

TABLE E-1 Total Hip Replacement (THR) Recipients and Their Controls Compared on the Individual Discharge Diagnoses of the Charlson Comorbidity Index, Derived from Hospitalizations in the Year Before the THR (or the Equivalent Date for the Controls)

Diagnosis Associated with Hospitalization	THR Recipients (N = 28,469)	Controls (N=142,345)	Odds Ratio THR/Controls (95% Confidence Intervals)
Hospitalization with any of the listed diagnoses	3,490 (12.3%)	17,944 (12.6%)	0.97 (0.93, 1.01)
Hospital diagnosis in previous year:			
Acute myocardial infarction	134 (0.5%)	1,301 (0.9%)	0.51 (0.43, 0.61)
Old myocardial infarction	309 (1.1%)	1,594 (1.1%)	0.97 (0.86, 1.10)
Congestive heart failure	722 (2.5%)	5,158 (3.6%)	0.69 (0.64, 0.75)
Peripheral vascular disease	365 (1.3%)	2,191 (1.5%)	0.83 (0.74, 0.93)
Cerebrovascular disease	512 (1.8%)	3,612 (2.5%)	0.70 (0.64, 0.77)
Chronic pulmonary disease	983 (3.5%)	5,582 (3.9%)	0.88 (0.82, 0.94)
Dementia	68 (0.2%)	1,336 (0.9%)	0.25 (0.20, 0.32)
Paralysis	97 (0.3%)	975 (0.7%)	0.50 (0.40, 0.61)
Diabetes	728 (2.6%)	4,941 (3.5%)	0.73 (0.67, 0.79)
Renal failure	65 (0.2%)	514 (0.4%)	0.63 (0.49, 0.82)
Liver disease	25 (0.1%)	209 (0.2%)	0.60 (0.39, 0.91)
Peptic ulcers	339 (1.2%)	1,010 (0.7%)	1.69 (1.49, 1.91)
Solid cancers	730 (2.6%)	3,825 (2.7%)	0.95 (0.88, 1.03)
Leukemia/lymphoma	58 (0.2%)	388 (0.3%)	0.75 (0.57, 0.98)
Metastatic cancer	100 (0.4%)	851 (0.6%)	0.59 (0.48, 0.72)
Rheumatologic disease*	343 (1.2%)	648 (0.5%)	2.67 (2.34, 3.04)

*Rheumatologic diseases listed in the Charlson index are diffuse connective tissue disease, rheumatoid arthritis and other inflammatory polyarthropathies, and polymyalgia rheumatica.

TABLE E-2 Proportional Hazards Models of the 1996 Total Hip Replacement (THR) Recipients and Their Controls, Starting on Day of Surgery (Non-Black and Non-White Enrollees Omitted) *

	Hazard Ratio	95% Confidence Limits	
		Lower Limit	Upper Limit
Female (versus male)	0.63	0.62	0.64
Black (versus white)	1.01	0.96	1.06
Medicaid-eligible (versus not eligible)	1.87	1.80	1.93
Age			
66-69 yr	1.00	--	--
70-74 yr	1.48	1.43	1.54
75-79 yr	2.34	2.27	2.42
80-84 yr	3.80	3.67	3.93
85-99 yr	6.57	6.33	6.83
Hospital diagnosis in previous year:			
Acute myocardial infarction	1.84	1.71	1.99
Old myocardial infarction	2.11	1.98	2.25
Congestive heart failure	3.22	3.12	3.33
Peripheral vascular disease	2.62	2.48	2.76
Cerebrovascular disease	2.38	2.28	2.48
Chronic pulmonary disease	2.87	2.77	2.96
Dementia	3.30	3.10	3.50
Paralysis	2.80	2.59	3.02
Diabetes	2.69	2.60	2.79
Renal failure	5.46	4.99	5.98
Liver disease	4.74	4.06	5.53
Peptic ulcers	1.81	1.67	1.96
Solid cancers	2.55	2.45	2.66
Leukemia/lymphoma	4.63	4.14	5.17
Metastatic cancer	6.72	6.25	7.22
Rheumatologic disease**	2.53	2.31	2.76

*All models included the variables THR versus control, age, sex, race and Medicaid status.

In the diagnosis models, whether or not the subject had the listed hospital diagnosis in the previous year was added to the basic model. **Rheumatologic diseases were diffuse connective tissue disease, rheumatoid arthritis and other inflammatory polyarthropathies, and polymyalgia rheumatica.