

**Kazakhstan - 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/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 Kazakhstan. 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	0.8	0.5	0.3	0.2	0.2	0.1	0.1
1	1.6 (1.1-3.2)	0.9 (0.6-1.9)	0.5 (0.4-1.1)	0.4 (0.3-0.8)	0.3 (0.2-0.6)	0.2 (0.2-0.5)	0.2 (0.1-0.4)
2	3.0 (1.5-6.0)	1.8 (0.9-3.7)	1.0 (0.5-2.2)	0.8 (0.4-1.7)	0.6 (0.3-1.3)	0.5 (0.2-1.0)	0.4 (0.2-0.8)
3	5.4 (2.3-10)	3.3 (1.4-6.4)	1.9 (0.8-3.8)	1.5 (0.6-2.9)	1.1 (0.5-2.3)	0.9 (0.4-1.8)	0.7 (0.3-1.4)
4	9.4 (3.9-15)	5.9 (2.4-9.6)	3.5 (1.4-5.7)	2.7 (1.1-4.4)	2.1 (0.8-3.4)	1.6 (0.6-2.7)	1.2 (0.5-2.1)
5	16 (7.3-20)	10 (4.6-13)	6.1 (2.8-8.1)	4.8 (2.1-6.3)	3.7 (1.7-4.9)	2.9 (1.3-3.8)	2.2 (1.0-2.9)
6	25	17	11	8.2	6.4	5.0	3.8

**Age = 55 years**

Number of CRFs	BMI kg/m <sup>2</sup>						
	15	20	25	30	35	40	45
0	1.2	0.7	0.4	0.3	0.3	0.2	0.2
1	2.2 (1.6-4.0)	1.4 (1.0-2.5)	0.8 (0.6-1.4)	0.6 (0.4-1.1)	0.5 (0.3-0.9)	0.4 (0.3-0.7)	0.3 (0.2-0.5)
2	4.0 (2.2-7.4)	2.5 (1.4-4.7)	1.5 (0.8-2.9)	1.2 (0.6-2.2)	0.9 (0.5-1.7)	0.7 (0.4-1.3)	0.5 (0.3-1.0)
3	7.0 (3.3-13)	4.5 (2.1-8.2)	2.7 (1.2-5.0)	2.1 (0.9-3.9)	1.6 (0.7-3.0)	1.2 (0.6-2.3)	1.0 (0.4-1.8)
4	12 (5.7-18)	7.7 (3.6-12)	4.7 (2.2-7.6)	3.7 (1.7-5.9)	2.8 (1.3-4.6)	2.2 (1.0-3.5)	1.7 (0.8-2.7)
5	19 (10.0-23)	13 (6.7-16)	8.1 (4.2-11)	6.3 (3.3-8.2)	4.9 (2.5-6.3)	3.8 (1.9-4.9)	2.9 (1.5-3.8)
6	29	21	14	11	8.2	6.4	4.9

Ten years probability of hip fractures (%) according to BMI, the number of clinical risk factors (CRF) and age in men from Kazakhstan.

Age = 60 years

Number of CRFs	BMI kg/m <sup>2</sup>						
	15	20	25	30	35	40	45
0	1.7	1.1	0.7	0.5	0.4	0.3	0.2
1	3.0 (2.2-4.9)	1.9 (1.4-3.2)	1.2 (0.9-1.9)	0.9 (0.7-1.5)	0.7 (0.5-1.1)	0.5 (0.4-0.9)	0.4 (0.3-0.7)
2	5.1 (2.9-8.4)	3.4 (2.0-5.7)	2.1 (1.2-3.7)	1.6 (0.9-2.8)	1.3 (0.7-2.2)	1.0 (0.6-1.7)	0.7 (0.4-1.3)
3	8.3 (4.4-14)	5.7 (3.0-9.9)	3.7 (1.9-6.4)	2.8 (1.4-5.0)	2.2 (1.1-3.8)	1.7 (0.8-2.9)	1.3 (0.6-2.3)
4	13 (7.3-20)	9.4 (5.2-15)	6.2 (3.3-9.6)	4.8 (2.5-7.5)	3.7 (1.9-5.8)	2.8 (1.5-4.4)	2.2 (1.1-3.4)
5	20 (12-25)	15 (9.0-18)	10 (6.1-13)	8.0 (4.7-10)	6.1 (3.6-7.7)	4.7 (2.8-6.0)	3.6 (2.1-4.6)
6	29	23	16	13	10	7.7	6.0

