

**Table 3: Incidence, neurological level and aetiology of traumatic spinal cord injury by Region and Author(s) of published data**

Region	Country	Author(s) of published data	Observation period	Incidence per million population per year	Neurological level of injury		Aetiology of SCI
					Tetraplegia %	Paraplegia %	
<b>Asia Pacific, High Income</b>							
	Japan	Shingu <sup>1</sup>	1990–1992	40.2 (Estimated number 14,968; Males, n=7,842, Females, n=1909)	75%	25%	Land transport (44%, n=4,263), Falls (42%, n=4,078), Sports/recreation (5%, n=528), Self-harm (2%, n=167) and Other/unknown (7%, n=716).
	Japan (Okayama Prefecture)	Ide <sup>2</sup>	1988-1989	28.6 (n=55; Males, n=45, Females, n=10)	69%	31%	Land transport (33%, n=18), Falls (16%, n=9), Work-related (38%, n=21) and Other/unknown (13%, n=7).
<b>Asia, East</b>							
	China (Tianjin)	Ning <sup>3</sup>	2004-2008	23.7 (n=869; Males, n=738, Females, n=131)	72%	28%	Land transport (34%, n=296), Falls (57%, n=495), Sports/recreation 0.2%, n=2), Violence (1.4%, n=12), Work-related (0.8%, n=7) and Other/unknown (6.5%, n=57).
	China (Beijing)	Li <sup>4</sup>	2002	60.6 est. (n=1,079); n=264; Males, n=198, Females, n=66)	5%	95%	Land transport (22%, n=59), Falls (41%, n=109), Sports/recreation (1%, n=3), Violence (0.4%, n=1) and Other/unknown (35.6%, n=94).
	China (Beijing, Shanghai)	Zhao <sup>5</sup>	1983 and 1985	n/r*	31%-39%	69%	Land transport (12.1%-16.7%), Falls (33.3%-66.7%) and Violence (15.1%-22.2%).
	Taiwan	Yang <sup>6</sup>	2000-2003	73.0 (n=6455); Males, n=3058, Females*, n=3397) *ICD9 806.X (Fractured vertebra with SCI and assuming male to female ratio 0.9	n/r	n/r	n/r
	Taiwan	Chen <sup>7</sup>	1992–1996	18.8 (n=1,232; Males, n=958, Females, n=274) (Age group (15-64 years)	43%	57%	Land transport (49%, n=609), Falls (41%, n=500), Sports/recreation (1%, n=16), Violence (2%, n=25) and Other/unknown (7% n=82).
	Taiwan	Chen <sup>7</sup>	1992–1996	47.5 (Geriatric population, n=297; Males, n=186, Females, n=111) (Age group (65-and above	54%	45%	Land transport (33%, n=97), Falls (62%, n=185), Sports/recreation (0.3%%, n=1), Violence (2% n=5) and Other/unknown (2.7% n=9).

				years).			
	Taiwan	Yeh <sup>8</sup>	1977-1989	250 cases annually** (Total cases n=1,617; Males, n=1,295, Females n=322)	41%	59%	Land transport (63%, n=1,096), Falls and Self-harm (12%, n=200), Work-related (19%, n=308) and Other/unknown (6%, n=13).
	Taiwan (HualienCounty)	Lan <sup>9</sup>	1986-1990	56.1(n=99; Males, n=79, Females, n=20)	70%	30%	Land transport (62%, n=61), Falls (23%, n=23), Sports/recreation (6%, n=6), Violence (3%, n=3), Self-harm (2%, n=2) and Other/unknown (4%, n=4).
	Taiwan (Taipei)	Chen <sup>10</sup>	1978-1981	14.6 (n=560; Males, n=465, Females, n=95)	47%	53%	Land transport (45%, n=249), Falls (29%, n=157), Sports/recreation (3%, n=19), Violence (3%, n=15), Suicide (1%, n=8) and Other/unknown (20%, n=112).
<b>Asia, South</b>							
	Bangladesh	Hoque <sup>11</sup>	1994-1995	n/r (n=179; Males, n=158, Females, n=21)	40%	60%	Land transport (18%, n=33), Falls (63%, n=113) and Other/unknown (19%, n=33).
	India (Haryana)	Singh <sup>12</sup>	2000-2001	n/r (n=483; Males, n=361, Females, n=122)	34%	66%	Land transport (35%, n=168), Falls (50%, n=241), Sports/recreation (4%, n=19), Violence (3%, n=13) and Other/unknown (8%, n=42).
	Nepal	Mukhida <sup>13</sup>	2001-2004	5 cases annually (Estimate, ages <19 years)(n=14 during study period; Males, n=9, Females, n=5)	35%	65%	Falls (61%, n=9).
	Nepal (East)	Bajracharya <sup>14</sup>	1996-2005	n/r (n=896; Males, n=684, Females, n=212)	40%	60%	Land transport (13%, n=116), Falls (60%, n=538), Work-related (8%, n=72) and Other/unknown (19%, n=170).
	Nepal (East)	Lakhey <sup>15</sup>	1997-2001	n/r (n=233; Males, n=169, Females, n=64)	38%	62%	Land transport (7%, n=16), Falls (82%, n=192) and Other/unknown (11%, n=25).
	Pakistan	Masood <sup>16</sup>	2003-2007	n/r (n=214; Males, n=189, Females, n=25)	47%	53%	Land transport (23%, n=50), Falls (68%, n=145), Sports/recreation (1%, n=3), Violence (6%, n=12) and Other/unknown (2%, n=4).
	Pakistan	Raja <sup>17</sup>	1995-1999	5.1 (n=2,654; Males, n=1,922, Females, n=732)	68%	32%	Land transport (7%, n=186), Falls (82%, n=2176) and Other/unknown (11%, n=292).
	Pakistan (AFIRM, Rawalpindi)	Rathore <sup>18</sup>	2006	n/r (n=83; Males, n=68, Females 15)	27%	71%	Land transport (25%, n=21), Falls (58%, n=48), Violence (8%, n=7) and Other/unknown (9%, n=7).
<b>Asia, Southeast</b>							
	Thailand (Bangkok)	Parajareya <sup>19</sup>	1989-1994	5.8 (Estimate based on	50%	50%	Land transport (51%, n=111), Falls (31%, n=67),

