

**Ecuador - 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/m<sup>2</sup>), the number of clinical risk factors (CRF) and age. Each table provides a mean estimate and a range, based on the epidemiology of Ecuador. 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/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	0.5	0.4	0.4	0.4	0.3	0.3	0.3
1	0.8 (0.5-1.2)	0.7 (0.5-1.0)	0.7 (0.5-0.9)	0.6 (0.4-0.8)	0.5 (0.3-0.7)	0.4 (0.3-0.6)	0.4 (0.3-0.5)
2	1.2 (0.7-2.1)	1.1 (0.6-1.9)	1.0 (0.5-1.8)	0.9 (0.5-1.6)	0.8 (0.4-1.4)	0.7 (0.4-1.2)	0.6 (0.3-1.1)
3	2.0 (1.0-3.4)	1.7 (0.8-3.1)	1.6 (0.8-3.0)	1.4 (0.7-2.6)	1.2 (0.6-2.2)	1.0 (0.5-2.0)	0.9 (0.4-1.7)
4	3.1 (1.7-5.0)	2.7 (1.4-4.4)	2.4 (1.3-4.1)	2.1 (1.1-3.5)	1.8 (0.9-3.1)	1.6 (0.8-2.7)	1.4 (0.7-2.3)
5	4.9 (2.8-6.5)	4.1 (2.5-5.6)	3.7 (2.4-5.0)	3.2 (2.1-4.3)	2.7 (1.8-3.7)	2.3 (1.5-3.2)	2.0 (1.3-2.8)
6	7.6	6.3	5.5	4.7	4.0	3.4	3.0

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

Age = 55 years

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	0.5	0.5	0.5	0.4	0.4	0.3	0.3
1	0.9 (0.6-1.3)	0.8 (0.5-1.1)	0.7 (0.5-1.0)	0.6 (0.4-0.9)	0.6 (0.4-0.8)	0.5 (0.3-0.7)	0.4 (0.3-0.6)
2	1.4 (0.8-2.3)	1.2 (0.7-2.1)	1.1 (0.6-2.0)	1.0 (0.5-1.7)	0.9 (0.5-1.5)	0.7 (0.4-1.3)	0.6 (0.3-1.1)
3	2.3 (1.2-3.8)	2.0 (1.0-3.4)	1.8 (0.9-3.2)	1.5 (0.7-2.7)	1.3 (0.6-2.4)	1.1 (0.5-2.1)	1.0 (0.5-1.8)
4	3.6 (2.0-5.6)	3.0 (1.7-4.9)	2.7 (1.5-4.4)	2.3 (1.2-3.8)	2.0 (1.0-3.3)	1.7 (0.9-2.8)	1.4 (0.8-2.4)
5	5.7 (3.4-7.4)	4.7 (2.9-6.2)	4.1 (2.7-5.5)	3.4 (2.3-4.7)	2.9 (2.0-4.0)	2.5 (1.7-3.5)	2.2 (1.4-3.0)
6	8.8	7.1	6.1	5.1	4.4	3.7	3.2

Age = 60 years

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	0.7	0.6	0.5	0.5	0.4	0.3	0.3
1	1.0 (0.7-1.5)	0.9 (0.6-1.3)	0.8 (0.6-1.1)	0.7 (0.5-1.0)	0.6 (0.4-0.8)	0.5 (0.4-0.7)	0.5 (0.3-0.6)
2	1.7 (1.0-2.6)	1.4 (0.8-2.3)	1.3 (0.7-2.1)	1.1 (0.6-1.8)	0.9 (0.5-1.6)	0.8 (0.4-1.4)	0.7 (0.4-1.2)
3	2.7 (1.6-4.2)	2.2 (1.2-3.7)	2.0 (1.0-3.4)	1.7 (0.9-3.0)	1.4 (0.7-2.5)	1.2 (0.6-2.2)	1.0 (0.5-1.9)
4	4.2 (2.5-6.3)	3.5 (2.1-5.4)	3.0 (1.8-4.8)	2.6 (1.5-4.1)	2.2 (1.2-3.5)	1.8 (1.0-3.0)	1.6 (0.9-2.6)
5	6.5 (4.1-8.5)	5.3 (3.5-7.0)	4.5 (3.1-6.1)	3.8 (2.6-5.2)	3.2 (2.2-4.4)	2.7 (1.9-3.7)	2.3 (1.6-3.2)
6	10	8.1	6.8	5.7	4.8	4.0	3.4

