

Appendix

TABLE E-1 Annual TJA Incidence per 100,000 Population Among Overall Population and in Subpopulations Defined by Sex and Age in the U.S., 2000 to 2014

	Primary THA				Primary TKA			
	Linear Coefficient (95% CI)	P (Adj. R ²) Value	Poisson IRR* (95% CI)	P (Pseudo- R ²) Value	Coefficient (95% CI)	P (Adj. R ²) Value	Poisson IRR* (95% CI)	P (Pseudo- R ²) Value
Overall	3.76 (3.33, 4.19)	<0.01 (0.96)	1.05 (1.04, 1.06)	<0.01 (0.33)	8.53 (7.13, 9.92)	<0.01 (0.93)	1.05 (1.04, 1.06)	<0.01 (0.50)
Sex								
Male	3.65 (3.34, 3.97)	<0.01 (0.98)	1.05 (1.05, 1.05)	<0.01 (0.75)	6.97 (5.82, 8.12)	<0.01 (0.92)	1.06 (1.05, 1.06)	<0.01 (0.76)
Female	3.80 (3.39, 4.21)	<0.01 (0.97)	1.04 (1.04, 1.04)	<0.01 (0.78)	10.0 (7.80, 12.3)	<0.01 (0.87)	1.05 (1.045, 1.05)	<0.01 (0.80)
Age								
<45 yr	0.08 (0.02, 0.01)	0.01 (0.34)	1.01 (1.01, 1.02)	<0.01 (0.13)	0.18 (0.11, 0.25)	<0.01 (0.67)	1.04 (1.03, 1.04)	<0.01 (0.45)
45-54 yr	3.99 (3.56, 4.43)	<0.01 (0.97)	1.05 (1.05, 1.05)	<0.01 (0.92)	7.49 (5.70, 9.28)	<0.01 (0.85)	1.06 (1.06, 1.06)	<0.01 (0.80)
55-64 yr	9.39 (8.48, 10.3)	<0.01 (0.97)	1.05 (1.05, 1.05)	<0.01 (0.97)	20.0 (14.9, 25.1)	<0.01 (0.83)	1.05 (1.05, 1.05)	<0.01 (0.79)
65-69 yr	11.7 (10.5, 12.9)	<0.01 (0.97)	1.04 (1.04, 1.04)	<0.01 (0.95)	30.2 (20.8, 39.7)	<0.01 (0.77)	1.04 (1.04, 1.04)	<0.01 (0.74)
70-74 yr	9.34 (7.39, 11.3)	<0.01 (0.88)	1.02 (1.02, 1.02)	<0.01 (0.85)	28.7 (17.7, 39.8)	<0.01 (0.69)	1.03 (1.03, 1.03)	<0.01 (0.67)
75-79 yr	8.75 (6.12, 11.4)	<0.01 (0.78)	1.02 (1.02, 1.02)	<0.01 (0.76)	26.7 (14.7, 38.7)	<0.01 (0.61)	1.03 (1.03, 1.03)	<0.01 (0.61)
80-84 yr	6.28 (4.34, 8.21)	<0.01 (0.77)	1.02 (1.01, 1.02)	<0.01 (0.74)	16.1 (7.47, 24.7)	<0.01 (0.52)	1.02 (1.02, 1.03)	<0.01 (0.53)
≥85 yr	1.52 (-0.45, 3.50)	0.12 (0.11)	1.01 (1.01, 1.01)	<0.01 (0.15)	3.34 (-1.67, 8.34)	0.17 (0.07)	1.01 (1.01, 1.01)	<0.01 (0.13)

*IRR = incidence rate ratio, calculated from the Poisson regression estimate.