

Armenia - The probabilities of a hip fracture in women

The following tables give the 10-year probability (%) of a hip 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/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	12	6.1	3.2	1.6	0.8	0.4	0.2	0.1	0.1	0.0	0.0	
1	18 (12-23)	9.7 (6.4-13)	5.1 (3.3-6.6)	2.6 (1.7-3.4)	1.3 (0.9-1.8)	0.7 (0.4-0.9)	0.4 (0.2-0.5)	0.2 (0.1-0.2)	0.1 (0.1-0.1)	0.1 (0.0-0.1)	0.0 (0.0-0.0)	
2	27 (17-39)	15 (9.0-22)	8.0 (4.7-12)	4.2 (2.4-6.4)	2.2 (1.2-3.3)	1.1 (0.6-1.7)	0.6 (0.3-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.2)	0.1 (0.1-0.1)	0.0 (0.0-0.1)	
3	39 (25-57)	23 (13-35)	12 (7.1-20)	6.6 (3.7-11)	3.4 (1.9-5.6)	1.8 (1.0-2.9)	0.9 (0.5-1.5)	0.5 (0.3-0.8)	0.2 (0.1-0.4)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	
4	54 (39-72)	33 (22-48)	19 (12-29)	10 (6.3-16)	5.3 (3.2-8.5)	2.8 (1.7-4.4)	1.4 (0.9-2.3)	0.7 (0.4-1.2)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	
5	70 (59-82)	47 (37-61)	28 (21-38)	15 (11-22)	8.2 (6.0-12)	4.3 (3.1-6.2)	2.2 (1.6-3.2)	1.1 (0.8-1.7)	0.6 (0.4-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.3)	
6	84	62	40	23	12	6.5	3.4	1.8	0.9	0.5	0.3	

Ten year probability of hip 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	12	6.4	3.5	1.9	1.0	0.5	0.3	0.2	0.1	0.1	0.0
1	18 (12-22)	10 (6.7-12)	5.5 (3.7-6.7)	3.0 (2.0-3.7)	1.6 (1.1-2.0)	0.9 (0.6-1.1)	0.5 (0.3-0.6)	0.3 (0.2-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.1)	0.0 (0.0-0.1)
2	26 (17-36)	15 (9.4-22)	8.5 (5.2-12)	4.7 (2.8-6.8)	2.5 (1.5-3.7)	1.4 (0.8-2.0)	0.7 (0.4-1.1)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
3	38 (24-53)	23 (14-34)	13 (7.8-20)	7.2 (4.2-11)	3.9 (2.3-6.2)	2.1 (1.2-3.4)	1.2 (0.7-1.8)	0.6 (0.4-1.0)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
4	51 (38-68)	33 (23-46)	19 (13-29)	11 (7.2-17)	6.1 (3.9-9.4)	3.3 (2.1-5.2)	1.8 (1.2-2.8)	1.0 (0.6-1.6)	0.6 (0.4-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
5	66 (58-79)	45 (38-58)	28 (23-38)	16 (13-23)	9.2 (7.2-13)	5.0 (3.9-7.2)	2.7 (2.1-4.0)	1.5 (1.2-2.2)	0.9 (0.7-1.2)	0.5 (0.4-0.7)	0.3 (0.2-0.4)
6	80	60	40	24	14	7.6	4.2	2.3	1.3	0.7	0.4

