

Table 1: Summary of reference data sources

Reference	Country/Region	Observation period	Data Source	Quality of Evidence
Acton PA, Farley T, Freni LW, Ilegbodu VA, Sniezek JE, Wohlleb JC. Traumatic spinal cord injury in Arkansas, 1980-1989. <i>Arch Phys Med Rehabil</i> 1993; 74 : 1035-1040.	USA/Arkansas	1980-1989	Arkansas State Spinal Cord Commission Registry	M
Agarwal P, Upadhyay P, Raja K. A demographic profile of traumatic and non-traumatic spinal injury cases: a hospital-based study from India. <i>Spinal Cord</i> 2007; 45 (9): 597-602.	India/Karnataka	2003-2004	Retrospective descriptive study using data of patients admitted to tertiary referral medical centre	L
Ahoniemi E, Alaranta H, Hokkinen E-M, Valtonen K, Kautiainen H. Incidence of traumatic spinal cord injuries in Finland over a 30-year period. <i>Spinal Cord</i> 2008; 46 : 781-784.	Finland	1976-2005	Register survey, national data	H
Albert T, Ravaud JF, Tetrafigap g. Rehabilitation of spinal cord injury in France: a nationwide multicentre study of incidence and regional disparities. <i>Spinal Cord</i> 2005; 43 (6): 357-65.	France	2000	Multicentre retrospective 1-year survey	M
Al-Jadid MS, Asirvatham RA. An analysis of the length of stay in traumatic and non-traumatic spinal cord injured patients. <i>Saudi Med J</i> 2010; 31 (5): 555-559.	Saudi Arabia	2005-2008	Retrospective study of all patients who completed the SCI rehabilitation program at Sultan Bin Abdulaziz Humanitarian City, Riyadh	L
Alshahri S. Traumatic spinal cord injury in Saudi Arabia: An epidemiological study. Unpublished work. In, 2010.	Saudi Arabia-Riyadh Military Hospital	2003-2008	Retrospective and descriptive survey	L
Augutis M, Abel R, Levi R. Pediatric spinal cord injury in a subset of European countries. <i>Spinal Cord</i> 2006; 44 (2): 106-12.	Sweden/19 EU countries	2002	Postal survey, questionnaire sent to respondents working with SCI in 19 European countries	NA

Augutis M, Levi R. Pediatric spinal cord injury in Sweden: incidence, etiology and outcome. <i>Spinal Cord</i> 2003; 41 (6): 328-336.	Sweden	1985-1996	Retrospective descriptive study using data from population registers, County Habilitation centres	NA
Aung TS, El Masry WS. Audit of a British Centre for spinal injury. <i>Spinal Cord</i> 1997; 35 : 147-150.	UK/Midlands, Nth Wales, Mid Wales, South Mersey	1985-1988	Retrospective study on case notes	L
Bajracharya S, Singh M, Singh GK, Shrestha BP. Clinico-epidemiological study of spinal injuries in a predominantly rural population of eastern Nepal: a 10 years' analysis. <i>Indian J Orthop</i> 2007; 41 : 286-9.	Nepal/East	1996-2005	Retrospective case series of SCI patients admitted in the orthopaedic ward of BP Koirala Institute of Health Sciences, Dharan, Nepal	L
Barros F, Taricco MA, Oliveira RP, Greve JM, Santos LC, Napoli MM. Epidemiological study of patients with spinal cord injuries. <i>Rev hosp Fac Med S Paulo</i> 1990; 45 (3): 123-126.	Brazil/San Paulo	1982-1987	Epidemiological study of SCI treated at the Department of Orthopaedics and Traumatology at the School of Medicine of the University of Sao Paulo	L
Bhaskar P, Arjundas G, Ramamurthi B. Acute non-traumatic paraplegia. <i>J Ass Physician India</i> 1972; 20 : 687-691.	India/Madras	1950-1970	Retrospective review of patients admitted to General Hospital, Madras	L
Biering-Sorensen F, Pedersen V, Clausen S. Epidemiology of Spinal Cord Lesions in Denmark. <i>Paraplegia</i> 1990; 28 : 105-108.	Denmark/Greenland/Far oe Islands	1975-1984	Retrospective study on records of all patients with SCI admitted to rehabilitation hospital in Hornbaek	M
Bohlman HH. Acute fractures and Dislocations of the Cervical Spine. <i>The Journal of Bone and Joint Surgery</i> 1979; 61-A (8): 1119-1142.	USA/Maryland	1950-1972	Retrospective case note review	L
Bracken MB, Freeman J, D.H., Hellenbrand K. Incidence of Acute Traumatic Hospitalized Spinal Cord Injury in the United States, 1970-1977. <i>American Journal of Epidemiology</i> 1981; 113 (6): 615-622.	USA	1970-1977	National Hospital Discharge Survey	M
Brasil AVB, Coelho DG. The neurological outcome of acute spinal cord injury in a neurosurgical hospital of a developing country. <i>Spinal Cord</i> 1998; 36 : 353-356.	Brazil/Sao Jose	1986-1995	Prospective study comparing the neurological results collected at Hospital Sao Jose (HSJ, Brazil) with the series at Stoke-Mandeville UK	L

Brown KGE. Analysis of admissions to the adult medical wards at Queen Elizabeth Central Hospital, Blantyre, Malawi. <i>East Afr Med J.</i> 1975; 52 (September): 509-528	Malawi/Blantyre	1972-1975	Prospective study	L
Buchan AC, Fulford GE, Harris P, Jellinek E, Kerr WG, Kirkland I <i>et al.</i> A preliminary survey of the incidence and aetiology of spinal paralysis. <i>Paraplegia</i> 1972; 10 : 23-28.	Scotland/SE and W	1968	Prospective study	L
Buechner JS, Speare MC, Fontes J. Hospitalizations for Spinal Cord Injuries, 1994-1998. <i>Medicine and Health/Rhode Island</i> 2000; 83 (3): 92-93.	USA/Rhode Island	1994-1998	Retrospective study using hospital discharge data	L
Burke D, Linden R, Zhang Y, Maiste A, Shields C. Incidence rates and populations at risk for spinal cord injury: A regional study. <i>Spinal Cord</i> 2001; 39 (5): 274-278.	USA/NW Kentucky, S Indiana	1993-1998	Retrospective study using the University of Louisville Hospital Trauma Registry and patient medical records	L
Burke DC, Burley HT, Ungar GH. Data on spinal injuries - Part 1. Collection and analysis of 352 consecutive admissions. <i>Aust NZ J Surg</i> 1985; 55 : 3-12.	Australia/Victoria	1978-1982	Prospective study using computerised system at Austin Hospital. Used consecutive admissions	M
Burney RE, Maio RF, Maynard F, Karunas RB. Incidence, characteristics, and outcome of spinal cord injury at trauma centers in North America. <i>Arch Surg</i> 1992; 128 : 596-599.	USA	1982-1989	Retrospective study of the Major Trauma Outcome Study (MTOS) records	M
Cahill A, Fredine H, Zilberman L. <i>Initial briefing: Prevalence of paralysis including spinal cord injuries in the United States, 2008.</i> Christopher and Dana Reeve Foundation, Paralysis Resource Foundation, The University of New Mexico, School of Medicine, 2009.	USA	2008	National survey	M
Calancie B, Molano MR, Broton JG. Epidemiology and demography of acute spinal cord injury in a large urban setting. <i>Journal of Spinal Cord Medicine</i> 2005; 28 (2): 92-6.	USA/Sth Florida	1997-2000	Retrospective sample population admitted to Jackson Memorial Hospital in Miami	L

