

Caption: Annual age-sex-specific hip fracture rates (per 10,000 population) by sex, age group and geographic area.

| Region, Country [reference] | Study Period | Age group (years) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|------------------------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|--|-----|--|------|-------|-------|------|--|------|-------|------|--|-------|--|-----|--|------|--|------|--|------|--|------|--|-------|--|-------|--|--|--|
| | | Women | | | | | | | | | | Men | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85-89 | 90-94 | ≥95 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85-89 | 90-94 | ≥95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| North America | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| New York City, US [18] | 1988-2002 ^a | 1.2 | | | | | 5.2 | | | | | 22.8 | | | | | 88.2 | | | | | 1.0 | | 2.7 | | 11.6 | | 56.3 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1988-2002 ^b | 1.4 | | | | | 5.1 | | | | | 17.1 | | | | | 67.8 | | | | | 2.8 | | 5.3 | | 14.0 | | 45.2 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1988-2002 ^c | 1.0 | | | | | 4.3 | | | | | 17.6 | | | | | 74.9 | | | | | 1.4 | | 3.0 | | 10.4 | | 42.6 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1988-2002 ^d | 4.6 | | | | | 17.1 | | | | | 61.3 | | | | | 219.6 | | | | | 3.5 | | 9.0 | | 28.1 | | 110.2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Quebec, CA [20] | 1981 | 5.7 | | | | | 23.2 | | | | | 67.2 | | | | | 123.6 | | | | | 220.1 | | | | | 3.3 | | 12.3 | | 38.9 | | 60.8 | | 121.3 | | | | | | | | | | | | | | | | | |
| | 1982 | 5.3 | | | | | 20.7 | | | | | 67.9 | | | | | 129.8 | | | | | 229.4 | | | | | 4.1 | | 12.8 | | 33.7 | | 61.8 | | 132.5 | | | | | | | | | | | | | | | | | |
| | 1983 | 5.8 | | | | | 21.8 | | | | | 70.0 | | | | | 132.3 | | | | | 264.7 | | | | | 4.0 | | 13.4 | | 34.9 | | 71.3 | | 127.0 | | | | | | | | | | | | | | | | | |
| | 1984 | 5.5 | | | | | 22.2 | | | | | 66.3 | | | | | 129.8 | | | | | 242.8 | | | | | 3.9 | | 12.4 | | 31.5 | | 67.9 | | 141.7 | | | | | | | | | | | | | | | | | |
| | 1985 | 5.4 | | | | | 23.1 | | | | | 66.3 | | | | | 129.1 | | | | | 246.3 | | | | | 3.3 | | 13.1 | | 32.1 | | 77.8 | | 149.3 | | | | | | | | | | | | | | | | | |
| | 1986 | 5.5 | | | | | 22.4 | | | | | 59.5 | | | | | 119.6 | | | | | 235.8 | | | | | 3.8 | | 12.9 | | 34.9 | | 65.5 | | 128.3 | | | | | | | | | | | | | | | | | |
| | 1987 | 5.9 | | | | | 21.5 | | | | | 64.9 | | | | | 131.3 | | | | | 248.8 | | | | | 3.7 | | 13.6 | | 37.0 | | 68.2 | | 123.7 | | | | | | | | | | | | | | | | | |
