

Table 4A.2.7: Trend in Hospital Discharges with Diagnosis of Osteoporosis or Osteoporotic Fracture¹ for Persons Age 50 and Over, United States 2010-2014

	Number of Discharges (in 000s)			
	Primary Dx [2]	Primary Dx w/ OP Dx [3]	Total (Primary + Secondary DX) [4]	Proportion of Total Discharges
2010				
Osteoporosis diagnosis			1,160.9	5.5%
Hip fracture [5]	286.5	61.4	313.0	1.5%
Spine fracture [6]	120.7	42.2	252.1	1.2%
Pelvic fracture [7]	48.1	11.9	79.6	0.4%
Femur (thigh) fracture [8]	35.4	8.7	44.8	0.2%
Wrist fracture [9]	20.1	3.1	45.9	0.2%
Humerus (arm) fracture [10]	51.0	8.7	81.2	0.4%
Total all OP fracture discharges	561.8	136.1	766.4	3.7%
2011				
Osteoporosis diagnosis			1,179.1	5.5%
Hip fracture [5]	299.8	63.6	325.2	1.5%
Spine fracture [6]	112.1	39.5	245.8	1.1%
Pelvic fracture [7]	47.7	12.0	76.8	0.4%
Femur (thigh) fracture [8]	36.7	9.8	45.4	0.2%
Wrist fracture [9]	20.4	3.3	45.1	0.2%
Humerus (arm) fracture [10]	50.7	8.7	79.8	0.4%
Total all OP fracture discharges	567.3	137.0	771.2	3.6%
2012				
Osteoporosis diagnosis			1,011.4	5.1%
Hip fracture [5]	281.3	57.3	304.6	1.5%
Spine fracture [6]	106.4	34.0	237.8	1.2%
Pelvic fracture [7]	42.8	10.4	71.6	0.4%
Femur (thigh) fracture [8]	33.4	7.8	42.0	0.2%
Wrist fracture [9]	17.6	2.8	40.1	0.2%
Humerus (arm) fracture [10]	45.8	6.8	73.2	0.4%
Total all OP fracture discharges	527.1	119.3	723.5	3.6%
2013				
Osteoporosis diagnosis			938.9	4.8%
Hip fracture [5]	288.5	57.2	312.4	1.6%
Spine fracture [6]	102.8	30.8	236.9	1.2%
Pelvic fracture [7]	41.1	9.1	71.8	0.4%
Femur (thigh) fracture [8]	35.4	8.1	44.3	0.2%
Wrist fracture [9]	16.4	2.5	38.9	0.2%
Humerus (arm) fracture [10]	45.8	6.7	74.1	0.4%
Total all OP fracture discharges	530.0	114.5	730.6	3.7%
2014				
Osteoporosis diagnosis			903.9	4.6%
Hip fracture [5]	296.4	58.0	321.3	1.7%
Spine fracture [6]	106.3	31.6	248.7	1.3%
Pelvic fracture [7]	41.6	9.1	73.3	0.4%
Femur (thigh) fracture [8]	35.9	8.0	45.8	0.2%
Wrist fracture [9]	15.6	2.4	38.8	0.2%
Humerus (arm) fracture [10]	44.9	6.8	75.0	0.4%
Total all OP fracture discharges	540.6	115.8	752.1	3.9%

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Change in Discharges	<u>2010 to 2014</u>	<u>2012 to 2014</u>
Hip fracture [5]	3.5%	5.4%
Spine fracture [6]	-11.9%	-0.1%
Pelvic fracture [7]	-13.5%	-2.8%
Femur (thigh) fracture [8]	1.4%	7.5%
Wrist fracture [9]	-22.4%	-11.4%
Humerus (arm) fracture [10]	-12.0%	-2.0%
Total all OP fracture discharges	-3.8%	2.6%

* Does not meet standards of reliability.

[1] Excludes injuries from high impact ICD-9-CM diagnostic codes E880, 733.81, 733.82, and joint replacement ICD-9-CM procedure codes 00.71, 81.53, 78.60.

[2] Primary diagnosis is based on first listed diagnosis. May underestimate total numbers due to first diagnosis listed not always indicative of the primary diagnosis.

[3] ICD-9-CM codes 73300, 73301, 73302, 73303, 73309

[4] Data includes up to 25 diagnoses per record.

[5] ICD-9-CM codes 820.0, 820.2, 820.8, 733.14

[6] ICD-9-CM codes 805.0, 805.2, 805.4, 805.8, 806.0, 806.2, 806.4, 806.8, 733.13

[7] ICD-9-CM codes 808.0, 808.2, 808.4, 808.8

[8] ICD-9-CM codes 821.0, 821.2, 733.15

[9] ICD-9-CM codes 813.4, 813.5, 814, 733.12

[10] ICD-9-CM codes 812.0, 812.2, 812.4, 733.11

Source: HCUP Nationwide Inpatient Sample (NIS). Healthcare Cost and Utilization Project (HCUP). 2010-2014. Agency for Healthcare Research and Quality, Rockville, MD. www.hcup-us.ahrq.gov/nisoverview.jsp