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

**Age = 65 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	0.8	0.7	0.7	0.6	0.5	0.4	0.4
1	1.3 (1.0-1.8)	1.2 (0.8-1.6)	1.0 (0.7-1.4)	0.9 (0.6-1.2)	0.8 (0.5-1.0)	0.6 (0.4-0.8)	0.5 (0.4-0.7)
2	2.1 (1.3-3.0)	1.8 (1.1-2.7)	1.6 (0.9-2.6)	1.4 (0.8-2.2)	1.1 (0.7-1.9)	1.0 (0.6-1.6)	0.8 (0.5-1.4)
3	3.3 (2.1-4.8)	2.8 (1.7-4.3)	2.4 (1.4-4.1)	2.1 (1.1-3.5)	1.7 (1.0-2.9)	1.5 (0.8-2.5)	1.2 (0.7-2.2)
4	5.0 (3.3-7.3)	4.2 (2.7-6.4)	3.7 (2.3-5.8)	3.1 (1.9-4.9)	2.6 (1.6-4.1)	2.2 (1.3-3.5)	1.8 (1.1-3.0)
5	7.7 (5.2-9.9)	6.4 (4.4-8.4)	5.5 (3.9-7.3)	4.6 (3.3-6.2)	3.8 (2.7-5.2)	3.2 (2.3-4.4)	2.7 (1.9-3.7)
6	11	9.5	8.1	6.8	5.6	4.7	3.9

**Age = 70 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	1.2	1.1	1.0	0.8	0.7	0.6	0.5
1	1.9 (1.4-2.4)	1.6 (1.2-2.1)	1.4 (1.0-1.9)	1.2 (0.9-1.6)	1.0 (0.7-1.3)	0.8 (0.6-1.1)	0.7 (0.5-1.0)
2	3.0 (1.9-4.5)	2.5 (1.6-3.7)	2.2 (1.4-3.1)	1.8 (1.1-2.6)	1.5 (0.9-2.2)	1.3 (0.8-1.8)	1.1 (0.6-1.5)
3	4.8 (3.0-7.2)	4.0 (2.5-6.0)	3.3 (2.1-5.1)	2.7 (1.7-4.2)	2.3 (1.4-3.5)	1.9 (1.1-2.9)	1.6 (0.9-2.4)
4	7.7 (4.9-11)	6.2 (4.1-9.3)	5.1 (3.4-7.7)	4.2 (2.7-6.3)	3.4 (2.2-5.2)	2.8 (1.8-4.3)	2.3 (1.5-3.5)
5	12 (9.5-16)	9.8 (7.7-13)	7.9 (6.2-10)	6.4 (5.0-8.4)	5.2 (4.0-6.9)	4.2 (3.2-5.7)	3.5 (2.6-4.6)
6	18	15	12	9.8	7.9	6.4	5.2

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

**Age = 75 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	1.8	1.6	1.4	1.1	1.0	0.8	0.7
1	3.0 (2.0-4.7)	2.5 (1.7-3.6)	2.1 (1.5-2.7)	1.8 (1.2-2.2)	1.4 (1.0-1.8)	1.2 (0.8-1.5)	1.0 (0.7-1.2)
2	5.0 (2.9-8.3)	4.1 (2.4-6.5)	3.4 (2.0-4.9)	2.7 (1.7-4.0)	2.2 (1.4-3.2)	1.8 (1.1-2.6)	1.5 (0.9-2.1)
3	8.3 (4.2-14)	6.8 (3.7-11)	5.4 (3.2-8.3)	4.3 (2.6-6.6)	3.5 (2.1-5.3)	2.8 (1.7-4.2)	2.3 (1.4-3.4)
4	13 (6.9-20)	11 (6.0-17)	8.7 (5.1-13)	6.9 (4.1-10)	5.5 (3.3-8.4)	4.4 (2.6-6.7)	3.5 (2.1-5.3)
5	20 (12-27)	17 (11-23)	14 (9.1-18)	11 (7.3-15)	8.8 (5.8-12)	6.9 (4.7-9.3)	5.5 (3.8-7.4)
6	30	26	22	17	14	11	8.7