Caldana L, Lucca L. Epidemiological remarks on traumatic spinal cord injuries and non-traumatic spinal cord diseases in Veneto 1994–1995. <i>Eur Med Phys</i> 1998; 34 : 159-168.	Italy/Veneto	1994-1995	Prospective study	L
Campos da Paz A, Beraldo PSS, Almeida MCRR, Neves EGC, Alves CMF, Khan P. Traumatic injury to the spinal cord. Prevalence in Brazilian hospitals. <i>Paraplegia</i> 1992; 30 : 636-640.	Brazil/7 Brazilian capitals	1988	Survey conducted by the Integrated System of Traumatology and Orthopaedics	L
Catz A, Goldin D, Fishel B, Ronen J, Bluvshstein V, Gelernter I. Recovery of neurologic function following nontraumatic spinal cord lesions in Israel. <i>Spine</i> 2004; 29 (20): 2278-2282.	Israel	1962-2000	Retrospective cohort study of patients admitted to the Loewenstein Rehabilitation Hospital	M
Catz A, Thaleisnik M, Fishel B, Ronen J, Spasser R, Fredman B <i>et al.</i> Survival following spinal cord injury in Israel. <i>Spinal Cord</i> 2002; 40 (11): 595-598.	Israel	1959-1992	Retrospective cohort study, 250 consecutive patients	M
Celani MG, Spizzichino L, Ricci S, Zampolini M, Franceschini M. Spinal Cord Injury in Italy: A Multicenter Retrospective Study. <i>Arch Phys Med Rehabil</i> 2001; 82 (May): 589-596.	Italy/Seven rehabilitation centres	1989-1994	Multicentre retrospective study of SCI patients admitted to rehabilitation centres	L
Chabok S, Safaee M, Alizadeh A, Dafchahi M, Taghinnejadi O, Koochakinejad L. Epidemiology of traumatic spinal injury: A descriptive study. <i>Acta Medica Iranica</i> 2010; 48 (5): 308-311.	Iran/Guilan	2005-2006	Prospective, descriptive study of all SCI cases admitted to Poursina hospital	L
Chen CF, Lien IN. Spinal Cord Injuries in Taipei, Taiwan, 1978-1981. <i>Paraplegia</i> 1985; 23 : 364-370.	Taiwan/Taipei	1978-1981	Survey conducted by retrospective review of hospital records	L
Chen H, Chen S, Chiu W, Lee L, Hung C, Hung C <i>et al.</i> A nationwide epidemiological study of spinal cord injury in geriatric patients in Taiwan. <i>Neuroepidemiology</i> 1997; 16 (5): 241-247.	Taiwan	1992-1996	Prospective epidemiological survey	NA

Cheshire DJE. <i>The Complete and Centralized Treatment of Paraplegia: A Report on the Spinal Injuries Centre for Victoria, Australia</i> . National Institute for Neurological Diseases Workshop: Melbourne, Victoria, 1966.	Australia/Victoria	1959-1966	Retrospective study	L
Cheshire DJE. <i>The Complete and Centralized Treatment of Paraplegia: A Report on the Spinal Injuries Centre for Victoria, Australia</i> . National Institute for Neurological Diseases Workshop: Melbourne, Victoria, 1966.	Australia/Victoria	1959-1966	Retrospective study	L
Citterio A, Franceschini M, Spizzichino L, Reggio A, Rossi B, Stampacchia G. Nontraumatic spinal cord injury: An Italian survey 1. <i>Arch Phys Med Rehabil</i> 2004; 85 (9): 1483-1487.	Italy	1997-1999	Multicentre prospective study	M
Cosar S, Yemisci O, Oztop P, Cetin N, Sarifakioglu B, Yalbuздag S <i>et al</i> . Demographic characteristics after traumatic and non-traumatic spinal cord injury: a retrospective comparison study. <i>Spinal Cord</i> 2010; 48 (12): 862-866.	Turkey/Ankara	1996-2008	Retrospective, 12-year case series of patients accepted to an in-patient rehabilitation program at the rehabilitation unit of a tertiary research hospital	L
Costacurta M, Taricco L, Kobaiyashi E, Cristante A. Epidemiological profile of a pediatric population with acquired spinal cord injury from AACD: Sao Paulo/Brazil. <i>Spinal Cord</i> 2010; 48 (2): 118-121.	Brazil/Sao Paulo	2002-2008	Retrospective study of paediatric patients admitted for treatment and rehabilitation in a reference Brazilian medical centre	NA
Couris CM, Guilcher SJ, Munce SE, Fung K, Craven BC, Verrier M <i>et al</i> . Characteristics of adults with incident traumatic spinal cord injury in Ontario, Canada. <i>Spinal Cord</i> 2010; 48 (1): 39-44.	Canada/Ontario	2003/04-2006/7	Retrospective study of patients admitted with TSCI recorded in the Hospital Discharge Abstract Database	L
Cripps R. Spinal cord injury, Australia, 2006–07. In: <i>Injury Research and Statistics Series Number 48. Cat. no. INJCAT 119</i> . Adelaide: AIHW, 2008.	Australia	2006/07	Register data (ASCIR)	H
Dahlberg A, Kotila M, Leppanen P, Kautiainen H, Alaranta H. Prevalence of spinal cord injury in Helsinki. <i>Spinal Cord</i> 2005; 43 (1): 47-50.	Finland/Helsinki	1953-1998	Retrospective register-based epidemiological study	M

DeVivo MJ, Fine PR, Maetz HM, Stover SL. Prevalence of Spinal Cord Injury: A Reestimation Employing Life Table Techniques. <i>Arch Neurol</i> 1980; 37 (11): 707-708.	USA	1980?	Life-table techniques were used to calculate prevalence of SCI using methods developed by Smart and Saunders (1976)	M
Dincer F, Oflazer A, Beyazova M, Celiker R, Basgoze O. Traumatic spinal cord injuries in Turkey. <i>Paraplegia</i> 1992; 30 : 641-646.	Turkey/Ankara	1974-1985	Retrospective study of admissions to the Ankara Rehabilitation Centre	L
Ditunno JF, Formal CS. Chronic spinal cord injury. <i>New Engl J Med</i> 1994; 330 : 550-556.	USA	1994?	Retrospective review	L
Divanoglou A, Levi R. Incidence of traumatic spinal cord injury in Thessaloniki, Greece and Stockholm, Sweden: a prospective population-based study. <i>Spinal Cord</i> 2009; 47 (1): 1-6.	Sweden/Stockholm; Greece/Thessaloniki	2006	Prospective population-based open-ended study	M
Divanoglou A, Westgren N, Seiger A, Hulting C, Levi R. Late mortality during the first year after acute traumatic spinal cord injury: A prospective, population-based study. <i>J Spinal Cord Med</i> 2010; 33 (2): 117-127.	Greece and Sweden	2006-2007	Prospective, population based study	M
Dixon GS, Danesh JN, Caradoc-Davies TH. Epidemiology of spinal cord injury in New Zealand. <i>Neuroepidemiology</i> 1993; 12 : 88-95.	New Zealand	1979-1988	Retrospective study using Health Statistics Services hospital discharge data	H
Dryden D, Saunders L, Rowe B, May L, Yiannakoulis N, Svenson L <i>et al.</i> The epidemiology of traumatic spinal cord injury in Alberta, Canada. <i>Canadian Journal of Neurological Sciences</i> 2003; 30 (2): 113-121.	Canada/Alberta	1997-2000	Retrospective study using Administrative data from Alberta Ministry of Health and Wellness, Alberta Trauma Registry and death certificates from the Office of Medical Examiner	M
Eelmae P, Englas K, Tonutare A. Epidemiology of traumatic spinal cord injury in Haapsalu neurological rehabilitation centre from 2008-2010. In: <i>ISCoS/ASIA International Conference, Spinal Cord Medicine and Rehabilitation, June 4-8</i> . Grand Hyatt Washington Hotel Washington, DC USA, 2011.	Estonia	2008-2010	Retrospective study of medical records of TSCI patients treated in Haapsalu Neurological Rehabilitation Centre	L
Ergas Z. Spinal Cord Injury in the United States: A Statistical Update. <i>Central Nervous System Trauma</i> 1985; 2 (1): 19-29.	USA	1984	Estimate of USA prevalence of SCI based on data abstracted from a regional study, the California Disability Survey	L

