

Armenia - The probabilities of a hip fracture in men

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	0.4	0.2	0.1	0.1	0.1	0.1	0.0
1	0.7 (0.5-1.5)	0.4 (0.3-0.9)	0.2 (0.2-0.5)	0.2 (0.1-0.4)	0.1 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.2)
2	1.4 (0.7-2.8)	0.8 (0.4-1.7)	0.5 (0.2-1.0)	0.4 (0.2-0.8)	0.3 (0.1-0.6)	0.2 (0.1-0.5)	0.2 (0.1-0.4)
3	2.5 (1.0-4.8)	1.5 (0.6-3.0)	0.9 (0.4-1.8)	0.7 (0.3-1.4)	0.5 (0.2-1.1)	0.4 (0.2-0.8)	0.3 (0.1-0.6)
4	4.4 (1.8-7.3)	2.8 (1.1-4.6)	1.6 (0.6-2.7)	1.3 (0.5-2.1)	1.0 (0.4-1.6)	0.7 (0.3-1.2)	0.6 (0.2-1.0)
5	7.5 (3.3-9.6)	4.8 (2.1-6.3)	2.9 (1.3-3.9)	2.2 (1.0-3.0)	1.7 (0.8-2.3)	1.3 (0.6-1.8)	1.0 (0.5-1.4)
6	12	8.2	5.0	3.9	3.0	2.3	1.8

Ten year probability of hip 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 ²)						
	15	20	25	30	35	40	45
0	0.6	0.4	0.2	0.2	0.1	0.1	0.1
1	1.1 (0.8-2.0)	0.7 (0.5-1.2)	0.4 (0.3-0.7)	0.3 (0.2-0.6)	0.2 (0.2-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.3)
2	1.9 (1.0-3.5)	1.2 (0.7-2.3)	0.7 (0.4-1.4)	0.6 (0.3-1.1)	0.4 (0.2-0.8)	0.3 (0.2-0.6)	0.3 (0.1-0.5)
3	3.4 (1.6-6.1)	2.2 (1.0-4.0)	1.3 (0.6-2.5)	1.0 (0.5-1.9)	0.8 (0.4-1.5)	0.6 (0.3-1.1)	0.5 (0.2-0.9)
4	5.7 (2.7-9.2)	3.8 (1.8-6.1)	2.3 (1.1-3.8)	1.8 (0.8-2.9)	1.4 (0.6-2.2)	1.1 (0.5-1.7)	0.8 (0.4-1.3)
5	9.4 (4.8-12)	6.4 (3.3-8.1)	4.0 (2.1-5.3)	3.1 (1.6-4.0)	2.4 (1.2-3.1)	1.8 (0.9-2.4)	1.4 (0.7-1.8)
6	15	11	6.8	5.3	4.1	3.1	2.4

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	0.8	0.5	0.3	0.3	0.2	0.2	0.1
1	1.4 (1.1-2.4)	1.0 (0.7-1.6)	0.6 (0.4-1.0)	0.5 (0.3-0.7)	0.4 (0.3-0.6)	0.3 (0.2-0.4)	0.2 (0.2-0.3)
2	2.4 (1.4-4.1)	1.7 (1.0-2.8)	1.1 (0.6-1.8)	0.8 (0.5-1.4)	0.6 (0.4-1.1)	0.5 (0.3-0.8)	0.4 (0.2-0.6)
3	4.0 (2.1-6.9)	2.8 (1.4-4.9)	1.8 (0.9-3.2)	1.4 (0.7-2.5)	1.1 (0.5-1.9)	0.8 (0.4-1.4)	0.6 (0.3-1.1)
4	6.5 (3.4-10)	4.7 (2.5-7.3)	3.1 (1.6-4.9)	2.4 (1.3-3.7)	1.8 (1.0-2.9)	1.4 (0.7-2.2)	1.1 (0.6-1.7)
5	10 (5.9-13)	7.6 (4.4-9.5)	5.2 (3.0-6.5)	4.0 (2.3-5.0)	3.0 (1.8-3.8)	2.3 (1.3-2.9)	1.8 (1.0-2.2)
6	16	12	8.4	6.5	5.0	3.8	2.9