**Age = 80 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	2.5	2.2	1.9	1.6	1.3	1.0	0.9
1	4.1 (2.8-7.0)	3.6 (2.4-5.6)	3.0 (2.1-4.3)	2.4 (1.7-3.4)	2.0 (1.4-2.7)	1.6 (1.1-2.1)	1.3 (0.9-1.7)
2	6.8 (3.9-11)	5.8 (3.5-9.2)	4.8 (2.9-7.0)	3.8 (2.3-5.6)	3.1 (1.9-4.4)	2.4 (1.5-3.5)	2.0 (1.2-2.8)
3	11 (5.6-17)	9.2 (5.1-14)	7.6 (4.5-11)	6.0 (3.6-9.0)	4.8 (2.8-7.0)	3.8 (2.2-5.5)	3.0 (1.8-4.4)
4	16 (8.6-24)	14 (7.9-21)	12 (7.2-17)	9.5 (5.7-14)	7.5 (4.5-11)	5.9 (3.5-8.6)	4.6 (2.8-6.8)
5	24 (14-31)	21 (13-28)	18 (11-24)	15 (9.0-19)	12 (7.1-15)	9.1 (5.7-12)	7.1 (4.5-9.6)
6	33	31	27	22	17	14	11

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

**Age = 85 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	3.3	3.0	2.7	2.2	1.7	1.4	1.1
1	5.6 (3.6-9.6)	4.9 (3.3-8.2)	4.3 (3.0-6.6)	3.4 (2.3-5.2)	2.7 (1.8-4.1)	2.2 (1.5-3.2)	1.7 (1.2-2.5)
2	9.0 (5.1-16)	8.0 (4.6-13)	6.9 (4.2-11)	5.4 (3.3-8.5)	4.3 (2.6-6.6)	3.4 (2.0-5.2)	2.6 (1.6-4.0)
3	14 (7.3-22)	12 (6.7-20)	11 (6.1-16)	8.6 (4.7-13)	6.7 (3.7-10)	5.3 (2.9-8.1)	4.1 (2.2-6.4)
4	21 (11-30)	19 (10-27)	17 (9.5-24)	13 (7.4-19)	10 (5.8-15)	8.1 (4.6-12)	6.3 (3.6-9.3)
5	30 (18-38)	27 (16-35)	24 (15-31)	20 (12-26)	16 (9.2-21)	12 (7.3-17)	9.7 (5.7-13)
6	40	37	34	28	23	18	14

**Age = 90 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	4.4	4.0	3.7	2.9	2.3	1.9	1.5
1	7.3 (4.8-13)	6.5 (4.3-11)	5.9 (4.0-9.2)	4.6 (3.1-7.2)	3.7 (2.4-5.6)	2.9 (1.9-4.3)	2.3 (1.5-3.4)
2	12 (6.8-20)	10 (6.0-17)	9.3 (5.6-15)	7.3 (4.3-12)	5.7 (3.4-9.1)	4.5 (2.6-7.1)	3.5 (2.0-5.5)
3	18 (9.8-28)	16 (8.7-25)	14 (7.9-22)	11 (6.1-17)	8.9 (4.7-14)	6.9 (3.7-11)	5.4 (2.8-8.6)
4	26 (15-37)	24 (13-33)	21 (12-29)	17 (9.5-24)	13 (7.4-19)	11 (5.8-15)	8.3 (4.5-12)
5	36 (23-45)	33 (20-42)	30 (19-38)	25 (15-32)	20 (12-26)	16 (9.2-21)	13 (7.2-17)
6	48	44	41	35	28	23	18