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	11	6.5	3.7	2.1	1.2	0.7	0.4	0.2	0.1	0.1	0.0
1	17 (12-20)	10 (6.9-12)	5.7 (3.9-6.7)	3.2 (2.2-3.8)	1.8 (1.2-2.1)	1.0 (0.7-1.2)	0.6 (0.4-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)	0.1 (0.0-0.1)
2	25 (17-33)	15 (9.6-20)	8.7 (5.5-12)	5.0 (3.1-6.8)	2.8 (1.7-3.9)	1.6 (1.0-2.2)	0.9 (0.6-1.2)	0.5 (0.3-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)
3	35 (24-48)	22 (14-31)	13 (8.3-19)	7.5 (4.7-11)	4.3 (2.6-6.4)	2.4 (1.5-3.7)	1.4 (0.8-2.1)	0.8 (0.5-1.2)	0.5 (0.3-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.2)
4	48 (37-62)	31 (23-43)	19 (14-27)	11 (7.8-17)	6.4 (4.5-9.6)	3.7 (2.5-5.5)	2.1 (1.4-3.2)	1.2 (0.8-1.9)	0.7 (0.5-1.1)	0.4 (0.3-0.6)	0.2 (0.2-0.4)
5	61 (55-73)	43 (37-54)	27 (23-36)	16 (14-23)	9.6 (8.0-13)	5.5 (4.5-7.8)	3.2 (2.6-4.5)	1.8 (1.5-2.6)	1.1 (0.9-1.5)	0.6 (0.5-0.9)	0.4 (0.3-0.5)
6	75	56	38	24	14	8.1	4.7	2.8	1.6	0.9	0.5

Ten year probability of hip 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	11	6.5	3.9	2.3	1.3	0.8	0.5	0.3	0.2	0.1	0.1
1	16 (11-19)	9.7 (6.9-11)	5.8 (4.1-6.8)	3.4 (2.4-4.0)	2.0 (1.4-2.4)	1.2 (0.8-1.4)	0.7 (0.5-0.8)	0.4 (0.3-0.5)	0.3 (0.2-0.3)	0.2 (0.1-0.2)	0.1 (0.1-0.1)
2	23 (16-29)	14 (9.6-18)	8.6 (5.7-11)	5.1 (3.4-6.7)	3.0 (2.0-4.0)	1.8 (1.2-2.3)	1.1 (0.7-1.4)	0.6 (0.4-0.9)	0.4 (0.3-0.5)	0.2 (0.2-0.3)	0.1 (0.1-0.2)
3	32 (23-41)	20 (14-27)	13 (8.6-17)	7.6 (5.1-11)	4.5 (3.0-6.4)	2.7 (1.8-3.8)	1.6 (1.1-2.3)	1.0 (0.6-1.4)	0.6 (0.4-0.9)	0.4 (0.2-0.5)	0.2 (0.1-0.3)
4	43 (34-54)	28 (22-38)	18 (14-25)	11 (8.3-16)	6.7 (4.9-9.6)	3.9 (2.9-5.7)	2.4 (1.8-3.5)	1.5 (1.1-2.1)	0.9 (0.6-1.3)	0.5 (0.4-0.8)	0.3 (0.2-0.5)
5	54 (50-65)	38 (34-49)	25 (22-33)	16 (13-21)	9.7 (8.1-13)	5.8 (4.8-8.0)	3.5 (2.9-4.9)	2.2 (1.8-3.0)	1.3 (1.1-1.8)	0.8 (0.7-1.1)	0.5 (0.4-0.7)
6	66	50	35	22	14	8.4	5.2	3.2	1.9	1.2	0.7

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	9.9	6.2	3.8	2.3	1.4	0.9	0.6	0.4	0.2	0.1	0.1
1	16 (14-20)	10 (8.6-13)	6.2 (5.4-8.0)	3.9 (3.3-5.0)	2.4 (2.0-3.1)	1.5 (1.3-1.9)	0.9 (0.8-1.2)	0.6 (0.5-0.8)	0.4 (0.3-0.5)	0.2 (0.2-0.3)	0.1 (0.1-0.2)
2	24 (20-31)	16 (13-21)	10 (8.1-13)	6.3 (5.0-8.4)	3.9 (3.1-5.2)	2.4 (1.9-3.3)	1.5 (1.2-2.1)	1.0 (0.8-1.3)	0.6 (0.5-0.9)	0.4 (0.3-0.5)	0.2 (0.2-0.3)
3	35 (29-42)	24 (19-29)	16 (12-20)	10 (7.6-13)	6.3 (4.7-8.0)	4.0 (3.0-5.1)	2.5 (1.9-3.3)	1.6 (1.2-2.1)	1.0 (0.8-1.3)	0.7 (0.5-0.9)	0.4 (0.3-0.5)
4	48 (40-54)	35 (28-40)	24 (18-28)	16 (12-19)	10 (7.4-12)	6.4 (4.7-7.7)	4.1 (3.0-5.0)	2.6 (1.9-3.2)	1.7 (1.2-2.1)	1.1 (0.8-1.3)	0.7 (0.5-0.8)
5	61 (53-64)	48 (40-51)	35 (28-38)	24 (19-26)	16 (12-18)	10 (7.8-12)	6.6 (5.1-7.5)	4.3 (3.3-4.9)	2.7 (2.1-3.1)	1.8 (1.3-2.0)	1.1 (0.9-1.3)
6	72	61	48	35	24	16	11	6.9	4.4	2.8	1.8