Ten year probability of hip 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 ²)						
	15	20	25	30	35	40	45
0	1.1	0.8	0.5	0.4	0.3	0.2	0.2
1	1.8 (1.3-2.6)	1.3 (1.0-1.9)	0.8 (0.7-1.2)	0.6 (0.5-0.9)	0.5 (0.4-0.7)	0.4 (0.3-0.6)	0.3 (0.2-0.4)
2	2.8 (1.7-4.6)	2.1 (1.3-3.3)	1.4 (0.9-2.2)	1.1 (0.7-1.7)	0.8 (0.5-1.3)	0.6 (0.4-1.0)	0.5 (0.3-0.7)
3	4.5 (2.6-7.1)	3.4 (1.9-5.5)	2.4 (1.3-3.9)	1.8 (1.0-3.0)	1.4 (0.8-2.3)	1.0 (0.6-1.7)	0.8 (0.4-1.3)
4	7.0 (4.0-11)	5.4 (3.1-8.1)	3.8 (2.3-5.8)	2.9 (1.8-4.5)	2.2 (1.3-3.4)	1.7 (1.0-2.6)	1.3 (0.8-2.0)
5	11 (6.9-13)	8.4 (5.5-10)	6.1 (4.0-7.6)	4.7 (3.1-5.8)	3.6 (2.3-4.5)	2.7 (1.8-3.4)	2.1 (1.3-2.6)
6	16	13	9.6	7.4	5.7	4.3	3.3

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	1.3	1.0	0.7	0.5	0.4	0.3	0.2
1	2.2 (1.5-2.7)	1.7 (1.2-2.1)	1.2 (0.9-1.5)	0.9 (0.7-1.1)	0.7 (0.5-0.8)	0.5 (0.4-0.6)	0.4 (0.3-0.5)
2	3.6 (2.3-5.6)	2.8 (1.8-4.3)	2.1 (1.3-3.1)	1.6 (1.0-2.3)	1.2 (0.8-1.8)	0.9 (0.6-1.4)	0.7 (0.4-1.0)
3	6.0 (3.4-9.5)	4.7 (2.8-7.4)	3.6 (2.2-5.4)	2.7 (1.6-4.1)	2.0 (1.2-3.1)	1.5 (0.9-2.4)	1.2 (0.7-1.8)
4	9.6 (5.9-14)	7.8 (4.8-11)	6.0 (3.8-8.8)	4.5 (2.9-6.8)	3.5 (2.2-5.1)	2.6 (1.6-3.9)	2.0 (1.2-3.0)
5	15 (12-20)	12 (9.8-16)	9.8 (7.8-13)	7.5 (6.0-10)	5.7 (4.5-7.7)	4.3 (3.4-5.9)	3.3 (2.6-4.5)
6	22	19	15	12	9.3	7.1	5.4

Ten year probability of hip 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 ²)						
	15	20	25	30	35	40	45
0	1.5	1.2	0.9	0.7	0.5	0.4	0.3
1	2.8 (1.8-5.1)	2.3 (1.5-4.2)	1.8 (1.2-3.2)	1.3 (0.9-2.4)	1.0 (0.6-1.8)	0.8 (0.5-1.4)	0.6 (0.4-1.0)
2	4.9 (2.6-9.0)	4.1 (2.1-7.4)	3.2 (1.8-5.7)	2.4 (1.3-4.4)	1.8 (1.0-3.3)	1.4 (0.7-2.5)	1.0 (0.6-1.9)
3	8.4 (3.9-15)	7.0 (3.2-12)	5.7 (2.7-9.8)	4.3 (2.0-7.5)	3.2 (1.5-5.7)	2.4 (1.1-4.4)	1.8 (0.8-3.3)
4	13 (6.6-21)	12 (5.6-18)	9.5 (4.6-15)	7.3 (3.5-11)	5.6 (2.6-8.7)	4.2 (2.0-6.7)	3.2 (1.5-5.0)
5	21 (11-28)	18 (9.7-24)	15 (8.2-21)	12 (6.2-16)	9.2 (4.7-13)	7.0 (3.5-9.8)	5.3 (2.6-7.5)
6	30	27	24	19	15	11	8.7

