

Venezuela - 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 Venezuela. 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 ²)						
	15	20	25	30	35	40	45
0	0.6	0.6	0.6	0.5	0.4	0.4	0.3
1	1.0 (0.7-1.5)	1.0 (0.6-1.4)	0.9 (0.6-1.3)	0.8 (0.5-1.1)	0.7 (0.5-1.0)	0.6 (0.4-0.8)	0.5 (0.3-0.7)
2	1.6 (0.9-2.8)	1.5 (0.8-2.6)	1.4 (0.8-2.5)	1.2 (0.6-2.2)	1.1 (0.6-1.9)	0.9 (0.5-1.7)	0.8 (0.4-1.5)
3	2.6 (1.3-4.5)	2.3 (1.1-4.2)	2.2 (1.0-4.1)	1.9 (0.9-3.5)	1.6 (0.8-3.1)	1.4 (0.7-2.7)	1.2 (0.6-2.3)
4	4.0 (2.1-6.4)	3.5 (1.8-5.9)	3.3 (1.7-5.6)	2.9 (1.5-4.8)	2.5 (1.3-4.2)	2.1 (1.1-3.6)	1.9 (0.9-3.2)
5	6.1 (3.6-8.2)	5.4 (3.4-7.3)	4.9 (3.2-6.8)	4.3 (2.8-5.9)	3.7 (2.4-5.1)	3.2 (2.1-4.4)	2.7 (1.8-3.8)
6	9.4	8.0	7.3	6.2	5.4	4.6	4.0

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

Age = 55 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	0.9	0.8	0.8	0.7	0.6	0.5	0.4
1	1.4 (0.9-2.0)	1.3 (0.9-1.8)	1.2 (0.8-1.7)	1.1 (0.7-1.4)	0.9 (0.6-1.2)	0.8 (0.5-1.1)	0.7 (0.5-0.9)
2	2.2 (1.2-3.6)	2.0 (1.1-3.3)	1.9 (1.0-3.2)	1.6 (0.9-2.8)	1.4 (0.7-2.4)	1.2 (0.6-2.1)	1.0 (0.6-1.9)
3	3.5 (1.8-5.8)	3.1 (1.6-5.4)	2.9 (1.4-5.2)	2.5 (1.2-4.5)	2.1 (1.0-3.9)	1.8 (0.9-3.4)	1.6 (0.8-2.9)
4	5.4 (3.1-8.4)	4.7 (2.6-7.6)	4.3 (2.3-7.1)	3.7 (2.0-6.1)	3.2 (1.7-5.3)	2.7 (1.4-4.6)	2.4 (1.2-4.0)
5	8.2 (5.0-11)	7.1 (4.5-9.5)	6.4 (4.3-8.7)	5.5 (3.7-7.5)	4.7 (3.2-6.5)	4.0 (2.7-5.6)	3.5 (2.3-4.8)
6	12	11	9.4	8.0	6.9	5.9	5.0

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	1.2	1.1	1.1	0.9	0.8	0.7	0.6
1	2.0 (1.4-2.8)	1.8 (1.2-2.5)	1.7 (1.1-2.3)	1.4 (1.0-2.0)	1.2 (0.8-1.7)	1.1 (0.7-1.4)	0.9 (0.6-1.2)
2	3.1 (1.8-4.8)	2.8 (1.6-4.5)	2.6 (1.4-4.3)	2.2 (1.2-3.7)	1.9 (1.0-3.2)	1.6 (0.9-2.8)	1.4 (0.8-2.4)
3	4.9 (2.8-7.6)	4.3 (2.3-7.1)	3.9 (2.0-6.8)	3.4 (1.7-5.9)	2.9 (1.5-5.1)	2.5 (1.3-4.4)	2.1 (1.1-3.8)
4	7.4 (4.6-11)	6.5 (3.9-10)	5.9 (3.4-9.4)	5.0 (2.8-8.1)	4.3 (2.4-7.0)	3.6 (2.0-6.0)	3.1 (1.7-5.2)
5	11 (7.2-15)	9.7 (6.4-13)	8.7 (6.0-12)	7.4 (5.1-10)	6.3 (4.3-8.6)	5.3 (3.7-7.3)	4.6 (3.1-6.3)
6	17	14	13	11	9.1	7.7	6.6

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

Age = 65 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	1.7	1.5	1.4	1.2	1.0	0.9	0.8
1	2.7 (1.9-3.7)	2.4 (1.7-3.2)	2.2 (1.5-2.9)	1.9 (1.3-2.5)	1.6 (1.1-2.1)	1.4 (0.9-1.8)	1.2 (0.8-1.5)
2	4.2 (2.7-6.1)	3.7 (2.2-5.6)	3.4 (2.0-5.4)	2.9 (1.6-4.6)	2.4 (1.4-4.0)	2.1 (1.2-3.4)	1.8 (1.0-2.9)
3	6.4 (4.2-9.4)	5.6 (3.4-8.8)	5.1 (2.9-8.4)	4.3 (2.4-7.2)	3.6 (2.0-6.1)	3.1 (1.7-5.3)	2.6 (1.4-4.5)
4	9.7 (6.4-14)	8.4 (5.6-13)	7.6 (4.7-12)	6.4 (3.9-10)	5.4 (3.2-8.5)	4.5 (2.7-7.3)	3.9 (2.2-6.2)
5	14 (9.9-18)	12 (8.8-16)	11 (7.9-15)	9.3 (6.7-12)	7.9 (5.6-11)	6.6 (4.7-9.0)	5.6 (4.0-7.7)
6	20	18	16	13	11	9.5	8.0

