

**Table 3A.5.1.4: Number of Inpatient Arthroplasty Procedures by Type, by Geographic Region, United States, 2013**

	Northeast		Midwest		South		West		All Persons
	Number of Procedures	% of Total Procedures	Number of Procedures	% of Total Procedures	Number of Procedures	% of Total Procedures	Number of Procedures	% of Total Procedures	Total Number of Procedures
All Hip Replacement Procedures	94,400	19.1%	124,095	25.1%	172,930	35.0%	102,260	20.7%	493,685
Total Hip Replacement [1]	68,815	20.0%	88,250	25.7%	115,080	33.5%	71,480	20.8%	343,625
Partial Hip Replacement [2]	15,815	16.3%	22,355	23.0%	39,445	40.6%	19,550	20.1%	97,165
Revision Hip Replacement [3]	9,025	18.0%	12,415	24.7%	17,905	35.7%	10,820	21.6%	50,165
Hip Resurfacing Procedures [4]	905	24.7%	1,280	34.9%	830	22.6%	650	17.7%	3,665
All Knee Replacement Procedures	122,145	16.9%	196,770	27.2%	262,280	36.3%	141,665	19.6%	722,860
Total Knee Replacement [5]	112,050	16.9%	180,650	27.3%	239,760	36.2%	130,085	19.6%	662,545
Revision Knee Replacement [6]	10,280	16.8%	16,295	26.7%	22,785	37.3%	11,745	19.2%	61,105
All Shoulder Replacement Procedures [7]	7,255	16.0%	12,175	26.9%	15,620	34.5%	10,285	22.7%	45,335
All Lower Extremity Replacement Procedures [8]	570	12.4%	1,335	29.1%	1,415	30.8%	1,275	27.7%	4,595
All Upper Extremity Replacement Procedures [9]	1,505	15.2%	2,545	25.7%	3,505	35.4%	2,360	23.8%	9,915
All Spine Replacement Procedures [10]	710	16.2%	710	16.2%	1,610	36.8%	1,350	30.8%	4,380
All Joint Replacement Procedures	226,535	17.7%	337,500	26.4%	457,155	35.7%	259,075	20.2%	1,280,265
Proportion Total Population		17.7%		21.4%		37.4%		23.5%	
Rate per 100 Persons		0.40		0.50		0.39		0.35	0.40

[1] Includes ICD-9-CM procedure codes for total hip (81.51).

[2] Includes ICD-9-CM procedure codes for partial hip (81.52).

[3] Includes ICD-9-CM procedure codes for revision hip (81.53, 00.70, 00.71).

[4] Includes ICD-9-CM procedure codes for hip resurfacing (00.85, 00.86).

[5] Includes ICD-9-CM procedure codes for total knee (81.54).

[6] Includes ICD-9-CM procedure codes for revision knee (81.55, 00.80, 00.81).

[7] Includes ICD-9-CM procedure codes for shoulder (81.80, 81.81).

[8] Includes ICD-9-CM procedure codes for ankle, foot, toe (81.56, 81.57, 81.59).

[9] Includes ICD-9-CM procedure codes for elbow, wrist, hand, finger (81.84, 81.71, 81.73, 81.97).

[10] Includes ICD-9-CM procedure codes for spine (84.60 thru 84.69).

Source: HCUP National Inpatient Sample (NIS). Healthcare Cost and Utilization Project (HCUP). 2013. Agency for Healthcare Research and Quality, Rockville, MD. [www.hcup-us.ahrq.gov/nisoverview.jsp](http://www.hcup-us.ahrq.gov/nisoverview.jsp)