

**Colombia - The probabilities of a major osteoporotic fracture in women**

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 Colombia. 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/m<sup>2</sup>.

**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	8.2	5.1	3.4	2.5	1.9	1.6	1.3	1.2	1.1	1.1	1.0
1	13 (11-16)	7.9 (7.0-10)	5.3 (4.5-6.7)	3.8 (3.0-4.8)	2.9 (2.1-3.7)	2.4 (1.6-3.1)	2.0 (1.3-2.7)	1.8 (1.2-2.5)	1.7 (1.1-2.4)	1.6 (1.0-2.3)	1.6 (1.0-2.2)
2	19 (15-27)	12 (9.5-17)	8.1 (6.1-11)	5.7 (4.0-8.3)	4.4 (2.8-6.8)	3.5 (2.1-5.7)	3.0 (1.6-5.0)	2.7 (1.4-4.6)	2.5 (1.3-4.4)	2.4 (1.2-4.2)	2.3 (1.2-4.1)
3	28 (20-38)	18 (13-24)	12 (8.4-17)	8.5 (5.4-13)	6.5 (3.7-11)	5.2 (2.7-9.3)	4.3 (2.1-8.0)	3.9 (1.8-7.4)	3.7 (1.7-7.1)	3.5 (1.6-6.8)	3.4 (1.5-6.5)
4	39 (27-51)	26 (17-33)	18 (11-22)	12 (8.1-17)	9.4 (6.1-14)	7.5 (4.6-12)	6.2 (3.5-10)	5.6 (3.0-9.5)	5.3 (2.8-9.0)	5.0 (2.6-8.7)	4.8 (2.5-8.4)
5	53 (43-63)	36 (28-42)	25 (19-28)	18 (13-21)	13 (10-17)	11 (8.0-14)	8.8 (6.7-12)	7.9 (5.7-11)	7.4 (5.2-11)	7.1 (4.8-10)	6.8 (4.6-9.8)
6	68	49	35	25	19	15	12	11	10	9.8	9.4

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

**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	11	7.7	5.4	4.0	3.1	2.6	2.2	2.0	1.9	1.7	1.7
1	17 (15-21)	12 (10-14)	8.2 (6.8-9.9)	6.1 (4.7-7.4)	4.7 (3.5-5.9)	3.8 (2.7-5.0)	3.2 (2.2-4.4)	3.0 (2.0-4.1)	2.8 (1.8-3.9)	2.6 (1.7-3.7)	2.5 (1.6-3.5)
2	25 (20-34)	17 (14-23)	12 (9.1-16)	9.0 (6.2-13)	7.0 (4.5-11)	5.7 (3.4-9.0)	4.7 (2.7-7.8)	4.3 (2.4-7.3)	4.1 (2.1-6.9)	3.8 (2.0-6.6)	3.6 (1.9-6.2)
3	35 (27-45)	25 (18-32)	18 (12-25)	13 (8.4-20)	10 (5.9-17)	8.2 (4.5-14)	6.9 (3.5-12)	6.3 (3.1-12)	5.8 (2.8-11)	5.5 (2.6-10)	5.2 (2.4-9.9)
4	48 (35-58)	34 (24-41)	25 (17-32)	19 (13-26)	14 (9.9-21)	12 (7.4-18)	9.8 (5.8-16)	8.9 (5.0-15)	8.3 (4.5-14)	7.8 (4.2-13)	7.4 (3.9-13)
5	62 (53-69)	46 (38-51)	34 (28-39)	26 (21-31)	20 (16-26)	16 (13-22)	14 (10-19)	12 (9.0-17)	12 (8.1-16)	11 (7.5-15)	10 (7.0-15)
6	75	59	45	35	27	22	19	17	16	15	14