Exner G, Meinecke F-W. Trends in the treatment of patients with spinal cord lesions seen within a period of 20 years in German centers. <i>Spinal Cord</i> 1997; 35 : 415-419.	Germany	1976-1981	Retrospective study of records from all SCI Centres in Germany	M
Fakharian E, Tabesh H, Masoud SA. An epidemiologic study on spinal injuries in Kashan. <i>Guilan Uni Med Sci J</i> 2004; 12 (49): 79-85.	Iran/Kashan	1995-1999	Retrospective study of patients admitted to Naghavi University Hospital, Kashan with trauma	L
Farry A, Baxter D. <i>The Incidence and Prevalence of Spinal Cord Injury in Canada: Overview and estimates based on current evidence</i> . Rick Hansen Institute and Urban Futures Institute, December 2010.	Canada	2010	Rick Hansen Institute estimates based on peer reviewed publications	H
Furlan JC, Bracken MB, Fehlings MG. Is age a key determinant of mortality and neurological outcome after acute traumatic spinal cord injury? <i>Neurobiology of Aging</i> 2010; 31 : 434-446.	Canada/Ontario	n/r	Prospective study using a accrued clinical database	L
Garcia-Reneses J, Herruzo-Cabrera R, Martinez-Moreno M. Epidemiological study of spinal cord injury in Spain 1984-1985. <i>Paraplegia</i> 1991; 29 : 180-190.	Spain	1984-1985	Prospective study of admitted SCI patients to specialised centres	M
Gehrig R. Statistics of acute paraplegia and tetraplegia on a national scale, Switzerland 1960-1967. <i>Paraplegia</i> 1988; 6 (2): 93-95.	Switzerland	1960-1967	Statistical survey of all hospitals in Switzerland	M
Gjone R, Nordlie L. Incidence of traumatic paraplegia and tetraplegia in Norway: A statistical survey of the years 1974 and 1975. <i>Paraplegia</i> 1978-79; 16 : 88-93.	Norway	1974-1975	Hospital survey	M
Goebert DA, Ng MY, Varney JM, Sheetz DA. Traumatic spinal cord injury in Hawaii. <i>Hawaii Medical Journal</i> 1991; 50 (2): 44-50.	USA/Hawaii	1987-1989	Retrospective study of patient records from the Rehabilitation Hospital of the Pacific	L
Gosselin RA, Coppotelli C. A follow-up study of patients with spinal cord injury in Sierra Leone. <i>international Orthopaedics (SICOT)</i> 2005; 29 : 330-332.	Sierra Leone	2002-2004	Prospective study of hospital admissions	L

Greve J. Epidemiology from the developing world: what we have, what we need -- Brazil. In. Medical School Of the University of Sao Paulo, Sao Paulo, Brazil, 2009. pp 1-8.	Brazil	1979-2006	Retrospective study of the Federal Health Department Database	M
Griffin MR, O'Fallon WM, Opitz JL, Kurland LT. Mortality, Survival and Prevalence: Traumatic Spinal Cord Injury in Olmsted County, Minnesota, 1935-1981. <i>J Chron Dis</i> 1985; 38 (8): 643-653.	USA/Minnesota	1935-1981	Retrospective review of medical records linked to the Rochester Project at the Mayo Clinic	L
Griffin MR, Opitz JL, Kurland LT, Ebersold MJ, O'Fallon WM. Traumatic Spinal Cord Injury in Olmstead County, Minnesota, 1935-1981. <i>American Journal of Epidemiology</i> 1985; 121 (6): 884-895.	USA/Minnesota-Olmstead County	1935-1981	Retrospective study using the medical records-linkage system at the Mayo Clinic	M
Guilcher SJ, Munce SE, Couris CM, Fung K, Craven BC, Verrier M <i>et al.</i> Health care utilization in non-traumatic and traumatic spinal cord injury: a population-based study. <i>Spinal Cord</i> 2010; 48 (1): 45-50.	Canada/Ontario	2003-2006	Retrospective cohort design	L
Gupta A, Taly AB, Srivastava A, Murali T. Non-traumatic spinal cord lesions: epidemiology, complications, neurological and functional outcome of rehabilitation. <i>Spinal Cord</i> 2009; 47 (4): 307-311.	India/Karnataka	2005-2008	Prospective cross-sectional study of patients admitted to a neurological rehabilitation unit of a tertiary research hospital	L
Gur A, Kemaloglu MS, Cevik R, Sarac AJ, Nas K, Kapukaya A <i>et al.</i> Characteristics of traumatic spinal cord injuries in south-eastern Anatolia, Turkey: a comparative approach to 10 years' experience. <i>International Journal of Rehabilitation Research</i> 2005; 28 (1): 57-62.	Turkey/SE Anatolia	1990-1999	Retrospective study using trauma referral centre hospital data	L
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. <i>Spinal Cord</i> 2010; 48 (4): 313-318.	Norway/Hordaland and Sogn og Fjordane Counties	1952-2001	Retrospective study of hospital medical records	M

Hagen EM, Lie SA, Rekan T, Gilhus NE, Gronning M. Mortality after traumatic spinal cord injury: 50 years of follow-up. <i>J Neurol Neurosurg Psychiatry</i> 2010; 81 : 368-373.	Norway	1952-2001	Retrospective review of patients' hospital records, National Population Register and the Norwegian Cause of Death Registry	H
Hamilton MG, Myles ST. Pediatric spinal injury: review of 174 hospital admissions. <i>J Neurosurg</i> 1992; 77 : 700-704.	Canada/Alberta	1975-1988	Retrospective study of hospital medical records	NA
Hart C, Williams E. Epidemiology of spinal cord injuries: a reflection of changes in South African society. <i>Paraplegia</i> 1994; 32 : 709-714.	South Africa/S Transvaal	1988-1993	Retrospective study of Natalspruit Hospital Spinal Rehabilitation Unit	L
Hartkopp A, Bronnum-Hansen H, Seidenschnur A-M, Biering-Sorensen F. Survival and cause of death after traumatic spinal cord injury: A long-term epidemiological survey from Denmark. <i>Spinal Cord</i> 1997; 35 : 76-85.	Denmark/Greenland/Far oe Islands	1953-1990	Retrospective study of all patients admitted to the Rehabilitation Hospital in Hornbæk	M
Harvey C, Rothschild BB, Asmann AJ, Stripling T. New Estimates of Traumatic SCI Prevalence: A Survey-based Approach. <i>Paraplegia</i> 1990; 28 : 537-544.	USA	1988-1989	A mixed-mode sampling design based on probability sampling methods was used to sample and survey the non-institutionalised and institutionalised population	M
Harvey C, Wilson SE, Greene CG, Berkowitz M, Stripling TE. New estimates of the direct costs of traumatic spinal cord injuries: results of a nationwide survey. <i>Paraplegia</i> 1992; 30 : 834-850.	USA	1988-1989	Survey interview data	M
Herruzo-Cabrera R, Garcia-Reneses J, Vizcaino-Alcaide MJ, Madero R, Gil-Miguel A, Rey-Calero J. Epidemiology of traumatic spinal cord injury in Spain during 1984-1985. <i>Rev Clin Esp</i> 1993; 192 : 217-222.	Spain	1984-1985	Questionnaire study	L
Hoque MF, Grangeon C, Reed K. Spinal cord lesions in Bangladesh: an epidemiological study 1994 -1995. <i>Spinal Cord</i> 1999; 37 : 858-861.	Bangladesh	1994-1995	Retrospective review of medical records from The Centre for the Rehabilitation of the Paralysed, Savar, Dhaka	L
Hu R, Mustard CA, Burns C. Epidemiology of incident spinal fracture in a complete population. <i>Spine</i> 1996;	Canada/Winnipeg	1981-1984	Cross-sectional observational study of incident spinal fractures using an	L

21(4): 492-499.

administrative database

Ide M, Ogata H, Tokuhiko A, Takechi H. Spinal Cord Injuries in Okayama Prefecture: An epidemiological Study '88-'89. *J UOEH* 1993; **15**(3): 209-215.

Japan/Okayama

1988-1989

Retrospective review of registration lists of patients contained in the Law for the Welfare of the Physically disabled

L

Igun GO, Obekpa OP, Ugwu BT, Nwadiaro HC. Spinal injuries in the Plateau State, Nigeria. *East African Medical Journal* 1999; **76**(2): 75-79.

Nigeria

1984-1997

Restrospective study of case note analysis of all Jos University Teaching Hospital admissions

L

Iwegbu CG. traumatic paraplegia in Zaria, Nigeria: The case for a centre for injuries of the spine. *Paraplegia* 1983; **21**: 81-85.

Nigeria

1973-1982

Restrospective study of case note analysis of Ahmadu Bello University Teaching Hospital admissions at Zaria

L

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.

USA

1973-2003

Restrospective study of case note analysis of patients enrolled in the National SCI Systems Database

M

Jacquín-Cotton L, Dumas M, Girard PL. Les paraplegies au Senegal. *Bull Soc Med Afr Noire Igue fr.* 1970; **15**(2): 206-220.

