageal reflux disease without esophagitis (1,090)
Unknown/Self-Pay	Pediatric Gastroenterology	23,566	10	Vomiting (1,025)
Overall	Pediatric Hematology-Oncology	49,428	1	Anemia (3,029)
Overall	Pediatric Hematology-Oncology	49,428	2	Iron deficiency anemia (2,432)
Overall	Pediatric Hematology-Oncology	49,428	3	Platelet count below reference range (2,199)
Overall	Pediatric Hematology-Oncology	49,428	4	Neutropenia (2,017)
Overall	Pediatric Hematology-Oncology	49,428	5	Constipation (1,776)
Overall	Pediatric Hematology-Oncology	49,428	6	Acute lymphoid leukemia in remission (1,766)
Overall	Pediatric Hematology-Oncology	49,428	7	Acute lymphoid leukemia (1,494)
Overall	Pediatric Hematology-Oncology	49,428	8	Bleeding from nose (1,490)
Overall	Pediatric Hematology-Oncology	49,428	9	Patient immunocompromised (1,489)
Overall	Pediatric Hematology-Oncology	49,428	10	Fever (1,487)
Private	Pediatric Hematology-Oncology	14,139	1	Anemia (946)
Private	Pediatric Hematology-Oncology	14,139	2	Platelet count below reference range (804)
Private	Pediatric Hematology-Oncology	14,139	3	Neutropenia (736)
Private	Pediatric Hematology-Oncology	14,139	4	Iron deficiency anemia (723)
Private	Pediatric Hematology-Oncology	14,139	5	Acute lymphoid leukemia in remission (707)
Private	Pediatric Hematology-Oncology	14,139	6	Patient immunocompromised (598)
Private	Pediatric Hematology-Oncology	14,139	7	Acute lymphoid leukemia (588)
Private	Pediatric Hematology-Oncology	14,139	8	Chemotherapy-induced nausea and vomiting (504)
Private	Pediatric Hematology-Oncology	14,139	9	Fever (489)
Private	Pediatric Hematology-Oncology	14,139	10	Constipation (471)
Public	Pediatric Hematology-Oncology	29,934	1	Anemia (1,758)
Public	Pediatric Hematology-Oncology	29,934	2	Iron deficiency anemia (1,394)
Public	Pediatric Hematology-Oncology	29,934	3	Platelet count below reference range (1,102)
Public	Pediatric Hematology-Oncology	29,934	4	Sickling disorder due to hemoglobin S (1,095)
Public	Pediatric Hematology-Oncology	29,934	5	Neutropenia (1,089)
Public	Pediatric Hematology-Oncology	29,934	6	Constipation (1,068)
Public	Pediatric Hematology-Oncology	29,934	7	Hemoglobin SS disease without crisis (957)
Public	Pediatric Hematology-Oncology	29,934	8	Bleeding from nose (949)
Public	Pediatric Hematology-Oncology	29,934	9	Acute lymphoid leukemia in remission (891)
Public	Pediatric Hematology-Oncology	29,934	10	Sickle cell-hemoglobin SS disease (839)

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Insurer	Specialty	Denom	Rank	Diagnosis (n)
Unknown/Self-Pay	Pediatric Hematology-Oncology	5,355	1	Anemia (325)
Unknown/Self-Pay	Pediatric Hematology-Oncology	5,355	2	Iron deficiency anemia (315)
Unknown/Self-Pay	Pediatric Hematology-Oncology	5,355	3	Platelet count below reference range (293)
Unknown/Self-Pay	Pediatric Hematology-Oncology	5,355	4	Patient immunocompromised (257)
Unknown/Self-Pay	Pediatric Hematology-Oncology	5,355	5	Constipation (237)
Unknown/Self-Pay	Pediatric Hematology-Oncology	5,355	6	Postprocedural state finding (235)
Unknown/Self-Pay	Pediatric Hematology-Oncology	5,355	7	Sickling disorder due to hemoglobin S (230)
Unknown/Self-Pay	Pediatric Hematology-Oncology	5,355	8	Immunodeficiency disorder (217)
Unknown/Self-Pay	Pediatric Hematology-Oncology	5,355	9	Prevention status (217)
Unknown/Self-Pay	Pediatric Hematology-Oncology	5,355	10	Drug prophylaxis (211)
Overall	Pediatric Infectious Diseases	22,150	1	Nonspecific tuberculin test reaction (1,858)
Overall	Pediatric Infectious Diseases	22,150	2	Mantoux: positive (1,259)
Overall	Pediatric Infectious Diseases	22,150	3	Inactive tuberculosis (1,128)
Overall	Pediatric Infectious Diseases	22,150	4	Fever (915)
Overall	Pediatric Infectious Diseases	22,150	5	Viral upper respiratory tract infection (654)
