

**Finland - 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 Finland. 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	0.4	0.2	0.1	0.1	0.1	0.1	0.1
1	0.9 (0.6-1.7)	0.5 (0.3-1.0)	0.3 (0.2-0.5)	0.2 (0.1-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.2)
2	1.6 (0.8-3.4)	0.9 (0.5-2.0)	0.5 (0.3-1.1)	0.4 (0.2-0.9)	0.3 (0.2-0.7)	0.2 (0.1-0.5)	0.2 (0.1-0.4)
3	3.0 (1.2-5.9)	1.8 (0.7-3.5)	1.0 (0.4-2.0)	0.8 (0.3-1.5)	0.6 (0.2-1.2)	0.5 (0.2-0.9)	0.4 (0.1-0.7)
4	5.4 (2.2-8.9)	3.2 (1.3-5.2)	1.8 (0.7-3.0)	1.4 (0.5-2.3)	1.1 (0.4-1.8)	0.8 (0.3-1.4)	0.6 (0.3-1.1)
5	9.4 (4.3-12)	5.6 (2.5-7.5)	3.2 (1.5-4.3)	2.5 (1.1-3.4)	1.9 (0.9-2.6)	1.5 (0.7-2.0)	1.2 (0.5-1.6)
6	16	9.7	5.7	4.4	3.4	2.7	2.1

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

**Age = 55 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	0.7	0.4	0.2	0.2	0.1	0.1	0.1
1	1.3 (0.9-2.2)	0.7 (0.5-1.3)	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	2.3 (1.2-4.4)	1.4 (0.7-2.6)	0.8 (0.4-1.5)	0.6 (0.3-1.2)	0.5 (0.3-0.9)	0.4 (0.2-0.7)	0.3 (0.2-0.5)
3	4.1 (1.9-7.6)	2.5 (1.1-4.6)	1.4 (0.6-2.7)	1.1 (0.5-2.1)	0.8 (0.4-1.6)	0.6 (0.3-1.2)	0.5 (0.2-1.0)
4	7.1 (3.3-11)	4.3 (2.0-6.9)	2.5 (1.1-4.0)	1.9 (0.9-3.1)	1.5 (0.7-2.4)	1.2 (0.5-1.9)	0.9 (0.4-1.4)
5	12 (6.3-15)	7.5 (3.9-9.7)	4.4 (2.3-5.8)	3.4 (1.8-4.5)	2.6 (1.4-3.5)	2.0 (1.1-2.7)	1.6 (0.8-2.1)
6	20	13	7.5	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	1.0	0.6	0.4	0.3	0.2	0.2	0.1
1	1.8 (1.3-2.9)	1.1 (0.8-1.8)	0.6 (0.5-1.0)	0.5 (0.4-0.8)	0.4 (0.3-0.6)	0.3 (0.2-0.5)	0.2 (0.2-0.4)
2	3.2 (1.8-5.4)	2.0 (1.1-3.4)	1.2 (0.7-2.1)	0.9 (0.5-1.6)	0.7 (0.4-1.2)	0.5 (0.3-0.9)	0.4 (0.2-0.7)
3	5.4 (2.8-9.3)	3.4 (1.7-6.0)	2.0 (1.0-3.6)	1.6 (0.8-2.8)	1.2 (0.6-2.2)	0.9 (0.5-1.7)	0.7 (0.4-1.3)
4	9.0 (4.9-14)	5.8 (3.0-9.0)	3.5 (1.8-5.5)	2.7 (1.4-4.2)	2.1 (1.1-3.3)	1.6 (0.8-2.5)	1.2 (0.6-2.0)
5	14 (8.6-18)	9.6 (5.7-12)	6.0 (3.5-7.7)	4.6 (2.7-5.9)	3.6 (2.1-4.6)	2.8 (1.6-3.6)	2.1 (1.2-2.7)
6	22	16	9.9	7.7	6.0	4.6	3.6

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

**Age = 65 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	2.8 (2.2-4.1)	1.8 (1.4-2.7)	1.1 (0.9-1.6)	0.9 (0.7-1.2)	0.7 (0.5-1.0)	0.5 (0.4-0.7)	0.4 (0.3-0.6)
2	4.7 (2.9-7.2)	3.1 (1.9-4.9)	1.9 (1.2-3.1)	1.5 (0.9-2.4)	1.1 (0.7-1.8)	0.9 (0.5-1.4)	0.7 (0.4-1.1)
3	7.6 (4.4-12)	5.2 (2.9-8.4)	3.3 (1.8-5.4)	2.5 (1.4-4.2)	1.9 (1.1-3.2)	1.5 (0.8-2.5)	1.1 (0.6-1.9)
4	12 (7.3-18)	8.4 (5.1-12)	5.4 (3.2-8.1)	4.2 (2.5-6.3)	3.2 (1.9-4.9)	2.5 (1.5-3.8)	1.9 (1.1-2.9)
5	18 (12-22)	13 (9.0-16)	8.9 (6.0-11)	6.9 (4.6-8.5)	5.3 (3.6-6.6)	4.1 (2.7-5.1)	3.1 (2.1-3.9)
6	26	20	14	11	8.6	6.6	5.1

