

**Armenia - 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 Armenia. 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	1.8	1.7	1.7	1.5	1.3	1.1	1.0
1	2.8 (1.8-4.2)	2.7 (1.8-3.9)	2.7 (1.8-3.8)	2.3 (1.5-3.3)	2.0 (1.3-2.8)	1.8 (1.2-2.5)	1.5 (1.0-2.1)
2	4.4 (2.3-7.5)	4.2 (2.2-7.3)	4.1 (2.2-7.3)	3.6 (1.9-6.4)	3.1 (1.6-5.5)	2.7 (1.4-4.8)	2.3 (1.2-4.2)
3	6.8 (3.4-11)	6.4 (3.1-11)	6.2 (3.0-11)	5.4 (2.6-9.8)	4.7 (2.2-8.5)	4.0 (1.9-7.4)	3.5 (1.7-6.5)
4	10 (5.4-16)	9.6 (5.0-15)	9.2 (4.7-15)	8.0 (4.1-13)	6.9 (3.5-11)	5.9 (3.0-10)	5.1 (2.6-8.7)
5	15 (9.0-20)	14 (8.9-19)	13 (8.9-18)	12 (7.7-16)	10 (6.6-14)	8.6 (5.7-12)	7.5 (4.9-10)
6	22	20	19	17	14	12	11

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

**Age = 55 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	2.0	2.0	2.0	1.7	1.5	1.3	1.1
1	3.1 (2.1-4.7)	3.1 (2.0-4.4)	3.0 (2.0-4.2)	2.6 (1.7-3.6)	2.3 (1.5-3.1)	1.9 (1.3-2.7)	1.7 (1.1-2.3)
2	4.9 (2.7-8.1)	4.7 (2.6-8.0)	4.6 (2.5-8.0)	4.0 (2.1-6.9)	3.4 (1.8-6.0)	2.9 (1.6-5.2)	2.5 (1.3-4.5)
3	7.5 (4.1-12)	7.1 (3.7-12)	6.9 (3.5-12)	5.9 (3.0-10)	5.1 (2.5-9.1)	4.4 (2.2-7.9)	3.8 (1.8-6.8)
4	11 (6.3-17)	11 (5.8-17)	10 (5.5-16)	8.7 (4.6-14)	7.5 (3.9-12)	6.4 (3.3-11)	5.5 (2.8-9.2)
5	16 (10-22)	15 (9.9-21)	15 (9.9-20)	13 (8.4-17)	11 (7.2-15)	9.2 (6.2-13)	7.9 (5.3-11)
6	24	22	21	18	15	13	11

**Age = 60 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	2.1	2.1	2.1	1.8	1.6	1.3	1.2
1	3.3 (2.2-4.9)	3.3 (2.2-4.6)	3.3 (2.2-4.5)	2.8 (1.9-3.8)	2.4 (1.6-3.2)	2.0 (1.3-2.8)	1.7 (1.1-2.4)
2	5.1 (3.0-8.1)	4.9 (2.8-8.2)	4.9 (2.7-8.3)	4.2 (2.3-7.2)	3.6 (2.0-6.2)	3.0 (1.7-5.3)	2.6 (1.4-4.6)
3	7.6 (4.3-12)	7.4 (4.2-12)	7.3 (3.9-12)	6.2 (3.3-11)	5.3 (2.8-9.0)	4.5 (2.3-7.8)	3.8 (2.0-6.7)
4	11 (6.8-17)	11 (6.3-17)	11 (6.0-17)	9.0 (5.0-14)	7.6 (4.2-12)	6.5 (3.5-11)	5.5 (2.9-9.0)
5	16 (10-21)	16 (10-21)	15 (10-21)	13 (8.8-18)	11 (7.4-15)	9.2 (6.3-13)	7.8 (5.3-11)
6	23	22	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 Armenia.

**Age = 65 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	2.2	2.2	2.2	1.9	1.6	1.4	1.2
1	3.3 (2.3-4.7)	3.3 (2.3-4.6)	3.4 (2.3-4.5)	2.8 (1.9-3.8)	2.4 (1.6-3.2)	2.0 (1.3-2.7)	1.7 (1.1-2.3)
2	5.0 (3.1-7.6)	5.0 (3.0-7.9)	5.0 (2.9-8.2)	4.2 (2.4-7.0)	3.5 (2.0-6.0)	3.0 (1.7-5.1)	2.5 (1.4-4.4)
3	7.4 (4.4-11)	7.3 (4.3-11)	7.3 (4.3-12)	6.1 (3.5-9.9)	5.2 (2.9-8.4)	4.3 (2.4-7.2)	3.6 (2.0-6.1)
4	11 (6.7-15)	11 (6.6-16)	11 (6.3-16)	8.8 (5.2-14)	7.4 (4.2-12)	6.2 (3.5-9.9)	5.2 (2.8-8.4)
5	15 (10-20)	15 (10-20)	15 (10-20)	12 (8.7-17)	10 (7.3-14)	8.7 (6.0-12)	7.3 (5.0-10)
6	21	20	20	17	14	12	10