Overall	Pediatric Infectious Diseases	22,150	6	Upper respiratory infection (636)
Overall	Pediatric Infectious Diseases	22,150	7	Cough (489)
Overall	Pediatric Infectious Diseases	22,150	8	Recurrent disease (485)
Overall	Pediatric Infectious Diseases	22,150	9	Eruption (453)
Overall	Pediatric Infectious Diseases	22,150	10	Eczema (439)
Private	Pediatric Infectious Diseases	6,492	1	Fever (382)
Private	Pediatric Infectious Diseases	6,492	2	Upper respiratory infection (329)
Private	Pediatric Infectious Diseases	6,492	3	Viral upper respiratory tract infection (268)
Private	Pediatric Infectious Diseases	6,492	4	Recurrent disease (205)
Private	Pediatric Infectious Diseases	6,492	5	Relapsing fever (179)
Private	Pediatric Infectious Diseases	6,492	6	Cough (161)
Private	Pediatric Infectious Diseases	6,492	7	Eruption (155)
Private	Pediatric Infectious Diseases	6,492	8	Fatigue (136)
Private	Pediatric Infectious Diseases	6,492	9	Lyme disease (129)
Private	Pediatric Infectious Diseases	6,492	10	Mantoux: positive (115)
Public	Pediatric Infectious Diseases	13,794	1	Nonspecific tuberculin test reaction (1,551)
Public	Pediatric Infectious Diseases	13,794	2	Mantoux: positive (998)
Public	Pediatric Infectious Diseases	13,794	3	Inactive tuberculosis (901)
Public	Pediatric Infectious Diseases	13,794	4	Fever (474)
Public	Pediatric Infectious Diseases	13,794	5	Eczema (371)
Public	Pediatric Infectious Diseases	13,794	6	Viral upper respiratory tract infection (368)
Public	Pediatric Infectious Diseases	13,794	7	Obesity (333)
Public	Pediatric Infectious Diseases	13,794	8	Asthma (327)
Public	Pediatric Infectious Diseases	13,794	9	Obese (317)
Public	Pediatric Infectious Diseases	13,794	10	Cough (305)
Unknown/Self-Pay	Pediatric Infectious Diseases	1,864	1	Nonspecific tuberculin test reaction (223)
Unknown/Self-Pay	Pediatric Infectious Diseases	1,864	2	Mantoux: positive (146)
Unknown/Self-Pay	Pediatric Infectious Diseases	1,864	3	Inactive tuberculosis (138)
Unknown/Self-Pay	Pediatric Infectious Diseases	1,864	4	Fever (59)
Unknown/Self-Pay	Pediatric Infectious Diseases	1,864	5	Exposure to Human immunodeficiency virus (44)
Unknown/Self-Pay	Pediatric Infectious Diseases	1,864	6	Human immunodeficiency virus (44)
Unknown/Self-Pay	Pediatric Infectious Diseases	1,864	7	Osteomyelitis (44)
Unknown/Self-Pay	Pediatric Infectious Diseases	1,864	8	Infection by methicillin sensitive Staphylococcus aureus (43)
Unknown/Self-Pay	Pediatric Infectious Diseases	1,864	9	Methicillin resistant Staphylococcus aureus infection (41)
Unknown/Self-Pay	Pediatric Infectious Diseases	1,864	10	Postoperative state (41)
Overall	Pediatric Nephrology	29,553	1	Elevated blood-pressure reading without diagnosis of hypertension (3,478)
Overall	Pediatric Nephrology	29,553	2	Essential hypertension (2,805)
Overall	Pediatric Nephrology	29,553	3	Hypertensive disorder (2,427)
Overall	Pediatric Nephrology	29,553	4	Elevated blood pressure (2,229)
Overall	Pediatric Nephrology	29,553	5	Proteinuria (1,943)
Overall	Pediatric Nephrology	29,553	6	Chronic kidney disease stage 1 (1,726)
Overall	Pediatric Nephrology	29,553	7	Kidney disease (1,518)
Overall	Pediatric Nephrology	29,553	8	Secondary hypertension (1,475)

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Insurer	Specialty	Denom	Rank	Diagnosis (n)
Overall	Pediatric Nephrology	29,553	9	Postoperative state (1,415)
Overall	Pediatric Nephrology	29,553	10	Chronic kidney disease stage 2 (1,227)
Private	Pediatric Nephrology	10,763	1	Elevated blood-pressure reading without diagnosis of hypertension (847)
Private	Pediatric Nephrology	10,763	2	Elevated blood pressure (632)
Private	Pediatric Nephrology	10,763	3	Essential hypertension (622)
