

Argentina - 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 Argentina. 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	0.9	0.8	0.8	0.7	0.6	0.5	0.5
1	1.4 (0.9-2.1)	1.3 (0.9-1.9)	1.3 (0.8-1.8)	1.1 (0.7-1.5)	1.0 (0.6-1.3)	0.8 (0.6-1.1)	0.7 (0.5-1.0)
2	2.2 (1.2-3.7)	2.0 (1.1-3.5)	1.9 (1.0-3.4)	1.7 (0.9-3.0)	1.5 (0.8-2.6)	1.3 (0.7-2.3)	1.1 (0.6-2.0)
3	3.5 (1.7-6.1)	3.1 (1.5-5.7)	3.0 (1.4-5.5)	2.6 (1.2-4.8)	2.2 (1.0-4.2)	1.9 (0.9-3.6)	1.7 (0.8-3.2)
4	5.4 (2.9-8.6)	4.8 (2.5-7.9)	4.5 (2.3-7.5)	3.9 (2.0-6.5)	3.3 (1.7-5.6)	2.9 (1.5-4.9)	2.5 (1.3-4.3)
5	8.3 (4.9-11)	7.2 (4.5-9.8)	6.6 (4.4-9.1)	5.7 (3.8-7.9)	4.9 (3.3-6.8)	4.3 (2.8-5.9)	3.7 (2.5-5.1)
6	13	11	9.7	8.4	7.2	6.2	5.4

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

Age = 55 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	1.1	1.1	1.0	0.9	0.8	0.7	0.6
1	1.7 (1.2-2.6)	1.6 (1.1-2.4)	1.6 (1.1-2.2)	1.4 (0.9-1.9)	1.2 (0.8-1.6)	1.0 (0.7-1.4)	0.9 (0.6-1.2)
2	2.7 (1.5-4.5)	2.6 (1.4-4.3)	2.5 (1.3-4.3)	2.1 (1.1-3.7)	1.8 (1.0-3.2)	1.6 (0.8-2.8)	1.4 (0.7-2.4)
3	4.3 (2.3-7.0)	3.9 (2.0-6.8)	3.7 (1.9-6.7)	3.2 (1.6-5.8)	2.7 (1.4-5.0)	2.4 (1.2-4.3)	2.0 (1.0-3.7)
4	6.6 (3.7-10)	5.9 (3.3-9.5)	5.6 (3.0-9.1)	4.8 (2.5-7.9)	4.1 (2.1-6.8)	3.5 (1.8-5.8)	3.0 (1.5-5.0)
5	9.9 (5.9-13)	8.9 (5.6-12)	8.2 (5.5-11)	7.0 (4.7-9.6)	6.0 (4.0-8.3)	5.1 (3.4-7.1)	4.4 (2.9-6.1)
6	15	13	12	10	8.7	7.4	6.3

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	2.1	2.0	2.0	1.7	1.5	1.3	1.1
1	3.4 (2.3-4.9)	3.1 (2.1-4.4)	3.0 (2.1-4.1)	2.6 (1.8-3.5)	2.2 (1.5-3.0)	1.9 (1.3-2.6)	1.6 (1.1-2.2)
2	5.2 (3.1-8.2)	4.8 (2.8-7.8)	4.6 (2.6-7.7)	3.9 (2.2-6.6)	3.4 (1.8-5.7)	2.9 (1.6-5.0)	2.5 (1.3-4.3)
3	8.0 (4.8-12)	7.3 (4.1-12)	6.9 (3.7-12)	5.9 (3.1-10)	5.0 (2.6-8.7)	4.3 (2.2-7.5)	3.7 (1.9-6.5)
4	12 (7.4-18)	11 (6.5-17)	10 (5.9-16)	8.7 (4.9-14)	7.4 (4.1-12)	6.3 (3.4-10)	5.4 (2.9-8.8)
5	17 (11-23)	16 (11-21)	15 (10-20)	13 (8.6-17)	11 (7.4-15)	9.1 (6.3-13)	7.7 (5.3-11)
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 Argentina.

Age = 65 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	3.7	3.5	3.3	2.8	2.4	2.1	1.8
1	5.6 (4.0-7.8)	5.3 (3.7-7.1)	5.1 (3.5-6.7)	4.3 (3.0-5.7)	3.7 (2.5-4.8)	3.1 (2.1-4.1)	2.7 (1.8-3.5)
2	8.5 (5.4-12)	7.9 (4.8-12)	7.6 (4.4-12)	6.4 (3.7-10)	5.5 (3.1-9.0)	4.7 (2.6-7.8)	4.0 (2.2-6.7)
3	12 (7.8-18)	12 (7.3-18)	11 (6.5-18)	9.5 (5.4-15)	8.0 (4.5-13)	6.8 (3.8-11)	5.8 (3.2-9.7)
4	18 (12-25)	17 (11-24)	16 (10-24)	14 (8.3-21)	12 (6.9-18)	9.8 (5.7-15)	8.3 (4.7-13)
5	25 (17-31)	24 (17-30)	23 (16-29)	19 (14-25)	16 (12-22)	14 (9.9-19)	12 (8.3-16)
6	33	32	31	26	22	19	16