**Age = 70 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	2.8	1.9	1.2	1.0	0.7	0.6	0.4
1	4.8 (3.5-5.9)	3.4 (2.5-4.1)	2.2 (1.7-2.6)	1.7 (1.3-2.0)	1.3 (1.0-1.6)	1.0 (0.8-1.2)	0.8 (0.6-0.9)
2	8.1 (5.3-12)	5.9 (3.8-8.5)	3.9 (2.6-5.5)	3.0 (2.0-4.3)	2.3 (1.5-3.3)	1.8 (1.1-2.5)	1.3 (0.9-1.9)
3	13 (8.1-20)	9.9 (6.3-14)	6.8 (4.5-9.9)	5.2 (3.4-7.7)	4.0 (2.6-5.9)	3.1 (2.0-4.5)	2.3 (1.5-3.5)
4	20 (14-28)	16 (11-23)	12 (7.9-17)	8.9 (6.0-13)	6.9 (4.6-10)	5.3 (3.5-7.8)	4.1 (2.7-6.0)
5	30 (25-38)	25 (21-31)	19 (16-24)	15 (12-19)	12 (9.5-15)	8.9 (7.3-12)	6.9 (5.6-9.0)
6	42	36	29	24	19	15	11

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

**Age = 75 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	4.3	3.2	2.2	1.7	1.3	1.0	0.7
1	7.9 (5.2-14)	6.0 (4.0-11)	4.2 (2.9-7.4)	3.2 (2.2-5.7)	2.4 (1.7-4.3)	1.9 (1.3-3.3)	1.4 (1.0-2.5)
2	13 (7.7-23)	11 (6.0-18)	7.7 (4.3-13)	5.9 (3.3-10)	4.5 (2.5-7.7)	3.5 (1.9-6.0)	2.6 (1.4-4.6)
3	22 (11-34)	18 (9.3-28)	13 (7.2-21)	10 (5.5-17)	8.1 (4.2-13)	6.2 (3.1-10)	4.7 (2.4-7.9)
4	32 (18-45)	28 (15-39)	22 (12-32)	18 (9.3-26)	14 (7.2-21)	11 (5.5-17)	8.3 (4.1-13)
5	45 (29-55)	40 (25-49)	34 (20-43)	28 (16-36)	22 (12-29)	18 (9.6-23)	14 (7.3-19)
6	58	53	48	41	34	27	22

**Age = 80 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	5.8	4.5	3.2	2.5	1.9	1.4	1.1
1	10 (6.8-18)	8.0 (5.4-14)	5.9 (4.1-11)	4.5 (3.1-8.3)	3.5 (2.4-6.3)	2.6 (1.8-4.8)	2.0 (1.3-3.7)
2	16 (10-28)	13 (8.1-23)	10 (6.2-18)	8.0 (4.7-14)	6.1 (3.6-11)	4.7 (2.7-8.3)	3.6 (2.0-6.4)
3	25 (15-38)	21 (12-32)	17 (9.4-27)	13 (7.2-21)	10 (5.5-17)	8.0 (4.2-13)	6.1 (3.2-10)
4	36 (21-48)	31 (18-42)	26 (14-36)	21 (11-30)	17 (8.5-24)	13 (6.5-19)	10 (4.9-15)
5	49 (32-57)	44 (27-53)	38 (23-47)	32 (18-40)	26 (14-33)	21 (11-27)	16 (8.4-21)
6	60	56	51	44	37	30	25

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

**Age = 85 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	6.7	5.3	4.0	3.1	2.3	1.7	1.3
1	12 (8.0-20)	9.4 (6.4-17)	7.3 (5.0-13)	5.5 (3.8-10)	4.2 (2.8-7.7)	3.2 (2.1-5.9)	2.4 (1.6-4.5)
2	19 (12-31)	15 (9.4-26)	12 (7.4-21)	9.6 (5.6-17)	7.4 (4.3-13)	5.6 (3.2-10)	4.3 (2.4-7.7)
3	28 (17-41)	24 (14-36)	20 (11-30)	16 (8.6-24)	12 (6.5-19)	9.5 (5.0-15)	7.3 (3.8-12)
4	40 (24-52)	35 (20-46)	30 (17-41)	24 (13-34)	19 (9.9-27)	15 (7.6-22)	12 (5.8-17)
5	51 (35-60)	47 (31-56)	42 (26-51)	35 (21-44)	29 (16-37)	23 (13-30)	19 (9.8-24)
6	61	59	55	48	41	34	28

**Age = 90 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	6.9	5.5	4.2	3.2	2.4	1.8	1.4
1	12 (8.1-21)	9.6 (6.5-17)	7.5 (5.1-13)	5.7 (3.9-10)	4.4 (2.9-8.0)	3.3 (2.2-6.1)	2.5 (1.7-4.6)
2	19 (12-32)	16 (9.7-27)	13 (7.6-22)	9.8 (5.8-17)	7.6 (4.4-13)	5.8 (3.3-10)	4.4 (2.5-7.9)
3	28 (17-42)	24 (14-36)	20 (11-31)	16 (8.8-25)	13 (6.7-20)	9.7 (5.1-16)	7.4 (3.9-12)
4	39 (24-51)	35 (20-47)	30 (17-41)	25 (13-34)	20 (10-28)	16 (7.8-22)	12 (5.9-18)
5	50 (35-58)	47 (31-56)	42 (27-51)	36 (21-44)	29 (17-37)	24 (13-31)	19 (10-25)
6	58	58	55	48	41	34	28