

TABLE E-1 Distribution of Primary Total Hip Arthroplasties by Hospital Characteristics in 1997 and 2004

Hospital Characteristics	Primary Total Hip Arthroplasties (%)	
	1997	2004
Teaching status		
Yes	53.9	52.1
No	46.1	47.9
Ownership		
Public	7.9	9.0
Private	12.3	12.4
Nonprofit	79.8	78.6
Location		
Rural	14.7	14.5
Urban	85.3	85.5
No. of beds		
<150	16.9	20.1
150-299	28.3	28.7
300-499	30.4	28.9
≥500	24.4	22.3

TABLE E-2 Distribution of Primary Total Hip Arthroplasties by Charlson Comorbidity Index (1997 to 2004 Average)

Comorbidity Index	Distribution by Hospital Volume* (%)					Distribution by Surgeon Volume* (%)				
	1-10	11-25	26-50	51-100	>100	1-5	6-10	11-25	26-50	>50
0	37.5	34.5	35.1	38.6	40.1	35.5	36.5	37.4	39.3	40.5
1-2	50.0	41.6	41.4	39.2	39.5	40.7	40.3	40.4	40.2	38.5
3-5	12.5	17.1	18.6	17.3	15.9	18.3	18.4	17.4	15.9	16.3
>5	0.0	6.8	4.8	5.0	4.6	5.6	4.9	4.9	4.7	4.7
Total	100	100	100	100	100	100	100	100	100	100

*There was a significant difference between volume groups ($p < 0.05$).

TABLE E-3 Cumulative Number of Total Hip Arthroplasty Revisions in the 5% Medicare Data Stratified by Hospital and Surgeon Volume at 0.5, Two, Five, and Eight Years

Time	Hospital Volume	Surgeon Volume					Total*
		1-5	6-10	11-25	26-50	>50	
6 mo	1-10	0	0	0	0	0	0 (6)
	11-25	5	6	6	2	0	19 (1249)
	26-50	11	27	31	7	1	77 (6150)
	51-100	11	14	50	19	16	110 (8067)
	>100	4	5	28	29	18	84 (8233)
	Total*	31 (2611)	52 (3577)	115 (8151)	57 (5209)	35 (4157)	290 (23,705)
2 yr	1-10	0	0	0	0	0	0 (6)
	11-25	12	9	13	2	0	36 (943)
	26-50	23	42	68	14	1	148 (4433)
	51-100	20	32	87	59	30	228 (5879)
	>100	9	11	62	52	63	197 (5961)
	Total*	64 (1930)	94 (2582)	230 (5950)	127 (3717)	94 (3043)	609 (17,222)
5 yr	1-10	0	0	0	0	0	0 (2)
	11-25	18	10	20	4	0	52 (406)
	26-50	33	54	102	20	2	211 (1975)
	51-100	27	41	122	86	39	315 (2579)
	>100	13	17	78	72	92	272 (2604)
	Total*	91 (914)	122 (1156)	322 (2639)	182 (1573)	133 (1284)	850 (7566)
8 yr	1-10	0	0	0	0	0	0 (0)
	11-25	19	10	20	4	0	53 (145)
	26-50	38	59	115	21	3	236 (737)
	51-100	28	43	135	98	41	345 (1004)
	>100	14	17	80	79	99	289 (971)
	Total*	99 (349)	129 (432)	350 (1004)	202 (607)	143 (465)	923 (2857)

*The total number of primary hip arthroplasty patients in the group is given in parentheses