Ten year probability of hip 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	8.8	5.8	3.8	2.4	1.6	1.0	0.7	0.5	0.3	0.2	0.1
1	16 (12-32)	11 (8.1-22)	7.2 (5.3-15)	4.7 (3.4-10)	3.1 (2.2-6.6)	2.0 (1.5-4.5)	1.4 (1.0-3.0)	0.9 (0.7-2.0)	0.6 (0.4-1.3)	0.4 (0.3-0.9)	0.3 (0.2-0.6)
2	26 (17-43)	18 (11-32)	13 (7.5-23)	8.5 (4.9-16)	5.6 (3.2-11)	3.8 (2.1-7.3)	2.5 (1.4-5.0)	1.7 (0.9-3.3)	1.1 (0.6-2.2)	0.8 (0.4-1.5)	0.5 (0.3-1.0)
3	38 (23-54)	29 (16-43)	21 (11-32)	14 (7.2-23)	9.7 (4.7-16)	6.7 (3.2-11)	4.5 (2.1-7.4)	3.1 (1.4-5.1)	2.1 (0.9-3.4)	1.4 (0.6-2.3)	0.9 (0.4-1.5)
4	52 (32-63)	41 (23-52)	32 (16-41)	23 (11-30)	16 (7.1-22)	11 (4.8-15)	7.7 (3.2-11)	5.3 (2.2-7.4)	3.6 (1.5-5.1)	2.4 (1.0-3.4)	1.6 (0.7-2.3)
5	64 (42-71)	55 (32-61)	45 (23-50)	34 (16-39)	25 (11-29)	18 (7.6-21)	13 (5.2-15)	8.8 (3.6-10)	6.0 (2.4-7.1)	4.1 (1.6-4.9)	2.8 (1.1-3.3)
6	75	67	58	47	37	28	20	14	9.9	6.8	4.6

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	7.9	5.5	3.7	2.5	1.8	1.2	0.9	0.6	0.4	0.3	0.2
1	14 (10-28)	10 (7.1-21)	7.0 (4.9-15)	4.8 (3.3-10)	3.3 (2.3-7.4)	2.4 (1.6-5.2)	1.7 (1.1-3.7)	1.2 (0.8-2.6)	0.8 (0.6-1.8)	0.6 (0.4-1.3)	0.4 (0.3-0.9)
2	22 (14-38)	17 (9.9-29)	12 (6.9-22)	8.4 (4.7-16)	5.9 (3.2-11)	4.3 (2.3-8.2)	3.0 (1.6-5.9)	2.1 (1.1-4.2)	1.5 (0.8-3.0)	1.1 (0.6-2.1)	0.7 (0.4-1.5)
3	33 (19-48)	25 (14-39)	19 (9.6-30)	14 (6.7-23)	10 (4.7-17)	7.2 (3.3-12)	5.2 (2.4-8.8)	3.7 (1.7-6.3)	2.6 (1.2-4.5)	1.9 (0.8-3.2)	1.3 (0.6-2.2)
4	45 (26-57)	36 (19-48)	28 (14-38)	21 (9.9-30)	16 (7.0-22)	12 (5.0-17)	8.6 (3.6-12)	6.2 (2.5-8.8)	4.4 (1.8-6.4)	3.1 (1.3-4.6)	2.2 (0.9-3.3)
5	57 (35-63)	48 (27-55)	40 (20-45)	31 (14-36)	24 (10-28)	18 (7.6-22)	14 (5.5-16)	10 (3.9-12)	7.2 (2.8-8.9)	5.2 (2.0-6.4)	3.7 (1.4-4.6)
6	68	60	52	43	34	27	21	16	11	8.3	6.0

