

Table 4.16: Number of Hospitalizations, Average Length of Hospital Stay (LOS), Hospital Charges¹, and Outpatient Visits for Significant Pediatric Arthritis and Other Rheumatologic Conditions (SPARC) Among Juveniles and Youth Age 20 & Under, by Sex and Age, United States 2008-2012

	Hospitalizations with Any SPARC Diagnoses [3]								
	Total	Sex		Age					
		Male	Female	<1 Year	1 to 5 years	6 to 10 years	11 to 13 years	14 to 17 years	18 to 20 years
Juvenile arthritis condition diagnoses (JA) (in 1,000s)	104.4	48.4	55.9	10.9	20.2	14.0	10.3	20.4	28.4
Mean LOS (days)	8.0	8.8	7.2	23.4	6.5	5.9	6.8	6.4	5.6
Mean hospital charges (in \$1,000s)	\$ 79.90	\$ 91.50	\$ 69.80	\$ 217.80	\$ 67.20	\$ 62.80	\$ 76.80	\$ 67.40	\$ 52.60
Total hospital charges (in millions)	\$ 8,341.6	\$ 4,428.6	\$ 3,901.8	\$ 2,374.0	\$ 1,357.4	\$ 879.2	\$ 791.0	\$ 1,375.0	\$ 1,493.8
Juvenile idiopathic arthritis (JIA)[2] (in 1,000s)	4.0	1.2	2.9	*	0.4	0.4	0.6	1.1	1.4
Mean LOS (days)	4.6	4.8	4.6	*	5.9	4.0	4.9	4.7	4.2
Mean hospital charges (in \$1,000s)	\$ 39.30	\$ 36.80	\$ 40.40	*	\$ 58.10	\$ 34.40	\$ 45.50	\$ 40.00	\$ 31.70
Total hospital charges (in millions)	\$ 157.2	\$ 44.2	\$ 117.2	*	\$ 23.2	\$ 13.8	\$ 27.3	\$ 44.0	\$ 44.4
Proportion JIA to total JA	3.8%	2.5%	5.2%	*	2.0%	2.9%	5.8%	5.4%	4.9%
Primary (1st) diagnosis of JA (in 1,000s)	25.2	12.6	12.7	1.4	8.6	4.7	2.7	4.0	3.8
Mean LOS (days)	3.7	3.5	3.8	4.2	3.2	3.3	3.9	4.0	4.5
Mean hospital charges (in \$1,000s)	\$ 35.60	\$ 33.40	\$ 37.80	\$ 31.3	\$ 26.80	\$ 32.20	\$ 41.10	\$ 47.40	\$ 43.00
Total hospital charges (in millions)	\$ 897.1	\$ 420.8	\$ 480.1	\$ 43.8	\$ 230.5	\$ 151.3	\$ 111.0	\$ 189.6	\$ 163.4
Proportion primary JA to total JA	24.1%	26.0%	22.7%	12.8%	42.6%	33.6%	26.2%	19.6%	13.4%
Primary (1st) diagnosis a chronic condition (in 1,000s)	15.6	6.9	8.7	1.0	5.5	2.3	1.6	2.6	2.5
Proportion chronic to total primary JA	61.9%	54.8%	68.5%	71.4%	64.0%	48.9%	59.3%	65.0%	65.8%
Primary (1st) diagnosis chronic musculoskeletal condition (in 1,000s)	12.1	5.7	6.4	0.3	2.6	2.2	1.6	2.7	2.6
Proportion musculoskeletal chronic to total primary JA	48.0%	45.2%	50.4%	21.4%	30.2%	46.8%	59.3%	67.5%	68.4%

	Outpatient Visits with Any SPARC Diagnoses					
	Total	Male	Female	0 to 6	7 to 12	13 to 17 years
				years	years	
Emergency room visits [4]						
All juvenile arthritis conditions (JA) (in 1,000s)	443.0	228.4	214.6	139.9	130.5	172.7
Juvenile rheumatoid arthritis (JRA) (in 1,000s)	5.4	1.8	3.6	1.0	1.7	2.8
Proportion JRA to total JA	1.2%	0.8%	1.7%	0.7%	1.3%	1.6%
Physician office visits [5]						
All juvenile arthritis conditions (JA) (in 1,000s)	1,065.4	533.9	531.5	*	*	604.4
Juvenile rheumatoid arthritis (JRA) (in 1,000s)	*	*	*	*	*	*
Proportion JRA to total JA	*	*	*	*	*	*
Outpatient clinic visits [6]						
All juvenile arthritis conditions (JA) (in 1,000s)	282.5	124.9	157.6	59.2	106.9	116.4
Juvenile rheumatoid arthritis (JRA) (in 1,000s)	47.5	*	33.3	*	*	*
Proportion JRA to total JA	16.8%	*	21.1%	*	*	*
Total Outpatient Visits						
All juvenile arthritis conditions (JA) (in 1,000s)	1,790.9	887.2	903.7	343.5	553.9	893.5
Juvenile rheumatoid arthritis (JRA) (in 1,000s)	93.7	33.4	60.0	20.3	37.2	36.4
Proportion JRA to total JA	5.2%	3.8%	6.6%	5.9%	6.7%	4.1%

* Estimates do not meet standards for reliability.

[1] Average charges are based on individual record discharges. The fees included may vary from patient to patient, but generally include hospital room, supplies, medications, laboratory fees, and care staff, such as nurses. They generally do not include professional fees (doctors) and non-covered charges. In a small proportion of the discharge cases, professional fees (doctors) are not removed from total charges because the data source cannot provide the information. Emergency charges incurred prior to admission to the hospital may be included in total charges. Medicare requires a bundled bill for Medicare patients admitted to the hospital through the emergency department; other payers may or may not have similar requirements.

[2] Previously known as juvenile rheumatoid arthritis (JRA).

[3] Source: HCUP Kids' Inpatient Database (KID). Healthcare Cost and Utilization Project (HCUP). 2012. Agency for Healthcare Research and Quality, Rockville, MD. www.hcup-us.ahrq.gov/kidoverview.jsp

[4] Source: HCUP Nationwide Emergency Department Sample (NEDS). Healthcare Cost and Utilization Project (HCUP). 2010. Agency for Healthcare Research and Quality, Rockville, MD. www.hcup-us.ahrq.gov/nedsoverview.jsp

[5] Source: National Ambulatory Medical Care Survey (NAMCS), 2008-2010. www.cdc.gov/nchs/ahcd/ahcd_questionnaires.htm April 23, 2013.

[6] Source: National Hospital Ambulatory Medical Care Survey_Outpatient Department (NHAMCS_OP), 2008-2010. www.cdc.gov/nchs/ahcd/ahcd_questionnaires.htm April 23, 2013.