Private	Pediatric Nephrology	10,763	4	Proteinuria (595)
Private	Pediatric Nephrology	10,763	5	Hypertensive disorder (550)
Private	Pediatric Nephrology	10,763	6	Chronic kidney disease stage 1 (504)
Private	Pediatric Nephrology	10,763	7	Blood in urine (398)
Private	Pediatric Nephrology	10,763	8	Kidney stone (397)
Private	Pediatric Nephrology	10,763	9	Kidney disease (394)
Private	Pediatric Nephrology	10,763	10	Microscopic hematuria (367)
Public	Pediatric Nephrology	15,440	1	Elevated blood-pressure reading without diagnosis of hypertension (2,218)
Public	Pediatric Nephrology	15,440	2	Essential hypertension (1,897)
Public	Pediatric Nephrology	15,440	3	Hypertensive disorder (1,607)
Public	Pediatric Nephrology	15,440	4	Elevated blood pressure (1,420)
Public	Pediatric Nephrology	15,440	5	Proteinuria (1,172)
Public	Pediatric Nephrology	15,440	6	Chronic kidney disease stage 1 (1,090)
Public	Pediatric Nephrology	15,440	7	Kidney disease (951)
Public	Pediatric Nephrology	15,440	8	Secondary hypertension (940)
Public	Pediatric Nephrology	15,440	9	Postoperative state (927)
Public	Pediatric Nephrology	15,440	10	Vitamin D deficiency (863)
Unknown/Self-Pay	Pediatric Nephrology	3,350	1	Elevated blood-pressure reading without diagnosis of hypertension (413)
Unknown/Self-Pay	Pediatric Nephrology	3,350	2	Essential hypertension (286)
Unknown/Self-Pay	Pediatric Nephrology	3,350	3	Hypertensive disorder (270)
Unknown/Self-Pay	Pediatric Nephrology	3,350	4	Elevated blood pressure (177)
Unknown/Self-Pay	Pediatric Nephrology	3,350	5	Proteinuria (176)
Unknown/Self-Pay	Pediatric Nephrology	3,350	6	Kidney disease (173)
Unknown/Self-Pay	Pediatric Nephrology	3,350	7	Secondary hypertension (172)
Unknown/Self-Pay	Pediatric Nephrology	3,350	8	Postoperative state (172)
Unknown/Self-Pay	Pediatric Nephrology	3,350	9	Acute disease (163)
Unknown/Self-Pay	Pediatric Nephrology	3,350	10	Kidney stone (158)
Overall	Pediatric Pulmonology	74,650	1	Snoring (13,766)
Overall	Pediatric Pulmonology	74,650	2	Obstructive sleep apnea syndrome (11,634)
Overall	Pediatric Pulmonology	74,650	3	Cough (10,947)
Overall	Pediatric Pulmonology	74,650	4	Uncomplicated mild persistent asthma (9,957)
Overall	Pediatric Pulmonology	74,650	5	Allergic rhinitis (8,509)
Overall	Pediatric Pulmonology	74,650	6	Gastroesophageal reflux disease (8,267)
Overall	Pediatric Pulmonology	74,650	7	Asthma (8,260)
Overall	Pediatric Pulmonology	74,650	8	Uncomplicated moderate persistent asthma (7,203)
Overall	Pediatric Pulmonology	74,650	9	Mild intermittent asthma (6,825)
Overall	Pediatric Pulmonology	74,650	10	Dyspnea (5,315)
Private	Pediatric Pulmonology	21,767	1	Snoring (3,798)
Private	Pediatric Pulmonology	21,767	2	Cough (3,531)
Private	Pediatric Pulmonology	21,767	3	Obstructive sleep apnea syndrome (3,129)
Private	Pediatric Pulmonology	21,767	4	Uncomplicated mild persistent asthma (2,754)
Private	Pediatric Pulmonology	21,767	5	Gastroesophageal reflux disease (2,290)
Private	Pediatric Pulmonology	21,767	6	Asthma (2,081)
Private	Pediatric Pulmonology	21,767	7	Allergic rhinitis (1,898)
Private	Pediatric Pulmonology	21,767	8	Mild intermittent asthma (1,878)
Private	Pediatric Pulmonology	21,767	9	Dyspnea (1,669)
Private	Pediatric Pulmonology	21,767	10	Uncomplicated moderate persistent asthma (1,553)
Public	Pediatric Pulmonology	44,864	1	Snoring (9,096)
Public	Pediatric Pulmonology	44,864	2	Obstructive sleep apnea syndrome (7,658)
Public	Pediatric Pulmonology	44,864	3	Cough (6,559)
Public	Pediatric Pulmonology	44,864	4	Uncomplicated mild persistent asthma (6,281)
Public	Pediatric Pulmonology	44,864	5	Asthma (5,718)

(continued)

Insurer	Specialty	Denom	Rank	Diagnosis (n)
Public	Pediatric Pulmonology	44,864	6	Allergic rhinitis (5,653)
Public	Pediatric Pulmonology	44,864	7	Gastroesophageal reflux disease (5,429)
