

**Armenia - The probabilities of a major osteoporotic fracture in women**

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 Armenia. 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/m<sup>2</sup>.

**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	15	9.8	6.5	4.7	3.6	2.9	2.5	2.2	2.1	2.0	1.9
1	23 (20-29)	15 (13-19)	10 (8.6-13)	7.2 (5.7-9.0)	5.5 (4.1-6.9)	4.4 (3.1-5.7)	3.7 (2.5-5.0)	3.4 (2.2-4.6)	3.2 (2.1-4.4)	3.0 (2.0-4.2)	2.9 (1.9-4.1)
2	34 (26-47)	22 (18-31)	15 (12-21)	11 (7.6-15)	8.2 (5.3-12)	6.6 (3.9-11)	5.5 (3.1-9.2)	5.0 (2.7-8.5)	4.7 (2.5-8.1)	4.5 (2.3-7.8)	4.3 (2.2-7.5)
3	47 (35-62)	32 (23-42)	22 (16-31)	16 (10-24)	12 (7.0-20)	9.6 (5.2-17)	8.1 (4.1-15)	7.2 (3.5-14)	6.8 (3.2-13)	6.5 (3.0-12)	6.2 (2.8-12)
4	62 (46-75)	45 (31-55)	31 (21-39)	23 (15-31)	17 (11-25)	14 (8.6-21)	12 (6.7-19)	10 (5.7-17)	9.7 (5.2-16)	9.3 (4.8-16)	8.9 (4.6-15)
5	77 (67-85)	59 (48-66)	43 (34-47)	32 (24-37)	24 (19-30)	19 (15-25)	16 (12-22)	14 (11-20)	14 (9.6-19)	13 (9.0-18)	12 (8.5-18)
6	88	73	56	43	33	27	22	20	19	18	17

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

**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	16	11	7.6	5.6	4.3	3.5	2.9	2.7	2.5	2.3	2.2
1	24 (22-29)	16 (15-20)	11 (9.7-14)	8.4 (6.7-10)	6.5 (4.9-8.0)	5.2 (3.7-6.8)	4.4 (3.0-5.8)	4.0 (2.7-5.5)	3.7 (2.4-5.2)	3.5 (2.3-4.9)	3.3 (2.1-4.7)
2	35 (28-45)	24 (20-32)	17 (13-23)	12 (8.9-17)	9.6 (6.3-14)	7.7 (4.7-12)	6.4 (3.7-10)	5.9 (3.2-9.7)	5.4 (2.9-9.2)	5.1 (2.7-8.7)	4.8 (2.5-8.3)
3	48 (37-59)	34 (26-43)	24 (18-34)	18 (12-27)	14 (8.4-22)	11 (6.2-19)	9.3 (4.8-16)	8.4 (4.2-15)	7.8 (3.8-15)	7.4 (3.5-14)	7.0 (3.3-13)
4	62 (47-72)	46 (33-54)	34 (24-42)	25 (18-34)	20 (14-28)	16 (10-24)	13 (8.0-21)	12 (6.8-19)	11 (6.1-18)	10 (5.6-17)	9.9 (5.2-17)
5	75 (67-82)	60 (51-66)	45 (37-51)	35 (28-41)	27 (22-34)	22 (17-28)	18 (14-24)	17 (12-23)	15 (11-21)	14 (10-20)	14 (9.4-19)
6	86	73	58	46	36	30	25	22	21	20	19

**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	17	12	8.4	6.3	4.9	3.9	3.3	3.0	2.8	2.6	2.4
1	25 (23-28)	17 (15-20)	12 (10-15)	9.3 (7.4-11)	7.2 (5.4-9.0)	5.8 (4.2-7.5)	4.9 (3.4-6.6)	4.5 (3.0-6.1)	4.1 (2.7-5.7)	3.8 (2.5-5.3)	3.5 (2.3-5.0)
2	35 (29-44)	25 (21-32)	18 (14-23)	14 (9.8-19)	11 (7.0-15)	8.4 (5.2-13)	7.2 (4.2-11)	6.5 (3.6-11)	5.9 (3.2-9.8)	5.5 (2.9-9.2)	5.2 (2.7-8.7)
3	47 (37-55)	34 (27-44)	25 (19-35)	19 (13-29)	15 (9.3-24)	12 (6.9-20)	10 (5.5-18)	9.2 (4.7-16)	8.5 (4.2-15)	7.9 (3.8-14)	7.4 (3.5-14)
4	60 (48-68)	46 (35-53)	35 (26-43)	27 (19-36)	21 (15-30)	17 (11-25)	14 (9.0-22)	13 (7.7-21)	12 (6.8-19)	11 (6.1-18)	10 (5.6-17)
5	72 (66-78)	59 (51-63)	46 (39-52)	36 (30-43)	28 (23-35)	23 (19-30)	20 (15-26)	18 (13-24)	16 (12-23)	15 (11-21)	14 (9.7-20)
6	83	71	58	47	38	31	26	24	22	20	19