Senegal

1960-1969

Retrospective review

NA

Jankowski R, Zukiel R, Nowak S, Czekanowska-Szlandrowicz R, stachowska-Tomczak B. Vertebral column and spinal cord injuries: isolated and concomitant with multiple injury. *Chir Narz Ruchu Ortop Pol* 1993; **58**(5): 353-359.

Poland

1979-1992

Restrospective study of case note analysis of patients admitted to Department of Neurosurgery of University of Medical Sciences, Poznan

L

Johnson RL, Gabella BA, Gerhart KA, McCray J, Menconi jC, whiteneck GG. Evaluating Sources of Traumatic Spinal Cord Injury Surveillance Data in Colorado. *American Journal of Epidemiology* 1997; **146**(3): 266-272.

USA/Colorado

1994

Restrospective study of case note analysis of patients in the Colorado Spinal Cord Injury Early Notification System is a statewide, population-based, traumatic spinal cord injury surveillance system

L

Kalsbeek WD, McLaurin RL, Harris 111 BSH, Miller JD. The National Head and Spinal Cord Injury Survey: Major Findings. <i>J. Neurosurg.</i> 1980; 53 : 519-531.	USA	1974	All estimates are from the National Head and Spinal Cord Injury Survey	M
Kannus P, Niemi S, Palvanen M, Parkkari J. Continuously Increasing Number and Incidence of Fall-Induced, Fracture-Associated, Spinal Cord Injuries in Elderly Persons. <i>Arch Intern Med</i> 2000; 160 (July): 2145-2149.	Finland	1970-1995	Restrospective study of case notes from the National Hospital Discharge Register System is a statewide, population-based, traumatic spinal cord injury surveillance system	NA
Karacan I, Kovuncu H, Pekel O, Sumbuloglu G, Kimap M, Dursun H <i>et al.</i> Traumatic spinal cord injuries in Turkey: a nation-wide epidemiological study. <i>Spinal Cord</i> 2000; 38 (11): 697-701.	Turkey	1992	Postal questionnaires were used for data collection and the records from medical institutes nation-wide were reviewed for the analysis	M
Karamehmetoglu S, Nas K, Karacan I, Sarac A, Koyuncu H, Ataoglu S <i>et al.</i> Traumatic spinal cord injuries in Southeast Turkey: an epidemiological study. <i>Spinal Cord</i> 1997; 35 (8): 531-533.	Turkey/SE	1994	Retrospective study of all patients admitted to emergency services, intensive care units and departments of orthopaedic surgery and neurosurgery and rehabilitation medicine	L
Karamehmetoglu S, Unal S, Karacan I, Yilmaz H, Togay H, Ertekin M <i>et al.</i> Traumatic spinal cord injuries in Istanbul, Turkey. An epidemiological study. <i>Paraplegia</i> 1995; 33 (8): 469-471.	Turkey/Istanbul	1992	Retrospective study of all patients admitted to Istanbul hospitals	L
Kattail D, Furlan J, Fehlings MG. Epidemiology and Clinical Outcomes of Acute Spine Trauma and Spinal Cord Injury: Experience From a Specialized Spine Trauma Center in Canada in Comparison With a Large National Registry. <i>The Journal of Trauma Injury, Infection, and Critical Care</i> 2009; 67 (5): 936-943.	Canada/Toronto	1996-2007	Retrospective review of all consecutive patients with acute spine trauma who were admitted to the Toronto Western Hospital Spinal Program Clinical Database	M/L
Key AG, Retief PjM. Spinal Cord Injuries: An Analysis of 300 New Lesions. In: <i>International Medical Society of Paraplegia: Annual Scientific Meeting</i> . Tel-Aviv: Paraplegia, 1968. pp 243-249.	South Africa/Capetown	1963-1967	Prospective study of patients admitted to the SCI Centre, Conradie Hospital, Capetown	L
Knutsdottir S, Thorisdottir H. Epidemiology of Spinal Cord Injuries in Iceland 1973-2008. In: <i>ISCoS</i> . Florence,	Iceland	1973-2008	Retrospective study of patients recorded in the Rehabilitation Department SCI Register	H

Italy, 2009.

Knutsdottir S. Spinal cord injuries in Iceland 1973-1989. A follow up study. <i>Paraplegia</i> 1993; 31 : 68-72.	Iceland	1973-1989	Questionnaire survey of all TSCI patients from the Neurosurgical Department of Borgarspitalinn, the City Hospital in Reykjavik	M
Kondakov EN, Simonova IA, I.V. P. The epidemiology of injuries to the spine and spinal cord in Saint Petersburg. <i>Zhurnal Voprosy Neurokhirurgii Imeni N - N - Burdenko</i> 2002; 2 : 50-3.	Russia/St Petersburg	1996	Epidemiological study of spine and spinal cord injuries was conducted using continuous method among people living in St Petersburg in 1996	L
Koning W, Frowein RA. Incidence of Spinal Cord Injury in the Federal Republic of Germany. <i>Neurosurgical Review</i> 1989; 12 (Suppl 1): 562-566.	Germany	1983	Retrospective study based on data from the Central Office for Paraplegics, Hamburg and Workman's Compensation and hospital Discharge data	M
Kovindha A. A retrospective study of spinal cord injuries at Maharaj Nakorn Chiang Mai Hospital, during 1985-1991. <i>Chiang Mai Med Bull</i> 1993; 32 (2): 85-92.	Thailand/Chiang Mai	1985-1991	Retrospective study of all patients admitted to Maharaj Nakorn Chiang Mai Hospital	L
Kraus JF, Carter RE, Pickelsimer EE, Wilson D. A Prospective Study of Health and Risk of Mortality after Spinal Cord Injury. <i>Arch Phys Med Rehabil</i> 2008; 89 (August): 1482-1491.	USA/SE	1997-1998	Prospective study of records of a specialty hospital in the Southeastern United States: (1) Model SCI Systems patient database, (2) MSCIS registry, and (3) outpatient directory	M
Kraus JF, Franti CE, Borhani NO, Riggins RS. Survival with an Acute Spinal Cord Injury. <i>J Chron Dis</i> 1979; 32 : 269-283.	USA/Nth California	1970-1971	Retrospective review of all records from all hospitals and coroner's offices in 18 Nth California counties	M
Kraus JF, Franti CE, Riggins RS, Richards D, Borhani NO. Incidence of Traumatic spinal Cord Lesions. <i>J Chron Dis</i> 1975; 28 : 471-492.	USA/Nth California	1970-1971	Retrospective review of records from all hospitals, Crippled Children's Service and Workmen's Compensation files, coroner's reports and records of the California State Department of Rehabilitation in 18 Nth California counties	M
Kraus JF, Sternberg M, Lottes s, Maides J. Mortality after spinal cord injury: An 11-year prospective study. <i>Arch Phys Med Rehabil</i> 1997; 78 (August): 815-821.	USA/Mid West	1985-1996	A retrospective study of all study participants were part of a longitudinal sample that was identified from outpatient files of a large Midwestern university hospital	L