Age = 65 years

Number of CRFs	BMI kg/m <sup>2</sup>						
	15	20	25	30	35	40	45
0	2.3	1.6	1.0	0.8	0.6	0.5	0.3
1	3.7 (2.8-5.5)	2.6 (2.0-3.8)	1.7 (1.3-2.5)	1.3 (1.0-1.9)	1.0 (0.8-1.5)	0.8 (0.6-1.1)	0.6 (0.5-0.9)
2	6.0 (3.7-9.4)	4.3 (2.7-6.6)	2.9 (1.8-4.5)	2.2 (1.4-3.5)	1.7 (1.0-2.6)	1.3 (0.8-2.0)	1.0 (0.6-1.5)
3	9.3 (5.5-15)	6.9 (4.0-11)	4.8 (2.7-7.8)	3.7 (2.1-6.0)	2.8 (1.6-4.6)	2.1 (1.2-3.5)	1.6 (0.9-2.7)
4	14 (8.5-21)	11 (6.6-16)	7.7 (4.7-12)	5.9 (3.6-9.0)	4.6 (2.8-6.9)	3.5 (2.1-5.3)	2.7 (1.6-4.1)
5	21 (14-26)	17 (11-20)	12 (8.2-15)	9.5 (6.3-12)	7.3 (4.8-9.0)	5.6 (3.7-6.9)	4.3 (2.8-5.3)
6	29	24	19	15	11	8.8	6.8

Ten years probability of hip fractures (%) according to BMI, the number of clinical risk factors (CRF) and age in men from Kazakhstan.

Age = 70 years

Number of CRFs	BMI kg/m <sup>2</sup>						
	15	20	25	30	35	40	45
0	2.8	2.1	1.4	1.1	0.8	0.6	0.5
1	4.7 (3.3-5.8)	3.6 (2.6-4.4)	2.5 (1.9-3.0)	1.9 (1.4-2.3)	1.4 (1.1-1.8)	1.1 (0.8-1.3)	0.8 (0.6-1.0)
2	7.7 (4.9-12)	6.0 (3.9-8.9)	4.3 (2.8-6.3)	3.3 (2.1-4.8)	2.5 (1.6-3.7)	1.9 (1.2-2.8)	1.4 (0.9-2.2)
3	12 (7.4-19)	9.9 (6.0-15)	7.4 (4.7-11)	5.7 (3.5-8.3)	4.3 (2.7-6.4)	3.3 (2.0-4.9)	2.5 (1.5-3.8)
4	19 (12-26)	16 (10-22)	12 (8.0-18)	9.4 (6.1-14)	7.2 (4.6-11)	5.5 (3.5-8.2)	4.2 (2.7-6.2)
5	28 (23-35)	24 (19-30)	19 (16-25)	15 (12-20)	12 (9.5-15)	9.1 (7.2-12)	7.0 (5.5-9.3)
6	39	34	29	23	18	14	11

Age = 75 years

Number of CRFs	BMI kg/m <sup>2</sup>						
	15	20	25	30	35	40	45
0	3.6	2.9	2.1	1.6	1.2	0.9	0.7
1	6.5 (4.2-12)	5.3 (3.4-9.4)	3.9 (2.6-7.0)	3.0 (2.0-5.4)	2.3 (1.5-4.1)	1.7 (1.1-3.1)	1.3 (0.9-2.4)
2	11 (5.9-19)	9.2 (5.0-16)	7.1 (4.0-12)	5.5 (3.0-9.5)	4.2 (2.3-7.3)	3.2 (1.7-5.6)	2.4 (1.3-4.3)
3	18 (8.7-29)	15 (7.5-25)	12 (6.2-20)	9.5 (4.7-16)	7.3 (3.5-12)	5.6 (2.7-9.5)	4.2 (2.0-7.3)
4	26 (14-38)	23 (12-34)	20 (10-29)	16 (8.0-23)	12 (6.1-19)	9.4 (4.6-15)	7.2 (3.5-11)
5	37 (23-46)	34 (20-43)	30 (18-39)	24 (14-32)	19 (11-26)	15 (8.1-21)	12 (6.2-16)
6	49	46	42	35	29	23	19

Ten years probability of hip fractures (%) according to BMI, the number of clinical risk factors (CRF) and age in men from Kazakhstan.