				1992 population of 6,250,000; n=219; Males, n=186, Females, n=33)			Sport/recreation (0.5%, n=1), Violence (8%, n=18), Self-harm (0.5%, n=1) and Other/unknown (9%, n=21).
	Thailand (Chiang Mai)	Kovindha <sup>20</sup>	1985-1991	23 (n=398; Males, n=365, Females, n=33)	53%	47%	Land transport (47%, n=187), Falls (48%, n=191), Violence (4%, n=16) and Other/unknown (1%, n=4).
	VietNam	Weerts <sup>21</sup>	2006-2007	13.9 (Estimate based on 2008 population of 86,116,560; n=247)	n/r	n/r	Land transport (45%, n=111), Sports/recreation (2%, n=4), Work-related (17%, n=40), Violence (1%, n=3) and Other/unknown (36%, n=89).
<b>Australasia</b>							
	Australia	Norton <sup>22</sup>	2007-2008	15.0 (Age-standardised); (n=285; Males, n=249, Females, n=45)	53%	47%	Land transport (46%, n=130), Falls (28%, n=81), Sports/recreation (13%, n=37) and Other/unknown (13%, n=37).
	Australia	Cripps <sup>23</sup>	2006-2007	14.9 (Age-standardised); (n=272; Males, n=226, Females, n=46)	50%	50%	Land transport (52%, n=142), Falls (29%, n=78), Sports/recreation (8%, n=21) and Other/unknown (11%, n=31).
	Australia	O'Connor <sup>24</sup>	1998-1999	14.5 (Age-standardised); (n=265; Males, n=201, Females, n=64)	57%	43%	Land transport (43%, n=113), Falls (31%, n=83), Sports/recreation (9%, n=24) and Other/unknown (17%, n=45).
	Australia (Victoria)	Burke <sup>25</sup>	1978-1982	n/r (n=325; Males, n=254, Females, n=71)	52%	48%	Land transport (52%, n=169), Sports/recreation (16%, n=52), Work-related (12%, n=40) and Other/unknown (20%, n=65).
	Australia (Queensland)	Sutton <sup>26</sup>	1962-1971	16.6 (cases >9 years of age; estimated incidence based on 1.75 million population); (n=232; Males, n=202, Females n=30)	55%	45%	Land transport (50%, n=103), Falls (7%, n=15), Sports/recreation (21%, n=37), Work-related (20%, n=40) and Violence (2%, n=12).
	Australia (Victoria)	Cheshire <sup>27</sup>	1959-1966	11.6 (Based on Victorian population of 4 million); (n=390; Males, n=328, Females, n=62)	53%	47%	Land transport (52%, n=170), Sports/recreation (13%, n=41), Work-related (21%, n=68), Violence (2%, n=5) and Other/unknown (12%, n=41).
	New Zealand	Dixon <sup>28</sup>	1988	49.1 (n=164; Males, n=120, Females, n=44)	52%	48%	Land Transport (54%, n=89), Falls (24%, n=39), Sports/recreation (11%, n=18), Violence (2%, n=3) and Other/unknown (9%, n=15).
<b>Europe, Central</b>							
	Poland (Poznan)	Jankowski <sup>29</sup>	1979-1992	n/r (n=511; Males, n=449, Females, n=62)	50%	50%	Land transport (41%, n=208), Sports/recreation (19%, n=97), Work-related (15%, n=79) and Other/unknown (25%, n=127).

