Colombia - The probabilities of a hip fracture in men

The following tables give the 10-year probability (%) of a hip 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/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	8.0	4.3	2.3	1.2	0.6	0.3	0.2	0.1	0.1	0.0	0.0
1	12 (8.4-16)	6.7 (4.5-8.9)	3.6 (2.4-4.8)	1.9 (1.3-2.5)	1.0 (0.7-1.3)	0.5 (0.4-0.7)	0.3 (0.2-0.4)	0.1 (0.1-0.2)	0.1 (0.1-0.1)	0.0 (0.0-0.1)	0.0 (0.0-0.0)
2	19 (12-27)	10 (6.3-15)	5.6 (3.4-8.5)	3.0 (1.8-4.6)	1.6 (0.9-2.4)	0.8 (0.5-1.3)	0.4 (0.3-0.7)	0.2 (0.1-0.4)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	0.0 (0.0-0.1)
3	27 (17-39)	16 (9.5-24)	8.7 (5.1-13)	4.7 (2.7-7.4)	2.5 (1.4-4.0)	1.3 (0.8-2.1)	0.7 (0.4-1.1)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
4	38 (27-52)	23 (15-33)	13 (8.3-20)	7.2 (4.5-11)	3.9 (2.4-6.0)	2.0 (1.3-3.2)	1.1 (0.7-1.7)	0.6 (0.4-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.1)
5	51 (41-63)	33 (25-43)	19 (14-27)	11 (7.9-15)	5.9 (4.2-8.4)	3.1 (2.3-4.5)	1.7 (1.2-2.4)	0.9 (0.6-1.3)	0.5 (0.3-0.7)	0.3 (0.2-0.4)	0.1 (0.1-0.2)
6	64	45	28	16	8.8	4.8	2.5	1.3	0.7	0.4	0.2

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Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men 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	10	5.7	3.2	1.7	1.0	0.5	0.3	0.2	0.1	0.1	0.0
1	15 (11-19)	8.7 (6.0-11)	4.9 (3.3-6.1)	2.7 (1.8-3.4)	1.5 (1.0-1.9)	0.8 (0.5-1.0)	0.4 (0.3-0.6)	0.2 (0.2-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.1)	0.0 (0.0-0.1)
2	22 (15-31)	13 (8.4-18)	7.5 (4.7-11)	4.2 (2.6-6.0)	2.3 (1.4-3.3)	1.3 (0.8-1.8)	0.7 (0.4-1.0)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
3	32 (21-43)	19 (12-28)	11 (7.0-17)	6.4 (3.9-9.5)	3.5 (2.2-5.4)	2.0 (1.2-3.0)	1.1 (0.6-1.6)	0.6 (0.4-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
4	43 (32-56)	27 (19-38)	17 (11-24)	9.5 (6.4-14)	5.4 (3.5-8.1)	3.0 (2.0-4.5)	1.6 (1.1-2.5)	0.9 (0.6-1.4)	0.5 (0.3-0.8)	0.3 (0.2-0.4)	0.2 (0.1-0.3)
5	55 (47-66)	38 (31-48)	24 (19-32)	14 (11-19)	8.0 (6.2-11)	4.5 (3.4-6.4)	2.5 (1.9-3.5)	1.4 (1.1-2.0)	0.8 (0.6-1.1)	0.4 (0.3-0.6)	0.2 (0.2-0.4)
6	67	50	33	20	12	6.7	3.7	2.1	1.2	0.7	0.4