| | 1988 | 5.2 | | | | | 23.7 | | | | | 68.2 | | | | | 134.3 | | | | | 264.6 | | | | | 3.7 | | 14.5 | | 34.3 | | 74.4 | | 154.2 | | | | | | | | | | | | | | | | | |
| | 1989 | 5.5 | | | | | 23.8 | | | | | 65.5 | | | | | 118.2 | | | | | 237.1 | | | | | 4.4 | | 14.0 | | 34.8 | | 69.1 | | 134.5 | | | | | | | | | | | | | | | | | |
| | 1990 | 5.2 | | | | | 23.3 | | | | | 71.4 | | | | | 131.1 | | | | | 253.5 | | | | | 4.3 | | 10.8 | | 33.7 | | 58.9 | | 135.5 | | | | | | | | | | | | | | | | | |
| | 1991 | 5.3 | | | | | 20.3 | | | | | 66.1 | | | | | 125.8 | | | | | 239.0 | | | | | 4.0 | | 11.2 | | 34.1 | | 66.7 | | 150.3 | | | | | | | | | | | | | | | | | |
| | 1992 | 4.9 | | | | | 22.7 | | | | | 64.5 | | | | | 124.1 | | | | | 238.9 | | | | | 3.3 | | 12.0 | | 34.1 | | 68.6 | | 140.8 | | | | | | | | | | | | | | | | | |
| Oahu, Hawaii, US[21] | 1991-1995 ^e | 1.5 | 1.6 | 4.5 | 7.8 | 18.1 | 39.2 | 76.5 | 146.5 | | | | | 1.2 | 1.8 | 2.9 | 4.3 | 10.1 | 22.4 | 39.0 | 81.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1991-1995 ^f | 2.3 | 0.9 | 6.1 | 8.4 | 17.9 | 35.6 | 55.4 | 88.2 | | | | | 0.6 | 1.6 | 3.5 | 5.5 | 9.4 | 18.0 | 43.9 | 76.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1991-1995 ^g | 0.3 | 1.2 | 1.6 | 5.8 | 17.4 | 41.4 | 82.8 | 157.5 | | | | | 2.3 | 0.4 | 1.4 | 3.0 | 8.4 | 27.7 | 44.1 | 85.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ontario, CA [19] | 1981-1992 | 3.0 | 7.0 | 11.0 | 21.0 | 41.0 | 85.0 | 169.0 | 291.0 | 401.0 | 3.0 | 5.0 | 7.0 | 12.0 | 22.0 | 42.0 | 81.0 | 149.0 | 250.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Latin America | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| La Plata, AR [22] | 1989-1990 | 1.1 | | | | | 10.3 | | | | | 62.1 | | | | | 280.7 | | | | | 2.8 | | 4.1 | | 20.8 | | 79.6 | | | | | | | | | | | | | | | | | | | | | | | | |
| Sobral, BR [23] | 1996-2000 | 1.7 | | | | | 7.4 | | | | | 24.0 | | | | | 62.0 | | | | | 1.4 | | 4.7 | | 10.1 | | 22.7 | | | | | | | | | | | | | | | | | | | | | | | | |
| Mexico City, MX [24] | 2000 | 2.0 | | | | | 7.6 | | | | | 29.5 | | | | | 113.7 | | | | | 2.0 | | 5.2 | | 16.2 | | 68.8 | | | | | | | | | | | | | | | | | | | | | | | | |
| Rosario, Santa Fe, AR [25] | 2001-2002 | 1.5 | | | | | 9.7 | | | | | 52.7 | | | | | 295.4 | | | | | 1.5 | | 6.2 | | 28.6 | | 80.7 | | | | | | | | | | | | | | | | | | | | | | | | |
| Porto Alegre, BR [26] | 1990-1992 ^h | 3.5 | | | | | 8.4 | | | | | 53.1 | | | | | 126.3 | | | | | 225.2 | | | | | 2.6 | | 10.6 | | 15.9 | | 61.8 | | 114.4 | | | | | | | | | | | | | | | | | |
