The US (Hispanic) - The probabilities of a major osteoporotic fracture in men

The following tables give the 10-year probability (%) of a major osteoporotic fracture (hip, clinical spine, forearm or proximal humerus fracture) according to the T-score for femoral neck BMD , the number of clinical risk factors (CRF) and age. Each table provides a mean estimate and a range, based on the epidemiology of the US (Hispanic). The range is not a confidence interval, but because the weight of different risk factors varies, is a true range.

Note that the BMI is set at 24 kg/m².

Age = 50 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	11	7.3	5.0	3.7	2.8	2.3	2.0	1.7	1.6	1.5	1.4
1	17 (15-22)	11 (9.9-14)	7.6 (6.4-9.7)	5.6 (4.4-7.0)	4.3 (3.2-5.4)	3.5 (2.4-4.5)	3.0 (2.0-4.0)	2.6 (1.7-3.5)	2.3 (1.5-3.2)	2.2 (1.4-3.1)	2.1 (1.4-3.0)
2	26 (20-36)	17 (13-24)	12 (8.7-16)	8.3 (5.8-12)	6.4 (4.1-9.9)	5.2 (3.1-8.4)	4.4 (2.4-7.4)	3.8 (2.0-6.5)	3.4 (1.8-6.0)	3.3 (1.7-5.8)	3.2 (1.6-5.6)
3	36 (26-48)	25 (18-32)	17 (12-24)	12 (7.8-19)	9.4 (5.5-16)	7.6 (4.1-13)	6.4 (3.2-12)	5.5 (2.7-10)	5.0 (2.3-9.5)	4.8 (2.2-9.2)	4.6 (2.1-8.9)
4	49 (35-61)	35 (24-42)	24 (16-31)	18 (12-24)	14 (8.9-20)	11 (6.7-17)	9.2 (5.3-15)	7.9 (4.3-13)	7.1 (3.8-12)	6.8 (3.5-12)	6.5 (3.3-11)
5	64 (53-72)	47 (37-53)	34 (26-38)	25 (19-30)	19 (14-24)	15 (12-20)	13 (9.7-18)	11 (8.1-16)	10 (7.0-14)	9.5 (6.5-14)	9.1 (6.2-13)
6	77	60	45	34	26	21	18	15	14	13	13

Ten year probability of osteoporotic fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men from the US (Hispanic).

Age = 55 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	13	9.0	6.4	4.9	3.9	3.2	2.7	2.3	2.1	2.0	1.9
1	19 (18-24)	13 (12-16)	9.7 (7.9-12)	7.3 (5.6-8.9)	5.8 (4.2-7.3)	4.7 (3.3-6.2)	4.0 (2.7-5.4)	3.4 (2.3-4.8)	3.2 (2.1-4.4)	3.0 (1.9-4.2)	2.8 (1.8-4.0)
2	28 (23-37)	20 (16-26)	14 (11-19)	11 (7.4-15)	8.5 (5.4-13)	6.9 (4.1-11)	5.9 (3.3-9.7)	5.0 (2.7-8.5)	4.6 (2.5-7.9)	4.4 (2.3-7.5)	4.2 (2.1-7.2)
3	39 (30-48)	28 (21-37)	20 (14-29)	15 (9.8-24)	12 (7.1-20)	10 (5.4-17)	8.4 (4.3-15)	7.2 (3.6-13)	6.6 (3.2-12)	6.3 (2.9-12)	6.0 (2.8-11)
4	51 (39-60)	38 (27-46)	28 (20-37)	22 (15-30)	17 (12-25)	14 (8.8-22)	12 (7.0-19)	10 (5.7-17)	9.4 (5.1-16)	8.8 (4.7-15)	8.4 (4.4-14)
5	64 (56-71)	50 (42-55)	38 (31-44)	30 (24-36)	24 (19-30)	19 (15-26)	16 (12-22)	14 (10-20)	13 (9.1-18)	12 (8.4-17)	12 (7.9-17)
6	76	63	50	39	32	26	22	19	18	17	16

Age = 60 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	14	9.8	7.3	5.7	4.5	3.7	3.1	2.7	2.5	2.3	2.2
1	20 (18-23)	14 (12-17)	11 (8.7-13)	8.3 (6.4-10)	6.7 (4.9-8.4)	5.5 (3.8-7.2)	4.6 (3.1-6.2)	3.9 (2.6-5.4)	3.6 (2.4-5.1)	3.4 (2.2-4.8)	3.2 (2.0-4.5)
2	28 (23-35)	21 (16-26)	16 (12-21)	12 (8.4-17)	9.6 (6.2-14)	7.9 (4.8-12)	6.7 (3.9-11)	5.7 (3.2-9.4)	5.3 (2.8-8.8)	4.9 (2.6-8.3)	4.6 (2.4-7.8)
3	38 (30-47)	29 (22-38)	22 (16-31)	17 (11-26)	14 (8.3-22)	11 (6.4-19)	9.5 (5.0-17)	8.1 (4.1-15)	7.5 (3.7-14)	7.0 (3.4-13)	6.5 (3.1-12)
4	50 (39-56)	38 (29-47)	30 (22-39)	24 (17-33)	19 (13-28)	16 (10-24)	13 (8.1-21)	11 (6.6-18)	10 (5.9-17)	9.7 (5.3-16)	9.2 (4.9-15)
5	61 (54-66)	50 (43-55)	39 (33-46)	32 (26-39)	26 (21-33)	21 (17-28)	18 (14-24)	15 (11-21)	14 (10-20)	13 (9.2-19)	13 (8.5-18)
6	72	61	50	41	34	28	24	21	19	18	17

Ten year probability of osteoporotic fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men from the US (Hispanic).