<b>Europe, Eastern</b>	Romania (Bucharest)	Soopramanien <sup>30</sup>	1975-1992	28.5 (n=400/yr approx; Male, n=317, Females, n=95)	60%	40%	Land transport (72%, n=296), Sports/recreation (7%, n=29), Work-related (13%, n=52) and Other/unknown (8%, n=35).
	Estonia	Sabre <sup>31</sup>	2003-2007	27.9 (n=191; Males, n=159, Females, n=32)	22%	78%	Land transport (27%, n=52), Falls (42%, n=80), Sports/recreation (15%, n=29), Self-harm (1%, n=2), Violence (4%, n=8) and Other/unknown (11%, n=20).
	Estonia (Haapsalu)	Eelmae <sup>32</sup>	2008-2010	n/r (n=56; Males 82%,n=46, Females 18% n=10)	48%	52%	Land transport (20%, n=11), Falls (46%, n=26), Sports/recreation (17% (diving), n=10), Violence (2%, n=1) and Other/unknown (15%, n=8).
	Russia (Saint Petersburg)	Kondakov <sup>33</sup>	1994-1996	44 (n=105; Males, n=68, Females, n=37).	n/r	n/r	Land transport (16%, n=17), Falls (34%, n=36), Sports/recreation (2%, n=2), Work-related (5%, n=5) and Other/unknown (43%, n=45).
	Russia (Novosibirsk)	Silberstein <sup>34</sup>	1989–1993	29.7 (n=196; Males, n=153, Females, n=43)	49%	51%	Land transport (25%, n=49), Falls (40%, n=79), Sports/recreation (33% n=65) and Violence (2% n=3).
<b>Europe, Western</b>	Denmark	Biering-Sorensen <sup>35</sup>	1975-1984	9.2 (n=360; Males, n=262, Females=98)	51%	49%	Land transport (47%, n=125), Falls (26%, n=70), Sports/recreation (12%, n=30), Self-harm (8%, n=21), Violence (2%, n=5) and Other/unknown (5%, n=17).
	Finland	Ahoniemi <sup>36</sup>	1976-2005	13.8 (n=1,647 >16yrs; Males, n=1,362, Females, n=285)	51%	49%	Land transport (40%, n=651), Falls (41%, n=679), Sports/recreation (7%, n=109), Violence (3% n=44) and Other/unknown (9%, n=164).
	Finland	Kannus <sup>37</sup>	1970-1995	50 (Fall-related SCI in 50 years and above in 1970); 270 (Fall-related SCI in 50 years and above in 1995)	n/r	n/r	n/r
	Finland (Helsinki)	Dahlberg <sup>38</sup>	1978-1997	13-15 (n=55 cases per year; Males 76%, Females 24%)	46%	54%	Land transport (35%, n=53), Falls (43%, n=66), Sports/recreation (9%, n=14), Violence (4%, n=6) and Other/unknown (9%, n=13).
	France	Albert <sup>39</sup>	2000	19.4 (n=934 Ages>15 years)	n/r	n/r	n/r
	France (Rhone-Alpes Region)	Minaire <sup>40</sup>	1970-1975	12.7 (n=351; Males, n=276, Females, n=75)	28%	72%	Land transport (47%, n=166), Falls (29%, n=100), Sport/recreation (8%, n=27), Violence (1% n=3) and Other/unknown (15%, n=55).
	Germany	Koning <sup>41</sup>	1983	36 (n=2,213)	n/r	n/r	n/r