| | 1990-1992 ⁱ | 2.1 | | | | | 5.2 | | | | | 32.8 | | | | | 78.0 | | | | | 139.0 | | | | | 1.6 | | 6.6 | | 9.8 | | 38.2 | | 70.6 | | | | | | | | | | | | | | | | | |
| Europe (excluding Scandinavia) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Greece [33] | 1992 | 5.5 | | | | | 17.4 | | | | | 65.0 | | | | | 179.8 | | | | | 4.3 | | 9.0 | | 32.6 | | 105.1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Austria [32] | 1994 | 5.9 | | | | | 12.3 | | | | | 24.5 | | | | | 51.0 | | | | | 94.0 | | | | | 174.6 | | | | | 412.3 | | | | | 8.8 | | 11.0 | | 18.2 | | 28.0 | | 49.9 | | 83.8 | | 209.0 | | | |
| | 1995 | 6.1 | | | | | 12.8 | | | | | 24.7 | | | | | 51.1 | | | | | 109.5 | | | | | 170.1 | | | | | 425.0 | | | | | 8.5 | | 13.4 | | 20.8 | | 30.3 | | 53.3 | | 86.6 | | 219.4 | | | |
| | 1996 | 7.0 | | | | | 13.8 | | | | | 26.1 | | | | | 52.1 | | | | | 117.0 | | | | | 181.0 | | | | | 422.7 | | | | | 9.1 | | 12.5 | | 17.4 | | 29.6 | | 55.9 | | 87.8 | | 220.8 | | | |
| | 1997 | 6.9 | | | | | 12.5 | | | | | 25.2 | | | | | 50.1 | | | | | 120.0 | | | | | 193.1 | | | | | 447.2 | | | | | 8.7 | | 12.2 | | 19.6 | | 32.3 | | 67.4 | | 81.3 | | 225.8 | | | |
| | 1998 | 5.9 | | | | | 14.2 | | | | | 23.1 | | | | | 49.1 | | | | | 125.6 | | | | | 180.9 | | | | | 457.4 | | | | | 7.3 | | 13.2 | | 16.7 | | 31.1 | | 60.3 | | 87.9 | | 240.0 | | | |
| | 1999 | 6.1 | | | | | 14.8 | | | | | 25.2 | | | | | 53.3 | | | | | 116.4 | | | | | 215.4 | | | | | 439.9 | | | | | 7.3 | | 15.3 | | 19.1 | | 27.8 | | 57.7 | | 102.3 | | 226.1 | | | |
| | 2000 | 6.3 | | | | | 14.1 | | | | | 22.1 | | | | | 46.6 | | | | | 108.8 | | | | | 236.8 | | | | | 414.9 | | | | | 8.3 | | 14.0 | | 14.3 | | 34.0 | | 54.5 | | 115.1 | | 224.7 | | | |
| | 2001 | 6.0 | | | | | 13.9 | | | | | 25.3 | | | | | 51.8 | | | | | 100.3 | | | | | 259.7 | | | | | 431.1 | | | | | 7.9 | | 13.1 | | 16.0 | | 29.6 | | 59.7 | | 116.8 | | 242.2 | | | |
| | 2002 | 6.6 | | | | | 13.6 | | | | | 20.5 | | | | | 51.3 | | | | | 102.3 | | | | | 258.0 | | | | | 426.4 | | | | | 7.8 | | 12.8 | | 16.1 | | 31.1 | | 57.6 | | 125.6 | | 225.9 | | | |
| | 2003 | 6.0 | | | | | 14.5 | | | | | 27.8 | | | | | 52.4 | | | | | 107.9 | | | | | 241.4 | | | | | 442.2 | | | | | 7.5 | | 12.7 | | 20.3 | | 30.0 | | 59.3 | | 124.2 | | 256.2 | | | |
| | 2004 | 6.4 | | | | | 12.3 | | | | | 26.5 | | | | | 50.3 | | | | | 100.4 | | | | | 214.6 | | | | | 470.2 | | | | | 7.3 | | 10.7 | | 22.0 | | 33.7 | | 56.6 | | 111.6 | | 275.7 | | | |

| Region, Country [reference] | Study Period | Age group (years) | | | | | | | | | | | | | | | | | | | |