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

**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	8.9	6.7	5.2	4.1	3.6	3.2	2.9	2.7	2.4
1	24 (22-27)	18 (15-20)	13 (11-15)	9.7 (7.7-12)	7.6 (5.7-9.5)	6.0 (4.4-7.8)	5.2 (3.6-7.0)	4.7 (3.2-6.4)	4.2 (2.8-5.9)	3.9 (2.5-5.5)	3.6 (2.3-5.1)
2	33 (28-41)	25 (20-30)	18 (14-23)	14 (10-19)	11 (7.4-16)	8.7 (5.5-13)	7.5 (4.5-12)	6.7 (3.9-11)	6.1 (3.4-9.9)	5.6 (3.0-9.2)	5.1 (2.7-8.5)
3	44 (36-52)	33 (27-42)	25 (19-34)	19 (14-28)	15 (9.8-24)	12 (7.3-20)	11 (6.0-18)	9.5 (5.1-17)	8.6 (4.4-15)	7.9 (3.9-14)	7.2 (3.6-13)
4	56 (46-62)	44 (35-52)	34 (26-43)	26 (20-35)	21 (16-30)	17 (12-25)	15 (9.5-23)	13 (8.0-21)	12 (7.0-19)	11 (6.2-18)	10 (5.6-17)
5	67 (62-71)	55 (49-60)	44 (39-51)	35 (30-42)	28 (24-35)	23 (19-30)	20 (16-27)	18 (13-24)	16 (12-22)	15 (10-21)	14 (9.3-19)
6	76	66	55	45	36	30	26	24	21	20	18

**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	16	12	8.8	6.7	5.2	4.2	3.7	3.2	2.9	2.6	2.4
1	23 (20-28)	17 (14-21)	13 (10-15)	9.6 (7.5-11)	7.4 (5.6-8.8)	5.9 (4.4-7.0)	5.1 (3.7-6.0)	4.5 (3.1-5.3)	4.0 (2.8-4.7)	3.6 (2.4-4.3)	3.2 (2.2-3.9)
2	32 (26-40)	24 (19-31)	18 (14-23)	14 (9.9-18)	10 (7.3-14)	8.3 (5.6-11)	7.0 (4.6-9.6)	6.1 (3.9-8.4)	5.4 (3.4-7.5)	4.8 (3.0-6.7)	4.3 (2.6-6.1)
3	44 (35-54)	33 (25-43)	25 (18-34)	19 (13-26)	14 (9.7-21)	11 (7.4-17)	9.6 (6.1-15)	8.3 (5.1-13)	7.3 (4.4-11)	6.5 (3.8-10)	5.8 (3.4-9.3)
4	56 (47-64)	45 (36-53)	34 (27-42)	26 (20-34)	20 (15-27)	16 (11-22)	13 (9.3-19)	11 (7.8-16)	9.7 (6.7-15)	8.6 (5.9-13)	7.7 (5.2-12)
5	67 (60-72)	56 (49-62)	45 (38-51)	35 (29-41)	27 (22-33)	21 (18-27)	18 (15-23)	15 (12-20)	13 (11-17)	11 (9.4-16)	10 (8.3-14)
6	76	68	57	46	36	29	24	20	17	15	13

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

**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	15	11	8.6	6.6	5.1	4.3	3.7	3.2	2.8	2.5	2.3
1	23 (17-36)	17 (13-27)	13 (9.5-20)	9.8 (7.1-14)	7.4 (5.4-10)	6.1 (4.4-8.0)	5.1 (3.6-6.3)	4.4 (3.1-5.1)	3.8 (2.7-4.5)	3.3 (2.3-4.0)	2.9 (2.1-3.6)
2	33 (23-48)	25 (17-38)	19 (13-29)	14 (9.4-21)	11 (7.0-16)	8.7 (5.6-12)	7.1 (4.6-9.7)	6.0 (3.9-7.8)	5.1 (3.3-6.7)	4.4 (2.8-6.0)	3.8 (2.5-5.4)
3	44 (30-58)	35 (23-48)	27 (17-38)	21 (13-29)	16 (9.4-22)	12 (7.5-18)	10 (6.1-14)	8.2 (5.1-12)	6.8 (4.3-9.7)	5.8 (3.7-8.2)	5.0 (3.2-7.1)
4	56 (40-67)	47 (31-58)	38 (24-48)	30 (18-38)	22 (14-29)	18 (11-23)	14 (9.0-19)	11 (7.5-15)	9.3 (6.4-13)	7.7 (5.5-11)	6.6 (4.8-9.2)
5	67 (49-73)	59 (41-66)	50 (32-57)	40 (25-47)	31 (20-37)	25 (16-30)	20 (13-24)	16 (11-19)	13 (9.7-16)	10 (8.5-13)	8.7 (7.5-11)
6	76	69	61	52	42	34	27	22	17	14	12