Age = 65 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	14	10	7.7	6.0	4.8	3.9	3.2	2.8	2.5	2.3	2.2
1	19 (17-22)	15 (12-16)	11 (9.0-13)	8.7 (6.7-10)	7.0 (5.2-8.8)	5.7 (4.1-7.4)	4.7 (3.3-6.3)	4.1 (2.7-5.6)	3.7 (2.5-5.2)	3.4 (2.2-4.8)	3.2 (2.0-4.5)
2	27 (23-33)	20 (17-25)	16 (12-21)	12 (8.9-17)	9.9 (6.7-14)	8.1 (5.2-12)	6.8 (4.1-11)	5.8 (3.4-9.3)	5.3 (3.0-8.7)	4.9 (2.7-8.1)	4.5 (2.4-7.5)
3	36 (29-44)	28 (22-36)	22 (16-30)	17 (12-26)	14 (8.9-22)	11 (6.8-19)	9.5 (5.4-16)	8.2 (4.4-14)	7.5 (3.9-13)	6.9 (3.5-12)	6.4 (3.2-12)
4	46 (37-53)	37 (29-45)	29 (22-38)	23 (18-32)	19 (14-27)	16 (11-24)	13 (8.5-20)	11 (6.9-18)	10 (6.1-17)	9.5 (5.4-16)	8.8 (4.9-15)
5	57 (51-62)	47 (41-53)	38 (33-45)	31 (26-38)	25 (21-32)	21 (17-28)	18 (14-24)	15 (11-21)	14 (10-20)	13 (9.0-18)	12 (8.2-17)
6	66	57	48	40	33	28	23	20	19	17	16

Age = 70 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	14	11	8.2	6.4	5.1	4.1	3.4	2.9	2.6	2.4	2.2
1	20 (17-24)	15 (13-19)	12 (9.5-14)	9.2 (7.2-11)	7.3 (5.6-8.7)	5.8 (4.4-6.9)	4.8 (3.5-5.6)	4.1 (2.9-4.8)	3.6 (2.6-4.3)	3.3 (2.3-3.9)	3.0 (2.0-3.5)
2	28 (23-35)	22 (17-28)	17 (13-22)	13 (9.6-17)	10 (7.3-14)	8.2 (5.7-11)	6.6 (4.4-9.0)	5.6 (3.7-7.7)	5.0 (3.2-6.8)	4.4 (2.8-6.2)	4.0 (2.5-5.6)
3	39 (30-48)	30 (23-39)	24 (17-32)	18 (13-26)	14 (9.8-21)	11 (7.5-17)	9.2 (5.9-14)	7.8 (4.8-12)	6.8 (4.2-11)	6.0 (3.6-9.5)	5.4 (3.2-8.6)
4	50 (42-58)	41 (33-49)	32 (25-40)	26 (19-33)	20 (15-26)	16 (12-22)	13 (9.1-18)	11 (7.5-15)	9.2 (6.4-14)	8.1 (5.6-12)	7.3 (5.0-11)
5	61 (54-67)	52 (45-58)	43 (36-49)	35 (29-40)	27 (22-33)	22 (18-27)	17 (14-22)	14 (12-19)	12 (10-16)	11 (9.0-15)	9.7 (8.0-13)
6	71	63	54	45	37	29	24	19	17	14	13

Ten year probability of osteoporotic fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men from the US (Hispanic).

Age = 75 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	15	11	8.9	7.1	5.6	4.5	3.7	3.2	2.8	2.5	2.2
1	23 (18-37)	18 (13-29)	14 (10-22)	11 (8.0-17)	8.4 (6.2-13)	6.7 (4.9-9.6)	5.3 (3.9-7.3)	4.5 (3.3-5.9)	3.9 (2.8-4.8)	3.4 (2.4-4.0)	3.0 (2.1-3.5)
2	33 (23-48)	26 (18-40)	21 (14-32)	16 (11-25)	13 (8.3-19)	9.9 (6.5-15)	7.8 (5.1-11)	6.5 (4.2-9.2)	5.5 (3.5-7.5)	4.7 (3.0-6.2)	4.1 (2.6-5.3)
3	45 (31-59)	37 (24-50)	30 (19-42)	24 (14-34)	19 (11-27)	15 (8.6-21)	11 (6.8-16)	9.3 (5.6-13)	7.7 (4.7-11)	6.5 (4.0-9.3)	5.6 (3.5-7.9)
4	57 (40-67)	49 (32-60)	41 (26-52)	34 (20-43)	27 (16-35)	21 (13-28)	17 (10-22)	13 (8.4-18)	11 (7.1-15)	9.1 (6.1-12)	7.7 (5.3-10)
5	67 (50-74)	61 (42-68)	54 (35-60)	46 (29-52)	38 (23-43)	30 (19-35)	24 (15-28)	19 (13-23)	16 (11-19)	13 (9.2-16)	11 (8.0-13)
6	76	71	65	58	50	41	34	27	22	18	15

