

Caption: Overall annual directly age-standardized and age-sex-standardized hip fracture rates (per 10,000 population) by sex and geographic area.

Region, Country [reference]	Study Period	Age-Standardized Rates		Age-, Sex- Standardized Rates	
		Women	Men		
North America					
New York City, US [18]	1988-2002 (Asians)	12.3	7.3	10.2	
	1988-2002 (Blacks)	9.9	8.5	9.4	
	1988-2002 (Hispanics)	10.0	6.3	8.6	
	1988-2002 (Whites)	33.3	16.9	26.5	
Ontario, CA [19]	1981-1992	33.3	18.3	27.3	
Quebec, CA [20]	1981	25.2	13.7	20.5	
	1982	25.0	14.3	20.7	
	1983	26.8	14.7	21.9	
	1984	25.7	14.4	21.1	
	1985	25.9	14.9	21.4	
	1986	24.6	14.3	20.4	
	1987	25.9	14.5	21.3	
	1988	26.8	15.6	22.3	
	1989	25.4	15.2	21.3	
	1990	26.5	13.9	21.4	
	1991	24.8	14.6	20.7	
	1992	25.0	14.2	20.5	
Oahu, Hawaii, US [21]	1991-1995 (All races)	14.5	8.3	12.0	
	1991-1995 (Caucasians)	12.1	8.0	10.3	
	1991-1995 (Japanese-Americans)	14.0	8.4	11.9	
Latin America					
La Plata, AR [22]	1989-1990	34.1	11.7	25.3	
Sobral, BR [23]	1996-2000	11.5	5.4	9.0	
Mexico City, MX [24]	2000	16.3	10.1	13.8	
Rosario, Santa Fe, AR [25]	2001-2002	33.5	13.2	25.6	
Porto Alegre, BR [26]	1990-1992 (high estimate)	23.1	11.9	18.6	
	1990-1992 (low estimate)	14.3	7.3	11.5	
Europe (excluding Scandinavia)					
Budapest, HU [26]	1992	22.7	19.1	21.3	
Northern Ireland, UK [27]	1985	28.3	13.6	22.0	
	1991	30.2	13.5	23.3	
	1994	31.6	14.6	24.5	
	1997	32.3	16.5	26.1	
Cantabria, ES [28]	1988	15.8	9.1	13.2	
	2002	18.3	8.2	14.7	
Germany [29]	1995	28.8	16.2	23.8	
	1996	30.1	17.4	25.1	
	1997	29.1	16.8	24.2	
	1998	29.4	17.0	24.5	
	1999	29.3	17.1	24.5	
	2000	28.1	16.3	23.5	
	2001	28.7	16.6	24.0	
	2002	30.3	17.9	25.5	
	2003	30.5	19.0	26.1	
	2004	29.4	17.9	24.9	
Vaud, CH [30]	1986	32.2	13.9	24.6	
	1987	32.4	16.6	26.1	
	1988	34.8	14.4	26.5	
	1989	34.2	17.8	27.6	
	1990	31.3	18.7	26.3	
	1991	33.4	16.5	26.7	
	1995	35.7	22.7	30.6	
Austria [31]	1994	38.8	24.0	33.2	
	Austria [32]	1995	40.3	25.5	34.7
		1996	42.1	25.4	35.6
		1997	42.9	26.5	36.7
		1998	42.5	25.6	36.0
		1999	43.7	26.0	36.9

