

TABLE E-1 Overall Number and per Capita Provision of Practicing Orthopaedic Surgeons per 100,000 Population and Provision of Orthopaedic Services by Health Region per 100,000 Population in Ontario, Canada, 2006

Health Region*	No. of Orthopaedic Surgeons (FTE)†	No. of Orthopaedic Surgeons (FTE)/100,000 Population†	Hours per Week of Orthopaedic Provision per 100,000 Population				
			Office Hours	Surgery Hours	Working-on-Call Hours	Office + Surgery Hours	Total Time in Direct Clinical Care
With teaching hospitals							
7‡	60 (46.48)	5.22 (4.05)	84.62	65.68	29.96	150.30	180.26
11	48 (39.24)	4.06 (3.32)	82.59	43.93	20.96	126.53	147.49
4	44 (37.65)	3.22 (2.76)	71.23	32.07	31.13	103.30	134.43
2	32 (27.01)	3.45 (2.91)	59.17	47.74	20.28	106.91	127.19
10	19 (16.38)	3.94 (3.40)	76.34	52.39	28.14	128.74	156.88
Other							
9‡	38 (33.87)	2.59 (2.31)	57.58	24.54	24.60	82.13	106.73
8‡	31 (27.75)	1.97 (1.76)	43.61	23.00	16.73	66.61	83.34
6‡	20 (17.50)	1.88 (1.65)	35.69	22.10	17.09	57.79	74.88
1	14 (11.95)	2.17 (1.85)	44.84	30.73	13.08	75.57	88.66
5‡	13 (11.58)	1.72 (1.54)	32.20	21.03	22.39	53.23	75.62
13	13 (11.48)	2.29 (2.02)	43.08	22.91	27.84	65.99	93.83
3	11 (10.98)	1.57 (1.57)	37.20	21.48	14.41	58.69	73.10
14	9 (6.61)	3.74 (2.74)	72.45	21.09	26.17	93.53	119.70
12	7 (6.03)	1.65 (1.42)	24.85	25.43	11.88	50.28	62.15
Ontario	359 (304.51)	2.86 (2.43)	56.33	33.17	22.10	89.50	111.60
Extremal quotient	—	3.3	3.4	3.1	2.9	2.9	3.0

*See Figure 1 for a list of regions. †FTE = full-time equivalent. One FTE was assumed to be at least forty hours of work per week of direct patient care (reported office, surgery, and on-call time). ‡Regions in the Toronto conurbation.

TABLE E-2 Age and Sex-Adjusted Rates of Office Visits to Orthopaedic Surgeons and Orthopaedic Surgery by Health Regions in Ontario, Canada, Fiscal Year 2005 to 2006

Health Regions*	Age and Sex-Adjusted Rate per 1000 Population	
	Office Visits	Orthopaedic Surgery
With teaching hospitals		
7†	36.4	8.1
11	42.1	11.7
4	49.2	13.5
2	39.6	13.1
10	50.8	15.1
Other		
9†	41.4	10.6
8†	39.2	9.0
6†	40.4	9.4
1	40.8	12.7
5†	25.7	6.1
13	41.6	12.9
3	32.2	10.9
14	53.0	14.1
12	39.2	13.0
Ontario	41.0	11.5
Extremal quotient	2.1	2.5

*See Figure 1 for a list of regions. †Regions in the Toronto conurbation.

TABLE E-3 Associations Between Orthopaedic Service Provision and Orthopaedic Service Utilization in Ontario, Canada, Fiscal Year 2005 to 2006

Provision of Orthopaedic Services per 100,000 Population	Office Visits	Surgeries
Correlation coefficient*		
Office hours	0.55 (0.03 to 0.84)	0.30 (-0.27 to 0.72)
Surgery hours	0.35 (-0.22 to 0.74)	0.41 (-0.15 to 0.77)
Full-time equivalents (total clinical care)	0.55 (0.03 to 0.84)	0.34 (-0.40 to 0.81)
Rate ratios*†		
Full-time equivalents		
Lowest	1.00	1.00
2nd	1.11 (1.03 to 1.19)	0.96 (0.89 to 1.03)
3rd	1.22 (1.13 to 1.32)	1.31 (1.16 to 1.48)
Highest	1.29 (1.21 to 1.38)	1.05 (1.00 to 1.11)
Office hours		
Lowest	1.00	1.00
2nd	1.09 (1.02 to 1.17)	1.07 (0.97 to 1.19)
3rd	1.27 (1.09 to 1.48)	1.14 (1.04 to 1.24)
Highest	1.61 (1.44 to 1.80)	1.39 (1.24 to 1.56)
Surgery hours		
Lowest	1.00	1.00
2nd	1.05 (0.90 to 1.23)	0.92 (0.80 to 1.05)
3rd	1.02 (0.88 to 1.19)	1.07 (0.95 to 1.20)
Highest	0.92 (0.78 to 1.08)	1.01 (0.87 to 1.16)

*The 95% confidence interval is given in parentheses. †Negative binomial regression. Models included age, sex, and neighborhood income quintile.