

TABLE E-1 Matched Markets with New Orthopaedic Specialty Hospitals, New Orthopaedic Programs at General Hospitals, and No New Orthopaedic Programs\*

Year 0	Specialty Hospital HRRs		Matched HRRs with No New Orthopaedic Hospital/Program Opened Between Year -2 to +2		Matched HRRs Having New Orthopaedic Hospital/Program Opened in Year 0 and Continued for More Than One Year	
	HRR No.	HRR Name	HRR No.	HRR Name	HRR No.	HRR Name
1995	397	Houston, TX	12	Phoenix, AZ	145	Augusta, GA
1997	43	Fresno, CA	259	Jackson, MS	123	Jacksonville, FL
	151	Boise, ID	119	Fort Myers, FL	367	Florence, SC
	371	Sioux Falls, SD	341	Bend, OR	179	Evansville, IN
1998	370	Rapid City, SD	424	Burlington, VT	1	Birmingham, AL
1999	339	Oklahoma City, OK	283	Camden, NJ	390	Corpus Christi, TX
2000	423	Salt Lake City, UT	130	Orlando, FL	418	Waco, TX
	196	Sioux City, IA	357	Pittsburgh, PA	210	Baton Rouge, LA
	388	Bryan, TX	411	San Angelo, TX	322	Fargo/Moorhead, MN
	312	Durham, NC	254	St. Cloud, MN	256	St. Paul, MN
	268	Kansas City, MO	270	Springfield, MO	279	Las Vegas, NV
	58	Modesto, CA	134	Pensacola, FL	380	Nashville, TN
2001	340	Tulsa, OK	110	Hartford, CT	144	Atlanta, GA
	393	El Paso, TX	293	Albuquerque, NM	402	McAllen, TX
2002	444	Huntington, WV	9	Tuscaloosa, AL	180	Fort Wayne, IN
	391	Dallas, TX	412	San Antonio, TX	278	Omaha, NE
2003	11	Mesa, AZ	129	Ocala, FL	183	Indianapolis, IN
	18	Jonesboro, AR	263	Cape Girardeau, MO	185	Muncie, IN
	330	Dayton, OH	107	Pueblo, CO	334	Toledo, OH
	152	Idaho Falls, ID	148	Rome, GA	201	Wichita, KS
	385	Austin, TX	421	Ogden, UT	379	Memphis, TN
	416	Tyler, TX	22	Texarkana, AR	205	Louisville, KY
	277	Lincoln, NE	318	Raleigh, NC	394	Fort Worth, TX
440	Spokane, WA	7	Montgomery, AL	344	Portland, OR	

\*HRR = hospital referral region.

TABLE E-2 Utilization (per 1000 Medicare Beneficiaries) of Primary and Revision Total Hip Arthroplasty in Markets with New Specialty Hospitals, New Orthopaedic Programs in General Hospitals, and No New Orthopaedic Programs

Year	Markets with New Specialty Hospitals* (1)	Markets with New Orthopaedic Programs in General Hospitals* (2)	Markets with No New Orthopaedic Programs* (3)	P Value (Columns 1 and 2)	P Value (Columns 1 and 3)
Primary total hip arthroplasty					
-2	3.05 (1.19)	2.70 (0.87)	2.78 (0.79)	0.29	0.27
-1	3.19 (1.09)	2.70 (0.88)	2.90 (0.94)	0.13	0.30
0	3.30 (1.14)	2.85 (1.00)	2.91 (0.90)	0.18	0.19
+1	3.38 (1.14)	2.96 (1.02)	3.04 (0.94)	0.21	0.26
+2	3.41 (1.09)	2.92 (0.99)	3.11 (0.88)	0.13	0.29
Revision total hip arthroplasty					
-2	0.68 (0.23)	0.60 (0.21)	0.66 (0.24)	0.30	0.82
-1	0.67 (0.25)	0.57 (0.20)	0.60 (0.18)	0.17	0.28
0	0.71 (0.21)	0.56 (0.17)	0.60 (0.20)	0.02	0.11
+1	0.70 (0.25)	0.63 (0.18)	0.60 (0.17)	0.33	0.14
+2	0.64 (0.19)	0.57 (0.18)	0.59 (0.23)	0.22	0.42

\*The values in parentheses are the standard deviation.

TABLE E-3 Utilization (per 1000 Medicare Beneficiaries) of Primary and Revision Total Knee Arthroplasty in Markets with New Specialty Hospitals, New Orthopaedic Programs in General Hospitals, and No New Orthopaedic Programs

Year	Markets with New Specialty Hospitals (1)	Markets with New Orthopaedic Programs in General Hospitals (2)	Markets with No New Orthopaedic Programs (3)	P Value (Columns 1 and 2)	P Value (Columns 1 and 3)
Primary total knee arthroplasty					
-2	6.57 (1.98)	5.93 (1.97)	5.90 (1.51)	0.31	0.19
-1	7.03 (2.20)	6.19 (2.01)	6.25 (1.76)	0.18	0.17
0	7.31 (2.55)	6.57 (2.25)	6.58 (1.93)	0.29	0.24
+1	7.93 (2.63)	6.99 (2.61)	6.88 (2.04)	0.20	0.09
+2	8.07 (2.48)	7.38 (2.55)	7.10 (2.13)	0.33	0.14
Revision total knee arthroplasty					
-2	0.56 (0.19)	0.50 (0.24)	0.55 (0.24)	0.38	0.88
-1	0.59 (0.24)	0.51 (0.20)	0.51 (0.24)	0.21	0.23
0	0.61 (0.23)	0.54 (0.22)	0.56 (0.23)	0.30	0.39
+1	0.65 (0.24)	0.56 (0.22)	0.59 (0.25)	0.16	0.32
+2	0.58 (0.21)	0.52 (0.19)	0.53 (0.18)	0.38	0.34

\*The values in parentheses are the standard deviation.