Public	Pediatric Pulmonology	44,864	8	Uncomplicated moderate persistent asthma (4,924)
Public	Pediatric Pulmonology	44,864	9	Mild intermittent asthma (4,044)
Public	Pediatric Pulmonology	44,864	10	Postoperative state (3,370)
Unknown/Self-Pay	Pediatric Pulmonology	8,019	1	Allergic rhinitis (958)
Unknown/Self-Pay	Pediatric Pulmonology	8,019	2	Uncomplicated mild persistent asthma (922)
Unknown/Self-Pay	Pediatric Pulmonology	8,019	3	Mild intermittent asthma (903)
Unknown/Self-Pay	Pediatric Pulmonology	8,019	4	Snoring (872)
Unknown/Self-Pay	Pediatric Pulmonology	8,019	5	Cough (857)
Unknown/Self-Pay	Pediatric Pulmonology	8,019	6	Obstructive sleep apnea syndrome (847)
Unknown/Self-Pay	Pediatric Pulmonology	8,019	7	IgE-mediated allergic asthma (784)
Unknown/Self-Pay	Pediatric Pulmonology	8,019	8	Uncomplicated moderate persistent asthma (726)
Unknown/Self-Pay	Pediatric Pulmonology	8,019	9	Allergic asthma (716)
Unknown/Self-Pay	Pediatric Pulmonology	8,019	10	Mild persistent asthma (554)
Overall	Pediatric Rheumatology	23,271	1	Joint pain (1,948)
Overall	Pediatric Rheumatology	23,271	2	Musculoskeletal pain (1,815)
Overall	Pediatric Rheumatology	23,271	3	Regimes and therapies (1,208)
Overall	Pediatric Rheumatology	23,271	4	Anti-nuclear factor positive (1,160)
Overall	Pediatric Rheumatology	23,271	5	Diet education (1,137)
Overall	Pediatric Rheumatology	23,271	6	Dietary management education, guidance, and counseling (1,129)
Overall	Pediatric Rheumatology	23,271	7	Hypermobility syndrome (1,095)
Overall	Pediatric Rheumatology	23,271	8	Talipes planus (959)
Overall	Pediatric Rheumatology	23,271	9	Multiple joint pain (953)
Overall	Pediatric Rheumatology	23,271	10	Eruption (927)
Private	Pediatric Rheumatology	8,146	1	Musculoskeletal pain (909)
Private	Pediatric Rheumatology	8,146	2	Joint pain (680)
Private	Pediatric Rheumatology	8,146	3	Anti-nuclear factor positive (434)
Private	Pediatric Rheumatology	8,146	4	Multiple joint pain (407)
Private	Pediatric Rheumatology	8,146	5	Regimes and therapies (403)
Private	Pediatric Rheumatology	8,146	6	Diffuse pain (386)
Private	Pediatric Rheumatology	8,146	7	Juvenile idiopathic arthritis (362)
Private	Pediatric Rheumatology	8,146	8	Hypermobility syndrome (331)
Private	Pediatric Rheumatology	8,146	9	Eruption (330)
Private	Pediatric Rheumatology	8,146	10	Fever (318)
Public	Pediatric Rheumatology	11,521	1	Joint pain (1,035)
Public	Pediatric Rheumatology	11,521	2	Musculoskeletal pain (733)
Public	Pediatric Rheumatology	11,521	3	Anti-nuclear factor positive (621)
Public	Pediatric Rheumatology	11,521	4	Regimes and therapies (612)
Public	Pediatric Rheumatology	11,521	5	Hypermobility syndrome (558)
Public	Pediatric Rheumatology	11,521	6	Talipes planus (544)
Public	Pediatric Rheumatology	11,521	7	Chronic pain (496)
Public	Pediatric Rheumatology	11,521	8	Pain in lower limb (492)
Public	Pediatric Rheumatology	11,521	9	Long-term current use of drug therapy (467)
Public	Pediatric Rheumatology	11,521	10	Vitamin D deficiency (459)
Unknown/Self-Pay	Pediatric Rheumatology	3,604	1	Diet education (712)
Unknown/Self-Pay	Pediatric Rheumatology	3,604	2	Dietary management education, guidance, and counseling (706)
Unknown/Self-Pay	Pediatric Rheumatology	3,604	3	Finding of body mass index (390)
Unknown/Self-Pay	Pediatric Rheumatology	3,604	4	Counseling (291)
Unknown/Self-Pay	Pediatric Rheumatology	3,604	5	Routine care of newborn (266)
Unknown/Self-Pay	Pediatric Rheumatology	3,604	6	Increased body mass index (241)
Unknown/Self-Pay	Pediatric Rheumatology	3,604	7	Clinical finding (240)
Unknown/Self-Pay	Pediatric Rheumatology	3,604	8	Joint pain (233)
Unknown/Self-Pay	Pediatric Rheumatology	3,604	9	Talipes planus (212)