Ten year probability of hip 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	6.4	4.6	3.3	2.4	1.7	1.3	1.0	0.7	0.5	0.4	0.3
1	11 (8.3-24)	8.4 (6.0-18)	6.1 (4.3-13)	4.4 (3.1-9.7)	3.3 (2.3-7.3)	2.5 (1.7-5.5)	1.8 (1.3-4.1)	1.4 (0.9-3.0)	1.0 (0.7-2.2)	0.7 (0.5-1.6)	0.5 (0.4-1.2)
2	18 (11-32)	14 (8.2-25)	11 (6.0-19)	7.7 (4.3-14)	5.8 (3.2-11)	4.4 (2.4-8.4)	3.3 (1.8-6.3)	2.4 (1.3-4.8)	1.8 (1.0-3.5)	1.3 (0.7-2.6)	1.0 (0.5-2.0)
3	28 (15-42)	22 (11-34)	17 (8.3-27)	13 (6.1-21)	9.7 (4.5-16)	7.4 (3.4-12)	5.6 (2.5-9.4)	4.2 (1.9-7.1)	3.1 (1.4-5.3)	2.3 (1.0-4.0)	1.7 (0.8-3.0)
4	39 (21-50)	32 (16-42)	25 (12-34)	20 (8.9-27)	15 (6.7-22)	12 (5.1-17)	9.1 (3.8-13)	6.9 (2.9-9.9)	5.2 (2.1-7.5)	3.9 (1.6-5.6)	2.9 (1.2-4.2)
5	51 (29-57)	43 (23-49)	36 (17-41)	29 (13-33)	23 (10-27)	18 (7.6-22)	14 (5.8-17)	11 (4.4-13)	8.4 (3.3-10)	6.4 (2.5-7.8)	4.8 (1.8-5.9)
6	62	55	48	40	33	27	22	17	13	10	7.6

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	4.1	3.1	2.3	1.7	1.4	1.1	0.8	0.6	0.5	0.4	0.3
1	7.5 (5.3-16)	5.7 (4.0-12)	4.3 (3.0-9.5)	3.3 (2.3-7.3)	2.6 (1.8-5.7)	2.0 (1.4-4.5)	1.6 (1.1-3.5)	1.2 (0.8-2.7)	0.9 (0.6-2.1)	0.7 (0.5-1.6)	0.6 (0.4-1.3)
2	13 (7.3-23)	9.8 (5.5-18)	7.5 (4.2-14)	5.8 (3.2-11)	4.6 (2.5-8.8)	3.6 (2.0-6.9)	2.8 (1.5-5.5)	2.2 (1.2-4.3)	1.7 (0.9-3.4)	1.3 (0.7-2.6)	1.0 (0.5-2.0)
3	20 (10-31)	16 (7.7-25)	12 (5.9-20)	9.7 (4.5-16)	7.7 (3.6-13)	6.1 (2.8-10)	4.8 (2.2-8.2)	3.8 (1.7-6.4)	3.0 (1.3-5.1)	2.3 (1.0-4.0)	1.8 (0.8-3.1)
4	29 (14-39)	24 (11-33)	19 (8.7-27)	15 (6.8-21)	12 (5.3-18)	10 (4.2-14)	7.9 (3.3-11)	6.3 (2.6-9.0)	5.0 (2.0-7.1)	3.9 (1.6-5.6)	3.0 (1.2-4.4)
5	41 (21-46)	34 (16-40)	28 (13-33)	23 (10-27)	19 (8.0-23)	16 (6.3-19)	13 (5.0-15)	10 (4.0-12)	8.0 (3.1-9.8)	6.3 (2.4-7.8)	5.0 (1.9-6.1)
6	53	46	39	33	28	23	19	16	13	10	8.0