

Table 2B.1.0: Estimated and Normalized Prevalence of Curvature of Spine and Related Conditions

	Cited Prevalence Rate (midpoint of range cited)			Normalized Prevalence Rate (per 100 persons)	Prevalence Rate (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 years) [5,6,7]	11.3	in	100	11.300	11,300
Adult spinal deformity or scoliosis (age >60 years) [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.