TABLE E-1 Parameter Estimates for Multiple Regression Model Predicting Total Costs* of Primary Total Hip Arthroplasty (N=243)**

Predictor	Parameter Estimate	Standard Error	P value
intercept	22,642	870	<0.0001
age 65 and over	717	844	0.40
male	270	811	0.74
BMI 30 and higher	809	838	0.34
SOI 3 or 4 *(ref = 1 or 2)*†	5,250	1,511	0.0006
diagnosis *(ref = osteoarthritis)*			
DDH	585	2,669	0.83
osteonecrosis	1,313	1,139	0.25
inflammatory arthritis	804	2,816	0.78
acetabular deficiency	152	1,000	0.88
femoral deficiency	130	3,329	0.97

*Cost figures in 2003 US dollars; outliers recoded to 3 standard deviations above the mean. **Five observations deleted from multivariate analysis because of incomplete covariate data. †Significant predictor of higher total cost, even when adjusted for all other predictors.

TABLE E-2 Parameter Estimates for Multiple Regression Model Predicting Total Costs* of the Revision Total Hip Arthroplasty Cohort (N=233)**

Predictor	Parameter Estimate	Standard Error	P value
intercept	21,384	2,602	<0.0001
age 65 and over	-482	1,508	0.75
male	229	1,462	0.88
BMI 30 and higher	-681	1,590	0.67
SOI 3 or 4 *(ref = 1 or 2)*†	5,502	1,470	0.0002
mode of failure *(ref = osteolysis)*			
periprosthetic fracture†	11,794	3,760	0.0019
mechanical loosening	-1,108	1,782	0.53
infection	715	2,341	0.76
recurrent dislocation	-864	2,101	0.68
implant failure	1,807	3,653	0.62
acetabular deficiency†	4,440	1,633	0.0071
femoral deficiency†	8,016	1,596	<0.0001

*Cost figures in 2003 US dollars; outliers recoded to 3 standard deviations above the mean. **Ten observations deleted from multivariate analysis because of incomplete covariate data. †Significant predictor of higher total cost, even when adjusted for all other predictors.