

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 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 Argentina. 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	7.8	4.8	3.1	2.1	1.6	1.2	1.0	0.9	0.8	0.7	0.7
1	12 (9.9-16)	7.4 (6.5-9.6)	4.8 (4.2-6.1)	3.3 (2.7-4.2)	2.4 (1.8-3.1)	1.9 (1.4-2.4)	1.5 (1.1-2.0)	1.3 (0.9-1.8)	1.2 (0.8-1.6)	1.1 (0.7-1.6)	1.1 (0.7-1.5)
2	18 (13-26)	11 (8.6-16)	7.3 (5.7-10)	5.0 (3.7-7.1)	3.6 (2.4-5.3)	2.8 (1.7-4.4)	2.3 (1.3-3.8)	1.9 (1.1-3.3)	1.7 (0.9-3.0)	1.6 (0.9-2.9)	1.6 (0.8-2.8)
3	27 (18-37)	17 (12-23)	11 (7.7-15)	7.4 (5.0-11)	5.4 (3.3-8.6)	4.1 (2.3-7.1)	3.4 (1.7-6.1)	2.8 (1.4-5.3)	2.5 (1.2-4.8)	2.4 (1.1-4.6)	2.3 (1.0-4.5)
4	38 (26-49)	24 (16-32)	16 (10-20)	11 (7.0-14)	7.9 (5.1-11)	6.0 (3.9-9.2)	4.9 (2.9-7.9)	4.1 (2.3-6.8)	3.6 (1.9-6.2)	3.4 (1.8-6.0)	3.3 (1.7-5.7)
5	51 (41-61)	34 (26-41)	23 (17-27)	16 (12-18)	11 (8.4-14)	8.6 (6.4-11)	6.9 (5.1-9.4)	5.8 (4.3-8.1)	5.1 (3.7-7.4)	4.8 (3.3-7.0)	4.6 (3.1-6.7)
6	65	46	32	22	16	12	9.6	8.0	7.1	6.7	6.4

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

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	9.3	5.9	3.9	2.7	2.0	1.5	1.3	1.0	0.9	0.9	0.8
1	14 (12-17)	8.9 (8.0-11)	5.9 (5.1-7.3)	4.1 (3.4-5.0)	3.0 (2.3-3.7)	2.3 (1.7-2.9)	1.9 (1.3-2.4)	1.6 (1.0-2.1)	1.4 (0.9-1.9)	1.3 (0.8-1.8)	1.2 (0.8-1.7)
2	20 (16-27)	13 (10-18)	8.7 (6.9-12)	6.1 (4.6-8.3)	4.4 (3.1-6.3)	3.4 (2.2-5.2)	2.7 (1.6-4.4)	2.3 (1.3-3.8)	2.0 (1.1-3.5)	1.9 (1.0-3.3)	1.8 (0.9-3.2)
3	29 (21-37)	19 (14-24)	13 (9.3-17)	8.8 (6.3-13)	6.4 (4.2-10)	4.9 (2.9-8.2)	4.0 (2.2-6.9)	3.3 (1.7-6.0)	2.9 (1.4-5.5)	2.7 (1.3-5.2)	2.6 (1.2-4.9)
4	39 (29-47)	27 (19-33)	18 (13-22)	13 (8.6-16)	9.2 (6.3-13)	7.0 (4.8-11)	5.6 (3.5-8.9)	4.7 (2.7-7.7)	4.2 (2.3-7.0)	3.9 (2.1-6.7)	3.7 (1.9-6.3)
5	50 (42-57)	36 (29-42)	25 (20-28)	18 (14-21)	13 (10-16)	9.9 (7.6-13)	7.9 (6.0-11)	6.5 (4.9-9.1)	5.8 (4.2-8.3)	5.4 (3.7-7.9)	5.1 (3.4-7.5)
6	61	46	34	24	18	14	11	8.9	7.9	7.3	6.9

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	13	9.1	6.3	4.6	3.5	2.7	2.2	1.8	1.7	1.5	1.4
1	19 (17-22)	13 (12-16)	9.3 (8.0-11)	6.8 (5.5-8.1)	5.1 (4.0-6.1)	4.0 (2.9-5.0)	3.3 (2.3-4.2)	2.7 (1.8-3.6)	2.5 (1.6-3.4)	2.3 (1.5-3.2)	2.1 (1.3-3.0)
2	27 (22-34)	19 (15-24)	13 (11-17)	9.8 (7.5-13)	7.4 (5.3-10)	5.8 (3.8-8.7)	4.7 (2.9-7.4)	3.9 (2.3-6.3)	3.5 (2.0-5.9)	3.3 (1.8-5.5)	3.0 (1.6-5.2)
3	36 (28-44)	26 (20-32)	19 (15-25)	14 (10-20)	11 (7.1-16)	8.3 (5.1-13)	6.7 (3.9-11)	5.6 (3.0-9.7)	5.0 (2.6-9.0)	4.6 (2.3-8.5)	4.3 (2.1-8.0)
4	46 (37-54)	35 (27-41)	26 (19-31)	19 (14-25)	15 (11-20)	12 (8.1-17)	9.3 (6.1-14)	7.8 (4.7-12)	7.0 (4.0-12)	6.5 (3.6-11)	6.0 (3.2-10)
5	57 (50-62)	45 (38-49)	34 (29-39)	26 (21-31)	20 (16-25)	16 (13-21)	13 (10-17)	11 (8.2-15)	9.6 (7.0-14)	8.8 (6.2-13)	8.2 (5.6-12)
6	66	55	44	34	26	21	17	14	13	12	11

