Colombia - 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 body mass index (BMI kg/m2), 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.

Age = 50 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	1.0	1.0	1.0	0.8	0.7	0.6	0.6
1	1.6 (1.0-2.4)	1.5 (1.0-2.2)	1.5 (1.0-2.1)	1.3 (0.9-1.8)	1.1 (0.7-1.6)	1.0 (0.6-1.4)	0.8 (0.6-1.2)
2	2.5 (1.3-4.3)	2.4 (1.2-4.1)	2.3 (1.2-4.1)	2.0 (1.0-3.5)	1.7 (0.9-3.1)	1.5 (0.8-2.7)	1.3 (0.7-2.3)
3	3.9 (1.9-6.7)	3.6 (1.8-6.5)	3.5 (1.7-6.4)	3.0 (1.4-5.6)	2.6 (1.2-4.8)	2.3 (1.1-4.2)	2.0 (0.9-3.7)
4	6.0 (3.1-9.6)	5.5 (2.8-9.0)	5.2 (2.7-8.7)	4.5 (2.3-7.6)	3.9 (2.0-6.6)	3.4 (1.7-5.7)	2.9 (1.4-4.9)
5	9.2 (5.3-12)	8.3 (5.1-11)	7.7 (5.0-11)	6.6 (4.4-9.2)	5.7 (3.8-7.9)	4.9 (3.3-6.9)	4.2 (2.8-6.0)
6	14	12	11	9.6	8.3	7.1	6.1

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

Age = 55 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	1.6	1.6	1.5	1.3	1.2	1.0	0.9
1	2.6 (1.7-3.8)	2.5 (1.6-3.5)	2.4 (1.6-3.3)	2.1 (1.4-2.8)	1.8 (1.2-2.4)	1.6 (1.0-2.1)	1.3 (0.9-1.8)
2	4.1 (2.3-6.7)	3.8 (2.1-6.4)	3.7 (2.0-6.3)	3.2 (1.7-5.5)	2.7 (1.5-4.8)	2.4 (1.3-4.1)	2.0 (1.1-3.6)
3	6.3 (3.4-10)	5.8 (3.0-10)	5.5 (2.7-9.8)	4.8 (2.3-8.5)	4.1 (2.0-7.4)	3.5 (1.7-6.4)	3.0 (1.5-5.6)
4	9.6 (5.4-15)	8.7 (4.8-14)	8.2 (4.4-13)	7.0 (3.7-12)	6.1 (3.2-10)	5.2 (2.7-8.7)	4.5 (2.3-7.5)
5	14 (8.7-19)	13 (8.3-17)	12 (8.1-16)	10 (6.9-14)	8.8 (6.0-12)	7.6 (5.1-10)	6.5 (4.4-9.1)
6	21	19	17	15	13	11	9.3

Age = 60 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	2.1	2.0	1.9	1.7	1.4	1.2	1.1
1	3.3 (2.3-4.8)	3.1 (2.1-4.3)	3.0 (2.0-4.0)	2.6 (1.7-3.5)	2.2 (1.5-3.0)	1.9 (1.3-2.5)	1.6 (1.1-2.2)
2	5.2 (3.1-8.1)	4.8 (2.7-7.7)	4.5 (2.5-7.6)	3.9 (2.1-6.6)	3.3 (1.8-5.7)	2.9 (1.6-4.9)	2.5 (1.3-4.3)
3	7.9 (4.7-12)	7.2 (4.0-12)	6.8 (3.6-12)	5.8 (3.0-10)	5.0 (2.6-8.7)	4.3 (2.2-7.5)	3.7 (1.9-6.5)
4	12 (7.4-18)	11 (6.4-17)	10 (5.8-16)	8.6 (4.8-14)	7.3 (4.1-12)	6.3 (3.4-10)	5.4 (2.9-8.8)
5	17 (11-23)	16 (11-21)	15 (10-20)	12 (8.6-17)	11 (7.4-14)	9.1 (6.3-12)	7.7 (5.4-11)
6	25	23	21	18	15	13	11

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

Age = 65 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	2.3	2.1	2.0	1.7	1.5	1.2	1.1
1	3.6 (2.6-5.0)	3.3 (2.3-4.4)	3.1 (2.1-4.1)	2.6 (1.8-3.5)	2.2 (1.5-2.9)	1.9 (1.3-2.5)	1.6 (1.1-2.1)
2	5.5 (3.5-8.1)	5.0 (3.0-7.7)	4.7 (2.7-7.5)	4.0 (2.3-6.4)	3.3 (1.9-5.5)	2.8 (1.6-4.7)	2.4 (1.4-4.1)
3	8.3 (5.3-12)	7.5 (4.6-12)	7.0 (4.0-11)	5.9 (3.3-9.7)	5.0 (2.8-8.3)	4.2 (2.3-7.1)	3.6 (1.9-6.1)
4	12 (8.1-18)	11 (7.3-17)	10 (6.4-16)	8.6 (5.3-13)	7.3 (4.4-11)	6.2 (3.6-9.8)	5.2 (3.0-8.4)
5	18 (12-23)	16 (11-21)	15 (11-20)	12 (8.9-17)	11 (7.5-14)	8.9 (6.3-12)	7.5 (5.3-10)
6	25	23	21	18	15	13	11

