TABLE E-1 Patient Demographic and Preoperative Characteristics*

Characteristic	Total Knee Arthroplasty		Total Hip Arthroplasty	
	Value (%)	Total No. of Patients†	Value (%)	Total No. of Patients†
Age (yr)		28,682		17,640
Mean (and SD)	67.1 ± 10.2		65.0 ± 12.4	
<60	6650 (23.2)		5672 (32.2)	
60 to 69	10,109 (35.2)		5483 (31.1)	
70 to 79	8562 (29.9)		4174 (23.7)	
≥80	3361 (11.7)		2311 (13.1)	
Sex		28,552		17,561
Male	10,437 (36.6)		7777 (44.3)	
Female	18,115 (63.4)		9784 (55.7)	
Body mass index† (kg/m²)		28,535		17,514
Mean (and SD)	32.7 ± 7.3		29.8 ± 6.5	
<30.0	11,320 (39.7)		10,107 (57.7)	
30.0 to 39.9	13,060 (45.8)		6187 (35.3)	
≥40.0	4155 (14.6)		1220 (7.0)	
Operative time (minutes)		28,680		17,638
Mean (and SD)	96.2 ± 38.1		97.6 ± 42.9	
≤1 SD above mean (134 minutes)	25,310 (88.2)		15,467 (87.7)	
>1 SD above mean (134 minutes)	3370 (11.8)		2171 (12.3)	
ASA classification‡		28,635		17,628
1 or 2	14,644 (51.1)		10,018 (56.8)	
3 or 4	13,991 (48.9)		7610 (43.2)	
Race		26,155		15,959
White	23,331 (89.2)		14,541 (91.1)	
Black	1904 (7.3)		1123 (7.0)	
Other	920 (3.5)		295 (1.8)	
Type of anesthesia		28,682		17,640
General	15,011 (52.3)		10,457 (59.3)	
Spinal or epidural	12,075 (42.1)		6435 (36.5)	
Other	1596 (5.6)		748 (4.2)	
Medical comorbidities				
Diabetes	5141 (17.9)	28,682	1993 (11.3)	17,640
Diabetes requiring insulin	1219 (4.3)	28,682	500 (2.8)	17,640
Smoking (current smoker within 1 year)	2426 (8.5)	28,682	2460 (13.9)	17,640
Pack-years: ≥40	1255 (7.8)	16,022	876 (9.7)	9031
Regular alcohol use§	455 (2.3)	19,902	423 (3.7)	11,401
Chronic obstructive pulmonary disease	1027 (3.6)	28,682	769 (4.4)	17,640
Hypertension requiring medication	19,672 (68.6)	28,682	10,299 (58.4)	17,640
Preop. albumin level: ≤3.5 g/dL	1010 (7.7)	13,042	701 (8.6)	8151
Preop. sodium level: ≤135 mEq/L	1833 (7.0)	26,059	1386 (8.6)	16,052
Steroid use	736 (2.6)	28,682	600 (3.4)	17,640
Preop. hematocrit: <30%	280 (1.0)	27,058	284 (1.7)	16,689

TABLE E-1 (*continued*)

Characteristic	Total Knee Arthroplasty		Total Hip Arthroplasty	
	Value (%)	Total No. of Patients†	Value (%)	Total No. of Patients†
Vascular disorders and treatments				
Peripheral vascular disease	134 (0.5)	28,682	96 (0.5)	17,640
History of revascularization or amputation	123 (0.4)	28,682	94 (0.5)	17,640
Cardiac disorders and treatments				
History of cardiac disease#	2145 (7.5)	28,682	1126 (6.4)	17,640
Congestive heart failure#	56 (0.2)	28,682	57 (0.3)	17,640
Myocardial infarction#	12 (0.04)	28,682	16 (0.1)	17,640
Percutaneous cardiac intervention	1342 (4.7)	28,682	659 (3.7)	17,640
History of cardiac surgery	932 (3.2)	28,682	528 (3.0)	17,640
History of angina	112 (0.4)	28,682	50 (0.3)	17,640
Renal disease				
Currently on dialysis	55 (0.2)	28,682	54 (0.3)	17,640
Creatinine: >2.0 mg/dL	223 (0.8)	26,261	178 (1.1)	16,270
History of transient ischemic attack or cerebrovascular accident	1094 (3.8)	28,682	565 (3.2)	17,640
Revised cardiac risk index composite variable (0 to 5): ≥3	48 (0.2)	26,261	33 (0.2)	17,640
History of ischemic heart disease (myocardial infarction, percutaneous cardiac intervention, or angina)	1471 (5.1)	28,682	748 (4.2)	17,640
Congestive heart failure	56 (0.2)	28,682	57 (0.3)	17,640
Transient ischemic attack or cerebrovascular accident	1094 (3.8)	28,682	565 (3.2)	17,640
Diabetes requiring insulin	1219 (4.3)	28,682	500 (2.8)	17,640
History of chronic kidney disease (creatinine: >2.0)	223 (0.8)	26,261	178 (1.0)	17,640

*SD = standard deviation, and ASA = American Society of Anesthesiologists. †This value indicates the number of patients for whom the specified characteristic was determined. ‡An ASA classification of 1 or 2 indicates no disturbance or a mild one, and a classification of 3 or 4 indicates a severe or life-threatening disturbance. §More than two alcoholic drinks per day in the two weeks before admission. #Congestive heart failure within thirty days before surgery, chronic congestive heart failure with new signs or symptoms within thirty days before surgery, or a history of myocardial infarction within six months before surgery.