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

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	17	12	9.1	6.9	5.3	4.2	3.4	2.9	2.6	2.4	2.2
1	24 (22-27)	17 (15-20)	13 (11-15)	9.9 (8.0-11)	7.7 (5.9-9.1)	6.1 (4.5-7.6)	4.9 (3.5-6.4)	4.2 (2.9-5.6)	3.8 (2.5-5.2)	3.4 (2.2-4.8)	3.1 (2.0-4.5)
2	32 (26-38)	24 (20-29)	18 (15-22)	14 (11-18)	11 (7.9-15)	8.6 (5.9-13)	7.0 (4.5-11)	5.9 (3.6-9.3)	5.3 (3.1-8.6)	4.9 (2.7-8.0)	4.5 (2.4-7.5)
3	41 (33-47)	32 (26-38)	24 (20-31)	19 (14-26)	15 (11-22)	12 (7.8-18)	9.7 (6.0-16)	8.3 (4.8-14)	7.4 (4.1-13)	6.8 (3.5-12)	6.2 (3.2-11)
4	50 (42-56)	40 (33-46)	32 (25-39)	25 (20-32)	20 (15-27)	16 (12-23)	13 (9.1-20)	11 (7.2-18)	10 (6.1-16)	9.2 (5.3-15)	8.5 (4.8-14)
5	58 (53-63)	49 (44-55)	40 (35-46)	32 (28-39)	26 (22-33)	21 (18-28)	18 (14-24)	15 (12-21)	14 (10-19)	12 (8.9-18)	11 (8.0-17)
6	66	57	49	40	33	27	23	20	18	16	15

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	18	13	10	7.8	6.1	4.8	3.9	3.3	2.9	2.6	2.4
1	25 (21-31)	19 (16-23)	15 (12-18)	11 (8.9-14)	8.7 (6.7-11)	6.8 (5.2-8.3)	5.5 (4.0-6.6)	4.6 (3.3-5.5)	4.0 (2.9-4.8)	3.6 (2.5-4.3)	3.2 (2.2-3.9)
2	34 (28-42)	27 (21-34)	21 (16-26)	16 (12-21)	12 (9.0-16)	9.6 (6.8-13)	7.7 (5.3-10)	6.4 (4.3-8.8)	5.6 (3.6-7.7)	4.9 (3.1-6.9)	4.4 (2.7-6.2)
3	45 (37-54)	36 (28-45)	29 (21-37)	22 (16-30)	17 (12-24)	13 (9.1-19)	11 (7.0-16)	8.8 (5.7-13)	7.6 (4.8-12)	6.7 (4.1-10)	5.9 (3.6-9.3)
4	56 (48-64)	47 (38-55)	38 (30-46)	30 (23-37)	24 (18-30)	19 (14-25)	15 (11-20)	12 (8.5-17)	10 (7.2-15)	9.0 (6.1-13)	7.9 (5.4-12)
5	66 (59-71)	58 (50-64)	49 (41-55)	40 (33-46)	32 (26-38)	25 (21-31)	20 (16-25)	16 (13-21)	14 (11-18)	12 (9.7-16)	11 (8.6-14)
6	74	67	59	51	42	34	27	22	19	16	14

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

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	14	11	8.6	6.7	5.3	4.2	3.4	2.9	2.5	2.2	1.9
1	22 (17-37)	17 (13-30)	13 (9.9-23)	10 (7.6-17)	8.1 (5.8-13)	6.3 (4.5-9.9)	5.0 (3.5-7.5)	4.1 (2.9-5.9)	3.5 (2.5-4.8)	3.0 (2.1-3.9)	2.6 (1.8-3.2)
2	32 (22-48)	26 (17-39)	20 (13-32)	16 (10-25)	12 (7.9-19)	9.6 (6.1-15)	7.4 (4.7-11)	6.1 (3.9-9.0)	5.1 (3.2-7.2)	4.3 (2.7-5.9)	3.6 (2.3-4.9)
3	44 (30-58)	36 (24-50)	30 (18-41)	23 (14-33)	18 (11-26)	14 (8.3-21)	11 (6.4-16)	8.9 (5.2-13)	7.3 (4.3-11)	6.0 (3.6-8.7)	5.1 (3.1-7.3)
4	56 (39-66)	48 (31-59)	41 (25-51)	33 (20-42)	27 (15-35)	21 (12-27)	16 (9.3-22)	13 (7.6-17)	11 (6.3-14)	8.6 (5.3-12)	7.1 (4.5-9.7)
5	67 (48-73)	60 (40-67)	52 (33-59)	45 (27-51)	37 (21-43)	30 (17-35)	23 (13-28)	19 (11-23)	15 (9.3-19)	12 (7.9-15)	10 (6.8-13)
6	76	71	64	57	48	40	33	27	22	17	14

