

**Russia - 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 Russia. 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	0.5	0.3	0.2	0.1	0.1	0.1	0.1
1	0.9 (0.6-1.9)	0.6 (0.4-1.2)	0.3 (0.2-0.7)	0.3 (0.2-0.5)	0.2 (0.1-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
2	1.7 (0.9-3.4)	1.1 (0.5-2.2)	0.7 (0.3-1.4)	0.5 (0.3-1.1)	0.4 (0.2-0.8)	0.3 (0.2-0.6)	0.2 (0.1-0.5)
3	3.1 (1.3-6.0)	2.0 (0.8-3.9)	1.2 (0.5-2.4)	0.9 (0.4-1.9)	0.7 (0.3-1.4)	0.6 (0.2-1.1)	0.4 (0.2-0.8)
4	5.4 (2.3-8.9)	3.6 (1.5-5.9)	2.2 (0.9-3.7)	1.7 (0.7-2.8)	1.3 (0.5-2.2)	1.0 (0.4-1.7)	0.8 (0.3-1.3)
5	9.0 (4.0-11)	6.1 (2.7-7.9)	3.9 (1.7-5.1)	3.0 (1.3-3.9)	2.3 (1.0-3.0)	1.8 (0.8-2.3)	1.4 (0.6-1.8)
6	14	10	6.6	5.1	3.9	3.0	2.3

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

**Age = 55 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	0.6	0.4	0.2	0.2	0.1	0.1	0.1
1	1.2 (0.9-2.2)	0.8 (0.5-1.4)	0.5 (0.3-0.8)	0.4 (0.3-0.6)	0.3 (0.2-0.5)	0.2 (0.2-0.4)	0.2 (0.1-0.3)
2	2.1 (1.1-3.8)	1.4 (0.7-2.6)	0.9 (0.5-1.6)	0.7 (0.4-1.3)	0.5 (0.3-1.0)	0.4 (0.2-0.7)	0.3 (0.2-0.6)
3	3.7 (1.7-6.6)	2.4 (1.1-4.5)	1.5 (0.7-2.9)	1.2 (0.5-2.2)	0.9 (0.4-1.7)	0.7 (0.3-1.3)	0.5 (0.2-1.0)
4	6.1 (2.9-9.8)	4.2 (2.0-6.8)	2.7 (1.2-4.3)	2.1 (0.9-3.3)	1.6 (0.7-2.6)	1.2 (0.6-2.0)	0.9 (0.4-1.5)
5	9.9 (5.0-13)	7.0 (3.6-8.8)	4.6 (2.3-5.9)	3.5 (1.8-4.6)	2.7 (1.4-3.5)	2.1 (1.0-2.7)	1.6 (0.8-2.1)
6	16	11	7.7	5.9	4.6	3.5	2.7

**Age = 60 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	0.8	0.5	0.3	0.3	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 (0.3-0.8)	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 (0.6-1.9)	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 (2.1-6.8)	2.8 (1.5-4.9)	1.8 (0.9-3.2)	1.4 (0.7-2.5)	1.1 (0.5-1.9)	0.8 (0.4-1.5)	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 (1.3-3.8)	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)	3.1 (1.8-3.8)	2.3 (1.3-2.9)	1.8 (1.0-2.2)
6	16	12	8.5	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 Russia.

Age = 65 years

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	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 (1.4-2.8)	1.3 (1.0-1.9)	0.9 (0.7-1.3)	0.7 (0.5-1.0)	0.5 (0.4-0.7)	0.4 (0.3-0.6)	0.3 (0.2-0.4)
2	3.0 (1.8-4.8)	2.2 (1.3-3.4)	1.5 (0.9-2.3)	1.1 (0.7-1.8)	0.9 (0.5-1.3)	0.7 (0.4-1.0)	0.5 (0.3-0.8)
3	4.7 (2.7-7.4)	3.5 (2.0-5.7)	2.4 (1.4-4.0)	1.9 (1.1-3.1)	1.4 (0.8-2.4)	1.1 (0.6-1.8)	0.8 (0.5-1.4)
4	7.2 (4.1-11)	5.6 (3.3-8.5)	4.0 (2.4-6.1)	3.0 (1.8-4.7)	2.3 (1.4-3.6)	1.8 (1.1-2.7)	1.3 (0.8-2.1)
5	11 (7.1-14)	8.7 (5.7-11)	6.4 (4.2-7.9)	4.9 (3.2-6.1)	3.7 (2.4-4.6)	2.8 (1.8-3.5)	2.2 (1.4-2.7)
6	16	13	10	7.7	5.9	4.5	3.4