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	9.5	5.6	3.3	1.9	1.1	0.7	0.4	0.2	0.1	0.1	0.1
1	14 (9.9-16)	8.4 (5.9-10)	5.0 (3.5-5.9)	2.9 (2.0-3.5)	1.7 (1.2-2.0)	1.0 (0.7-1.2)	0.6 (0.4-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)	0.1 (0.1-0.1)
2	20 (14-26)	12 (8.3-17)	7.5 (4.9-10)	4.5 (2.9-6.1)	2.6 (1.7-3.6)	1.5 (1.0-2.1)	0.9 (0.6-1.2)	0.5 (0.3-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
3	28 (20-37)	18 (12-24)	11 (7.4-15)	6.6 (4.4-9.4)	3.9 (2.6-5.6)	2.3 (1.5-3.3)	1.3 (0.9-2.0)	0.8 (0.5-1.2)	0.5 (0.3-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.3)
4	38 (29-49)	25 (19-34)	16 (12-22)	9.7 (6.9-14)	5.8 (4.1-8.4)	3.4 (2.4-5.0)	2.0 (1.4-3.0)	1.2 (0.8-1.8)	0.7 (0.5-1.1)	0.4 (0.3-0.6)	0.3 (0.2-0.4)
5	49 (43-59)	34 (29-43)	22 (19-30)	14 (12-19)	8.5 (7.0-12)	5.1 (4.2-7.1)	3.0 (2.5-4.2)	1.8 (1.4-2.5)	1.1 (0.9-1.5)	0.6 (0.5-0.9)	0.4 (0.3-0.6)
6	60	45	31	20	12	7.4	4.4	2.6	1.6	1.0	0.6

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men 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	8.0	5.0	3.1	2.0	1.2	0.8	0.5	0.3	0.2	0.1	0.1
1	12 (8.4-13)	7.4 (5.3-8.4)	4.6 (3.3-5.3)	2.9 (2.1-3.3)	1.8 (1.3-2.1)	1.1 (0.8-1.3)	0.7 (0.5-0.8)	0.4 (0.3-0.5)	0.3 (0.2-0.3)	0.2 (0.1-0.2)	0.1 (0.1-0.1)
2	16 (12-21)	11 (7.4-14)	6.8 (4.7-8.7)	4.3 (2.9-5.5)	2.7 (1.8-3.5)	1.7 (1.1-2.2)	1.0 (0.7-1.3)	0.6 (0.4-0.8)	0.4 (0.3-0.5)	0.3 (0.2-0.3)	0.2 (0.1-0.2)
3	23 (17-29)	15 (11-20)	9.7 (7.0-13)	6.2 (4.4-8.2)	3.9 (2.7-5.2)	2.4 (1.7-3.3)	1.5 (1.1-2.1)	0.9 (0.7-1.3)	0.6 (0.4-0.8)	0.4 (0.3-0.5)	0.2 (0.2-0.3)
4	30 (25-38)	21 (16-27)	14 (11-18)	8.9 (6.8-12)	5.6 (4.3-7.8)	3.5 (2.7-5.0)	2.2 (1.7-3.1)	1.4 (1.0-2.0)	0.9 (0.7-1.3)	0.6 (0.4-0.8)	0.4 (0.3-0.5)
5	39 (35-48)	28 (25-35)	19 (17-25)	13 (11-17)	8.1 (7.0-11)	5.1 (4.4-7.0)	3.2 (2.8-4.4)	2.0 (1.7-2.8)	1.3 (1.1-1.8)	0.8 (0.7-1.2)	0.5 (0.5-0.7)
6	49	37	26	17	11	7.3	4.6	2.9	1.9	1.2	0.8

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	6.6	4.4	2.9	1.9	1.3	0.8	0.5	0.4	0.2	0.2	0.1
1	10 (9.2-13)	7.0 (6.2-9.1)	4.7 (4.1-6.1)	3.1 (2.7-4.1)	2.1 (1.8-2.7)	1.3 (1.2-1.8)	0.9 (0.8-1.2)	0.6 (0.5-0.8)	0.4 (0.4-0.5)	0.3 (0.2-0.4)	0.2 (0.2-0.2)
2	16 (13-20)	11 (9.0-14)	7.4 (6.1-9.8)	5.0 (4.0-6.6)	3.3 (2.7-4.4)	2.2 (1.8-2.9)	1.4 (1.2-1.9)	1.0 (0.8-1.3)	0.7 (0.5-0.9)	0.4 (0.4-0.6)	0.3 (0.2-0.4)
3	24 (19-29)	17 (13-21)	12 (9.0-15)	7.9 (6.1-9.9)	5.3 (4.1-6.7)	3.5 (2.7-4.5)	2.3 (1.8-3.0)	1.6 (1.2-2.0)	1.1 (0.8-1.4)	0.7 (0.6-0.9)	0.5 (0.4-0.6)
4	33 (27-39)	25 (19-29)	17 (13-21)	12 (9.2-15)	8.3 (6.2-10)	5.6 (4.1-6.7)	3.7 (2.7-4.5)	2.5 (1.9-3.0)	1.7 (1.3-2.1)	1.2 (0.9-1.4)	0.8 (0.6-1.0)
5	45 (37-48)	34 (28-37)	26 (20-28)	18 (14-20)	13 (9.7-14)	8.7 (6.6-9.6)	5.9 (4.4-6.5)	4.0 (3.0-4.5)	2.7 (2.1-3.1)	1.9 (1.4-2.1)	1.3 (1.0-1.4)
6	56	46	36	26	19	13	9.1	6.3	4.3	3.0	2.0