Age = 70 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	2.5	2.2	2.1	1.7	1.5	1.2	1.0
1	3.9 (2.8-5.0)	3.4 (2.5-4.4)	3.1 (2.2-4.0)	2.6 (1.8-3.4)	2.1 (1.5-2.8)	1.8 (1.3-2.4)	1.5 (1.1-2.0)
2	6.1 (3.9-9.2)	5.3 (3.4-7.8)	4.7 (2.9-6.8)	3.9 (2.4-5.6)	3.2 (2.0-4.7)	2.6 (1.6-3.9)	2.2 (1.4-3.3)
3	9.5 (5.7-14)	8.2 (5.1-12)	7.1 (4.5-11)	5.8 (3.6-8.8)	4.8 (3.0-7.2)	3.9 (2.4-6.0)	3.2 (2.0-4.9)
4	15 (9.3-21)	12 (8.1-18)	11 (7.0-16)	8.7 (5.7-13)	7.1 (4.6-11)	5.8 (3.7-8.8)	4.8 (3.0-7.3)
5	21 (17-28)	19 (15-24)	16 (13-21)	13 (10-17)	11 (8.2-14)	8.7 (6.6-12)	7.0 (5.3-9.5)
6	31	27	24	19	16	13	10

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

Age = 75 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	2.7	2.4	2.2	1.8	1.5	1.3	1.0
1	4.5 (3.0-7.2)	3.9 (2.7-5.8)	3.4 (2.4-4.5)	2.8 (2.0-3.6)	2.3 (1.6-2.9)	1.9 (1.3-2.3)	1.5 (1.1-1.9)
2	7.5 (4.3-13)	6.4 (3.7-10)	5.4 (3.2-8.1)	4.3 (2.6-6.5)	3.5 (2.1-5.2)	2.8 (1.7-4.2)	2.3 (1.4-3.4)
3	12 (6.2-20)	10 (5.5-16)	8.5 (4.9-13)	6.8 (3.9-10)	5.4 (3.2-8.2)	4.4 (2.5-6.6)	3.5 (2.0-5.3)
4	19 (10-28)	16 (8.9-24)	13 (7.8-20)	11 (6.2-16)	8.5 (4.9-13)	6.8 (3.9-10)	5.4 (3.1-8.2)
5	28 (17-37)	25 (15-32)	21 (14-27)	17 (11-22)	13 (8.7-18)	11 (7.0-14)	8.4 (5.6-11)
6	40	36	31	25	20	16	13

Age = 80 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	2.8	2.5	2.3	1.9	1.5	1.2	1.0
1	4.6 (3.0-7.7)	4.0 (2.7-6.4)	3.6 (2.5-5.1)	2.9 (2.0-4.0)	2.3 (1.6-3.2)	1.9 (1.3-2.5)	1.5 (1.0-2.0)
2	7.5 (4.4-13)	6.5 (3.9-10)	5.6 (3.4-8.3)	4.5 (2.7-6.6)	3.6 (2.2-5.2)	2.8 (1.7-4.1)	2.3 (1.4-3.3)
3	12 (6.3-19)	10 (5.6-16)	8.8 (5.1-13)	6.9 (4.0-10)	5.5 (3.2-8.2)	4.3 (2.5-6.5)	3.4 (2.0-5.1)
4	18 (9.7-26)	16 (8.7-22)	13 (8.1-19)	11 (6.4-15)	8.4 (5.0-12)	6.7 (3.9-9.7)	5.2 (3.1-7.7)
5	26 (16-34)	23 (14-30)	20 (13-26)	16 (10-21)	13 (7.9-17)	10 (6.3-14)	8.0 (5.0-11)
6	37	33	29	24	19	15	12

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

Age = 85 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	2.8	2.6	2.4	1.9	1.6	1.2	1.0
1	4.7 (3.1-8.0)	4.2 (2.8-6.8)	3.8 (2.6-5.7)	3.0 (2.0-4.5)	2.4 (1.6-3.5)	1.9 (1.3-2.7)	1.5 (1.0-2.1)
2	7.6 (4.4-13)	6.7 (3.9-11)	6.0 (3.6-9.3)	4.7 (2.8-7.3)	3.7 (2.2-5.7)	2.9 (1.7-4.4)	2.3 (1.4-3.4)
3	12 (6.4-19)	11 (5.6-17)	9.3 (5.1-14)	7.3 (4.0-11)	5.7 (3.1-8.9)	4.5 (2.4-7.0)	3.5 (1.9-5.5)
4	18 (9.7-26)	16 (8.7-23)	14 (8.1-20)	11 (6.3-16)	8.8 (5.0-13)	6.9 (3.9-10)	5.3 (3.0-7.9)
5	27 (16-34)	24 (14-31)	21 (13-27)	17 (10-22)	13 (7.9-18)	10 (6.2-14)	8.1 (4.8-11)
6	37	34	30	25	20	16	12

Age = 90 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	2.9	2.7	2.6	2.1	1.7	1.3	1.1
1	4.9 (3.2-8.5)	4.4 (2.9-7.2)	4.0 (2.7-6.1)	3.2 (2.1-4.8)	2.5 (1.7-3.7)	2.0 (1.3-2.9)	1.6 (1.0-2.2)
2	8.1 (4.6-14)	7.0 (4.1-12)	6.3 (3.8-9.9)	4.9 (2.9-7.7)	3.9 (2.3-6.0)	3.0 (1.8-4.7)	2.4 (1.4-3.6)
3	13 (6.8-20)	11 (5.9-17)	9.7 (5.3-15)	7.6 (4.1-12)	6.0 (3.2-9.4)	4.7 (2.5-7.4)	3.6 (1.9-5.8)
4	19 (10-28)	17 (9.1-24)	15 (8.3-21)	12 (6.5-17)	9.2 (5.1-13)	7.2 (4.0-10)	5.6 (3.1-8.2)
5	28 (16-36)	25 (15-32)	22 (13-29)	18 (10-23)	14 (8.1-19)	11 (6.4-15)	8.5 (5.0-12)
6	38	35	31	26	21	16	13