Age = 80 years

Number of CRFs	BMI kg/m <sup>2</sup>						
	15	20	25	30	35	40	45
0	5.2	4.3	3.2	2.4	1.8	1.4	1.0
1	9.0 (6.0-16)	7.5 (5.0-14)	5.8 (4.0-11)	4.4 (3.0-8.1)	3.4 (2.3-6.2)	2.5 (1.7-4.7)	1.9 (1.3-3.6)
2	15 (8.4-25)	12 (7.2-22)	10 (6.0-17)	7.7 (4.5-14)	5.9 (3.4-11)	4.5 (2.6-8.1)	3.4 (1.9-6.2)
3	22 (12-34)	19 (11-30)	16 (9.0-25)	13 (6.8-20)	9.9 (5.2-16)	7.6 (3.9-12)	5.8 (2.9-9.4)
4	31 (18-43)	28 (15-39)	25 (13-34)	20 (10-28)	16 (7.8-23)	12 (5.9-18)	9.5 (4.5-14)
5	42 (27-51)	39 (24-48)	35 (21-44)	29 (17-37)	24 (13-31)	19 (10-25)	15 (7.7-20)
6	53	51	47	40	34	28	22

Age = 85 years

Number of CRFs	BMI kg/m <sup>2</sup>						
	15	20	25	30	35	40	45
0	7.5	6.3	4.9	3.7	2.8	2.1	1.6
1	13 (8.5-22)	11 (7.3-19)	8.7 (5.9-15)	6.7 (4.5-12)	5.1 (3.4-9.3)	3.8 (2.6-7.1)	2.9 (1.9-5.4)
2	20 (12-32)	17 (10-29)	14 (8.7-25)	11 (6.6-20)	8.7 (5.0-15)	6.7 (3.8-12)	5.1 (2.8-9.2)
3	29 (17-42)	26 (15-39)	22 (13-34)	18 (9.8-28)	14 (7.5-22)	11 (5.7-18)	8.4 (4.3-14)
4	39 (24-52)	36 (21-48)	33 (18-44)	27 (14-37)	22 (11-30)	17 (8.5-25)	13 (6.5-20)
5	50 (35-59)	47 (31-56)	44 (28-53)	37 (23-46)	31 (18-39)	25 (14-33)	20 (11-27)
6	60	58	56	49	42	35	29

Ten years probability of hip fractures (%) according to BMI, the number of clinical risk factors (CRF) and age in men from Kazakhstan.

Age = 90 years

Number of CRFs	BMI kg/m <sup>2</sup>						
	15	20	25	30	35	40	45
0	11	9.2	7.3	5.6	4.2	3.2	2.4
1	18 (12-29)	15 (10-26)	13 (8.7-22)	9.8 (6.7-17)	7.5 (5.0-14)	5.7 (3.8-10)	4.3 (2.9-8.0)
2	26 (17-41)	23 (14-38)	20 (13-33)	16 (9.6-27)	13 (7.3-22)	9.7 (5.6-17)	7.4 (4.2-13)
3	36 (23-51)	33 (20-48)	30 (18-44)	24 (14-37)	20 (11-30)	16 (8.2-24)	12 (6.3-19)
4	47 (31-60)	44 (28-57)	41 (25-54)	35 (20-47)	29 (16-40)	23 (12-33)	19 (9.4-27)
5	57 (43-65)	56 (40-64)	53 (37-62)	46 (30-55)	40 (25-48)	33 (20-42)	27 (15-35)
6	64	65	64	58	51	44	38