Germany	Exner <sup>42</sup>	1976-1996	10.7 (Based on 1985 pop of 77,685,000); n=16,559; Males, n=11,827, Females, n=4,732) <sup>***</sup>	38%	62%	Land transport (46%, n=7,699), Sports/recreation (10%, n=1,709), Work-related (19%, n=3,119), Self-harm (7%, n=1,080), Violence (1%, n=239) and Other/unknown (17%, n=2,713).
Greece (Thessaloniki)	Divanoglou <sup>43</sup>	2006-2007	33.6 (n=87 >15 yrs; Males, n=77, Females, n=10)	48%	52%	Land transport (51%, n=41), Falls (37%, n=30), Sports/recreation (4%, n=3), Violence (2%, n=2) and Other/unknown (6%, n=5).
Greenland	Pedersen <sup>44</sup>	1965-1986	26 (n=27; Males, n=20, Females, n=7)	33%	67%	Land transport (4%, n=1), Falls (33%, n=9), Sports/recreation (4%, n=1), Self-harm (26%, n=7), Violence (11%, n=3), and Other/unknown (22%, n=6).
Iceland	Knutsdottir <sup>45</sup>	1973-2008	20 (n=191, Males, n=140, Females, n=51)	55%	45%	Land transport (46%, n=87), Falls (29%, n=55), Sports/recreation (20%, n=39) and Other/unknown (5%, n=10).
Iceland	Knutsdottir <sup>46</sup>	1973-1989	24 (1973-82); 18 (1983-89) (n=79); Males, n=43, Females, n=16 were living)	56%	44%	Land transport (50%, n=39), Falls (37%, n=29) and Other/unknown (13%, n=11).
Ireland	O'Connor <sup>47</sup>	2000	13.1 (n=46; Males, n=40, Females, n=6)	50%	50%	Land transport (50%, n=23), Falls (22%, n=10), Work-related (15%, n=7), Sports/recreation (9%, n=4), Self-harm (2%, n=1) and Other/unknown (2%, n=1).
Ireland (West Ireland)	Roche <sup>48</sup>	4-year study	195.4 (n=285; Males, n=175, Females, n=111)	43%	57%	Land transport (34%, n=97), Falls (58%, n=168), Sports/recreation (2%, n=4) and Other/unknown (5%, n=16).
Israel	Catz <sup>49</sup>	1959-1992	15.9 (n=250 consecutive patients; Males, n=189, Females, n=61) (Based on 1989 pop) <sup>***</sup>	36%	64%	Land transport (33%, n=82), Falls (17%, n=42), Work-related (27%, n=67), Self-harm (14%, n=34) and Other/unknown (9%, n=25).
Israel	Ohry <sup>50</sup>	1974-1984	1 (Approx.); (Paediatric SCI; n=23; Males, n=15, Females, n=8)	52%	48%	Land transport (35%, n=8), Falls (22%, n=5), Sports/recreation (22%, n=5) and Violence (21%, n=5).
Italy	Pagliacci <sup>51</sup>	1997-1999	18-20 Est. (n=684; Males, n=548, Females, n=136)	43%	57%	Land transport (54%, n=368), Falls (23%, n=155), Sports/recreation (8%, n=54), Self-harm (4% n=29) and Other/unknown (11%, n=78).
Italy (7 Rehabilitation Centres)	Celani <sup>52</sup>	1989-1994	2.3 (n=642; Males, n=509, Females, n=133) (Based on 1990 population) <sup>***</sup>	36%	64%	Land transport (58%, n=375), Sports/recreation (8%, n=27), Work-related (15%, n=98), Violence (3%, n=19), Self-harm (4% n=27) and Other/unknown (15%, n=96).
Italy (Florence)	Tucci <sup>53</sup>	1981-2010	n/r (n=1482; Males, n=823, Females, n=659)	31%	69%	Land transport (46%, n=689; [Motorcycles (28%, n=148), Cars [19%, n=103], Falls (37%, n=549),