Krause JS, Zhai Y, Saunders LL, Carter RE. Risk of mortality after spinal cord injury: An 8-year prospective study. <i>Arc Phys Med Rehabil</i> 2009; 90 (October): 1708-1715.	USA/SE	1997-1998	Prospective cohort study from a large specialty hospital in the Southeastern United States using 3 types of records: (1) the Model SCI Systems patient database, (2) the Model SCI Systems registry, and (3) an outpatient directory	M
Kurtzke JF. Epidemiology of Spinal Cord Injury. <i>Experimental Neurology</i> 1975; 48 (3, Part 2): 163-236.	USA	1971	Health Interview Survey	M
Lakhey S, Jha N, Shrestha BP, Niraula S. Aetioepidemiological profile of spinal injury patients in Eastern Nepal. <i>Tropical Doctor</i> 2005; 35 (4): 231-3.	Nepal/East	1997-2001	Retrospective case series of SCI patients admitted in the orthopaedic ward of BP Koirala Institute of Health Sciences, Dharan, Nepal	L
Lan C, Lai JS, Chang KH, Jean YC, Lien IN. Traumatic spinal cord injuries in the rural region of Taiwan: an epidemiological study in Hualien county, 1986-1990. <i>Paraplegia</i> 1993; 31 : 398-403.	Taiwan/Hualien county	1986-1990	Retrospective review of hospital records	L
Lasfargues JE, Custis D, Morrone F, Carswell J, Nguyen T. A model for estimating spinal cord injury prevalence in the United States. <i>Paraplegia</i> 1995; 33 (2): 62-8.	USA		Model to estimate SCI prevalence	M
Levi R, Hultling C, Nash MS, Seiger A. The Stockholm spinal cord injury study: 1. Medical problems in a regional SCI population. <i>Paraplegia</i> 1995; 33 (6): 308-315.	Sweden/Stockholm		Interview of people with SCI, identified using regional data registers (hospitals, outpatient services, rehabilitation facilities, etc)	M
Levy LF, Makarawo S, Madzivire D, Bhebhe E, Verbeek N, Parry O. Problems, struggles and some success with spinal cord injury in Zimbabwe. <i>Spinal Cord</i> 1998; 36 : 213-218.	Zimbabwe	1988-1994	Retrospective survey of patients from the National Rehabilitation Centre	L
Li J, Liu G, Zheng Y, Hao C, Zhang Y, Wei B <i>et al.</i> The epidemiological survey of acute traumatic spinal cord injury (ATSCI) of 2002 in Beijing municipality. <i>Spinal Cord</i> 2011; (Spinal Cord advance online publication, 8 March 2011; doi:10.1038/sc.2011.8).	China/Beijing municipality	2002	Epidemiological survey of hospital records	L

Lidal IB, Snekkevik H, Aamodt G, Hjeltnes N, Stanghelle JK, Biering-Sorensen F. Mortality after Spinal Cord Injury in Norway. <i>J Rehabil Med</i> 2007; 39 : 145-151.	Norway	1961-1982	A cross-sectional study with retrospective data of traumatic spinal cord injury patients admitted to Sunnaas Rehabilitation Hospital	M
Loblaw DA, Laperriere NJ, Mackillop WJ. A Population-based Study of Malignant Spinal Cord Compression in Ontario. <i>Clinical Oncology</i> 2003; 15 : 211-217.	Canada/Ontario	1990-1995	Population-based cohort study	M
Maharaj J. Epidemiology of spinal cord paralysis in Fiji: 1985-1994. <i>SpinalCord</i> 1996; 34 (9): 549-559.	Fiji	1985-1994	Restrospective study using medical rehabilitation hospital data	L
Martins F, Freitas F, Martins L, Dartigues J, Barat M. Spinal cord injuries--epidemiology in Portugal's central region. <i>Spinal Cord</i> 1998; 36 (8): 574-578.	Portugal/Central region	1989-1992	Retrospective study of Coimbra hospitals' records using ICD-9-CM codes (806 and 952).	L
Martins F, Freitas F, Martins L, Dartigues J, Barat M. Spinal cord injuries--epidemiology in Portugal's central region. <i>Spinal Cord</i> 1998; 36 (8): 574-578.	Portugal/Central region	1989-1992	Retrospective study of Coimbra hospitals' records using ICD-9-CM codes (806 and 952).	L
Masood Z, Wardug GM, ashraf J. Spinal Injuries: Experience of a local neurosurgical centre. <i>Pak J Med Sci</i> 2008; 24 (3): 368-371.	Pakistan/Karachi	2003-2007	Prospective study of admissions to the Department of Neurosurgery at Civil Hospital Karachi	L
McKinley WO, Seel R, Hardman J. Non traumatic spinal cord injury: incidence, epidemiology, and functional outcome. <i>Arch Phys Med Rehabil</i> 1999; 80 : 619-623.	USA		Five-year prospective study of consecutive patients with SC1 who were admitted over a 5-year period to the rehabilitation medicine unit at a Level I tertiary trauma center. The center is a regional participant in the National Spinal Cord Injury Model Systems program	M
Minaire P, Castanier M, Girard R, Berard E, Deidier C, Bourret J. Epidemiology of spinal cord injury in the Rhone-Alpes Region, France, 1970-75. <i>Paraplegia</i> 1978-79; 16 : 76-87.	France/Rhone-Alpes region	1970-1975	Retrospective study at Henry Gabrielle Hospital	L
Morbidity and Mortality Weekly Report. Trends in traumatic spinal cord injury - New York 1982-1988. 1991; 40 (31): 535-537.	USA/New York	1982-1988	Retrospective review of hospital discharges from the New York State Department of Health's Statewide Planning and Research Cooperative System	M or L

Mukhida K, Sharma MR, Shilpakar SK. Pediatric neurotrauma in Kathmandu, Nepal: implications for injury management and control. <i>Childs Nerv Syst</i> 2006; 22 : 352-362.	Nepal/Kathmmandu	2001-2004	Retrospective of paediatric patients admitted to Tribhuvan University Teaching Hospital	NA
Murray PK, Kusior MF. Epidemiology of nontraumatic and traumatic spinal cord injury. <i>Arch Phys Med Rehabil</i> 1984; 65 : 634.	USA/New York		Retrospective review	L
Nair K, Taly A, Maheshwarappa B, Kumar J, Murali T, Rao S. Nontraumatic spinal cord lesions: a prospective study of medical complications during in-patient rehabilitation. <i>Spinal Cord</i> 2005; 43 (9): 558-564.	India/Bangalore	1995-1999	Prospective descriptive study of consecutive patient admissions to a rehabilitation unit of a tertiary care university hospital for Neurology, Neurosurgery and Psychiatry in South India	L
National Spinal Cord Injury Statistical Center. Spinal cord injury. Facts and figures at a glance. <i>Journal of Spinal Cord Medicine</i> 2005; 28 (4): 379-80.	USA	2005	National Spinal Cord Injury Database containing 25 federally funded Model SCI Care Systems data	M
Neumann CR, Brasil AV, Albers F. Risk Factors for Mortality in Traumatic Cervical Spinal Cord Injury: Brazilian Data. <i>The Journal of Trauma Injury, Infection, and Critical Care</i> 2009; 67 (1): 67-70.	Brazil/Porto Alegre	2001-2005	Retrospective study of patients admitted to Hospital de Pronto Socorro Municipal de Porto Alegre (Level 1 trauma centre)	L
New P. Functional Outcomes and Disability After Nontraumatic Spinal Cord Injury Rehabilitation: Results From a Retrospective Study. <i>Arch Phys Med Rehabil</i> 2005; 86 (Feb): 250-261.	Australia/Victoria	n/r	Retrospective study of patients admitted to a state-wide, population-based, health-administration database of hospital admissions	M
New PW, Rawicki HB, Bailey MJ. Nontraumatic spinal cord injury: Demographic characteristics and complications. <i>Arch Phys Med Rehabil</i> 2002; 83 : 996-1001.	Australia/Victoria	1995-1997	Retrospective, 3-year, case series of consecutive sample of adult referred inpatients with NTSCI	L

New PW, Simmonds F, Stevermuer T. A population-based study comparing traumatic spinal cord injury and non-traumatic spinal cord injury using a national rehabilitation database. <i>Spinal Cord</i> 2011; 49(3): 397-403.	Australia	2002-2006	Retrospective review of patient admission records in the Australasian Rehabilitation Outcomes Centre's database	H
New PW, Sundararajan V. Incidence of non-traumatic spinal cord injury in Victoria, Australia: a population-based study and literature review. <i>Spinal Cord</i> 2008; 46(6): 406-411.	Australia/Victoria	2000-2006	Retrospective study of patients admitted to a state-wide, population-based, health-administration database of hospital admissions	M
New PW. Non-traumatic spinal cord injury: what is the ideal setting for rehabilitation? <i>Aust Health Rev</i> 2006; 30(3): 353-61.	Australia	2004-2005	Postal and email survey	L
Ning G-Z, Yu T-Q, Feng S-Q, Zhou X-H, Ban D-X, Liu Y <i>et al.</i> Epidemiology of traumatic spinal cord injury in Tianjin, China. <i>Spinal Cord</i> 2011; 49(3): 386-390.	China/Tianjin	2004-2008	Retrospective epidemiological study	L
Nobunaga AI, Go BK, Karunas RB. Recent demographic and Injury Trends in People Served by the Model Spinal Cord Injury Care systems. <i>Arch Phys Med Rehabil</i> 1999; 80(November): 1372-1382.	USA	1973-1998	Consecutive case series of persons admitted to a Model Spinal Care System within 365 days of injury	M
Norton L. <i>Spinal cord injury, Australia 2007-08: Injury research and statistics series no. 52. Cat. no. INJCAT 128.</i> Canberra: AIHW, 2010.	Australia	2007-08	Study using the Australia Spinal Cord Injury Register	H
Nwadinigwe CU, Iloabuchi TC, Nwabude IA. Traumatic Spinal Cord Injuries (SCI): A Study of 104 Cases. <i>Nigerian Journal of Medicine</i> 2004; 13(2): 161-165.	Nigeria/Enugu	1996-2001	Retrospective review of medical records of all patients with SCI managed at the National Orthopaedic Hospital Enugu	L
Nwankwo OE, Katchy AU. Outcome of a 12-week programme for management of the spinal cord injured with participation of patient's relations at Hilltop Orthopaedic Hospital, Enugu, Nigeria. <i>Spinal Cord</i> 2003; 41(2): 129-133.	Nigeria/Enugu	1996-2000	Prospective study of all patients with SCI of less than 2 weeks duration who were admitted to Hilltop Orthopaedic Hospital Enugu	L