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	5.0	4.6	4.2	3.6	3.0	2.5	2.2
1	7.8 (5.6-9.9)	6.9 (5.0-8.8)	6.3 (4.5-8.1)	5.3 (3.8-6.8)	4.4 (3.2-5.8)	3.7 (2.6-4.9)	3.1 (2.2-4.1)
2	12 (7.7-17)	10 (6.7-15)	9.3 (5.9-13)	7.8 (4.9-11)	6.5 (4.1-9.4)	5.4 (3.4-7.9)	4.5 (2.8-6.7)
3	18 (11-26)	16 (10-22)	14 (8.8-20)	11 (7.3-17)	9.5 (6.0-14)	7.9 (4.9-12)	6.6 (4.1-10)
4	26 (18-36)	23 (16-32)	20 (14-29)	17 (11-24)	14 (9.2-20)	12 (7.5-17)	9.6 (6.2-14)
5	36 (30-45)	33 (27-41)	29 (23-37)	24 (19-31)	20 (16-26)	17 (13-22)	14 (11-18)
6	48	44	40	34	29	24	20

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

Age = 75 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	5.3	4.7	4.3	3.5	2.9	2.4	2.0
1	8.8 (5.9-14)	7.6 (5.2-11)	6.6 (4.7-8.8)	5.4 (3.8-7.0)	4.4 (3.1-5.6)	3.6 (2.5-4.5)	3.0 (2.1-3.6)
2	14 (8.4-23)	12 (7.3-19)	10 (6.3-15)	8.4 (5.1-12)	6.8 (4.1-10)	5.5 (3.3-8.1)	4.5 (2.7-6.5)
3	22 (12-34)	19 (11-29)	16 (9.6-24)	13 (7.7-19)	10 (6.2-16)	8.4 (5.0-13)	6.8 (4.0-10)
4	32 (19-44)	28 (17-40)	24 (15-35)	20 (12-29)	16 (9.5-24)	13 (7.6-19)	10 (6.1-15)
5	44 (30-54)	40 (27-50)	35 (24-44)	29 (20-38)	24 (16-31)	20 (13-26)	16 (11-21)
6	57	53	49	42	35	29	24

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	6.0	5.4	5.0	4.1	3.3	2.7	2.2
1	9.9 (6.7-16)	8.7 (6.0-14)	7.7 (5.4-11)	6.2 (4.3-8.8)	5.0 (3.5-7.0)	4.0 (2.8-5.5)	3.3 (2.2-4.4)
2	16 (9.6-25)	14 (8.4-22)	12 (7.4-18)	9.6 (5.9-14)	7.6 (4.7-11)	6.1 (3.8-8.9)	4.9 (3.0-7.1)
3	23 (14-35)	21 (12-31)	18 (11-26)	15 (8.5-21)	12 (6.8-17)	9.3 (5.3-14)	7.4 (4.2-11)
4	34 (20-45)	30 (18-40)	26 (17-36)	22 (13-30)	17 (11-25)	14 (8.4-20)	11 (6.6-16)
5	45 (30-54)	41 (27-50)	37 (25-46)	31 (20-39)	25 (16-32)	21 (13-27)	16 (10-22)
6	57	53	49	42	35	29	24

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

Age = 85 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	7.1	6.6	6.3	5.1	4.1	3.3	2.7
1	12 (7.8-19)	10 (7.1-16)	9.7 (6.7-14)	7.7 (5.3-11)	6.2 (4.2-8.9)	5.0 (3.4-7.0)	4.0 (2.7-5.5)
2	18 (11-29)	16 (9.8-25)	15 (9.1-22)	12 (7.2-18)	9.3 (5.7-14)	7.5 (4.5-11)	5.9 (3.6-8.8)
3	26 (16-39)	24 (14-35)	21 (13-31)	17 (10-26)	14 (7.9-21)	11 (6.2-17)	8.8 (4.9-14)
4	37 (23-49)	33 (20-44)	30 (19-41)	25 (15-34)	20 (12-28)	16 (9.8-23)	13 (7.7-19)
5	48 (33-57)	45 (30-54)	41 (28-50)	35 (23-43)	29 (19-37)	24 (15-30)	19 (12-25)
6	59	57	53	46	39	33	27

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	8.4	7.8	7.5	6.0	4.8	3.9	3.1
1	14 (9.3-22)	12 (8.4-19)	11 (7.9-17)	9.2 (6.2-13)	7.3 (5.0-11)	5.9 (3.9-8.4)	4.7 (3.1-6.6)
2	21 (13-33)	19 (12-29)	17 (11-26)	14 (8.6-21)	11 (6.8-17)	8.8 (5.3-13)	7.0 (4.2-10)
3	30 (18-43)	27 (16-39)	25 (15-36)	20 (12-30)	16 (9.3-25)	13 (7.3-20)	10 (5.8-16)
4	41 (26-53)	37 (24-49)	34 (22-45)	29 (18-39)	24 (14-32)	19 (11-27)	15 (9.1-22)
5	51 (37-59)	49 (34-57)	46 (32-54)	39 (26-48)	33 (21-41)	27 (17-35)	22 (14-29)
6	60	59	57	51	44	37	31