|--------------------------------|--------------------------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Women | | | | | | | | | | Men | | | | | | | | | |
| | | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85-89 | 90-94 | ≥95 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85-89 | 90-94 | ≥95 |
| Cantabria, ES [28] | 2005 | 6.9 | | 12.6 | 27.3 | 50.8 | 112.8 | 207.6 | 478.1 | | | | | | | | | | | | |
| | 2006 | 6.5 | | 15.4 | 26.9 | 52.8 | 103.6 | 202.9 | 460.0 | | | | | | | | | | | | |
| | 1988 | 0.8 | 1.9 | 1.2 | 3.5 | 15.4 | 40.0 | 111.2 | 194.8 | | | | | | | | | | | | |
| | 2002 | 1.1 | 2.1 | 1.7 | 4.6 | 16.1 | 45.1 | 116.3 | 249.8 | | | | | | | | | | | | |
| Germany [29] | 1995 | 4.6 | | 9.9 | 19.4 | 39.7 | 67.8 | 144.9 | 230.3 | 332.2 | | | | | | | | | | | |
| | 1996 | 4.8 | | 9.9 | 20.1 | 41.5 | 69.6 | 157.1 | 242.9 | 346.4 | | | | | | | | | | | |
| | 1997 | 4.4 | | 9.1 | 19.1 | 38.4 | 67.7 | 160.9 | 231.9 | 334.1 | | | | | | | | | | | |
| | 1998 | 4.3 | | 8.6 | 18.8 | 38.0 | 72.2 | 160.7 | 240.7 | 343.1 | | | | | | | | | | | |
| | 1999 | 4.2 | | 8.7 | 17.7 | 37.9 | 79.6 | 148.1 | 245.5 | 340.0 | | | | | | | | | | | |
| | 2000 | 4.3 | | 8.3 | 16.9 | 36.4 | 78.5 | 128.5 | 251.9 | 330.8 | | | | | | | | | | | |
| | 2001 | 4.1 | | 8.0 | 16.6 | 36.2 | 80.1 | 131.4 | 273.4 | 344.7 | | | | | | | | | | | |
| | 2002 | 4.5 | | 8.8 | 16.7 | 39.3 | 82.0 | 142.6 | 290.4 | 355.0 | | | | | | | | | | | |
| | 2003 | 4.6 | | 9.0 | 16.2 | 37.7 | 81.4 | 151.1 | 292.8 | 356.2 | | | | | | | | | | | |
| | 2004 | 4.5 | | 9.5 | 15.5 | 35.1 | 76.5 | 155.6 | 254.4 | 355.2 | | | | | | | | | | | |
| Budapest, HU [26] | 1992 | 3.9 | 4.6 | 8.4 | 19.3 | 28.8 | 56.5 | 110.1 | 165.3 | 221.7 | | | | | | | | | | | |
| Northern Ireland, UK [27] | 1985 | 5.5 | | 9.7 | 10.1 | 16.8 | 38.2 | 74.1 | 124.7 | 217.5 | 262.3 | | | | | | | | | | |
| | 1991 | 4.3 | | 8.8 | 9.7 | 18.5 | 38.7 | 83.3 | 141.9 | 227.8 | 329.2 | | | | | | | | | | |
| | 1994 | 3.0 | | 7.1 | 13.4 | 17.0 | 39.3 | 83.3 | 166.6 | 254.1 | 338.1 | | | | | | | | | | |
| | 1997 | 3.9 | | 4.7 | 8.0 | 19.6 | 41.4 | 91.2 | 152.7 | 260.7 | 471.4 | | | | | | | | | | |
| Vaud, CH [30] | 1986 | 5.5 | | 9.2 | 18.5 | 21.2 | 37.7 | 66.4 | 169.4 | 274.9 | 240.8 | | | | | | | | | | |
| | 1987 | 3.7 | | 15.0 | 16.0 | 15.9 | 52.6 | 63.8 | 137.3 | 255.2 | 353.5 | | | | | | | | | | |
| | 1988 | 6.2 | | 3.2 | 12.8 | 19.7 | 47.3 | 91.8 | 194.2 | 259.7 | 362.6 | | | | | | | | | | |
| | 1989 | 4.3 | | 7.1 | 15.6 | 19.0 | 51.4 | 77.6 | 181.2 | 262.9 | 347.5 | | | | | | | | | | |
| | 1990 | 3.0 | | 5.7 | 17.6 | 26.9 | 29.1 | 69.1 | 155.4 | 239.9 | 431.1 | | | | | | | | | | |