Unknown/Self-Pay	Pediatric Rheumatology	3,604	10	Hypermobility syndrome (206)
Overall	Pediatric Transplant Hepatology	3,527	1	Suicidal thoughts (392)
Overall	Pediatric Transplant Hepatology	3,527	2	Postoperative state (371)
Overall	Pediatric Transplant Hepatology	3,527	3	Disease of liver (355)

(continued)

Insurer	Specialty	Denom	Rank	Diagnosis (n)
Overall	Pediatric Transplant Hepatology	3,527	4	Depressive disorder (254)
Overall	Pediatric Transplant Hepatology	3,527	5	Intermittent explosive disorder (157)
Overall	Pediatric Transplant Hepatology	3,527	6	Respiratory distress (132)
Overall	Pediatric Transplant Hepatology	3,527	7	Aggressive behavior (132)
Overall	Pediatric Transplant Hepatology	3,527	8	Major depressive disorder (127)
Overall	Pediatric Transplant Hepatology	3,527	9	Disruptive mood dysregulation disorder (120)
Overall	Pediatric Transplant Hepatology	3,527	10	Immunosuppression (108)
Private	Pediatric Transplant Hepatology	244	1	Postoperative state (134)
Private	Pediatric Transplant Hepatology	244	2	Disease of liver (130)
Private	Pediatric Transplant Hepatology	244	3	Immunosuppression (46)
Private	Pediatric Transplant Hepatology	244	4	Disorder of bile duct (23)
Private	Pediatric Transplant Hepatology	244	5	Portal hypertension (19)
Private	Pediatric Transplant Hepatology	244	6	Enzyme level - finding (18)
Private	Pediatric Transplant Hepatology	244	7	Hypomagnesemia (17)
Private	Pediatric Transplant Hepatology	244	8	Measurement finding above reference range (14)
Private	Pediatric Transplant Hepatology	244	9	Congenital biliary atresia (12)
Private	Pediatric Transplant Hepatology	244	10	Cirrhosis of liver (<11)
Public	Pediatric Transplant Hepatology	1,389	1	Postoperative state (230)
Public	Pediatric Transplant Hepatology	1,389	2	Disease of liver (218)
Public	Pediatric Transplant Hepatology	1,389	3	Suicidal thoughts (148)
Public	Pediatric Transplant Hepatology	1,389	4	Depressive disorder (92)
Public	Pediatric Transplant Hepatology	1,389	5	Intermittent explosive disorder (89)
Public	Pediatric Transplant Hepatology	1,389	6	Aggressive behavior (76)
Public	Pediatric Transplant Hepatology	1,389	7	Immunosuppression (61)
Public	Pediatric Transplant Hepatology	1,389	8	Respiratory distress (56)
Public	Pediatric Transplant Hepatology	1,389	9	Disruptive mood dysregulation disorder (56)
Public	Pediatric Transplant Hepatology	1,389	10	Major depressive disorder (51)
Unknown/Self-Pay	Pediatric Transplant Hepatology	1,894	1	Suicidal thoughts (240)
Unknown/Self-Pay	Pediatric Transplant Hepatology	1,894	2	Depressive disorder (156)
Unknown/Self-Pay	Pediatric Transplant Hepatology	1,894	3	Respiratory distress (75)
Unknown/Self-Pay	Pediatric Transplant Hepatology	1,894	4	Major depressive disorder (75)
Unknown/Self-Pay	Pediatric Transplant Hepatology	1,894	5	Intermittent explosive disorder (66)
Unknown/Self-Pay	Pediatric Transplant Hepatology	1,894	6	Disruptive mood dysregulation disorder (63)
Unknown/Self-Pay	Pediatric Transplant Hepatology	1,894	7	Aggressive behavior (56)
Unknown/Self-Pay	Pediatric Transplant Hepatology	1,894	8	Bronchiolitis (45)
Unknown/Self-Pay	Pediatric Transplant Hepatology	1,894	9	Seizure (41)
Unknown/Self-Pay	Pediatric Transplant Hepatology	1,894	10	Posttraumatic stress disorder (35)
Overall	Rehabilitation	62,413	1	Muscle weakness (7,168)
Overall	Rehabilitation	62,413	2	Asthenia (6,355)
Overall	Rehabilitation	62,413	3	Abnormal gait (5,267)
Overall	Rehabilitation	62,413	4	Developmental delay (3,841)
Overall	Rehabilitation	62,413	5	Cerebral palsy (3,083)
Overall	Rehabilitation	62,413	6	Concussion with no loss of consciousness (3,073)
Overall	Rehabilitation	62,413	7	Incoordination (3,019)
Overall	Rehabilitation	62,413	8	Preventive procedure (2,936)