**Age = 70 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	2.2	2.2	2.3	1.9	1.6	1.3	1.1
1	3.3 (2.3-4.3)	3.3 (2.2-4.3)	3.3 (2.3-4.4)	2.7 (1.9-3.6)	2.3 (1.5-3.0)	1.9 (1.3-2.5)	1.5 (1.0-2.1)
2	5.1 (3.1-7.9)	4.9 (3.0-7.5)	4.8 (3.0-7.3)	3.9 (2.4-6.0)	3.2 (2.0-5.0)	2.7 (1.6-4.1)	2.2 (1.3-3.4)
3	7.7 (4.4-12)	7.3 (4.2-11)	7.0 (4.2-11)	5.7 (3.4-8.8)	4.7 (2.7-7.2)	3.8 (2.2-6.0)	3.1 (1.8-4.9)
4	12 (7.2-17)	11 (6.7-16)	10 (6.4-15)	8.3 (5.1-13)	6.8 (4.1-10)	5.5 (3.3-8.4)	4.5 (2.7-6.9)
5	17 (13-23)	16 (12-21)	15 (11-20)	12 (9.2-16)	9.8 (7.3-13)	7.9 (5.9-11)	6.4 (4.7-8.9)
6	25	23	21	17	14	11	9.1

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

**Age = 75 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	2.3	2.3	2.4	1.9	1.6	1.3	1.1
1	3.7 (2.4-5.9)	3.6 (2.3-5.3)	3.6 (2.4-4.7)	2.9 (1.9-3.7)	2.3 (1.6-3.0)	1.9 (1.3-2.4)	1.5 (1.0-2.0)
2	6.0 (3.2-10)	5.6 (3.2-9.3)	5.4 (3.2-8.4)	4.3 (2.6-6.7)	3.4 (2.1-5.3)	2.8 (1.7-4.3)	2.2 (1.3-3.4)
3	9.5 (4.6-16)	8.7 (4.4-15)	8.2 (4.4-13)	6.5 (3.5-10)	5.2 (2.8-8.3)	4.1 (2.2-6.6)	3.3 (1.8-5.3)
4	15 (7.6-22)	13 (7.1-20)	12 (6.8-18)	9.8 (5.4-15)	7.8 (4.3-12)	6.1 (3.4-9.3)	4.8 (2.7-7.3)
5	22 (13-29)	20 (12-27)	18 (12-24)	15 (9.5-20)	12 (7.6-16)	9.2 (6.0-13)	7.2 (4.8-10)
6	31	29	26	21	17	14	11

**Age = 80 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	2.6	2.6	2.6	2.1	1.7	1.4	1.1
1	4.3 (2.8-7.2)	4.0 (2.7-6.4)	3.9 (2.6-5.7)	3.1 (2.1-4.5)	2.5 (1.7-3.5)	2.0 (1.3-2.7)	1.6 (1.1-2.2)
2	6.9 (3.8-12)	6.4 (3.6-10)	6.0 (3.6-9.2)	4.7 (2.8-7.2)	3.8 (2.2-5.6)	3.0 (1.8-4.4)	2.4 (1.4-3.5)
3	11 (5.6-17)	9.8 (5.1-16)	9.1 (5.0-14)	7.2 (3.9-11)	5.6 (3.0-8.9)	4.4 (2.4-7.0)	3.5 (1.9-5.5)
4	16 (8.5-24)	15 (8.0-21)	14 (7.9-19)	11 (6.2-15)	8.4 (4.8-12)	6.6 (3.8-9.7)	5.2 (2.9-7.6)
5	24 (14-31)	21 (13-28)	20 (12-26)	16 (9.6-21)	12 (7.6-17)	9.8 (6.0-13)	7.7 (4.8-11)
6	33	30	28	23	18	14	11

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

**Age = 85 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	3.0	2.8	2.8	2.2	1.8	1.4	1.1
1	5.1 (3.3-8.8)	4.6 (3.0-7.6)	4.3 (2.9-6.6)	3.4 (2.3-5.1)	2.7 (1.8-4.0)	2.1 (1.4-3.1)	1.7 (1.1-2.4)
2	8.2 (4.7-14)	7.4 (4.2-12)	6.7 (4.0-11)	5.3 (3.1-8.4)	4.1 (2.4-6.5)	3.2 (1.9-5.1)	2.5 (1.5-3.9)
3	13 (6.8-21)	11 (6.1-18)	10 (5.6-16)	8.1 (4.3-13)	6.3 (3.4-10)	4.9 (2.6-7.9)	3.9 (2.0-6.2)
4	19 (10-28)	17 (9.3-25)	16 (8.7-22)	12 (6.8-18)	9.7 (5.4-14)	7.5 (4.2-11)	5.9 (3.3-8.7)
5	28 (16-35)	25 (15-32)	23 (14-29)	18 (11-24)	14 (8.5-19)	11 (6.6-15)	8.9 (5.2-12)
6	38	35	32	26	21	17	13

**Age = 90 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	3.1	2.8	2.7	2.2	1.7	1.4	1.1
1	5.3 (3.5-9.1)	4.7 (3.1-7.7)	4.3 (2.9-6.5)	3.4 (2.3-5.1)	2.6 (1.8-3.9)	2.1 (1.4-3.1)	1.7 (1.1-2.4)
2	8.6 (4.9-15)	7.5 (4.4-13)	6.7 (4.0-11)	5.2 (3.1-8.3)	4.1 (2.5-6.4)	3.2 (1.9-5.0)	2.5 (1.5-3.9)
3	14 (7.2-21)	12 (6.3-19)	10 (5.7-16)	8.2 (4.4-13)	6.4 (3.5-10)	5.0 (2.7-7.8)	3.9 (2.1-6.1)
4	20 (11-29)	18 (9.7-25)	16 (8.9-22)	12 (7.0-18)	9.8 (5.5-14)	7.7 (4.3-11)	6.0 (3.4-8.8)
5	29 (17-37)	26 (15-33)	23 (14-30)	19 (11-24)	15 (8.7-20)	12 (6.9-16)	9.1 (5.4-12)
6	39	36	33	27	22	17	14