| | 1991 | 3.0 | | 9.5 | 9.5 | 16.5 | 49.4 | 85.2 | 188.7 | 257.7 | 324.4 | | | | | | | | | | |
| Former East Germany [34] | 1996 | 1.5 | | 3.8 | 6.7 | 14.2 | 27.2 | 57.4 | 95.6 | 163.5 | 300.7 | | | | | | | | | | |
| Former West Germany [34] | 1996 | 2.8 | | 4.2 | 7.8 | 13.5 | 29.2 | 65.4 | 117.2 | 202.5 | 282.1 | | | | | | | | | | |
| Austria [31] | 1995 | 6.7 | | 7.5 | 13.9 | 28.0 | 54.5 | 80.2 | 175.9 | 268.3 | 285.3 | 311.7 | | | | | | | | | |
| Scandinavia | | | | | | | | | | | | | | | | | | | | | |
| Viborg County, DK [37] | 1978 | 2.4 | | 16.0 | | 37.7 | | 88.5 | | 279.5 | | 1.6 | | 7.7 | | 8.1 | | 35.2 | | 129.9 | |
| | 1987 | 2.5 | | 21.2 | | 49.2 | | 134.2 | | 305.5 | | 1.7 | | 6.3 | | 19.7 | | 66.5 | | 90.4 | |
| | 1988 | 5.8 | | 7.7 | | 51.2 | | 138.1 | | 298.1 | | 2.6 | | 10.8 | | 16.1 | | 74.8 | | 229.9 | |
| | 1989 | 1.6 | | 8.6 | | 54.5 | | 153.5 | | 222.2 | | 2.6 | | 4.5 | | 25.0 | | 57.1 | | 195.0 | |
| | 1990 | 6.5 | | 19.9 | | 70.2 | | 201.2 | | 258.7 | | 2.6 | | 8.2 | | 32.8 | | 119.7 | | 219.8 | |
| | 1991 | 7.3 | | 21.8 | | 66.9 | | 154.5 | | 389.3 | | 1.7 | | 8.4 | | 25.2 | | 111.1 | | 104.7 | |
| | 1992 | 4.0 | | 16.7 | | 69.3 | | 198.0 | | 370.4 | | 3.3 | | 8.4 | | 27.9 | | 119.1 | | 227.8 | |
| | 1993 | 2.4 | | 14.2 | | 50.7 | | 165.6 | | 224.9 | | 4.8 | | 6.6 | | 29.4 | | 91.5 | | 235.0 | |
| | 1994 | 3.1 | | 16.1 | | 63.4 | | 180.7 | | 400.5 | | 2.3 | | 8.6 | | 19.2 | | 84.9 | | 182.3 | |
| | 1995 | 6.7 | | 17.1 | | 67.3 | | 215.9 | | 388.5 | | 4.5 | | 4.8 | | 27.0 | | 94.4 | | 255.1 | |
| | 1996 | 5.1 | | 21.8 | | 74.5 | | 211.9 | | 384.2 | | 2.1 | | 7.6 | | 28.4 | | 128.9 | | 222.8 | |
| | 1997 | 4.2 | | 19.0 | | 76.2 | | 197.5 | | 449.2 | | 3.4 | | 10.5 | | 37.5 | | 138.8 | | 321.8 | |
| | Central Finland, FI [40] | 2002-2003 | 1.8 | | 7.0 | | 52.3 | | 203.3 | | 371.5 | | 1.7 | | 12.5 | | 47.9 | | 103.4 | | 351.6 |
| Funen County, DK [41] | 1996-1999 | 5.2 | | 25.0 | | 83.9 | | 223.3 | | 366.8 | | 4.4 | | 14.5 | | 52.5 | | 127.6 | | 254.8 | |
| | 2000-2003 | 5.7 | | 20.5 | | 88.8 | | 174.0 | | 315.4 | | 5.3 | | 9.3 | | 38.6 | | 95.3 | | 285.7 | |
| Østfold, NO [35] | 1998-2003 | 3.9 | | 9.9 | | 13.7 | | 32.2 | | 68.5 | | 137.3 | | 236.6 | | 366.8 | | 396.3 | | 4.2 | |
| North and South | 1992-1993 | 7.2 | | 10.1 | | 31.0 | | 44.3 | | 68.2 | | 123.0 | | 205.0 | | 312.0 | | 461.0 | | 2.9 | |

| Region, Country [reference] | Study Period | Age group (years) | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|------------------------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|--|-----|--|--|-----|--|--|