Overall	Rehabilitation	62,413	9	Prevention status (2,935)
Overall	Rehabilitation	62,413	10	Abnormal posture (2,545)
Private	Rehabilitation	26,612	1	Preventive procedure (2,351)
Private	Rehabilitation	26,612	2	Prevention status (2,348)
Private	Rehabilitation	26,612	3	Pharyngitis (1,638)
Private	Rehabilitation	26,612	4	Concussion with no loss of consciousness (1,573)
Private	Rehabilitation	26,612	5	Upper respiratory infection (1,506)
Private	Rehabilitation	26,612	6	Acute pharyngitis (1,216)
Private	Rehabilitation	26,612	7	Finding of body mass index (1,158)
Private	Rehabilitation	26,612	8	Muscle weakness (1,042)
Private	Rehabilitation	26,612	9	Mild intermittent asthma (1,013)
Private	Rehabilitation	26,612	10	Concussion injury of body structure (929)
Public	Rehabilitation	29,279	1	Muscle weakness (3,142)
Public	Rehabilitation	29,279	2	Abnormal gait (3,136)
Public	Rehabilitation	29,279	3	Developmental delay (2,914)
Public	Rehabilitation	29,279	4	Asthenia (2,551)
Public	Rehabilitation	29,279	5	Cerebral palsy (2,479)

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Insurer	Specialty	Denom	Rank	Diagnosis (n)
Public	Rehabilitation	29,279	6	Spasticity (2,061)
Public	Rehabilitation	29,279	7	Tetraplegic cerebral palsy (2,049)
Public	Rehabilitation	29,279	8	Impaired mobility (1,684)
Public	Rehabilitation	29,279	9	Incoordination (1,643)
Public	Rehabilitation	29,279	10	Postoperative state (1,553)
Unknown/Self-Pay	Rehabilitation	6,522	1	Asthenia (3,004)
Unknown/Self-Pay	Rehabilitation	6,522	2	Muscle weakness (2,984)
Unknown/Self-Pay	Rehabilitation	6,522	3	Abnormal posture (1,463)
Unknown/Self-Pay	Rehabilitation	6,522	4	Abnormal gait (1,411)
Unknown/Self-Pay	Rehabilitation	6,522	5	Incoordination (1,003)
Unknown/Self-Pay	Rehabilitation	6,522	6	Finding related to ability to mobilize (959)
Unknown/Self-Pay	Rehabilitation	6,522	7	Torticollis (654)
Unknown/Self-Pay	Rehabilitation	6,522	8	Disorder of skeletal muscle (631)
Unknown/Self-Pay	Rehabilitation	6,522	9	Increased muscle tone (579)
Unknown/Self-Pay	Rehabilitation	6,522	10	Reduced mobility (553)
Overall	Sleep Medicine	5,671	1	Obstructive sleep apnea syndrome (2,817)
Overall	Sleep Medicine	5,671	2	Sleep disorder (842)
Overall	Sleep Medicine	5,671	3	Snoring (812)
Overall	Sleep Medicine	5,671	4	Anomaly of chromosome pair 21 (773)
Overall	Sleep Medicine	5,671	5	Hypoxemia (725)
Overall	Sleep Medicine	5,671	6	Abnormal breathing (576)
Overall	Sleep Medicine	5,671	7	Obesity (474)
Overall	Sleep Medicine	5,671	8	Sleep apnea (433)
Overall	Sleep Medicine	5,671	9	Periodic limb movement disorder (375)
Overall	Sleep Medicine	5,671	10	Complete trisomy 21 syndrome (368)
Private	Sleep Medicine	1,162	1	Obstructive sleep apnea syndrome (709)
Private	Sleep Medicine	1,162	2	Anomaly of chromosome pair 21 (260)
Private	Sleep Medicine	1,162	3	Hypoxemia (215)
Private	Sleep Medicine	1,162	4	Sleep disorder (187)
Private	Sleep Medicine	1,162	5	Complete trisomy 21 syndrome (146)
Private	Sleep Medicine	1,162	6	Snoring (138)
Private	Sleep Medicine	1,162	7	Abnormal breathing (119)
Private	Sleep Medicine	1,162	8	Periodic limb movement disorder (106)
Private	Sleep Medicine	1,162	9	Trisomy and partial trisomy of autosome (95)
Private	Sleep Medicine	1,162	10	Dependence on supplemental oxygen (87)
Public	Sleep Medicine	3,416	1	Obstructive sleep apnea syndrome (1,849)
Public	Sleep Medicine	3,416	2	Sleep disorder (592)
Public	Sleep Medicine	3,416	3	Snoring (562)
Public	Sleep Medicine	3,416	4	Anomaly of chromosome pair 21 (506)
Public	Sleep Medicine	3,416	5	Hypoxemia (500)
Public	Sleep Medicine	3,416	6	Abnormal breathing (426)
Public	Sleep Medicine	3,416	7	Obesity (387)
Public	Sleep Medicine	3,416	8	Sleep apnea (316)
Public	Sleep Medicine	3,416	9	Dependence on enabling machine or device (257)