Nwuga VCB. A Follow-up Study of Paraplegics and Tetraplegics Discharged from Hospital. <i>J Trop Med Hyg</i> 1979; 82 : 30-33.	Nigeria/Ibadan	1974-1977	Retrospective review of patients discharged from three hospitals in the Western part of Nigeria	L
Nyame P. An aetiological survey of paraplegia in Accra. <i>East Afr Med J.</i> 1994; 71 (8): 527-530.	Ghana/Accra	1991-1994	Prospective study of all patients admitted to hospitals in Accra	L
Obalum DC, Giwa SO, Adekoya-Cole TO, Enweluzo GO. Profile of spinal injuries in Lagos, Nigeria. <i>Spinal Cord</i> 2009; 47 (2): 134-137.	Nigeria/Lagos	1992-2006	Retrospective review of cases was conducted at Lagos University Teaching Hospital (LUTH), Lagos	L
O'Connor P. Incidence and patterns of spinal cord injury in Australia. <i>Accident Analysis & Prevention</i> 2002; 34 (4): 405-15.	Australia	1988/1999	Study using the Australia Spinal Cord Injury Register	H
O'Connor PJ. Prevalence of spinal cord injury in Australia. <i>Spinal Cord</i> 2005; 43 (1): 42-6.	Australia	1986-1997	Cohort study, based on cases of SCI registered between 1986 and 1997	H
O'Connor PJ. Survival after spinal cord injury in Australia. <i>Arch Phys Med Rehabil</i> 2005; 86 (1): 37-47.	Australia	1986-1997	Study using the Australia Spinal Cord Injury Register	H
O'Connor RJ, Murray PC. Review of spinal cord injuries in Ireland. <i>Spinal Cord</i> 2006; 44 (7): 445-8.	Ireland	2000	Prospective study of all patients with SCI admitted to Ireland's National Spinal Cord Injury Centre	M
Odeku LE, Adeloye A, Osuntokun BO. Non-tuberculous intraspinal canal masses in Ibadan. <i>Afr J Med Sci</i> 1971; 2 : 37-48.	Nigeria/Ibadan	1971	Retrospective review of patient records	L
Ogunniyi A, Shokunbi M, Oluwole O, Adeyinka A, Malomo A, Adebisi A. Non-traumatic spinal cord diseases in Ibadan, Nigeria: aetiology and prognostic factors. <i>Cent Afr J Med.</i> 1995; 41 (2): 50-54.	Nigeria/Ibadan	1988-1993	Retrospective review of patient records	L
Ohry A, Rozin R, Brooks ME. Paediatric traumatic Spinal cord Injuries in Israel. <i>Isr J med Sci</i> 1985; 21 : 526-528.	Israel	1974-1984 (5?)	Retrospective study of paediatric SCI cases	NA
Ojiambo HP. Neurological disease at Kenyatta National Hospital, Nairobi. <i>East Afr Med J.</i> 1966; 43 (9): 366-376.	Kenya	1965	Retrospective study based on a study of neurological disease seen in a unit at Kenyatta National Hospital, Nairobi	L

Olasode BJ, Komolafe IE, Komolafe M, Olasode OA. Traumatic spinal cord injuries in Ile-Ife, Nigeria, and its environs. <i>Tropical Doctor</i> 2006; 36 (3): 181-2.	Nigeria/Ile-Ife	2004-2006?	Prospective study of all traumatic injuries of the spinal cord seen consecutively within the last 18 months at the Obafemi Awolowo University and Teaching Hospitals Complex (OAUTHC)	L
Ones K, Yilmaz E, Beydogan A, Gultekin O, Caglar N, Ones K <i>et al.</i> Comparison of functional results in non-traumatic and traumatic spinal cord injury. <i>Disabil Rehabil</i> 2007; 29 (15): 1185-91.	Turkey/Istanbul	2002-2005	Retrospective study of patients admitted to a Physical Medicine and Rehabilitation Training and Research Centre	L
Osterthun R, Post MWM, van Asbeck FWA. Characteristics, length of stay and functional outcome of patients with spinal cord injury in Dutch and Flemish rehabilitation centres. <i>Spinal Cord</i> 2009; 47 (4): 339-344.	Netherlands and Belgium/Flanders	2002-2007	Multi-centre prospective descriptive study	L
Osuntokun BO. The pattern of neurological illness in tropical Africa: Experience at Ibadan, Nigeria. <i>J neurol Sci</i> 1970; 12 : 417-442.	Nigeria/Ibadan	1957-1969	Retrospective review of patient records	L
Otom A, Doughan A, Kawar J, Hattar E. Traumatic spinal cord injuries in Jordan--an epidemiological study. <i>Spinal Cord</i> 1997; 35 (4): 253-255.	Jordan	1988-1993	Retrospective study was conducted at the Royal Jordanian Rehabilitation Centre (RJRC) King Hussein Medical Centre (KHMC)	L
Pagliacci MC, Celani MG, Zampolini M, Spizzichino L, Franceschini M, Baratta S <i>et al.</i> An Italian Survey of Traumatic Spinal Cord Injury. The Gruppo Italiano Studio Epidemiologico Mielolesioni Study. <i>Arch Phys Med Rehabil</i> 2003; 84 (September): 1266-1275.	Italy	1997-1999	Multicenter prospective study involving patients with SCI discharged, after rehabilitative care, from thirty-two Italian hospitals involved in SCI rehabilitation	M
Pagliacci MC, Franceschini M, Di Clemente B, Agosti M, Spizzichino L. A multicentre follow-up of clinical aspects of traumatic spinal cord injury. <i>Spinal Cord</i> 2007; 45 (6): 404-410.	Italy	1997-1999	Prospective, multicentred follow-up (FU) observational study	M
Pajareya K. Traumatic spinal cord injuries in Thailand; an epidemiologic study in Siriraj Hospital, 1989-1994. <i>Spinal Cord</i> 1996; 34 : 608-610.	Thailand/Bangkok	1994	Retrospective review of patients with SCI admitted to Siriraj Hospital, Bangkok	L