| | | Women | | | | | | | | | | Men | | | | | | | | | | | | | | | | |
| | | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85-89 | 90-94 | ≥95 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85-89 | 90-94 | ≥95 | | | | | | | |
| Trøndelag, NO [36] | 1997-1998 | 3.6 | 8.0 | 15.0 | 35.0 | 67.8 | 138.0 | 233.0 | 345.0 | 446.0 | | | | | | | | | | | | | | | | | | |
| Östergötland, SE [38] | 1982-1996 | 4.6 | 8.6 | 16.4 | 25.5 | 52.8 | 114.9 | 221.7 | 382.9 | 530.8 | | | | | | | | | | | | | | | | | | |
| Oslo, NO [39] | 1996-1997 | 5.3 | 11.4 | 16.1 | 40.5 | 77.1 | 142.5 | 282.6 | 475.5 | 618.0 | | | | | | | | | | | | | | | | | | |
| Malmö, SE [42] | 1992-1995 | 3.8 | 11.0 | 19.0 | 24.0 | 52.0 | 115.0 | 216.0 | 339.0 | 503.0 | | | | | | | | | | | | | | | | | | |
| Reykjavik, IS [26] | 1990-1992 | 3.6 | 18.6 | 19.9 | 40.3 | 83.8 | 131.1 | 194.5 | 379.2 | 373.3 | 530.0 | | | | | | | | | | | | | | | | | |
| Africa | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cameroon [44] | 1996-1998 | 0.5 | | | 2.4 | | | | | | 0.4 | | | 2.1 | | | | | | | | | | | | | | |
| Rabat, MA [43] | 2002 | 0.7 | 1.3 | 7.5 | 2.3 | 8.5 | 21.5 | | | 1.4 | 1.0 | 2.8 | 4.5 | 13.2 | 15.7 | | | | | | | | | | | | | |
| Asia | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Riyadh, SA [45] | 1990-1991 | 1.5 | | | 7.9 | | | 39.4 | | | 2.2 | | | 3.6 | | | 25.1 | | | | | | | | | | | |
| South Sharqiya, OM [58] | 2002-2007 | 6.0 | | | 31.0 | | | 73.0 | | | 6.0 | | | 17.0 | | | 72.0 | | | | | | | | | | | |
| Singapore [51] | 1991-1998 ^j | 1.5 | 3.5 | 8.5 | 19.6 | 103.7 | | | 2.2 | | | 3.5 | | | 10.8 | | | | | | | | | | | | | |
| | 1991-1998 ^k | 2.1 | 5.1 | 10.7 | 17.4 | 88.2 | | | 2.8 | | | 6.7 | | | 9.0 | | | | | | | | | | | | | |
| | 1991-1998 ^l | 0.6 | 2.1 | 5.3 | 20.1 | 64.0 | | | 1.4 | | | 0.8 | | | 5.0 | | | | | | | | | | | | | |
| Tangshan, CN [61] | 1994 | 1.4 | 2.0 | 5.2 | 8.3 | 15.6 | | | 3.5 | | | 6.0 | | | 7.0 | | | | | | | | | | | | | |
| Singapore [51] | 1991 | 2.1 | 3.4 | 8.6 | 21.8 | 36.0 | 123.7 | | | 1.8 | | | 4.0 | | | 13.5 | | | | | | | | | | | | |
| | 1992 | 1.1 | 2.6 | 9.1 | 19.0 | 32.6 | 133.1 | | | 2.2 | | | 3.2 | | | 6.9 | | | | | | | | | | | | |
| | 1993 | 2.0 | 2.1 | 9.2 | 19.4 | 39.9 | 137.8 | | | 2.7 | | | 3.1 | | | 5.1 | | | | | | | | | | | | |
| | 1994 | 1.7 | 2.7 | 11.3 | 14.8 | 48.5 | 135.5 | | | 2.6 | | | 3.1 | | | 4.5 | | | | | | | | | | | | |
| | 1995 | 1.0 | 3.3 | 8.9 | 18.4 | 43.5 | 144.4 | | | 1.3 | | | 3.3 | | | 5.2 | | | | | | | | | | | | |