Age = 80 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	16	13	10	8.3	6.7	5.4	4.5	3.9	3.4	3.0	2.6
1	24 (18-38)	19 (15-31)	15 (12-25)	12 (9.3-20)	10 (7.4-15)	8.0 (5.9-12)	6.5 (4.8-9.6)	5.6 (4.0-7.8)	4.8 (3.4-6.4)	4.1 (3.0-5.3)	3.6 (2.6-4.5)
2	33 (24-49)	28 (19-42)	23 (15-35)	18 (12-28)	15 (9.9-23)	12 (7.9-18)	9.6 (6.3-15)	8.1 (5.3-12)	6.8 (4.5-9.9)	5.8 (3.8-8.3)	5.0 (3.3-6.9)
3	45 (31-59)	38 (25-52)	32 (21-44)	26 (17-37)	21 (13-30)	17 (11-25)	14 (8.5-20)	12 (7.1-16)	9.8 (6.0-14)	8.2 (5.1-12)	7.0 (4.3-9.8)
4	56 (39-66)	49 (33-60)	43 (27-53)	36 (22-46)	30 (18-38)	25 (14-32)	20 (12-26)	17 (10-22)	14 (8.5-18)	12 (7.3-15)	9.8 (6.3-13)
5	66 (48-72)	60 (42-67)	54 (36-61)	47 (30-54)	41 (25-47)	34 (21-40)	28 (17-33)	24 (14-28)	20 (12-24)	17 (11-20)	14 (9.3-17)
6	74	70	64	58	52	45	38	33	28	23	19

Ten year probability of osteoporotic fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men from the US (Hispanic).

Age = 85 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	15	12	10	8.2	6.8	5.6	4.7	4.1	3.6	3.1	2.7
1	22 (17-35)	18 (14-29)	15 (11-24)	12 (9.2-20)	10 (7.5-16)	8.3 (6.1-13)	7.0 (5.1-11)	6.0 (4.3-8.8)	5.2 (3.7-7.3)	4.5 (3.2-6.2)	3.9 (2.8-5.2)
2	31 (22-46)	26 (18-40)	22 (15-34)	18 (12-28)	15 (10-23)	12 (8.1-19)	10 (6.8-16)	8.8 (5.8-13)	7.5 (4.9-11)	6.4 (4.2-9.5)	5.5 (3.6-8.1)
3	42 (29-56)	36 (24-50)	31 (20-43)	26 (16-37)	22 (13-31)	18 (11-26)	15 (9.1-22)	13 (7.7-18)	11 (6.6-15)	9.3 (5.6-13)	8.0 (4.8-11)
4	53 (36-64)	48 (31-58)	42 (26-52)	36 (22-46)	31 (18-39)	26 (15-33)	22 (13-28)	19 (11-24)	16 (9.3-20)	13 (8.0-17)	11 (6.9-15)
5	64 (46-70)	59 (40-66)	53 (35-60)	48 (30-54)	42 (25-48)	36 (21-41)	31 (18-36)	26 (16-31)	23 (14-27)	19 (12-23)	16 (10-20)
6	73	69	64	59	53	47	41	36	32	27	23

Age = 90 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	11	9.1	7.6	6.4	5.3	4.4	3.8	3.4	3.0	2.6	2.3
1	16 (12-26)	14 (10-22)	11 (8.3-19)	9.6 (7.0-15)	8.0 (5.8-13)	6.7 (4.8-11)	5.8 (4.1-9.1)	5.0 (3.6-7.8)	4.4 (3.1-6.6)	3.8 (2.7-5.7)	3.3 (2.4-4.9)
2	23 (16-35)	20 (13-31)	17 (11-26)	14 (9.4-22)	12 (7.8-19)	10 (6.5-16)	8.6 (5.6-14)	7.5 (4.9-12)	6.5 (4.2-10)	5.6 (3.6-8.7)	4.9 (3.2-7.5)
3	33 (21-45)	28 (18-40)	24 (15-35)	21 (13-30)	18 (11-26)	15 (8.8-22)	13 (7.6-19)	11 (6.6-16)	9.7 (5.7-14)	8.4 (4.9-12)	7.2 (4.3-10)
4	43 (27-54)	38 (24-48)	34 (20-43)	29 (17-38)	25 (14-33)	22 (12-28)	19 (10-25)	16 (9.1-22)	14 (7.9-19)	12 (6.9-16)	11 (6.0-14)
5	55 (36-61)	50 (31-56)	45 (27-51)	40 (23-46)	35 (20-41)	31 (17-36)	27 (15-31)	24 (13-28)	21 (12-24)	18 (10-21)	16 (8.8-19)
6	65	61	56	52	46	41	37	33	29	26	23