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	12	9.7	7.7	6.2	5.0	4.0	3.3	2.9	2.5	2.2	1.9
1	18 (14-32)	15 (11-26)	12 (8.6-21)	9.5 (6.8-16)	7.6 (5.4-13)	6.1 (4.3-10)	4.9 (3.4-8.0)	4.2 (2.9-6.5)	3.6 (2.4-5.3)	3.1 (2.1-4.4)	2.7 (1.8-3.6)
2	27 (18-41)	22 (14-34)	18 (12-28)	14 (9.2-23)	11 (7.3-18)	9.1 (5.8-14)	7.3 (4.6-11)	6.1 (3.9-9.4)	5.1 (3.2-7.7)	4.4 (2.7-6.4)	3.7 (2.3-5.3)
3	37 (23-50)	31 (19-43)	26 (15-37)	21 (12-30)	17 (9.9-25)	13 (7.9-20)	11 (6.3-16)	9.0 (5.2-13)	7.4 (4.4-11)	6.2 (3.7-8.8)	5.2 (3.1-7.4)
4	48 (30-59)	41 (25-52)	35 (21-45)	29 (17-38)	24 (13-32)	19 (11-26)	16 (8.7-21)	13 (7.3-17)	11 (6.2-14)	8.9 (5.2-12)	7.4 (4.4-9.9)
5	59 (39-65)	52 (33-59)	46 (27-52)	39 (22-45)	33 (18-39)	27 (15-32)	22 (12-27)	19 (10-22)	15 (8.6-19)	13 (7.3-16)	10 (6.3-13)
6	69	63	57	50	44	37	31	26	22	18	15

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

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	11	9.0	7.5	6.2	5.2	4.3	3.7	3.2	2.8	2.5	2.2
1	16 (12-27)	13 (9.5-23)	11 (7.8-19)	9.3 (6.4-16)	7.7 (5.3-13)	6.4 (4.3-11)	5.4 (3.6-8.7)	4.7 (3.1-7.4)	4.0 (2.7-6.2)	3.5 (2.4-5.3)	3.1 (2.1-4.5)
2	23 (15-36)	20 (13-30)	16 (11-26)	14 (8.6-21)	11 (7.1-18)	9.3 (5.8-15)	7.9 (4.9-12)	6.8 (4.2-10)	5.8 (3.6-8.7)	5.0 (3.1-7.4)	4.4 (2.7-6.3)
3	32 (20-44)	27 (17-38)	23 (14-33)	20 (12-28)	16 (9.6-24)	14 (7.9-20)	11 (6.7-17)	9.8 (5.7-14)	8.4 (4.9-12)	7.2 (4.2-10)	6.2 (3.6-8.7)
4	42 (26-52)	37 (22-47)	32 (19-41)	27 (16-35)	23 (13-30)	19 (11-26)	16 (9.1-22)	14 (7.8-19)	12 (6.7-16)	10 (5.7-14)	8.7 (5.0-12)
5	53 (33-59)	47 (29-54)	42 (24-48)	36 (21-42)	31 (17-37)	27 (14-32)	23 (12-28)	20 (11-24)	17 (9.2-21)	14 (8.0-18)	12 (7.0-15)
6	63	58	53	47	41	36	31	27	23	20	17

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	10	8.5	7.2	6.1	5.2	4.4	3.9	3.4	3.0	2.7	2.4
1	15 (10-24)	12 (8.7-21)	11 (7.4-18)	9.0 (6.2-15)	7.7 (5.2-13)	6.5 (4.4-11)	5.7 (3.8-9.3)	5.0 (3.4-8.1)	4.4 (3.0-7.0)	3.9 (2.6-6.1)	3.5 (2.3-5.3)
2	21 (14-32)	18 (12-28)	15 (9.9-24)	13 (8.3-20)	11 (7.0-17)	9.5 (5.9-15)	8.3 (5.2-13)	7.3 (4.5-11)	6.4 (4.0-9.8)	5.6 (3.5-8.5)	5.0 (3.1-7.4)
3	29 (18-40)	25 (16-35)	22 (13-31)	19 (11-27)	16 (9.5-23)	14 (8.1-20)	12 (7.0-17)	11 (6.2-15)	9.3 (5.4-13)	8.1 (4.7-12)	7.1 (4.1-10)
4	38 (23-47)	34 (20-43)	30 (18-38)	26 (15-34)	23 (13-30)	19 (11-26)	17 (9.6-23)	15 (8.4-20)	13 (7.4-18)	12 (6.5-16)	10 (5.7-14)
5	48 (30-54)	43 (26-50)	39 (23-45)	35 (20-41)	31 (17-36)	27 (15-32)	24 (13-29)	21 (11-26)	19 (10-23)	16 (8.9-20)	14 (7.9-18)
6	58	54	49	45	41	36	32	29	26	23	20