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	2.0	1.6	1.3	1.0	0.7	0.5	0.4
1	3.5 (2.3-6.6)	2.9 (1.9-5.5)	2.4 (1.6-4.4)	1.8 (1.2-3.3)	1.3 (0.9-2.5)	1.0 (0.6-1.9)	0.7 (0.5-1.4)
2	6.0 (3.3-11)	5.1 (2.8-9.3)	4.1 (2.3-7.6)	3.1 (1.7-5.8)	2.3 (1.3-4.4)	1.8 (1.0-3.3)	1.3 (0.7-2.5)
3	9.8 (4.9-16)	8.4 (4.2-14)	6.9 (3.5-11)	5.3 (2.6-8.7)	4.0 (2.0-6.6)	3.0 (1.5-5.0)	2.3 (1.1-3.8)
4	15 (7.5-23)	13 (6.3-20)	11 (5.3-16)	8.6 (4.0-13)	6.6 (3.0-9.8)	5.0 (2.3-7.5)	3.8 (1.7-5.7)
5	23 (12-30)	20 (11-26)	17 (9.1-23)	14 (6.9-18)	10 (5.2-14)	8.0 (3.9-11)	6.1 (2.9-8.4)
6	32	29	26	20	16	12	9.6

Ten year probability of hip 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 ²)						
	15	20	25	30	35	40	45
0	2.5	2.1	1.6	1.2	0.9	0.7	0.5
1	4.5 (2.9-8.3)	3.7 (2.4-6.9)	2.9 (1.9-5.5)	2.2 (1.5-4.1)	1.7 (1.1-3.1)	1.2 (0.8-2.4)	0.9 (0.6-1.8)
2	7.6 (4.2-14)	6.3 (3.5-12)	5.1 (2.9-9.3)	3.9 (2.2-7.1)	2.9 (1.6-5.4)	2.2 (1.2-4.1)	1.7 (0.9-3.1)
3	12 (6.3-20)	10 (5.3-17)	8.6 (4.4-14)	6.6 (3.3-11)	5.0 (2.5-8.2)	3.8 (1.9-6.3)	2.8 (1.4-4.7)
4	19 (9.4-27)	16 (8.0-24)	14 (6.7-20)	11 (5.1-16)	8.2 (3.8-12)	6.2 (2.9-9.3)	4.7 (2.1-7.1)
5	27 (15-35)	24 (13-31)	21 (11-27)	17 (8.6-22)	13 (6.6-17)	10 (5.0-13)	7.6 (3.7-10)
6	37	34	30	25	20	15	12

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	2.6	2.1	1.6	1.2	0.9	0.7	0.5
1	4.7 (3.1-8.6)	3.7 (2.5-6.9)	2.9 (1.9-5.4)	2.2 (1.5-4.1)	1.6 (1.1-3.1)	1.2 (0.8-2.3)	0.9 (0.6-1.8)
2	7.9 (4.5-14)	6.5 (3.7-12)	5.1 (2.9-9.2)	3.9 (2.2-7.0)	2.9 (1.7-5.3)	2.2 (1.2-4.0)	1.7 (0.9-3.1)
3	13 (6.7-21)	11 (5.6-17)	8.6 (4.5-14)	6.6 (3.4-11)	5.0 (2.6-8.2)	3.8 (1.9-6.3)	2.9 (1.4-4.7)
4	20 (10-28)	17 (8.4-24)	14 (6.9-20)	11 (5.2-16)	8.3 (3.9-12)	6.3 (3.0-9.4)	4.8 (2.2-7.2)
5	28 (16-36)	25 (14-32)	21 (12-28)	17 (8.9-22)	13 (6.8-18)	10 (5.1-14)	7.8 (3.9-11)
6	38	35	31	25	20	16	12