Public	Sleep Medicine	3,416	10	Periodic limb movement disorder (249)
Unknown/Self-Pay	Sleep Medicine	1,093	1	Obstructive sleep apnea syndrome (259)
Unknown/Self-Pay	Sleep Medicine	1,093	2	Snoring (112)
Unknown/Self-Pay	Sleep Medicine	1,093	3	Sickling disorder due to hemoglobin S (92)
Unknown/Self-Pay	Sleep Medicine	1,093	4	Hemoglobin SS disease without crisis (73)
Unknown/Self-Pay	Sleep Medicine	1,093	5	Sleep disorder (63)
Unknown/Self-Pay	Sleep Medicine	1,093	6	Disturbance in sleep behavior (61)
Unknown/Self-Pay	Sleep Medicine	1,093	7	Sleep apnea (53)
Unknown/Self-Pay	Sleep Medicine	1,093	8	Finding of respiration (50)
Unknown/Self-Pay	Sleep Medicine	1,093	9	Childhood obesity (47)
Unknown/Self-Pay	Sleep Medicine	1,093	10	Obesity (44)
Overall	Sports Medicine	31,885	1	Chronic pain (1,931)
Overall	Sports Medicine	31,885	2	Pain in lower limb (1,617)
Overall	Sports Medicine	31,885	3	Acute pain (1,529)
Overall	Sports Medicine	31,885	4	Patellofemoral stress syndrome (1,399)
Overall	Sports Medicine	31,885	5	Foot pain (1,321)
Overall	Sports Medicine	31,885	6	Low back pain (1,224)

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Insurer	Specialty	Denom	Rank	Diagnosis (n)
Overall	Sports Medicine	31,885	7	Joint pain (1,223)
Overall	Sports Medicine	31,885	8	Sprain of ankle (1,212)
Overall	Sports Medicine	31,885	9	Concussion with no loss of consciousness (1,171)
Overall	Sports Medicine	31,885	10	Pain in right knee (1,140)
Private	Sports Medicine	15,575	1	Acute pain (649)
Private	Sports Medicine	15,575	2	Foot pain (604)
Private	Sports Medicine	15,575	3	Displacements - bone (598)
Private	Sports Medicine	15,575	4	Chronic pain (598)
Private	Sports Medicine	15,575	5	Hip pain (500)
Private	Sports Medicine	15,575	6	Scoliosis deformity of spine (495)
Private	Sports Medicine	15,575	7	Injury of right leg (450)
Private	Sports Medicine	15,575	8	Ankle pain (449)
Private	Sports Medicine	15,575	9	Shoulder pain (435)
Private	Sports Medicine	15,575	10	Pain in lower limb (420)
Public	Sports Medicine	13,754	1	Chronic pain (1,093)
Public	Sports Medicine	13,754	2	Pain in lower limb (961)
Public	Sports Medicine	13,754	3	Patellofemoral stress syndrome (928)
Public	Sports Medicine	13,754	4	Joint pain (809)
Public	Sports Medicine	13,754	5	Pain in right knee (787)
Public	Sports Medicine	13,754	6	Pain in left knee (757)
Public	Sports Medicine	13,754	7	Sprain of ankle (700)
Public	Sports Medicine	13,754	8	Acute pain (678)
Public	Sports Medicine	13,754	9	Low back pain (661)
Public	Sports Medicine	13,754	10	Talipes planus (628)
Unknown/Self-Pay	Sports Medicine	2,556	1	Chronic pain (240)
Unknown/Self-Pay	Sports Medicine	2,556	2	Pain in lower limb (236)
Unknown/Self-Pay	Sports Medicine	2,556	3	Arthralgia of the ankle and/or foot (231)
Unknown/Self-Pay	Sports Medicine	2,556	4	Concussion with no loss of consciousness (217)
Unknown/Self-Pay	Sports Medicine	2,556	5	Acute pain (202)
Unknown/Self-Pay	Sports Medicine	2,556	6	Physical activity finding (201)
Unknown/Self-Pay	Sports Medicine	2,556	7	Sprain of ankle (178)
Unknown/Self-Pay	Sports Medicine	2,556	8	Joint pain (148)
Unknown/Self-Pay	Sports Medicine	2,556	9	Low back pain (144)
Unknown/Self-Pay	Sports Medicine	2,556	10	Foot pain (129)

Denominator is all patients with generalist outpatient visit in that subspecialty for that insurer class (or overall) (see table 5)
Numerator is all patients in denominator who also had at least one specialist outpatient outpatient visit for that diagnosis

Table 9: Regression analysis of referral patterns

The following ignores the repeated measures since each person can belong to at least one denominator year. Computing those effects isn't trivial as there are almost two million distinct patients.