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	2.4	2.1	1.9	1.6	1.3	1.1	1.0
1	3.8 (2.7-4.8)	3.3 (2.3-4.2)	2.9 (2.1-3.7)	2.4 (1.7-3.1)	2.0 (1.4-2.6)	1.7 (1.2-2.2)	1.4 (1.0-1.9)
2	6.0 (3.8-8.9)	5.1 (3.2-7.3)	4.3 (2.7-6.2)	3.6 (2.2-5.2)	3.0 (1.9-4.3)	2.5 (1.5-3.6)	2.1 (1.3-3.0)
3	9.4 (5.8-14)	7.8 (5.0-12)	6.6 (4.1-10)	5.4 (3.4-8.3)	4.5 (2.8-6.8)	3.7 (2.3-5.7)	3.1 (1.9-4.7)
4	14 (9.3-21)	12 (8.0-18)	10 (6.7-15)	8.2 (5.4-12)	6.7 (4.4-10)	5.5 (3.6-8.4)	4.5 (2.9-6.9)
5	21 (17-28)	18 (15-24)	15 (12-20)	12 (9.8-16)	10 (7.9-13)	8.3 (6.4-11)	6.8 (5.2-9.1)
6	31	27	23	19	15	12	10

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

Age = 75 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	3.5	3.0	2.6	2.2	1.8	1.5	1.2
1	5.8 (3.9-9.2)	4.9 (3.3-7.2)	4.1 (2.9-5.4)	3.3 (2.4-4.3)	2.7 (1.9-3.5)	2.2 (1.6-2.8)	1.8 (1.3-2.3)
2	9.6 (5.5-16)	8.0 (4.7-13)	6.5 (3.9-9.7)	5.3 (3.2-7.8)	4.2 (2.6-6.3)	3.4 (2.1-5.0)	2.8 (1.7-4.1)
3	15 (8.0-25)	13 (7.1-20)	10 (6.1-16)	8.3 (4.9-13)	6.7 (4.0-10)	5.4 (3.2-8.1)	4.3 (2.5-6.5)
4	23 (13-33)	20 (11-29)	16 (9.7-24)	13 (7.7-20)	11 (6.2-16)	8.4 (4.9-13)	6.7 (3.9-10)
5	33 (21-42)	30 (19-38)	25 (17-32)	20 (13-27)	16 (11-22)	13 (8.8-17)	10 (7.1-14)
6	45	42	37	31	25	20	16

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	4.6	4.0	3.6	2.9	2.4	1.9	1.6
1	7.6 (5.1-13)	6.6 (4.5-10)	5.6 (4.0-8.1)	4.5 (3.2-6.4)	3.7 (2.5-5.1)	2.9 (2.0-4.0)	2.4 (1.6-3.2)
2	12 (7.2-20)	10 (6.4-17)	8.9 (5.5-13)	7.1 (4.4-10)	5.7 (3.5-8.2)	4.5 (2.8-6.5)	3.6 (2.2-5.2)
3	19 (10-28)	16 (9.2-24)	14 (8.2-20)	11 (6.5-16)	8.8 (5.1-13)	7.0 (4.1-10)	5.5 (3.2-8.1)
4	27 (15-37)	24 (14-33)	21 (13-29)	17 (10-24)	13 (8.1-19)	11 (6.4-15)	8.4 (5.0-12)
5	37 (24-46)	34 (22-43)	30 (20-38)	25 (16-32)	20 (13-26)	16 (10-21)	13 (8.0-17)
6	49	46	42	35	29	24	19

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

Age = 85 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	5.7	5.3	4.9	4.0	3.2	2.6	2.1
1	9.3 (6.2-15)	8.4 (5.7-13)	7.7 (5.3-11)	6.1 (4.2-8.9)	4.9 (3.3-7.0)	3.9 (2.7-5.5)	3.1 (2.1-4.3)
2	15 (8.6-24)	13 (7.8-21)	12 (7.3-18)	9.4 (5.8-14)	7.5 (4.6-11)	5.9 (3.6-8.9)	4.7 (2.9-7.0)
3	22 (12-33)	20 (11-30)	18 (10-26)	14 (8.1-21)	11 (6.3-17)	9.0 (5.0-14)	7.1 (3.9-11)
4	31 (18-42)	28 (17-39)	26 (16-35)	21 (13-29)	17 (10-24)	13 (7.9-19)	11 (6.2-15)
5	42 (27-51)	39 (25-47)	36 (23-44)	30 (19-38)	24 (15-31)	20 (12-26)	16 (9.7-21)
6	53	50	47	40	34	28	23

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	6.9	6.5	6.4	5.1	4.1	3.3	2.7
1	11 (7.5-18)	10 (6.9-16)	9.7 (6.6-14)	7.8 (5.2-11)	6.2 (4.1-9.0)	4.9 (3.3-7.1)	3.9 (2.6-5.6)
2	17 (10-28)	16 (9.4-25)	15 (9.0-22)	12 (7.1-18)	9.3 (5.6-14)	7.4 (4.4-11)	5.9 (3.4-8.9)
3	25 (15-38)	23 (13-34)	21 (12-32)	17 (9.8-26)	14 (7.7-21)	11 (6.0-17)	8.7 (4.7-14)
4	35 (21-47)	32 (19-44)	30 (19-40)	25 (15-34)	20 (12-28)	16 (9.5-23)	13 (7.4-19)
5	46 (31-55)	43 (29-52)	40 (27-49)	34 (22-42)	28 (18-36)	23 (14-30)	19 (12-25)
6	56	54	52	45	38	32	26