Region, Country [reference]	Study Period	Age-Standardized Rates		Age-, Sex- Standardized Rates
		Women	Men	
	2000	42.3	26.5	36.2
	2001	43.8	26.8	37.3
	2002	43.3	26.7	37.0
	2003	44.4	27.9	38.0
	2004	43.0	27.9	37.2
	2005	44.2	29.4	38.5
	2006	43.2	30.1	38.1
Greece [33]	1992	31.6	17.7	25.8
Former East Germany [34]	1996	20.9	11.2	17.2
Former West Germany [34]	1996	23.6	13.5	19.7
Scandinavia				
Reykjavik, Iceland [26]	1990-1992	50.4	24.6	39.2
Østfold, Norway [35]	1998-2003	47.0	29.4	39.6
South and southern North Trøndelag, NO [36]	1992-1993 1997-1998	49.4 47.0	26.0 29.4	39.2 39.5
Viborg County, DK [37]	1978	20.3	7.7	15.1
	1987	26.9	11.0	20.3
	1988	25.1	13.8	20.4
	1989	24.2	12.2	19.3
	1990	35.8	18.6	28.3
	1991	34.4	15.4	26.3
	1992	34.3	18.2	27.6
	1993	26.3	17.0	22.4
	1994	31.9	13.8	24.5
	1995	36.6	16.3	28.1
	1996	38.2	18.0	29.6
	1997	37.0	22.6	30.9
Östergötland, SE [38]	1982-1996	44.0	26.3	36.9
Oslo, NO [39]	1996-1997	56.4	35.0	47.7
Central Finland, FI [40]	2002-2003	27.8	22.3	25.9
Funen County, DK [41]	1996-1999	44.6	29.0	38.1
	2000-2003	41.0	22.2	33.1
Malmö, SE [42]	1992-1995	43.1	28.4	37.1
Africa				
Rabat, MA [43]	2002	5.9	5.2	5.6
Cameroon [44]	1996-1998	1.3	1.0	1.2
Asia				
Beijing, CN [26]	1990-1992	7.7	8.4	8.0
Hong Kong [26]	1991	29.9	19.3	25.7
Riyadh, SA [45]	1990-1991	12.7	8.3	10.8
Beirut, LB [46]	1996	2.1	1.6	1.9
Tottori Prefecture, JP [47]	1998	19.9	8.6	15.3
	1999	20.3	9.4	16.2
	2000	20.4	10.6	16.6
	2001	20.5	10.4	16.6
Kaohsiung City, TW [48]	1996	32.7	18.6	27.0
Niiigata Prefecture, JP [49]	1994	14.5	8.3	12.1
Nagasaki Prefecture, JP [50]	1989	20.3	8.3	15.5
	1990	20.7	8.2	15.7
Singapore [51]	1991	26.9	14.3	21.7
	1992	27.2	14.6	22.0
	1993	28.9	13.3	22.4
	1994	29.2	14.1	22.9
	1995	30.0	13.6	23.2
	1996	30.4	14.0	23.7
	1997	28.8	15.3	23.2
	1998	28.4	14.7	22.8
	1991-1998 (Chinese)	30.6	15.6	24.2
	1991-1998 (Indian)	27.4	12.1	20.8
	1991-1998 (Malay)	19.9	6.6	14.1
Chiang Mai, TH [52]	1997-1998	18.9	9.9	14.9
Hong Kong [52]	1997-1998	28.3	16.4	23.6
Malaysia [52]	1997-1998	14.5	7.7	11.7
Singapore [52]	1997-1998	28.8	14.3	22.8
Korea [53]	2001	24.4	20.3	22.8
	2002	24.4	18.7	22.2

Region, Country [reference]	Study Period	Age-Standardized Rates		Age-, Sex- Standardized Rates
		Women	Men	
	2003	24.2	18.5	21.9
	2004	24.4	18.3	22.0
Capital, Hawali & Farwania, KW [54]	1992-1995 (Kuwaitis)	21.3	19.1	20.4
	1992-1995 (Non-Kuwaitis)	26.7	20.2	23.8
Iran [55]	2003	10.4	8.5	9.6
Japan [56]	1997	22.5	10.1	17.5
Gwangju City & Chonnam, KR [57]	1991	3.1	4.7	3.8
	2001	13.0	13.2	13.2
South Sharqiya, OM [58]	2002-2007	29.8	25.5	27.7
Shiraz, IR [59]	2000-2003	36.9	30.3	33.7
Shenyang, CN [60]	1994	7.4	9.4	8.2
Tangshan, CN [61]	1994	6.5	6.7	6.7
Australia				
New South Wales, AU [62]	1990-1991	28.1	16.3	23.4
	1991-1992	29.2	15.8	23.8
	1992-1993	28.6	14.9	23.1
	1993-1994	27.5	16.4	23.1
	1994-1995	26.8	14.9	22.1
	1995-1996	26.0	14.7	21.6
	1996-1997	26.6	15.1	22.0
	1997-1998	27.1	15.8	22.6
	1998-1999	27.8	15.5	22.9
	1999-2000	26.8	16.3	22.7
	Southern Victoria, AU [63]	1994-1996	28.4	16.1