

Table 2: Prevalence of traumatic spinal cord injury by Region and Author(s) of published data

Region	Country	Author(s) of published data	Observation period	Prevalence per million population
Asia, South				
	India (Kashmir)	Razdan ¹	1986	236
Asia, Southeast				
	Vietnam	Weerts ²	2006-2007	464
Australasia				
	Australia	Walsh ³	1987	370
	Australia	O'Connor ⁴	1997	681
	Australia	Yeo ⁵	1998	540 (Estimate)
Europe, Western				
	Finland (Helsinki)	Dahlberg ⁶	1999	280
	Iceland	Knutsdottir ⁷	1973-1989	316
	Norway (Hordaland and Sogn og Flordane)	Hagen ⁸	2002	365
	Sweden (Stockholm)	Levi ⁹	1975-1995	240
North Africa/ Middle East				
	Iran (Tehran)	Rahimi-Movaghar ¹⁰	2008	440
North America, High Income				
	Canada	Rick Hansen SCI Register ¹¹	2010	1184 (Proportions of para/tetraplegia extrapolated from Dryden ¹²)
	USA	Cahill ¹³	May 2008-August 2008	4187/million***
	USA	Kurtzke ¹⁴	1971	800
	USA	Jackson ¹⁵	1973-2003	
	USA	DeVivo ¹⁶	1980	906 (Approx.)
	USA	Ergas ¹⁷	1984	1,009
	USA	Stover ¹⁸	1984	906
	USA	Harvey ¹⁹	1988	721
	USA	Ditunno ²⁰	1993	776 (Estimate)
	USA	Lasfargues ²¹	1994	790*
	USA (Olmsted County, Minnesota)	Griffin ²²	1935-1981	473

* 207,000 people with SCI in 1994, US population in 1994: 262 million prevalence rate is: 790

** An extrapolated estimate of 31.6 million, prevalence rate estimate is: 1,315: update from 2011 census pending

*** Prevalence estimates from survey 2008, 33,348 adults in USA: 1,275,000. USA population in 2008 estimated as 304.5 million²³

References

1. Razdan S, Kaul RL, Motta A, Kaul S, Bhatt RK. Prevalence and Pattern of Major Neurological Disorders in Rural Kashmir (India) in 1986. *Neuroepidemiology* 1994; **13**: 113-119.
2. Weerts E. *Prevention of spinal cord injury accidents. What does it mean? How can I avoid it? How can I help?*: Hanoi, Vietnam, 2008.
3. Walsh J. Costs of spinal cord injury in Australia. *Paraplegia* 1988; **26**: 380-388.
4. O'Connor PJ. Prevalence of spinal cord injury in Australia. *Spinal Cord* 2005; **43**(1): 42-6.
5. Yeo JD, Walsh J, Rutkowski SB, Soden RJ, Craven ML, Middleton JW. Mortality following spinal cord injury. *Spinal Cord* 1998; **36**: 329-336.
6. Dahlberg A, Kotila M, Leppanen P, Kautiainen H, Alaranta H. Prevalence of spinal cord injury in Helsinki. *Spinal Cord* 2005; **43**(1): 47-50.
7. Knutsdottir S. Spinal cord injuries in Iceland 1973-1989. A follow up study. *Paraplegia* 1993; **31**: 68-72.
8. Hagen EM, Eide GE, Rekan T, Gilhus NE, Gronning M. A 50-year follow-up of the incidence of traumatic spinal cord injuries in Western Norway. *Spinal Cord* 2010; **48**(4): 313-318.
9. Levi R, Hultling C, Nash MS, Seiger A. The Stockholm spinal cord injury study: 1. Medical problems in a regional SCI population. *Paraplegia* 1995; **33**(6): 308-315.
10. Rahimi-Movaghar V, Saadat S, Rasouli M, Ganji S, Ghahramani M, Zarei M-R *et al.* Prevalence of spinal cord injury in Tehran, Iran. *J Spinal Cord Med* 2009; **32**(4): 428-431.
11. Farry A, Baxter D. *The Incidence and Prevalence of Spinal Cord Injury in Canada: Overview and estimates based on current evidence*. Rick Hansen Institute and Urban Futures Institute, December 2010.
12. Dryden DM, Saunders LD, Rowe BH, May LA, Yiannakoulis N, Svenson LW *et al.* The epidemiology of traumatic spinal cord injury in Alberta, Canada. *Canadian Journal of Neurological Sciences* 2003; **30**(2): 113-21.
13. Cahill A, Fredine H, Zilberman L. *Initial briefing: Prevalence of paralysis including spinal cord injuries in the United States, 2008*. Christopher and Dana Reeve Foundation, Paralysis Resource Foundation, The University of New Mexico, School of Medicine, 2009.
14. Kurtzke JF. Epidemiology of Spinal Cord Injury. *Experimental Neurology* 1975; **48**(3, Part 2): 163-236.

15. Jackson AB, Dijkers M, DeVivo MJ, Poczatek RB. A Demographic Profile of New Traumatic Spinal Cord Injuries: Change and Stability Over 30 Years. *Arch Phys Med Rehabil* 2004; **85**(November): 1740-1748.
16. DeVivo MJ, Fine PR, Maetz HM, Stover SL. Prevalence of Spinal Cord Injury: A Reestimation Employing Life Table Techniques. *Arch Neurol* 1980; **37**(11): 707-708.
17. Ergas Z. Spinal Cord Injury in the United States: A Statistical Update. *Central Nervous System Trauma* 1985; **2**(1): 19-29.
18. Stover SL, Fine PR. The epidemiology and economics of spinal cord injury. *Paraplegia* 1987; **25**: 225-228.
19. Harvey C, Rothschild BB, Asmann AJ, Stripling T. New Estimates of Traumatic SCI Prevalence: A Survey-based Approach. *Paraplegia* 1990; **28**: 537-544.
20. Ditunno JF, Formal CS. Chronic spinal cord injury. *New Engl J Med* 1994; **330**: 550-556.
21. Lasfargues JE, Custis D, Morrone F, Carswell J, Nguyen T. A model for estimating spinal cord injury prevalence in the United States. *Paraplegia* 1995; **33**(2): 62-8.
22. Griffin MR, O'Fallon WM, Opitz JL, Kurland LT. Mortality, Survival and Prevalence: Traumatic Spinal Cord Injury in Olmsted County, Minnesota, 1935-1981. *J Chron Dis* 1985; **38**(8): 643-653.
23. Population Reference Bureau. *2008 World population data sheet*: Washington, DC; website: www.prb.org, 2008.