							Sports/recreation (7%, n=102) and Other/unknown (11%, n=169).
Italy (Rome)	Scivioletto <sup>54</sup>	1996-2004	n/r (n=144; Males, n=116, Females, n=28)	37%	63%		Land transport (51%, n=74), Falls (28%, n=40), Sports/recreation (6%, n=8), Violence (8%, n=12) and Other/unknown (7%, n=10).
Italy (Veneto)	Caldana <sup>55</sup>	1994-1995	14.3 (n=127; Males, n=106, Females, n=21)	49%	51%		Land transport (57%, n=72), Falls (10%, n=13), Work-related (22%, n=28), Sports/recreation (6%, n=8), Violence (1% n=1) and Other/unknown (4%, n=5).
Netherlands	van Asbeck <sup>56</sup>	1994	7.5 (n=113; Males, n=87, Females, n=26)	58%	42%		Land transport (31%, n=35), Falls (49%, n=55), Work-related (4%, n=5), Sports/recreation (9%, n=10) and Other/unknown (7%, n=8).
Netherlands	Schonherr <sup>57</sup>	1982-1993	7.7 (n=142; Males, n=109, Females, n=33)	46%	54%		n/r
Netherlands and Belgium (Flanders)	Osterthun <sup>58</sup>	2002-2007	n/r (n=503; Males, n=371, Females, n=132)	50%	50%		n/r
Norway	Gjone <sup>59</sup>	1974-1975	16.5 (n=131; Males, n=109, Females, n=22)	53%	47%		n/r
Norway	Lidal <sup>60</sup>	1961-1982	4.5 approx (n=387; Males, n=321, Females, n=66)	47%	53%		Land transport (46%, n=178), Falls (32%, n=124), Sports/recreation (11%, n=43), Violence (4% n=15) and Other/unknown (7%, n=27).
Norway (Hordaland and Sogn og Flordane)	Hagen <sup>61</sup>	1952-2001	26.3 (Annual incidence in 1997-2001; n=71); (n=336; Males, n=277, Females, n=59)	52%	48%		Land transport (34%, n=115), Falls (46%, n=153), Sports/recreation (9%, n=29), Violence (1%, n=9) and Other/unknown (10%, n=34).
Portugal (Coimbra)	Martins <sup>62</sup>	1989-1992	57.8 (Survivors plus those who died, n=398; Males, n=306, Females, n=92)	52%	48%		Land transport (57%, n=228), Falls (37%, n=149) and Other/unknown (6%, n=21).
Spain	Herruzo-Cabrera <sup>63</sup>	1984-1985	8.1*** (n=208)	n/r	n/r		n/r
Spain, Aragon	Van den Berg <sup>64</sup>	1972-2008	12.1 (n=540; Males, n=427, Females, n=113)	37%	63%		Land transport (57%, n=308), Falls (25%, n=135) and Other/unknown (18%, n=97).
Sweden	Augutis <sup>65</sup>	1985-1996	4.6 (Paediatric SCI aged 0-15 yrs, n=92; Males, n=47, Females, n=45)	43%	57%		Land transport (75%, n=69), Falls (9%, n=8), Sports/recreation (13%, n=12), and Other/unknown (3%, n=3).
Sweden (Stockholm)	Divanoglou <sup>43</sup>	2006-2007	19.6 (n=49; Males, n=36, Females, n=11 [consenting cases])	45%	55%		Land transport (23%, n=11), Falls (38%, n=18), Sports/recreation (17% n=8), Self-harm (9%, n=4), Assault (2%, n=1) and Other/unknown (11%, n=5).
Switzerland	Gehrig <sup>66</sup>	1960-1967	15 (n=584; Males, n=461, Females, n=123)	33%	67%		Land transport (36%, n=210), Sports/recreation (19%, n=111), Work-related (35%, n=204), Self-



	Qatar	Quinones <sup>79</sup>	1987-1996	12.5 (n=75; Males, n=67, Females, n=8)	59%	41%	Land transport (72%, n=54), Falls (13%, n=10), Violence (assumed penetrating wound correlates: 3% n=2) and Other/unknown (12%, n=9).
	Saudi Arabia	Al-Jadid <sup>80</sup>	2005-2008	n/r (n=495; Males, n=404, Females, n=91)	n/r	n/r	n/r
	Saudi Arabia	Alshahri <sup>81</sup>	2003-2008	1.6 (based on a population of 24 million; n=307 over the 8-year period; Males 271, Females 36)	52%	48%	Land transport (85%, n=261), Falls (9%, n=28), Sports/recreation (1%, n=3) and Violence (5%, n=14).
	Turkey	Karacan <sup>82</sup>	1992	12.7 (n=581; Males, n=415, Females, n=166)	32%	68%	Land transport (49%, n=284), Falls (37%, n=212), Sports/recreation (1%, n=7), Violence (5% n=30) and Other/unknown (8%, n=48).
	Turkey	Dincer <sup>83</sup>	1974-1985	n/r (n=1,694; Males, n=1,282, Females, n=412)	92%	8%	Land transport (35%, n=600), Falls (30%, n=500), Violence (24%, n=406) and Other/unknown (13%, n=188).
	Turkey (SE Anatolia)	Gul <sup>84</sup>	1990-1999	12.06 (Average incidence) (n=539; Males, n=416, Females, n=123)	28%	72%	Land transport (37%, n=200), Falls (32%, n=172), Violence (23%, n=115), Self-harm (3% n=15) and Other/unknown (5%, n=27).
	Turkey (Rural areas)	Karamehmetoglu <sup>85</sup>	1994	16.9 (n=75; Males, n=64, Females, n=11)	41%	59%	Land transport (25%, n=19), Falls (37%, n=28), Violence (31%, n=23) and Other/unknown (7%, n=5).
	Turkey (Istanbul)	Karamehmetoglu <sup>86</sup>	1992	21.1 (n=152; Males, n=114, Females, n=38)	33%	67%	Land transport (41%, n=62), Falls (43%, n=65), Violence (7%, n=11) and Other/unknown (5%, n=14).
<b>North America, High Income</b>	Canada	Farry <sup>87</sup>	2010	52.3 Extrapolated (n=1,785; Males, n=1,284, Females, n=501)	n/r	n/r	n/r
	Canada	Rick Hansen SCI Register <sup>88</sup>	2001-2002	35 (n=1,050; Males, n=840, Females, n=210)	50%	50%	Land transport (47%, n=494), Falls (17%, n=179), Sports/recreation (7%, n=74) and Other/unknown (29%, n=303).
	Canada (Ontario)	Furlan <sup>89</sup>	2007	38 (n=487; Males, n=408, Females, n=79)	70%	30%	Land transport (49%, n=240), Falls (20%, n=95) and Other/unknown (31%, n=152).
	Canada (Ontario)	Couris <sup>90</sup>	2003-2007	24 Average age-standardization [Ages 18 years and older] (n=936; Males, n=694, Females, n=242)	66%	34%	Land transport (25%, n=229), Falls (50%, n=463), Other/unknown (25%, n=229).