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Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men 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	5.2	3.6	2.5	1.8	1.2	0.9	0.6	0.4	0.3	0.2	0.2
1	9.5 (7.2-20)	6.8 (5.1-15)	4.8 (3.6-10)	3.4 (2.5-7.4)	2.4 (1.8-5.3)	1.7 (1.2-3.7)	1.2 (0.8-2.6)	0.8 (0.6-1.8)	0.6 (0.4-1.3)	0.4 (0.3-0.9)	0.3 (0.2-0.7)
2	16 (10-28)	12 (7.2-21)	8.6 (5.1-16)	6.1 (3.6-11)	4.3 (2.5-8.2)	3.1 (1.7-5.8)	2.1 (1.2-4.1)	1.5 (0.9-3.0)	1.1 (0.6-2.1)	0.8 (0.4-1.5)	0.6 (0.3-1.1)
3	25 (14-38)	19 (10-30)	14 (7.2-22)	10 (5.1-17)	7.5 (3.6-12)	5.3 (2.5-8.7)	3.8 (1.8-6.2)	2.7 (1.3-4.5)	2.0 (0.9-3.2)	1.4 (0.7-2.3)	1.0 (0.5-1.7)
4	36 (20-47)	29 (15-38)	22 (11-30)	17 (7.6-22)	12 (5.4-17)	8.9 (3.8-12)	6.3 (2.7-8.6)	4.6 (1.9-6.3)	3.4 (1.4-4.6)	2.4 (1.0-3.4)	1.8 (0.7-2.4)
5	49 (27-55)	41 (21-47)	33 (15-38)	25 (11-29)	19 (8.1-22)	14 (5.8-16)	10 (4.1-12)	7.6 (3.0-8.8)	5.6 (2.2-6.5)	4.1 (1.6-4.7)	3.0 (1.1-3.5)
6	62	54	45	36	29	22	16	12	9.0	6.6	4.9

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	3.7	2.8	2.0	1.5	1.1	0.8	0.6	0.5	0.3	0.3	0.2
1	6.8 (4.9-15)	5.1 (3.6-11)	3.8 (2.7-8.5)	2.9 (2.0-6.4)	2.1 (1.5-4.7)	1.6 (1.1-3.5)	1.2 (0.8-2.6)	0.9 (0.6-2.0)	0.7 (0.5-1.5)	0.5 (0.3-1.1)	0.4 (0.3-0.9)
2	11 (6.5-21)	8.8 (4.9-16)	6.7 (3.7-12)	5.0 (2.7-9.4)	3.7 (2.0-7.1)	2.8 (1.5-5.3)	2.1 (1.1-4.0)	1.6 (0.8-3.1)	1.2 (0.6-2.3)	0.9 (0.5-1.8)	0.7 (0.4-1.4)
3	18 (9.1-29)	14 (6.8-23)	11 (5.1-18)	8.3 (3.8-14)	6.3 (2.9-10)	4.7 (2.1-7.9)	3.5 (1.6-6.0)	2.7 (1.2-4.6)	2.1 (0.9-3.5)	1.6 (0.7-2.7)	1.2 (0.5-2.1)
4	27 (13-36)	21 (9.8-30)	17 (7.5-24)	13 (5.6-19)	10 (4.2-14)	7.6 (3.2-11)	5.8 (2.4-8.3)	4.5 (1.8-6.4)	3.4 (1.4-5.0)	2.6 (1.1-3.8)	2.0 (0.8-2.9)
5	37 (18-43)	31 (14-36)	25 (11-29)	20 (8.3-23)	15 (6.3-18)	12 (4.7-14)	9.2 (3.6-11)	7.1 (2.7-8.6)	5.5 (2.1-6.7)	4.3 (1.6-5.2)	3.3 (1.2-4.0)
6	49	42	35	29	23	18	14	11	8.6	6.7	5.2

