

**Table 7B.4.4: Arthroplasty Procedures by Type, by Age, United States 2013**

	Age in Years								All Persons Number of Procedures	% All Joint Replacement Procedures
	< 18		18 to 44		45 to 64		65 & Older			
	Number of Procedures	% Total Procedures	Number of Procedures	% Total Procedures	Number of Procedures	% Total Procedures	Number of Procedures	% Total Procedures		
All Hip Replacement Procedures	325	0.1%	18,490	3.7%	173,500	35.1%	301,370	61.0%	493,685	38.6%
Total Hip Replacement [1]	195	0.1%	15,265	4.4%	144,405	42.0%	183,760	53.5%	343,625	26.8%
Partial Hip Replacement [2]	*	*	490	0.5%	7,635	7.9%	88,960	91.6%	97,165	7.6%
Revision Hip Replacement [3]	*	*	2,145	4.3%	19,050	38.0%	28,930	57.7%	50,165	3.9%
Hip Resurfacing Procedures [4]	*	*	665	18.1%	2,765	75.4%	215	5.9%	3,665	0.3%
All Knee Replacement Procedures	235	0.0%	11,870	1.6%	297,615	41.2%	413,140	57.2%	722,860	56.5%
Total Knee Replacement [5]	*	*	10,030	1.5%	271,170	40.9%	381,205	57.5%	662,545	51.8%
Revision Knee Replacement [6]	*	*	1,850	3.0%	26,825	43.9%	32,335	52.9%	61,105	4.8%
All Shoulder Replacement Procedures [7]	*	*	1,305	2.9%	15,965	35.2%	28,025	61.8%	45,335	3.5%
All Lower Extremity Replacement Procedures [8]	*	*	285	6.2%	2,250	49.0%	2,030	44.2%	4,595	0.4%
All Upper Extremity Replacement Procedures [9]	*	*	1,150	11.6%	3,795	38.3%	4,875	49.2%	9,915	0.8%
All Spine Replacement Procedures [10]	*	*	1,870	42.7%	2,060	47.0%	425	9.7%	4,380	0.3%
All Joint Replacement Procedures	735	0.1%	34,945	2.7%	495,015	38.7%	749,565	58.5%	1,280,265	
Proportion Total Population		23.3%		36.3%		26.3%		14.1%		
Rate per 100 Persons		0.00		0.03		0.60		1.68	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)