**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	13	9.2	6.7	5.0	3.9	3.2	2.7	2.5	2.3	2.1	2.0
1	19 (18-23)	14 (12-16)	9.9 (8.2-12)	7.5 (5.8-8.9)	5.9 (4.3-7.4)	4.7 (3.4-6.2)	4.0 (2.8-5.5)	3.7 (2.5-5.1)	3.4 (2.2-4.7)	3.1 (2.0-4.4)	2.9 (1.9-4.2)
2	28 (23-36)	20 (16-26)	14 (11-19)	11 (7.7-15)	8.5 (5.6-13)	6.9 (4.2-11)	5.9 (3.4-9.5)	5.3 (3.0-8.8)	4.9 (2.7-8.2)	4.6 (2.4-7.7)	4.3 (2.2-7.2)
3	38 (30-46)	28 (22-36)	21 (15-29)	16 (10-24)	12 (7.4-20)	9.9 (5.6-17)	8.4 (4.5-15)	7.7 (3.9-14)	7.0 (3.5-13)	6.5 (3.1-12)	6.1 (2.9-11)
4	51 (39-58)	38 (28-45)	28 (21-37)	22 (16-30)	17 (12-25)	14 (9.1-21)	12 (7.3-19)	11 (6.3-18)	9.9 (5.6-16)	9.2 (5.1-15)	8.6 (4.7-15)
5	64 (57-69)	50 (43-54)	38 (32-44)	30 (25-36)	24 (19-30)	19 (16-25)	16 (13-22)	15 (11-20)	14 (9.6-19)	13 (8.7-18)	12 (8.1-17)
6	76	62	50	39	31	26	22	20	18	17	16

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

**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	13	9.5	6.9	5.2	4.0	3.2	2.8	2.5	2.3	2.1	1.9
1	19 (18-22)	14 (12-16)	10 (8.5-11)	7.7 (6.1-9.1)	5.9 (4.5-7.5)	4.7 (3.4-6.2)	4.1 (2.9-5.5)	3.7 (2.5-5.0)	3.3 (2.2-4.6)	3.0 (2.0-4.3)	2.8 (1.8-4.0)
2	27 (23-34)	20 (16-25)	15 (11-19)	11 (8.0-15)	8.6 (5.8-12)	6.9 (4.3-10)	5.9 (3.6-9.3)	5.3 (3.0-8.5)	4.8 (2.7-7.8)	4.4 (2.4-7.2)	4.0 (2.2-6.7)
3	37 (30-45)	28 (22-36)	21 (15-29)	16 (11-23)	12 (7.7-19)	9.7 (5.8-16)	8.4 (4.7-14)	7.5 (4.0-13)	6.8 (3.5-12)	6.2 (3.1-11)	5.7 (2.8-11)
4	49 (39-54)	37 (29-44)	28 (21-36)	22 (16-29)	17 (12-24)	14 (9.4-20)	12 (7.6-18)	10 (6.4-17)	9.5 (5.6-16)	8.7 (4.9-14)	8.0 (4.4-13)
5	60 (55-65)	48 (43-53)	37 (33-43)	29 (25-35)	23 (19-29)	19 (15-24)	16 (13-22)	14 (11-20)	13 (9.3-18)	12 (8.3-17)	11 (7.5-16)
6	72	59	48	38	31	25	22	19	17	16	15