**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	14	11	8.1	6.3	5.0	4.2	3.6	3.1	2.7	2.3	2.0
1	20 (15-33)	16 (12-25)	12 (8.7-19)	9.2 (6.6-14)	7.2 (5.2-11)	6.0 (4.2-8.4)	5.0 (3.5-6.7)	4.2 (2.9-5.3)	3.6 (2.5-4.3)	3.1 (2.1-3.6)	2.7 (1.9-3.1)
2	29 (20-42)	23 (15-34)	18 (12-27)	13 (8.9-20)	10 (6.8-16)	8.5 (5.5-13)	7.0 (4.5-10)	5.8 (3.7-8.0)	4.8 (3.1-6.5)	4.1 (2.7-5.3)	3.5 (2.3-4.5)
3	39 (26-52)	31 (20-43)	25 (16-35)	19 (12-27)	15 (9.1-21)	12 (7.4-17)	9.8 (6.0-14)	8.0 (5.0-11)	6.6 (4.1-9.3)	5.5 (3.5-7.7)	4.7 (3.0-6.5)
4	49 (33-60)	42 (27-52)	34 (21-43)	27 (16-35)	21 (13-28)	17 (10-22)	14 (8.6-18)	11 (7.1-15)	9.1 (6.0-12)	7.5 (5.1-10)	6.2 (4.3-8.5)
5	60 (42-66)	52 (34-59)	44 (28-51)	36 (22-42)	29 (18-35)	24 (15-29)	19 (12-23)	15 (10-19)	13 (8.6-16)	10 (7.4-13)	8.4 (6.4-11)
6	69	63	55	47	39	32	26	21	17	14	11

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

**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	12	9.1	7.1	5.6	4.7	3.9	3.3	2.9	2.5	2.1	1.8
1	17 (12-28)	13 (9.6-22)	11 (7.4-17)	8.2 (5.8-13)	6.7 (4.7-10)	5.6 (3.9-8.3)	4.7 (3.2-6.7)	4.0 (2.7-5.4)	3.4 (2.3-4.4)	2.9 (1.9-3.6)	2.5 (1.7-3.0)
2	24 (16-36)	19 (13-29)	15 (9.9-23)	12 (7.7-18)	9.8 (6.3-15)	8.0 (5.1-12)	6.6 (4.2-9.7)	5.5 (3.5-7.9)	4.6 (2.9-6.4)	3.9 (2.5-5.3)	3.3 (2.1-4.4)
3	33 (22-45)	27 (17-38)	22 (13-31)	17 (10-25)	14 (8.4-20)	11 (6.9-16)	9.4 (5.7-13)	7.8 (4.7-11)	6.4 (3.9-9.0)	5.3 (3.3-7.5)	4.5 (2.8-6.3)
4	43 (28-54)	36 (22-46)	30 (18-39)	24 (14-31)	20 (12-26)	16 (9.6-21)	13 (7.9-18)	11 (6.6-14)	9.0 (5.5-12)	7.4 (4.6-9.9)	6.1 (3.9-8.3)
5	54 (35-60)	47 (29-54)	40 (24-46)	33 (19-39)	27 (16-33)	23 (13-27)	19 (11-23)	15 (9.3-19)	13 (7.8-16)	10 (6.7-13)	8.4 (5.7-11)
6	64	58	50	43	37	31	26	21	17	14	12

**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	8.9	7.1	5.6	4.5	3.8	3.3	2.8	2.4	2.0	1.7	1.5
1	13 (9.2-20)	10 (7.3-16)	8.2 (5.7-13)	6.6 (4.6-10)	5.5 (3.8-8.4)	4.7 (3.2-6.9)	3.9 (2.7-5.6)	3.3 (2.3-4.6)	2.8 (1.9-3.8)	2.4 (1.6-3.2)	2.0 (1.4-2.6)
2	18 (12-28)	15 (9.7-23)	12 (7.7-18)	9.6 (6.2-15)	8.0 (5.1-12)	6.7 (4.3-10)	5.6 (3.6-8.3)	4.7 (3.0-6.9)	3.9 (2.5-5.7)	3.3 (2.1-4.7)	2.8 (1.8-3.9)
3	26 (16-36)	21 (13-30)	17 (10-24)	14 (8.3-20)	12 (6.9-17)	9.7 (5.7-14)	8.1 (4.8-11)	6.7 (4.0-9.5)	5.6 (3.3-7.9)	4.7 (2.8-6.6)	3.9 (2.4-5.5)
4	35 (21-44)	29 (17-37)	24 (14-31)	20 (11-26)	17 (9.6-22)	14 (8.0-18)	12 (6.8-15)	9.6 (5.7-13)	8.0 (4.8-11)	6.6 (4.0-8.8)	5.5 (3.4-7.4)
5	45 (28-51)	39 (23-45)	33 (19-38)	27 (16-33)	23 (13-28)	20 (11-24)	16 (9.5-20)	14 (8.0-17)	11 (6.8-14)	9.4 (5.8-12)	7.8 (4.9-9.7)
6	55	49	43	37	32	27	23	19	16	13	11