| | 1996 | 1.3 | 5.5 | 6.3 | 17.2 | 44.3 | 147.3 | | | 2.8 | | | 4.3 | | | 4.9 | | | | | | | | | | | | |
| | 1997 | 1.1 | 3.7 | 6.6 | 21.3 | 42.4 | 135.6 | | | 1.7 | | | 3.3 | | | 5.1 | | | | | | | | | | | | |
| | 1998 | 1.2 | 3.4 | 5.4 | 23.8 | 38.4 | 135.3 | | | 2.6 | | | 3.2 | | | 5.0 | | | | | | | | | | | | |
| Malaysia [52] | 1997-1998 | 0.9 | 2.7 | 4.8 | 10.3 | 23.0 | 64.4 | | | 1.4 | | | 2.0 | | | 3.8 | | | | | | | | | | | | |
| Singapore [52] | 1997-1998 | 1.4 | 3.4 | 8.1 | 19.5 | 40.8 | 136.9 | | | 2.2 | | | 3.5 | | | 4.9 | | | | | | | | | | | | |
| Capital, Hawali and Farwania, KW [54] | 1992-1995 ^m | 2.8 | | | 12.4 | | | 45.8 | | | 5.0 | | | 9.6 | | | 34.9 | | | | | | | | | | | |
| Gwangju City, Chonnam, KR [57] | 1991 | 0.9 | | | 2.2 | | | 6.6 | | | 1.6 | | | 6.1 | | | 47.9 | | | | | | | | | | | |
| Shenyang, CN [60] | 1994 | 1.9 | | | 9.0 | | | 28.6 | | | 2.1 | | | 3.5 | | | 6.7 | | | | | | | | | | | |
| Kaohsiung City, TW [48] | 1996 | 2.9 | | | 8.8 | | | 12.6 | | | 4.4 | | | 9.7 | | | 23.2 | | | | | | | | | | | |
| Iran [55] | 2003 | 3.1 | 5.5 | 11.5 | 17.7 | 63.3 | 103.4 | 179.1 | | | 3.9 | | | 7.9 | | | 17.4 | | | | | | | | | | | |
| Hong Kong [26] | 1991 | 1.7 | 1.4 | 6.0 | 7.6 | 19.3 | 24.4 | 56.5 | | | 4.1 | | | 4.3 | | | 11.2 | | | | | | | | | | | |
| Tottori Prefecture, JP [47] | 1998 | 2.8 | 4.9 | 7.5 | 19.4 | 43.9 | 82.4 | 158.8 | 257.3 | | | 3.3 | | | 3.4 | | | 3.7 | | | | | | | | | | |
| Niigata Prefecture, JP [49] | 1999 | 1.4 | 2.6 | 7.2 | 17.2 | 24.4 | 46.8 | 101.6 | 193.3 | | | 3.1 | | | 3.8 | | | 9.3 | | | | | | | | | | |
| Nagasaki Prefecture, JP [50] | 2000 | 1.4 | 7.6 | 2.5 | 9.9 | 16.6 | 43.5 | 133.7 | 222.5 | | | 1.4 | | | 3.4 | | | 2.8 | | | | | | | | | | |
| Chiang Mai, TH [52] | 2001 | 0.8 | 1.5 | 7.2 | 10.9 | 26.8 | 56.6 | 108.8 | 210.9 | | | 0.4 | | | 3.3 | | | 5.8 | | | | | | | | | | |
| Hong Kong [52] | 2001 | 0.8 | 2.8 | 5.2 | 12.9 | 31.8 | 55.4 | 102.1 | 200.0 | | | 2.4 | | | 2.2 | | | 4.1 | | | | | | | | | | |
| Shiraz, IR [59] | 1994 | 1.2 | 2.0 | 4.5 | 7.7 | 19.6 | 39.4 | 79.2 | 137.4 | | | 3.4 | | | 6.3 | | | 4.7 | | | | | | | | | | |
| Beirut, LB [46] | 1996 | 1.2 | 2.9 | 4.6 | 11.2 | 28.7 | 53.6 | 122.0 | 186.4 | | | 1.8 | | | 2.6 | | | 3.0 | | | | | | | | | | |
| | 1990 | 1.7 | 1.3 | 6.4 | 10.3 | 30.5 | 58.0 | 104.4 | 212.9 | | | 1.3 | | | 2.5 | | | 3.2 | | | | | | | | | | |
| | 1997-1998 | 1.0 | 5.9 | 8.9 | 14.8 | 36.1 | 65.7 | 89.8 | 60.5 | | | 1.1 | | | 1.5 | | | 2.5 | | | | | | | | | | |
| | 1997-1998 | 1.3 | 3.5 | 6.4 | 17.4 | 35.9 | 82.0 | 140.5 | 301.2 | | | 2.7 | | | 3.6 | | | 3.5 | | | | | | | | | | |