Parry O, Bhebhe E, Levy LF. Non-traumatic paraplegia in a Zimbabwean population--a retrospective survey. <i>Cent Afr J Med</i> . 1999; 45 (5): 114-119.	Zimbabwe	1989-1994	Retrospective survey of NTSCI patients who were rehabilitated at the National Rehabilitation Centre, Ruwa	L
Pedersen V, Muller PG, Biering-Sorensen F. Traumatic Spinal Cord Injuries in Greenland 1965-1986. <i>Paraplegia</i> 1989; 27 : 345-349.	Greenland	1965-1986	Retrospective review of patients with SCI admitted to the Rehabilitation Hospital in Hornbaek	M
Pedram H, Reza Z, Reza R, Vaccaro A, Vafa R-M. Spinal fractures resulting from traumatic injuries. <i>Chinese Journal of Traumatology</i> 2010; 13 (1): 3-9.	Iran	1999-2004	Retrospective cross-sectional study using data from the Iranian National Trauma Registry	L
Penington GR. Management of non-traumatic paraplegia. <i>Medical Journal of Australia</i> 1986; 144 (March 31): 364-365.	Australia/Victoria	n/r	Retrospective study of patients admitted to a state rehabilitation and extended care hospital	L
Pickett GE, Campos-Benitez M, Keller JL, Duggal N. Epidemiology of traumatic spinal cord injury in Canada. <i>Spine</i> 2006; 31 (7): 799-805.	Canada/SW Ontario	1997-2001	Retrospective review of the London Health Sciences Centre computerised medical records	L
Pickett W, Simpson K, Walker J, Brison RJ. Traumatic spinal cord injury in Ontario, Canada. <i>Journal of Trauma Injury, Infection, and Critical Care</i> 2003; 55 (6): 1070-6.	Canada/Ontario	1994-1999	Retrospective review of the Minimal Data Set of the Ontario Trauma Registry	M
Population Reference Bureau. 2008 World population data sheet: Washington, DC; website: www.prb.org, 2008.				
Price C, Makintubee S, Herndon W, Istre GR. Epidemiology of Traumatic Spinal Cord Injury and Acute Hospitalization and Rehabilitation Charges for Spinal Cord Injuries in Oklahoma, 1988-1990. <i>American Journal of Epidemiology</i> 1994; 139 (1): 37-47.	USA/Oklahoma	1988-1990	Retrospective review using the statewide, population-based surveillance system	M
Quinones M, Nassal M, Al Bader KI, Al Muraikhi AE, Al Kahlout SR. Traumatic spinal cord in Qatar: An epidemiological study. <i>Middle East Journal of Emergency Medicine</i> 2002; 2 (1): 1-5.	Qatar	1987-1996	A retrospective and descriptive survey of all traumatic SCI patients admitted to Hamad General Hospital	L

Rahimi-Movaghar V, Moradi-Lakeh M, Rasouli M, Vaccaro A. Burden of spinal cord injury in Tehran, Iran. <i>Spinal Cord</i> 2010; 48 (6): 492-497.	Iran/Tehran	2008	Investigation of burden of traumatic SCI using disease modeling	L
Rahimi-Movaghar V, Saadat S, Rasouli M, Ganji S, Ghahramani M, Zarei M-R <i>et al.</i> Prevalence of spinal cord injury in Tehran, Iran. <i>J Spinal Cord Med</i> 2009; 32 (4): 428-431.	Iran/Tehran	2003-2008	Population-based study using random cluster sampling to select addresses for survey	L
Raja IA, Viohra AH, Ahmed M. Neurotrauma in Pakistan. <i>World J. Surgery</i> 2001; 25 : 1230-1237.	Pakistan	1995-1999	Retrospective review of patients admitted to neurosurgical centres	L
Rathore MFA, Hanif S, Farooq F, Ahmad N, Mansoor SN. Traumatic spinal cord injuries at a tertiary care rehabilitation institute in Pakistan. <i>JPMA - Journal of the Pakistan Medical Association</i> 2008; 58 (2): 53-7.	Pakistan	2006	Prospective observational study conducted at the Spinal unit, Armed Forces Institute of Rehabilitation Medicine (AFIRM) Rawalpindi	L
Razdan S, Kaul RL, Motta A, Kaul S, Bhatt RK. Prevalence and Pattern of Major Neurological Disorders in Rural Kashmir (India) in 1986. <i>Neuroepidemiology</i> 1994; 13 : 113-119.	India/Kashmir	1986	House-to-house survey utilising WHO protocol, 1981	L
Rick Hansen Spinal Cord Injury Register. <i>Spinal Cord Injury Facts and Statistics: Canada</i> , 2006.	Canada	2001-2002	Retrospective review of data from National Trauma Registry, Hospital Injury Admissions - All Provinces	H
Roche SJ, Sloane PA, McCabe JP. Epidemiology of spine trauma in an Irish regional trauma unit: A 4-year study. <i>Injury Int J Care injured</i> 2008; 39 : 436-442.	Ireland/West	51-month period	Regional spine trauma register	M
Ronen J, Goldin D, Bluvshstein V, Fishel B, Gelernter I, Catz A. Survival after nontraumatic spinal cord lesions in Israel. <i>Arch Phys Med Rehabil</i> 2004; 85 (September): 1499-1502.	Israel	1962-2000	Retrospective cohort study of patients admitted to the Loewenstein Rehabilitation Hospital	M
Sabre L, Linnamagi U, Derrik G, Rekand T, Asser T, Korv J. Traumatic spinal cord injuries in Estonia from 2003 to 2007. In: <i>ISCoS</i> . Florence: University of Tartu, 2009.	Estonia	2003-2007	Retrospective study of medical records of TSCI patients from Tartu University Hospital and North Estonia Medical Centre	L

Samsa GP, Patrick CH, Feussner JR. Long-term Survival of Veterans with Traumatic Spinal Cord Injury. <i>Arch Neurol</i> 1993; 50 : 909-914.	USA	1940-1987	Retrospective cohort study of US veterans	M
Saunders LL, Selassie AW, Hill EG, Nicholas JS, Varma AK, Lackland DT <i>et al.</i> Traumatic spinal cord injury mortality, 1981-1998. <i>J Trauma</i> 2009; 66 : 184-190.	USA/South Carolina	1981-1998	Retrospective study using the SCI Surveillance System	L
Schönherr MC, Groothoff JW, Mulder GA, Eisma WH. Rehabilitation of patients with spinal cord lesions in the Netherlands: an epidemiological study. <i>Spinal Cord</i> 1996; 34 : 679-683.	Netherlands	1982-1993	Retrospective study based on SCI admissions to the rehabilitation centre Beatrixoord	L
Scivoletto G, Farchi S, Laurenza L, Molinari M. Traumatic and non-traumatic spinal cord lesions: an Italian comparison of neurological and functional outcomes. <i>Spinal Cord</i> 2011; 49 (3): 391-396.	Italy	1996-2004	Retrospective study based on SCI admissions to a spinal cord unit in a rehabilitation hospital	L
Seye S, Sow C, Bassene N, Gueye M, Pouye I. Recent injuries of the spinal apropos of 496 cases, 30 autopsies. <i>Med Trop (Mars)</i> 1993; 53 (4): 471-477.	Senegal/Dakar	1980-1988	Retrospective study of SCI patients at teaching hospitals in Dakar	L
Shavelle RM, DeVivo MJ, Strauss DJ, Paculdo DR, Lammertse DP, Day SM. Long-term Survival of Persons Ventilator Dependent After Spinal Cord Injury. <i>J Spinal Cord Med</i> 2006; 29 (5): 511-519.	USA	1973-2003	Retrospective study using data collected through the Model SCI Systems Program and submitted to the National Spinal Cord Injury Statistical Center (NSCISC)	M
Shingu H, Ohama M, Ikata T, Katoh S, Akatsu T. A nationwide epidemiological survey of spinal cord injuries in Japan from January 1990 to December 1992. <i>Paraplegia</i> 1995; 33 (4): 183-188.	Japan	1990-1992	Survey of TSCI using a questionnaire mailed to all departments of orthopaedic surgery, neurosurgery and rehabilitation and emergency medical service centres in medical institutions throughout Japan	M
Silberstein B, Rabinovich S. Epidemiology of spinal cord injuries in Novosibirsk, Russia. <i>Paraplegia</i> 1995; 33 (6): 322-325.	Russia/Novosibirsk	1989-1993	Retrospective review of all inpatients admitted to the Department of Spinal Cord Injuries, Research Institute of Traumatology	L
Silva JF. Some experiences with non-traumatic paraplegia in Malaysia. <i>Paraplegia</i> 1973; 11 : 146-158.	Malaysia	1967-1971	Retrospective study based on admissions to the University Hospital, Kuala Lumpur	L