**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	13	9.5	7.0	5.2	4.0	3.2	2.8	2.4	2.2	1.9	1.7
1	20 (17-24)	14 (12-17)	10 (8.5-12)	7.6 (6.1-9.1)	5.8 (4.5-6.8)	4.6 (3.5-5.4)	3.9 (2.9-4.6)	3.4 (2.4-4.0)	3.0 (2.1-3.5)	2.7 (1.9-3.2)	2.4 (1.7-2.9)
2	28 (23-36)	21 (16-27)	15 (11-20)	11 (8.1-15)	8.3 (5.9-11)	6.5 (4.5-8.7)	5.5 (3.6-7.4)	4.7 (3.0-6.4)	4.1 (2.6-5.6)	3.6 (2.3-5.0)	3.3 (2.0-4.5)
3	40 (31-50)	29 (22-38)	22 (15-29)	16 (11-22)	12 (7.9-17)	9.2 (6.0-14)	7.6 (4.8-12)	6.5 (4.0-10)	5.6 (3.4-8.8)	5.0 (2.9-7.9)	4.4 (2.6-7.1)
4	53 (43-61)	41 (32-48)	30 (23-37)	23 (17-29)	17 (12-22)	13 (9.4-18)	11 (7.7-15)	8.9 (6.3-13)	7.7 (5.4-11)	6.7 (4.6-10)	6.0 (4.1-9.1)
5	66 (59-70)	54 (46-58)	42 (35-46)	31 (26-36)	24 (19-28)	18 (15-22)	15 (12-18)	12 (10-16)	10 (8.6-14)	9.0 (7.5-12)	7.9 (6.6-11)
6	77	67	55	43	33	25	20	17	14	12	11

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

**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	13	9.3	6.9	5.2	4.0	3.3	2.8	2.4	2.1	1.9	1.6
1	20 (16-32)	15 (11-23)	11 (8.2-17)	7.9 (6.0-12)	5.9 (4.4-8.4)	4.8 (3.5-6.3)	4.0 (2.9-4.9)	3.3 (2.4-3.9)	2.9 (2.1-3.3)	2.5 (1.8-3.0)	2.2 (1.6-2.6)
2	30 (21-46)	22 (15-35)	16 (11-26)	12 (8.0-19)	8.9 (5.9-13)	7.0 (4.6-10)	5.6 (3.7-7.9)	4.7 (3.1-6.3)	3.9 (2.6-5.2)	3.3 (2.2-4.6)	2.9 (1.9-4.1)
3	43 (28-58)	33 (20-46)	25 (15-35)	18 (11-26)	13 (7.9-19)	10 (6.1-15)	8.1 (4.9-12)	6.6 (4.0-9.4)	5.4 (3.4-7.7)	4.5 (2.9-6.4)	3.8 (2.5-5.4)
4	57 (38-69)	46 (28-57)	36 (21-45)	27 (16-34)	20 (12-26)	15 (9.2-20)	12 (7.5-15)	9.3 (6.2-12)	7.5 (5.2-10)	6.2 (4.5-8.4)	5.2 (3.8-7.1)
5	71 (51-76)	61 (40-67)	50 (31-55)	39 (24-44)	29 (18-33)	22 (14-26)	17 (12-20)	13 (9.6-16)	11 (8.1-13)	8.5 (6.9-11)	7.0 (6.0-8.8)
6	80	74	64	53	41	32	25	19	15	12	9.5

**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	11	8.4	6.4	4.9	3.9	3.2	2.7	2.3	2.0	1.7	1.5
1	17 (13-28)	13 (9.8-21)	9.7 (7.3-15)	7.3 (5.4-11)	5.7 (4.2-8.3)	4.6 (3.4-6.4)	3.8 (2.8-5.0)	3.2 (2.3-4.0)	2.7 (1.9-3.2)	2.3 (1.7-2.6)	2.0 (1.4-2.3)
2	25 (17-39)	19 (13-31)	15 (9.8-23)	11 (7.3-17)	8.4 (5.6-13)	6.7 (4.4-10)	5.5 (3.6-7.9)	4.5 (2.9-6.3)	3.7 (2.4-5.1)	3.1 (2.1-4.1)	2.7 (1.8-3.5)
3	36 (23-50)	28 (18-40)	22 (13-31)	16 (9.8-23)	12 (7.5-18)	9.9 (5.9-14)	7.9 (4.8-11)	6.3 (3.9-8.9)	5.2 (3.2-7.3)	4.3 (2.7-6.0)	3.6 (2.3-5.0)
4	48 (30-59)	39 (23-49)	31 (18-39)	24 (13-31)	18 (10-23)	14 (8.4-18)	11 (6.9-15)	9.0 (5.7-12)	7.2 (4.8-9.6)	5.9 (4.0-7.9)	4.9 (3.5-6.6)
5	60 (41-67)	52 (32-58)	42 (25-48)	34 (20-38)	26 (15-30)	21 (13-24)	16 (10-19)	13 (8.5-15)	10 (7.2-12)	8.2 (6.1-10)	6.6 (5.2-8.4)
6	71	64	55	45	36	29	23	18	14	11	9.2