| | 2000-2003 | 2.3 | 4.2 | 11.2 | 23.0 | 93.2 | 120.8 | 195.9 | 139.8 | | | 1.6 | | | 3.1 | | | 5.3 | | | | | | | | | | |
| | 1996 | 0.7 | 2.7 | 3.8 | 4.3 | 2.2 | | | | 2.8 | | | 2.4 | | | 15.9 | | | | | | | | | | | | |
| | | 0.7 | | | 2.7 | | | 3.8 | | | 4.3 | | | 2.2 | | | 1.2 | | | 0.7 | | | 3.2 | | | 1.2 | | |

| Region, Country [reference] | Study Period | Age group (years) | | | | | | | | | | | | | | | | | | |
|--------------------------------|--------------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Women | | | | | | | | | | Men | | | | | | | | |
| | | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85-89 | 90-94 | ≥95 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85-89 | 90-94 |
| Korea [53] | 2001 | 4.8 | | 16.2 | | 52.1 | | 113.2 | | 160.6 | | 7.2 | | 15.0 | | 37.5 | | 75.8 | | 155.3 |
| | 2002 | 4.2 | | 15.6 | | 51.8 | | 119.4 | | 166.4 | | 6.3 | | 14.6 | | 34.5 | | 72.2 | | 118.3 |
| | 2003 | 3.8 | | 16.1 | | 50.4 | | 122.0 | | 161.6 | | 5.7 | | 14.5 | | 34.0 | | 73.3 | | 128.5 |
| | 2004 | 3.8 | | 15.9 | | 51.0 | | 122.1 | | 175.1 | | 5.7 | | 14.8 | | 32.5 | | 73.3 | | 133.1 |
| Japan [56] | 1997 | 2.4 | | 9.1 | | 40.8 | | 147.8 | | 281.0 | | 2.0 | | 5.1 | | 17.3 | | 57.4 | | 128.9 |
| Beijing, CN [26] | 1990-1992 | 1.8 | 3.2 | 5.6 | 9.1 | 16.4 | 14.1 | 22.4 | 21.9 | 40.1 | 1.9 | 3.3 | 8.4 | 8.8 | 13.3 | 16.1 | 28.2 | 32.8 | 44.5 | |
| Australia | | | | | | | | | | | | | | | | | | | | |
| New South Wales, AU [62] | 1990-1991 | | | 3.8 | | 22.6 | | 96.4 | | 337.2 | | | | 3.2 | | 12.5 | | 47.8 | | 213.2 |
| | 1991-1992 | | | 4.7 | | 21.0 | | 102.1 | | 347.3 | | | | 2.9 | | 14.1 | | 43.4 | | 205.9 |
| | 1992-1993 | | | 3.5 | | 21.7 | | 101.0 | | 351.1 | | | | 2.7 | | 11.1 | | 44.2 | | 199.4 |
| | 1993-1994 | | | 3.2 | | 21.8 | | 96.3 | | 337.3 | | | | 3.1 | | 12.8 | | 50.2 | | 206.4 |
| | 1994-1995 | | | 3.0 | | 20.4 | | 94.8 | | 334.1 | | | | 2.7 | | 10.2 | | 46.3 | | 198.9 |
| | 1995-1996 | | | 3.0 | | 19.1 | | 94.8 | | 317.2 | | | | 2.7 | | 11.1 | | 47.8 | | 178.0 |
| | 1996-1997 | | | 2.6 | | 19.6 | | 94.8 | | 341.2 | | | | 2.6 | | 9.9 | | 48.6 | | 202.1 |
| | 1997-1998 | | | 3.2 | | 20.2 | | 95.3 | | 341.0 | | | | 2.5 | | 11.2 | | 52.6 | | 199.8 |
| | 1998-1999 | | | 3.5 | | 20.4 | | 96.1 | | 353.9 | | | | 2.8 | | 11.7 | | 47.9 | | 198.9 |
| | 1999-2000 | | | 3.4 | | 19.3 | | 91.4 | | 349.4 | | | | 2.8 | | 12.1 | | 50.6 | | 212.6 |
| Southern Victoria, AU [63] | 1994-1996 | 1.0 | 4.0 | 3.0 | 17.0 | 32.0 | 80.0 | 138.0 | 334.0 | 375.0 | 3.0 | 5.0 | 5.0 | 6.0 | 21.0 | 39.0 | 43.0 | 193.0 | 263.0 | |