

Armenia - The probabilities of a hip fracture in women

The following tables give the 10-year probability (%) of a hip 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 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 ²)						
	15	20	25	30	35	40	45
0	0.7	0.4	0.2	0.2	0.1	0.1	0.1
1	1.5 (1.0-2.8)	0.8 (0.5-1.5)	0.4 (0.3-0.8)	0.3 (0.2-0.7)	0.3 (0.2-0.5)	0.2 (0.1-0.4)	0.2 (0.1-0.3)
2	2.8 (1.4-6.0)	1.5 (0.8-3.3)	0.8 (0.4-1.8)	0.7 (0.3-1.4)	0.5 (0.3-1.1)	0.4 (0.2-0.8)	0.3 (0.2-0.7)
3	5.3 (2.2-10)	2.9 (1.2-5.7)	1.6 (0.6-3.1)	1.2 (0.5-2.4)	1.0 (0.4-1.9)	0.7 (0.3-1.5)	0.6 (0.2-1.2)
4	9.6 (3.8-15)	5.3 (2.1-8.6)	2.9 (1.1-4.8)	2.3 (0.9-3.7)	1.8 (0.7-2.9)	1.4 (0.5-2.3)	1.1 (0.4-1.8)
5	17 (7.9-22)	9.5 (4.4-13)	5.3 (2.4-7.1)	4.1 (1.9-5.5)	3.2 (1.4-4.3)	2.5 (1.1-3.4)	1.9 (0.9-2.6)
6	28	16	9.2	7.2	5.6	4.4	3.4

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

Age = 55 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	1.2	0.7	0.4	0.3	0.2	0.2	0.1
1	2.4 (1.6-4.2)	1.3 (0.9-2.3)	0.7 (0.5-1.2)	0.5 (0.4-1.0)	0.4 (0.3-0.8)	0.3 (0.2-0.6)	0.3 (0.2-0.5)
2	4.4 (2.4-8.5)	2.4 (1.3-4.8)	1.3 (0.7-2.6)	1.0 (0.6-2.1)	0.8 (0.4-1.6)	0.6 (0.3-1.2)	0.5 (0.3-1.0)
3	8.0 (3.7-15)	4.5 (2.0-8.3)	2.5 (1.1-4.6)	1.9 (0.9-3.6)	1.5 (0.7-2.8)	1.2 (0.5-2.2)	0.9 (0.4-1.7)
4	14 (6.4-21)	7.9 (3.5-12)	4.4 (1.9-7.0)	3.4 (1.5-5.5)	2.7 (1.2-4.3)	2.1 (0.9-3.3)	1.6 (0.7-2.6)
5	23 (13-30)	14 (7.4-18)	7.8 (4.1-10)	6.1 (3.2-8.1)	4.7 (2.5-6.3)	3.7 (1.9-4.9)	2.9 (1.5-3.8)
6	37	23	13	10	8.2	6.4	5.0

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	2.0	1.1	0.6	0.5	0.4	0.3	0.2
1	3.6 (2.6-5.7)	2.1 (1.5-3.2)	1.1 (0.8-1.8)	0.9 (0.6-1.4)	0.7 (0.5-1.1)	0.5 (0.4-0.8)	0.4 (0.3-0.7)
2	6.5 (3.8-11)	3.7 (2.2-6.6)	2.1 (1.2-3.7)	1.6 (0.9-2.9)	1.2 (0.7-2.3)	1.0 (0.6-1.8)	0.7 (0.4-1.4)
3	11 (5.7-19)	6.5 (3.3-11)	3.7 (1.8-6.5)	2.9 (1.4-5.1)	2.2 (1.1-4.0)	1.7 (0.9-3.1)	1.3 (0.7-2.4)
4	18 (9.9-27)	11 (5.8-17)	6.4 (3.2-9.8)	5.0 (2.5-7.7)	3.9 (2.0-6.0)	3.0 (1.5-4.7)	2.4 (1.2-3.6)
5	29 (19-36)	19 (11-24)	11 (6.7-14)	8.6 (5.2-11)	6.7 (4.0-8.7)	5.2 (3.1-6.8)	4.1 (2.4-5.3)
6	44	30	18	14	11	8.8	6.9

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

Age = 65 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	3.0	1.8	1.0	0.8	0.6	0.5	0.4
1	5.1 (3.9-7.3)	3.1 (2.3-4.3)	1.8 (1.3-2.5)	1.4 (1.0-1.9)	1.1 (0.8-1.5)	0.8 (0.6-1.1)	0.6 (0.5-0.9)
2	8.6 (5.4-13)	5.2 (3.3-8.5)	3.1 (1.9-5.0)	2.4 (1.5-3.9)	1.8 (1.1-3.0)	1.4 (0.9-2.3)	1.1 (0.7-1.8)
3	14 (8.2-22)	8.8 (5.0-14)	5.2 (2.9-8.7)	4.1 (2.3-6.8)	3.1 (1.7-5.3)	2.4 (1.3-4.1)	1.9 (1.0-3.2)
4	22 (14-31)	14 (8.6-21)	8.8 (5.1-13)	6.8 (3.9-10)	5.3 (3.1-7.9)	4.1 (2.4-6.2)	3.2 (1.8-4.8)
5	33 (24-39)	23 (16-28)	14 (10-18)	11 (7.8-14)	8.8 (6.1-11)	6.9 (4.7-8.7)	5.3 (3.6-6.8)
6	47	35	23	18	14	11	8.8