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men 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	2.7	2.1	1.6	1.3	1.0	0.8	0.6	0.5	0.4	0.3	0.2
1	4.9 (3.5-11)	3.8 (2.7-8.5)	3.0 (2.1-6.7)	2.4 (1.7-5.3)	1.8 (1.3-4.1)	1.4 (1.0-3.2)	1.1 (0.8-2.6)	0.9 (0.6-2.1)	0.7 (0.5-1.6)	0.6 (0.4-1.3)	0.5 (0.3-1.1)
2	8.3 (4.5-16)	6.6 (3.6-12)	5.2 (2.8-10)	4.1 (2.2-7.9)	3.2 (1.7-6.2)	2.5 (1.3-4.9)	2.0 (1.1-3.9)	1.6 (0.8-3.1)	1.3 (0.7-2.5)	1.0 (0.5-2.0)	0.8 (0.4-1.6)
3	13 (6.3-21)	11 (5.0-17)	8.5 (3.9-14)	6.8 (3.1-11)	5.4 (2.4-8.9)	4.2 (1.9-7.1)	3.4 (1.5-5.7)	2.7 (1.2-4.6)	2.2 (1.0-3.7)	1.8 (0.8-3.0)	1.4 (0.6-2.4)
4	20 (8.9-28)	16 (7.1-23)	13 (5.6-19)	11 (4.4-15)	8.5 (3.5-12)	6.8 (2.7-9.8)	5.4 (2.2-7.9)	4.4 (1.8-6.4)	3.6 (1.4-5.2)	2.9 (1.1-4.2)	2.3 (0.9-3.4)
5	28 (13-33)	24 (10-28)	20 (8.3-23)	16 (6.6-19)	13 (5.2-16)	11 (4.1-13)	8.5 (3.3-10)	7.0 (2.7-8.3)	5.7 (2.1-6.8)	4.6 (1.7-5.5)	3.7 (1.4-4.5)
6	39	33	28	24	19	16	13	11	8.8	7.2	5.8

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	1.9	1.5	1.2	1.0	0.8	0.7	0.6	0.5	0.4	0.3	0.3
1	3.5 (2.5-7.7)	2.8 (2.0-6.4)	2.3 (1.6-5.2)	1.9 (1.3-4.3)	1.6 (1.1-3.5)	1.3 (0.9-2.9)	1.1 (0.7-2.4)	0.9 (0.6-2.0)	0.7 (0.5-1.7)	0.6 (0.4-1.4)	0.5 (0.4-1.2)
2	6.0 (3.2-11)	4.9 (2.6-9.4)	4.1 (2.2-7.8)	3.3 (1.8-6.4)	2.7 (1.4-5.3)	2.2 (1.2-4.3)	1.9 (1.0-3.6)	1.6 (0.8-3.0)	1.3 (0.7-2.6)	1.1 (0.6-2.1)	0.9 (0.5-1.8)
3	9.7 (4.5-16)	8.1 (3.7-13)	6.7 (3.0-11)	5.5 (2.5-9.2)	4.6 (2.0-7.6)	3.7 (1.7-6.3)	3.1 (1.4-5.3)	2.6 (1.2-4.5)	2.2 (1.0-3.8)	1.9 (0.8-3.2)	1.6 (0.7-2.7)
4	15 (6.5-21)	13 (5.3-18)	11 (4.4-15)	8.8 (3.6-13)	7.3 (3.0-11)	6.0 (2.4-8.7)	5.1 (2.0-7.4)	4.3 (1.7-6.3)	3.6 (1.4-5.3)	3.1 (1.2-4.5)	2.6 (1.0-3.8)
5	22 (9.5-26)	19 (7.9-22)	16 (6.6-19)	14 (5.4-16)	11 (4.5-13)	9.4 (3.7-11)	8.0 (3.1-9.5)	6.8 (2.6-8.1)	5.8 (2.2-6.9)	4.9 (1.8-5.9)	4.2 (1.6-5.0)
6	31	27	23	20	17	14	12	10	9.0	7.6	6.5