Canada (Southwest Ontario)	Pickett <sup>91</sup>	1997-2001	42.4 age-adjusted rates (15-64 years) and 51.4 age-adjusted rates (65 years and older) ( n=151; Males, n=112, Females, n=39)	75%	25%	Land transport (35%, n=53), Falls (31%, n=47), Sports/recreation (9%, n=14), Work-related (7%, n=10), Violence (5%, n=7), Self-harm (1%, n=2) and Other/unknown (11%, n=18).
Canada (Alberta)	Dryden <sup>92</sup>	1997–2000	52.5 (n=450; Males, n=322, Feales. n=128)	52%	48%	Land transport (56%, n=254), Falls (19%, n=86), Sports/recreation (11%, n=51), Violence (10%, n=44) and Other/unknown (4%, n=15).
Canada (Ontario)	Pickett <sup>93</sup>	1994–1999	From 37.2–46.2age standardised rates (n=2,385; Males, n=1,632, Females, n=753)	n/r	n/r	Land transport (43%, n=1,021), Falls (43%, n=1,030), Violence (2%, n=52), Self-harm (1%, n=34) and Other/unknown (11%, n=248).
Canada (Manitoba)	Hu <sup>94</sup>	1981-1984	290 (n=944; Males, n=570, Females, n=374)	33%	67%	n/r
Canada (Toronto)	Tator <sup>95</sup>	1974-1981	3.6 (n=201; Males, n=160, Females, n=41)	63%	37%	Land transport (41%, n=82), Falls (12%, n=24), Sports/recreation (23%, n=46), Work-related (14%, n=28) and Other/unknown (10%, n=21).
Canada (Toronto)	Tator <sup>95</sup>	1947-1973	2.3 (n=351; Males, n=287, Females, n=64)	57%	43%	Land transport (34%, n=119), Falls (10%, n=35), Sports/recreation (15%, n=54), Work-related (30% n=105) and Other/unknown (11%, n=38).
USA	NSCISC <sup>96</sup>	2005	40 (n=11,000 approx.; Males, n=8,756, Females, n=2,244)	53%	47%	Land transport (48%, n=5,280), Falls (23%, n=2,530), Sports/recreation (9%, n=990), Violence (14%, n=1,540) and Other/unknown (6%, n=660).
USA	Jackson <sup>97</sup>	1973-2003	40 (n=30,532; Males, n=24,426, Females, n=6,106)	54%	46%	Land transport (46%, n=13,923), Falls (20%, n=5,984), Sports/recreation (11%, n=3,267), Violence (18%, n=5,435) and Other/unknown (5%, n=1,923).
USA	Nobunaga <sup>98</sup>	1973-1998	n/r (n=25,054; Males, n=20,419, Females, n=4,635)	54%	46%	Land transport (43%, n=10,773), Falls (19%, n=4,710), Sports/recreation (11%, n=2781), Violence (19%, n=4,735) and Other/unknown (8%, n=2,055).
USA	Vitale <sup>99</sup>	1997, 2000	19.9 (Paediatric SCI, ages 0-18 years; n=2,909; Males, n=2,088, Females, n=821)	n/r	n/r	Land transport (56%, n=1,629), Falls (14%, n=407), Sports/recreation (8%, n=233), Violence (9%, n=262) and Other/unknown (13%, n=378).
USA	Lasfargues <sup>100</sup>	1994	38 (n=11,500 estimated; Males, n=8,015, Females, n=3,485)	n/r	n/r	n/r
USA	Ditunno <sup>101</sup>	1993	38.8 (Estimated); Males 82%, Females 18%	n/r	n/r	Land transport (45%), Falls (22%), Sports/recreation (13%), Violence (16%) and