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	3.9	2.5	1.5	1.2	0.9	0.7	0.5
1	6.8 (5.2-8.1)	4.4 (3.4-5.2)	2.7 (2.1-3.2)	2.1 (1.6-2.5)	1.6 (1.3-1.9)	1.2 (1.0-1.5)	0.9 (0.7-1.1)
2	12 (7.7-16)	7.8 (5.1-11)	4.8 (3.2-6.6)	3.7 (2.5-5.1)	2.9 (1.9-4.0)	2.2 (1.5-3.1)	1.7 (1.1-2.4)
3	19 (13-26)	13 (8.9-19)	8.5 (5.6-13)	6.6 (4.3-9.8)	5.1 (3.3-7.6)	4.0 (2.6-5.9)	3.0 (2.0-4.5)
4	29 (21-40)	22 (15-30)	15 (10-21)	11 (8.0-16)	8.9 (6.2-13)	6.9 (4.8-10)	5.3 (3.7-7.8)
5	42 (37-51)	34 (29-41)	24 (20-30)	19 (16-24)	15 (13-19)	12 (9.9-15)	9.2 (7.6-12)
6	56	48	38	31	25	20	15

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

Age = 75 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	4.8	3.3	2.1	1.6	1.3	1.0	0.7
1	8.7 (5.9-15)	6.3 (4.3-11)	4.2 (2.9-7.3)	3.2 (2.2-5.6)	2.5 (1.7-4.3)	1.9 (1.3-3.3)	1.4 (1.0-2.6)
2	15 (8.8-25)	11 (6.5-19)	7.8 (4.4-13)	6.0 (3.4-10)	4.6 (2.6-7.7)	3.5 (2.0-6.0)	2.7 (1.5-4.6)
3	24 (13-38)	19 (10-30)	14 (7.6-22)	11 (5.9-17)	8.4 (4.5-13)	6.5 (3.4-10)	5.0 (2.6-8.1)
4	36 (21-48)	30 (17-42)	23 (13-34)	18 (10-28)	15 (7.8-22)	11 (5.9-17)	8.8 (4.5-14)
5	49 (33-58)	43 (28-53)	36 (22-45)	30 (17-38)	24 (13-31)	19 (10-25)	15 (8.0-20)
6	61	57	51	44	37	30	24

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	5.7	4.3	3.0	2.3	1.7	1.3	1.0
1	9.9 (6.7-18)	7.7 (5.3-14)	5.5 (3.8-9.8)	4.2 (2.9-7.6)	3.2 (2.2-5.8)	2.4 (1.7-4.5)	1.9 (1.3-3.4)
2	16 (9.8-27)	13 (7.9-22)	9.7 (5.8-16)	7.5 (4.4-13)	5.8 (3.4-10)	4.4 (2.6-7.7)	3.4 (1.9-5.9)
3	25 (14-37)	21 (12-32)	16 (8.8-26)	13 (6.8-21)	9.9 (5.2-16)	7.6 (3.9-13)	5.9 (3.0-9.7)
4	35 (20-47)	31 (17-42)	26 (14-36)	21 (11-29)	16 (8.3-23)	13 (6.3-19)	9.8 (4.8-14)
5	47 (31-56)	43 (27-52)	38 (23-46)	31 (18-39)	25 (14-32)	20 (11-26)	16 (8.3-21)
6	59	55	51	44	37	30	24

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

Age = 85 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	6.0	4.7	3.4	2.6	2.0	1.5	1.1
1	10 (7.1-19)	8.3 (5.7-15)	6.2 (4.3-11)	4.7 (3.3-8.6)	3.6 (2.5-6.6)	2.7 (1.9-5.1)	2.1 (1.4-3.9)
2	17 (10-29)	14 (8.4-24)	11 (6.4-18)	8.3 (4.9-14)	6.4 (3.7-11)	4.9 (2.8-8.7)	3.7 (2.1-6.7)
3	26 (15-38)	22 (12-33)	18 (9.8-28)	14 (7.5-22)	11 (5.7-17)	8.4 (4.4-14)	6.4 (3.3-11)
4	37 (21-48)	32 (18-43)	27 (15-38)	22 (12-31)	17 (8.9-25)	14 (6.8-20)	11 (5.2-16)
5	48 (32-57)	44 (28-53)	39 (24-48)	33 (19-41)	27 (15-34)	21 (11-28)	17 (8.8-22)
6	59	56	52	45	38	31	25

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	5.2	4.0	2.9	2.2	1.7	1.3	0.9
1	9.2 (6.2-16)	7.1 (4.9-13)	5.3 (3.6-9.6)	4.0 (2.8-7.4)	3.1 (2.1-5.6)	2.3 (1.6-4.3)	1.8 (1.2-3.3)
2	15 (9.2-26)	12 (7.3-21)	9.3 (5.5-16)	7.1 (4.2-12)	5.5 (3.2-9.6)	4.2 (2.4-7.4)	3.2 (1.8-5.7)
3	23 (13-35)	19 (11-30)	15 (8.3-24)	12 (6.4-19)	9.3 (4.9-15)	7.2 (3.7-12)	5.5 (2.8-9.0)
4	34 (19-45)	29 (16-40)	24 (13-34)	19 (10-27)	15 (7.7-22)	12 (5.8-17)	9.1 (4.4-13)
5	45 (29-54)	41 (25-50)	36 (21-44)	29 (17-37)	24 (13-30)	19 (9.9-24)	15 (7.6-19)
6	55	53	49	41	35	28	23