

Table 3.1.3: Estimated and Normalized Prevalence of Spinal Deformity and Related Conditions

	Cited Prevalence Rate (midpoint of range cited)			Normalized Prevalence Rate	Prevalence Rate
				(per 100 persons)	(per 100,000 persons)
Congenital scoliosis [1]	1	in	1,000	0.100	100
Infantile idiopathic scoliosis [2]	0.04	in	100	0.040	40
Juvenile idiopathic scoliosis [3]	0.06	in	100	0.060	60
Adolescent idiopathic scoliosis [4]	2.5	in	100	2.500	2,500
Adult spinal deformity or scoliosis (age >18 yrs) [5,6,7]	11.3	in	100	11.300	11,300
Adult spinal deformity or scoliosis (age >60 yrs) [8]	68	in	100	68.000	68,000

[1] Hedequist D, Emans J: Congenital scoliosis: a review and update. *J Pediatr Ortho* 2007;27:106-116.

[2] Akbarnia B: Management themes in early onset scoliosis. *J Bone Joint Surg Am* 2007;89:42-54. (Prevalence rate computed based on cited rate for adolescent idiopathic scoliosis and proportion of total idiopathic cases that are infantile in citation.)

[3] Lenke LG, Dobbs MB: Management of juvenile idiopathic scoliosis. *J Bone Joint Surg Am* 2007;89:55-63. (Prevalence rate computed based on cited rate for adolescent idiopathic scoliosis and proportion of total idiopathic cases that are juvenile in citation.)

[4] Morais T, Bernier M, Turcotte F: Age- and sex-specific prevalence of scoliosis and the value of school screening programs. *Am J Public Health Nations Health* 1985;75:1377-1380.

[5] Battie MC, Videman T: Lumbar disc degeneration: epidemiology and genetics. *J Bone Joint Surg Am* 2006;88:3-9.

[6] Carter OD, Haynes SG: Prevalence rates for scoliosis in U.S. adults: results from the first National Health and Nutrition Examination Survey. *Int J Epidemiol* 1987;16:537-544.

[7] Gupta M: Degenerative scoliosis: options for surgical management. *Ortho Clin North Am* 2003;34:269-279.

[8] Schwab F, Dubey A, Galez L, et al: Adult scoliosis: prevalence, SF-36, and nutritional parameters in an elderly volunteer population. *Spine* 2005;30:1082-1085.