Age = 70 years

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	1.7	1.3	0.9	0.7	0.5	0.4	0.3
1	2.9 (2.0-3.6)	2.2 (1.6-2.7)	1.5 (1.1-1.8)	1.2 (0.9-1.4)	0.9 (0.7-1.1)	0.7 (0.5-0.8)	0.5 (0.4-0.6)
2	4.7 (2.9-7.3)	3.7 (2.4-5.6)	2.6 (1.7-3.9)	2.0 (1.3-3.0)	1.5 (1.0-2.3)	1.2 (0.7-1.7)	0.9 (0.6-1.3)
3	7.7 (4.4-12)	6.2 (3.7-9.5)	4.6 (2.9-6.7)	3.5 (2.2-5.1)	2.6 (1.6-3.9)	2.0 (1.2-3.0)	1.5 (0.9-2.3)
4	12 (7.5-18)	10 (6.3-15)	7.7 (5.0-11)	5.9 (3.8-8.6)	4.5 (2.8-6.6)	3.4 (2.1-5.1)	2.6 (1.6-3.8)
5	18 (15-24)	16 (13-21)	12 (10-16)	9.6 (7.7-13)	7.4 (5.9-9.8)	5.6 (4.5-7.6)	4.3 (3.4-5.8)
6	26	23	20	15	12	9.2	7.0

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

**Age = 75 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	2.6	2.0	1.5	1.1	0.8	0.6	0.5
1	4.7 (3.0-8.4)	3.7 (2.4-6.8)	2.8 (1.9-5.0)	2.1 (1.4-3.8)	1.6 (1.1-2.9)	1.2 (0.8-2.2)	0.9 (0.6-1.7)
2	8.0 (4.2-14)	6.6 (3.6-12)	5.1 (2.8-8.8)	3.9 (2.1-6.8)	2.9 (1.6-5.2)	2.2 (1.2-4.0)	1.7 (0.9-3.0)
3	13 (6.3-23)	11 (5.4-19)	8.9 (4.4-15)	6.8 (3.3-12)	5.2 (2.5-8.9)	4.0 (1.9-6.8)	3.0 (1.4-5.2)
4	20 (11-31)	18 (9.1-27)	15 (7.6-22)	12 (5.8-18)	8.9 (4.4-14)	6.8 (3.3-11)	5.2 (2.5-8.2)
5	30 (18-38)	27 (15-35)	23 (13-31)	18 (10-25)	15 (7.7-20)	11 (5.8-15)	8.7 (4.4-12)
6	41	38	34	28	22	18	14

**Age = 80 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	3.9	3.2	2.4	1.8	1.4	1.0	0.8
1	6.7 (4.4-12)	5.6 (3.7-10)	4.4 (3.0-8.0)	3.3 (2.2-6.1)	2.5 (1.7-4.7)	1.9 (1.3-3.5)	1.4 (0.9-2.7)
2	11 (6.2-20)	9.4 (5.3-17)	7.6 (4.5-13)	5.8 (3.4-10)	4.4 (2.5-8.0)	3.4 (1.9-6.1)	2.5 (1.4-4.7)
3	17 (9.1-27)	15 (7.9-24)	13 (6.7-20)	9.7 (5.1-16)	7.5 (3.8-12)	5.7 (2.9-9.3)	4.3 (2.1-7.1)
4	25 (13-36)	23 (12-32)	20 (10-28)	15 (7.7-22)	12 (5.8-18)	9.3 (4.4-14)	7.1 (3.3-11)
5	35 (21-44)	32 (19-40)	29 (16-37)	23 (13-30)	19 (9.8-25)	15 (7.5-20)	11 (5.7-15)
6	46	43	40	33	27	22	17

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

Age = 85 years

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	5.4	4.4	3.4	2.5	1.9	1.4	1.1
1	9.4 (6.3-17)	7.8 (5.2-14)	6.1 (4.1-11)	4.6 (3.1-8.5)	3.5 (2.3-6.5)	2.7 (1.8-4.9)	2.0 (1.3-3.7)
2	15 (8.9-26)	13 (7.6-22)	10 (6.2-18)	8.0 (4.7-14)	6.1 (3.5-11)	4.7 (2.7-8.4)	3.5 (2.0-6.4)
3	23 (13-35)	20 (11-31)	17 (9.3-26)	13 (7.1-21)	10 (5.4-16)	7.9 (4.0-13)	6.0 (3.0-9.7)
4	33 (19-45)	29 (16-40)	26 (14-35)	21 (11-29)	16 (8.1-23)	13 (6.2-18)	9.8 (4.7-14)
5	44 (28-52)	40 (25-49)	36 (22-45)	30 (17-38)	25 (13-32)	20 (10-26)	15 (7.9-20)
6	54	52	49	42	35	29	23

Age = 90 years

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	5.9	4.8	3.7	2.8	2.1	1.6	1.2
1	10 (6.9-18)	8.4 (5.6-15)	6.6 (4.5-12)	5.1 (3.4-9.2)	3.8 (2.6-7.1)	2.9 (1.9-5.4)	2.2 (1.4-4.1)
2	17 (10-28)	14 (8.3-24)	11 (6.7-20)	8.7 (5.1-15)	6.7 (3.9-12)	5.1 (2.9-9.2)	3.8 (2.2-7.0)
3	25 (14-37)	22 (12-33)	18 (10-28)	14 (7.7-22)	11 (5.8-18)	8.5 (4.4-14)	6.5 (3.3-11)
4	35 (21-47)	32 (18-43)	27 (15-37)	22 (11-31)	17 (8.8-25)	14 (6.7-20)	11 (5.1-16)
5	46 (31-55)	43 (27-52)	39 (24-47)	32 (19-40)	26 (15-34)	21 (11-27)	17 (8.6-22)
6	56	54	51	44	37	31	25