Term	Any Specialist Outpatient Visit		New Specialist Outpatient Visit	
	Odds Ratio	p-value	Odds Ratio	p-value
Male vs Female	1.03 (1.02-1.05)	0.000	1.01 (0.99-1.02)	0.423
Age (vs <1 Infant)				
1 – 4 (early childhood)	0.78 (0.76-0.79)	0.000	0.48 (0.46-0.49)	0.000
5 – 11 (middle childhood)	0.78 (0.77-0.79)	0.000	0.45 (0.44-0.46)	0.000
12 – 17 (adolescence)	0.99 (0.97-1.01)	0.366	0.54 (0.53-0.55)	0.000
18 – 20 (young adulthood)	0.61 (0.59-0.64)	0.000	0.30 (0.28-0.33)	0.000
Race/Eth (vs White, non-Hispanic)				
Asian/PI	0.87 (0.85-0.90)	0.000	0.94 (0.90-0.98)	0.004
Black/AA, non-Hispanic	0.84 (0.83-0.86)	0.000	0.85 (0.83-0.87)	0.000
Hispanic	0.93 (0.91-0.95)	0.000	0.97 (0.95-1.00)	0.065
Multiple	0.98 (0.94-1.02)	0.266	0.97 (0.92-1.02)	0.244
Other/Unknown	0.57 (0.56-0.59)	0.000	0.77 (0.74-0.79)	0.000
Year (vs 2011)				
2012	0.98 (0.95-1.02)	0.350	0.49 (0.47-0.51)	0.000
2013	1.02 (0.99-1.06)	0.159	0.45 (0.43-0.47)	0.000
2014	1.07 (1.04-1.11)	0.000	0.44 (0.42-0.46)	0.000
2015	1.07 (1.03-1.10)	0.000	0.40 (0.38-0.41)	0.000
2016	1.07 (1.03-1.10)	0.000	0.37 (0.36-0.38)	0.000
2017	1.07 (1.04-1.10)	0.000	0.35 (0.34-0.36)	0.000
2018	1.08 (1.05-1.12)	0.000	0.35 (0.34-0.37)	0.000
2019	1.15 (1.11-1.19)	0.000	0.36 (0.35-0.38)	0.000
2020	0.93 (0.90-0.96)	0.000	0.27 (0.25-0.28)	0.000
2021	1.05 (1.02-1.08)	0.003	0.35 (0.34-0.36)	0.000
Payer (vs Private)				
Public	1.63 (1.60-1.65)	0.000	1.19 (1.16-1.21)	0.000
Unknown/Self-Pay	1.78 (1.72-1.83)	0.000	2.09 (2.00-2.18)	0.000
Anonymized Site (vs site A)				
B	0.66 (0.63-0.68)	0.000	0.88 (0.84-0.92)	0.000
C	2.66 (2.55-2.78)	0.000	2.26 (2.13-2.39)	0.000
D	1.42 (1.35-1.49)	0.000	1.80 (1.68-1.93)	0.000
E	0.50 (0.48-0.51)	0.000	0.96 (0.91-1.01)	0.087
F	0.58 (0.57-0.61)	0.000	1.08 (1.03-1.14)	0.001
G	0.83 (0.79-0.88)	0.000	1.41 (1.32-1.52)	0.000
H	0.76 (0.73-0.79)	0.000	1.37 (1.30-1.45)	0.000