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

**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	9.6	7.5	5.8	4.5	3.8	3.2	2.7	2.3	2.0	1.7	1.4
1	14 (11-24)	11 (8.1-18)	8.7 (6.2-14)	6.7 (4.8-10)	5.5 (3.9-8.3)	4.5 (3.2-6.6)	3.8 (2.7-5.3)	3.2 (2.2-4.2)	2.7 (1.9-3.4)	2.3 (1.6-2.8)	1.9 (1.3-2.3)
2	21 (14-32)	17 (11-26)	13 (8.4-20)	10 (6.4-15)	8.0 (5.2-12)	6.6 (4.2-9.9)	5.4 (3.5-7.9)	4.5 (2.9-6.4)	3.7 (2.4-5.2)	3.1 (2.0-4.2)	2.6 (1.7-3.5)
3	30 (19-41)	24 (15-34)	19 (11-27)	15 (8.7-21)	12 (7.0-17)	9.5 (5.7-13)	7.7 (4.6-11)	6.3 (3.8-8.9)	5.2 (3.2-7.3)	4.3 (2.7-6.1)	3.6 (2.2-5.0)
4	40 (25-50)	33 (20-42)	26 (15-34)	21 (12-27)	17 (9.7-22)	14 (8.0-18)	11 (6.6-15)	9.0 (5.5-12)	7.3 (4.6-9.8)	6.0 (3.9-8.1)	4.9 (3.3-6.7)
5	51 (32-58)	43 (26-50)	36 (21-42)	29 (17-34)	24 (14-28)	20 (11-23)	16 (9.4-19)	13 (7.9-16)	10 (6.6-13)	8.4 (5.6-11)	6.9 (4.8-8.7)
6	62	55	47	39	33	27	22	18	15	12	9.6

**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	8.5	6.8	5.4	4.4	3.8	3.3	2.8	2.4	2.1	1.8	1.5
1	12 (8.5-19)	9.8 (6.8-15)	7.8 (5.4-12)	6.3 (4.3-9.5)	5.4 (3.6-7.9)	4.5 (3.1-6.5)	3.9 (2.6-5.4)	3.3 (2.2-4.5)	2.8 (1.9-3.7)	2.4 (1.6-3.1)	2.1 (1.4-2.6)
2	17 (11-26)	14 (9.0-21)	11 (7.2-17)	9.0 (5.8-14)	7.6 (4.8-11)	6.4 (4.0-9.4)	5.4 (3.4-7.8)	4.6 (2.9-6.5)	3.9 (2.4-5.4)	3.3 (2.1-4.5)	2.8 (1.8-3.8)
3	24 (15-33)	20 (12-28)	16 (9.6-23)	13 (7.7-18)	11 (6.5-15)	9.1 (5.4-13)	7.6 (4.6-11)	6.4 (3.8-9.0)	5.4 (3.2-7.6)	4.5 (2.7-6.4)	3.8 (2.3-5.4)
4	32 (20-41)	27 (16-35)	22 (13-29)	18 (11-24)	15 (8.9-20)	13 (7.5-17)	11 (6.3-14)	9.0 (5.4-12)	7.5 (4.5-10)	6.3 (3.8-8.5)	5.3 (3.3-7.1)
5	42 (26-49)	36 (21-42)	30 (17-36)	25 (14-30)	22 (12-26)	18 (10-22)	15 (8.9-19)	13 (7.6-16)	11 (6.4-13)	8.8 (5.5-11)	7.3 (4.7-9.4)
6	53	47	40	34	30	25	21	18	15	12	10