							Other/unknown (4%).
USA	Harvey <sup>102</sup>	1988	n/r (n=758; Males, n=538, Females, n=220)	44%	56%		Land transport (48%, n=364), Falls (17%, n=129), Sports/recreation (16%, n=121), Violence (5%, n=38) and Other/unknown (14%, n=106).
USA	Burney <sup>103</sup>	1982-1989	n/r (n=2,741; Males, n=2,165, Females, n=576)	55%	45%		Land transport (52%, n=1,439), Falls (20%, n=543), Violence (15%, n=400) and Other/unknown (13%, n=359).
USA	Samsa <sup>104</sup>	1940-1987	n/r (n=5,545; Male veterans)	38%	62%		Land transport (39%, n=2,163), Sports/recreation (13%, n=721), Violence (35%, n=1,941) and Other/unknown (13%, n=720).
USA	Stover <sup>105</sup>	1984	30.0 (n=10,000+; Males, n=8,000, Females, n=2,000)	52%	48%		Land transport (48%, n=4,800), Falls (21%, n=2,100), Sports/recreation (14%, n=1,400), Violence (15%, n=1,500) and Other/unknown (2%, n=200).
USA	Kalsbeek <sup>106</sup>	1974	50 (estimated n=10,000; Males, n=5,000, Females, n=5,000)	n/r	n/r		Land transport (33%, n=3,300), Falls (33%, n=3,300) and Other/unknown (34%, n=3,400).
USA	Bracken <sup>107</sup>	1970-1977	40.1 (8-year incidence)	n/r	n/r		n/r
USA (Dade County)	Calancie <sup>108</sup>	1997-2000	n/r (n=229; Males, n=175, Females, n=54)	62%	38%		Land transport (52%, n=118), Falls (20%, n=45), Sports/recreation (11%, n=26), Violence (11%, n=24) and Other/unknown (7%, n=16).
USA (Rhode Island )	Buechner <sup>109</sup>	1994-1998	56 (n=277; Males, n=185, Females, n=92)	n/r	n/r		Land transport (29%, n=80), Falls (39%, n=108), Assault (5%, n=14), Self-harm (1%, n=3) and Other/unknown (26%, n=72).
USA (Kentucky, Indiana)	Burke <sup>110</sup>	1993-1998	27.1 (n=161; Males, n=121, Females, n=40)	50%	50%		Land transport (55%, n=88), Falls (23%, n=37), Violence (14%, n=23) and Other/unknown (8%, n=13).
USA (Colorado)	Johnson <sup>111</sup>	1994	45.1-46.3 (n=165-169)	n/r	n/r		n/r
USA (Mississippi)	Surkin <sup>112</sup>	1992-1994	77 (n=395; Males, n=316, Females, n=79)	52%	48%		Land transport (58%, n=230), Falls (13%, n=51), Sport/recreation (4%, n=14), Violence (16%, n=62) and Other/unknown (9%, n=38).
USA (Alaska)	Warren <sup>113</sup>	1991-1993	83 (n=139; Males, n=116, Females, n=23)	39%	61%		Land transport (53%, n=73), Falls (22%, n=30), Violence (6%, n=8), Sport/recreation (6%, n=8) and Other/unknown (13%, n=20).
USA (Utah)	Thurman <sup>114</sup>	1989-1991	43 (47 cases per million, age adjusted to 1980 US pop; n=223, Males, n=169, Females, n=54)	57%	43%		Land transport (49%, n=110), Falls (21%, n=47), Sports/recreation (16%, n=35), Violence (5%, n=12) and Other/unknown (9%, n=19).
USA (Oklahoma)	Price <sup>115</sup>	1988-1990	40 (n=376; Males, n=300,	57%	43%		Land transport (50%, n=189), Falls (20%, n=75),