Singh R, Sharma SC, Mittal R, Sharma A. Traumatic spinal cord injuries in Haryana: An epidemiological study. <i>Indian Journal of Community Medicine</i> 2003; 28 (Oct-Dec): 184-186.	India/Haryana	2000-2001	Prospective study based on TSCI patient admissions to Accident and Emergency Department	L
Soden RJ, Walsh J, Middleton JW, Craven ML, Rutkowski SB, Yeo JD. Causes of death after spinal cord injury. <i>Spinal Cord</i> 2000; 38 : 604-610.	Australia	1955-1994	Data for the study population were drawn from a cohort of 335 individuals with traumatic SCI who were known to have died and been entered into an active Spinal Unit patient database	M
Solagberu BA. Spinal cord injuries in Ilorin, Nigeria. <i>West Afr J Med</i> 2002; 21 (3): 230-232.	Nigeria/Ilorin	1995-1999	Retrospective review of patients admitted for SCI	L
Soopramanien A. Epidemiology of spinal injuries in Romania. <i>Paraplegia</i> 1994; 32 : 715-722.	Romania/Bucharest	1992-1993	Prospective study of patients admitted with SCI to a hospital in Bucharest	L
Stover SL, Fine PR. The epidemiology and economics of spinal cord injury. <i>Paraplegia</i> 1987; 25 : 225-228.	USA	1986?	Retrospective review of SCI cases documented in the National SCI database	M
Surkin J, Gilbert B, Harkley H, Sniezek J, Currier M. Spinal cord injury in Mississippi. Findings and evaluation, 1992-1994. <i>Spine</i> 2000; 25 (6): 716-721.	USA/Mississippi	1992-1994	Retrospective review of SCI cases recorded in the Mississippi SCI surveillance system	L
Sutton NG. <i>Injuries to the Spinal Cord. The management of paraplegia and tetraplegia.</i> , Butterworth: London, pg 185, 1973, 185pp.	Australia/Brisbane	1970's	Retrospective review of SCI series in Brisbane Spinal Unit	L
Taghippor M, Kazemzadeh SE. Traumatic vertebral column and spinal cord injury in Nemazi hospital, Shiraz: an epidemiological study. <i>Acta Medica Iranica</i> 2010; 48 (3): 55-62.	Iran/Shiraz	2005	Prospective, descriptive study of all cases admitted to Shiraz Nemazi Hospital with a traumatic vertebral column injury	L
Tator CH, Duncan EG, Edmonds VE, Lapczak LI, Andrews DF. Changes in Epidemiology of Acute Spinal Cord Injury from 1947 to 1981. <i>Surg Neurol</i> 1993; 40 : 207-215.	Canada/Toronto	1974-1981	Retrospective review based on the first 220 consecutive admissions to the Acute Spinal Cord Injury Unit	L

Tchvaloon E, Front L, Gelernter I, Ronen J, Bluvshstein V, Catz A. Survival, neurological recovery and morbidity after spinal cord injuries following road accidents in Israel. <i>Spinal Cord</i> 2008; 46 (2): 145-149.	Israel	1962-2004	Retrospective review of road accident SCI patients admitted and treated at the Lowenstein Rehabilitation Hospital	M
Thurman DJ, Burnett CL, Jeppson L, Beaudoin DE, Sniezek JE. Surveillance of spinal cord injuries in Utah, USA. <i>Paraplegia</i> 1994; 32 : 665-669.	USA/Utah	1989-1991	SCI Surveillance based on hospital discharges recorded in a statewide reporting system of the Utah Department of Health, Bureau of Epidemiology	M
Tucci L, Werhagen L, Aito S. Causes of traumatic spinal cord injuries: evidence from the past 30 years in the area of Florence. In: <i>ISCOs/ASIA International Conference, Spinal Cord Medicine and Rehabilitation, June 4-8</i> . Grand Hyatt Washington Hotel Washington, DC USA, 2011.	Italy/Florence	1981-2010	Retrospective review of TSCI patients recorded in the Spinal Unit of Florence database	L
van Asbeck F, Post M, Pangalila R. An epidemiological description of spinal cord injuries in The Netherlands in 1994. <i>Spinal Cord</i> 2000; 38 (7): 420-424.	Netherlands	1994	Retrospective descriptive study based on discharges from Dutch hospitals registered in a national registration for disease based on the ICD-9	H
Van den Berg ME, Castellote JM, Mahillo-Fernandez I, De Pedro-Cuesta J. Incidence of traumatic spinal cord injury in Aragon, Spain (1972-2008). <i>Journal of Neurotrauma</i> 2011; 28 (March): 469-477.	Spain/Aragon	1972-2008	Retrospective study of TSCI patients admitted to the Servet Hospital, the only specialised SCI unit in Aragon	L
Velmahos GC, Degiannis E, Hart K, Souter I, Saadia R. Changing Profiles in Spinal Cord Injuries and Risk Factors Influencing Recovery after Penetrating Injuries. <i>The Journal of Trauma: Injury, Infection, and Critical Care</i> 1995; 38 (3): 334-337.	South Africa/Johannesburg	1988-1992	Retrospective study of SCI patients treated at the Spinal Unit, Natalspruit Hospital	L
Vitale MG, Goss JM, Matsumoto H, Roye DP, Jr. Epidemiology of pediatric spinal cord injury in the United States: years 1997 and 2000. <i>J Pediatr Orthop</i> 2006; 26 (6): 745-9.	USA	1997-2000	Retrospective study using the the Kids' Inpatient Database (KID) and the National Trauma Data Bank (NTDB)	NA
Walsh J. Costs of spinal cord injury in Australia. <i>Paraplegia</i> 1988; 26 : 380-388.	Australia	1988	Data obtained from the Australian Spinal Cord Injury Register	H

Warren S, Moore M, Johnson M. Traumatic head and spinal cord injuries in Alaska (1991-1993). <i>Alaska Medicine</i> 1995; 37 (1): 11-19.	USA/Alaska	1991-1993	Retrospective study using information collected from the Alaskan Trauma Registry (ATR)	L
Weerts E. <i>Prevention of spinal cord injury accidents. What does it mean? How can I avoid it? How can I help?</i> : Hanoi, 2008.	Vietnam/Hanoi	2003-2008	Prospective study based on SCI Unit data	L
Yang N-P, Deng C-Y, Lee Y-H, Lin C-H, Kao C-H, Chou P. The incidence and characterisation of hospitalised acute spinal trauma in Taiwan—A population-based study. <i>Injury Int J Care injured</i> 2008; 39 : 443-450.	Taiwan	2000-2003	Cross-sectional population-based study of hospitalised cases due to acute spinal trauma in Taiwan, based on information from the nationwide National Health Insurance (NHI) database	L
Yeh Y-S, Lee S-T, Liui T-N, Fairholm DJ, Chen W-J, Wong M-K. Features of Spinal Cord Injury in Taiwan (1977-1989). <i>Chang Gung Med J</i> 1993; 16 (3): 170-175.	Taiwan	1977-1989	Retrospective review of patients admitted to Chang Gung Memorial Hospital	L
Yeh Y-S, Lee S-T, Liui T-N, Fairholm DJ, Chen W-J, Wong M-K. Features of Spinal Cord Injury in Taiwan (1977-1989). <i>Chang Gung Med J</i> 1993; 16 (3): 170-175.	Taiwan	1977-1989	Retrospective review of patients admitted to Chang Gung Memorial Hospital	L
Yeo JD, Walsh J, Rutkowski SB, Soden RJ, Craven ML, Middleton JW. Mortality following spinal cord injury. <i>Spinal Cord</i> 1998; 36 : 329-336.	Australia	1955-1994	Retrospective review of TSCI patients admitted to Royal North Shore Hospital Spinal Unit	M
Zeilig G, Dolev M, Weingarden H, Blumen N, Shemesh Y, Ohry A. Long-term morbidity and mortality after spinal cord injury: 50 years of follow-up. <i>Spinal Cord</i> 2000; 38 : 563-566.	Israel	1948, 50 years follow-up	Chart reviews of patients admitted to the Sheba Medical Centre which includes a National SCI Rehabilitation Unit and telephone interviews	M
Zenebe G, Oli K, Tekle-Haimanot R. Paraplegia at the Tikur Anbessa Teaching Hospital: a seven year retrospective study of 164 cases. <i>Ethiop Med J.</i> 1995; 33 (1): 7-13.	Ethiopia	1990-1993	Retrospective study based on admissions to the Tikur Anbessa Teaching Hospital	L
Zenebe G. Myelopathies in Ethiopia. <i>East African Medical Journal</i> 1995; 72 (1): 42-45.	Ethiopia	1990-1993	Retrospective study based on admissions to the Tikur Anbessa Teaching Hospital	L

Zhao Y-D, Wang W. Neurosurgical Trauma in People's Republic of China. *World J. Surg.* 2001; **25**: 1202-1204.

China

1983-1985

Door to door survey in six cities

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