				Females, n=76)			Sports/recreation (13%, n=48), Violence (11%, n=42) and Other/unknown (6%, n=22).
	USA (Hawaii)	Goebert <sup>116</sup>	1987-1989	23.7 (Based on 1989 population of 1,245,600; n=59; Males, n=50, Females, n=9)	62%	38%	Land transport (38%, n=22), Falls (28%, n=17), Sports/recreation (19%, n=11) and Violence (15%, n=9).
	USA (New York)	MMWR <sup>117</sup>	1982-1988	43 (n=5,384)	n/r	n/r	n/r
	USA (Arkansas)	Acton <sup>118</sup>	1980-1989	28.5 (age-adjusted incidence; n=644; Males, n=518, Females, n=126)	44%	56%	Land transport (50%, n=319), Falls (13%, n=86), Sports/recreation (11%, n=73), Violence (11%, n=72) and Other/unknown (15%, n=94).
	USA (California)	Kraus <sup>119</sup>	1970-1971	53.4 (n=619; Males, n=457, Females, n=162)	38%	62%	Land transport (56%, n=347), Falls (20%, n=124), Sports/recreation (7%, n=43), Violence (12%, n=74) and Other/unknown (5%, n=31).
	USA (Olmsted County, Minnesota)	Griffin <sup>120</sup>	1935-1981	54.8 (age-standardised rate; n=154; Males, n=111, Females, n=43)	51% (1950-1981)	49% (1950-1981)	Land transport (69%, n=106), Falls (13%, n=20), Sport/recreation (8%, n=12), work-related (7%, n=11) and Violence (3%, n=5).
<b>Oceania</b>							
	Fiji Islands	Maharaj <sup>121</sup>	1985–1994	10.0 (n=75; Males, n=65, Females, n=10)	53%	47%	Land transport (25%, n=19), Falls (39%, n=29), Sports/recreation (28%, n=21) and Other/unknown (8%, n=6).
<b>Sub-Saharan Africa, Southern</b>							
	South African (Southern Transvaal)	Hart <sup>122</sup>	1988-1993	n/r (n=546; Males, n=437, Females, n=109)	25%	75%	Land transport (28%, n=152), Falls (3%, n=15), Violence (62%, n=341) and Other/unknown (7%, n=38).
	South Africa (Johannesburg)	Velmahos <sup>123</sup>	1988-1992	48.5 (Median, based on 1990 population of 2,554,726; n=551; Males, n=428, Females, n=123)	10%	90%	Land transport (30%, n=165), Violence (61%, n=336) and Other/unknown (9%, n=50).
	South Africa (Cape Province)	Key <sup>124</sup>	1963-1967	n/r (n=300; Males, n=270, Females, n=30)	45%	55%	Land transport (34%, n=120), Falls (12%, n=37), Sports/recreation (5%, n=16), Violence (25%, n=76) and Other/unknown (24%, n=51).
	Zimbabwe	Levy <sup>125</sup>	1988-1994	11.7 (Based on estimated population of 11.6 million; n=136; Males, n=121, Females, n=15)	51%	49%	Land transport (50%, n=68), Falls (17%, n=23), Violence (15%, n=20) and Other/unknown (18%, n=25).
<b>Sub-Saharan Africa, West</b>							

Nigeria (Ile-Ife)	Olasode <sup>126</sup>	Estimate: 2004-2006	n/r (n=71; Males, n=47, Females, n=24)	55%	18%	Land transport (89%, n=63), Violence (4%, n=3), Self-harm (1%, n=1) and Other/unknown (6%, n=5).
Nigeria (Lagos)	Obalum <sup>127</sup>	1992-2006	n/r (n=468; Males, n=328, Females, n=140)	30%	70%	Land transport (77%, n=362), Falls (9%, n=44), Sports/recreation (2%, n=8), Violence (11%, n=52) and Other/unknown (1%, n=2).
Nigeria (Enugu)	Nwadinigwe <sup>128</sup>	1996-2001	n/r (n=104; Males, n=88, Females, n=16)	67%	33%	Land transport (58%, n=60), Falls (24%, n=25), Violence (12%, n=120 and Other/unknown (6%, n=7).
Nigeria (Enugu)	Nwankwo <sup>129</sup>	1996-2000	n/r (n=74)	51%	49%	n/r
Nigeria (Ilorin)	Solagberu <sup>130</sup>	1995-1999	n/r (n=39; Males, n=36, Females, n=3)	46%	54%	Land transport (67%, n=26), Falls (23%, n=9) and Other/unknown (10%, n=4).
Nigeria (Plateau State)	Igun <sup>131</sup>	1984-1997	<i>5 cases per year</i> (n=68; Males, n=62, Females, n=6)	63%	37%	Land transport (57%, n=39), Falls (22%, n=15), Work-related (18%, n=12) and Violence (3%, n=2).
Nigeria (Zaria)	Iwegbu <sup>132</sup>	1973-1982	n/r (n=48; Males, n=42, Females, n=6)	16%	84%	Land transport (75%, n=36), Falls (8%, n=4) and Other/unknown (17%, n=6).
Sierra Leone	Gosselin <sup>133</sup>	2002-2004	3.4*** (n=24; Males, n=22, Females, n=2)	42%	58%	Land transport (50%, n=12), Fall (42%, n=10) and Other/unknown (8%, n=2).

\* n/r: Not reported

\*\* Figures in italics indicate 'Incidence per million population per year' was not available

\*\*\* Source/: Population Division of the Department of Economic and Social Affairs of the United Nations Secretariat, /World Population Prospects: The 2008 Revision/, <http://esa.un.org/unpp>

\*\*\*\* Source: [http://en.wikipedia.org/wiki/São\\_Paulo#Population\\_growth](http://en.wikipedia.org/wiki/São_Paulo#Population_growth)

\*\*\*\*\* Estimated incidence based on 1986-2007 case counts (3,289) and 2007 Brazilian population of 190,010,647.

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