

**Finland - The probabilities of a hip fracture in men**

The following tables give the 10-year probability (%) of a hip fracture according to the T-score for femoral neck BMD , 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.

Note that the BMI is set at 24 kg/m<sup>2</sup>.

**Age = 50 years**

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	16	8.6	4.6	2.4	1.3	0.7	0.4	0.2	0.1	0.1	0.0
1	24 (16-30)	13 (9.0-17)	7.3 (4.8-9.6)	3.9 (2.6-5.1)	2.1 (1.3-2.7)	1.1 (0.7-1.4)	0.6 (0.4-0.8)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)	0.0 (0.0-0.1)
2	35 (23-48)	20 (13-29)	11 (6.8-17)	6.1 (3.6-9.2)	3.3 (1.9-5.0)	1.7 (1.0-2.6)	0.9 (0.5-1.4)	0.5 (0.3-0.7)	0.3 (0.2-0.4)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
3	48 (32-64)	30 (18-44)	17 (10-26)	9.5 (5.5-15)	5.1 (2.9-8.2)	2.7 (1.5-4.4)	1.4 (0.8-2.3)	0.8 (0.4-1.2)	0.4 (0.2-0.7)	0.2 (0.1-0.4)	0.1 (0.1-0.2)
4	62 (47-77)	42 (29-57)	25 (17-37)	14 (9.1-22)	7.9 (4.9-12)	4.2 (2.6-6.6)	2.2 (1.4-3.5)	1.2 (0.7-1.9)	0.6 (0.4-1.0)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
5	76 (66-85)	56 (46-69)	36 (28-48)	21 (16-29)	12 (8.7-17)	6.5 (4.7-9.3)	3.4 (2.5-5.0)	1.8 (1.3-2.7)	1.0 (0.7-1.4)	0.5 (0.4-0.8)	0.3 (0.2-0.4)
6	86	70	49	31	18	9.7	5.2	2.8	1.5	0.8	0.4

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

**Age = 55 years**

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	14	8.2	4.6	2.5	1.4	0.8	0.4	0.2	0.1	0.1	0.0
1	22 (15-26)	13 (8.6-15)	7.1 (4.8-8.8)	3.9 (2.6-4.9)	2.2 (1.4-2.7)	1.2 (0.8-1.5)	0.6 (0.4-0.8)	0.4 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)	0.1 (0.0-0.1)
2	31 (21-42)	19 (12-26)	11 (6.7-15)	6.1 (3.7-8.7)	3.4 (2.0-4.9)	1.8 (1.1-2.7)	1.0 (0.6-1.5)	0.6 (0.3-0.8)	0.3 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.1)
3	43 (30-57)	27 (18-39)	16 (10-24)	9.2 (5.6-14)	5.2 (3.1-7.9)	2.9 (1.7-4.4)	1.6 (0.9-2.4)	0.9 (0.5-1.3)	0.5 (0.3-0.8)	0.3 (0.2-0.4)	0.2 (0.1-0.2)
4	56 (44-70)	38 (27-51)	24 (16-34)	14 (9.3-20)	7.8 (5.2-12)	4.4 (2.9-6.7)	2.4 (1.6-3.7)	1.3 (0.9-2.0)	0.7 (0.5-1.2)	0.4 (0.3-0.7)	0.2 (0.2-0.4)
5	69 (62-79)	51 (43-63)	33 (27-44)	20 (16-28)	12 (9.1-16)	6.6 (5.1-9.3)	3.7 (2.8-5.2)	2.0 (1.6-2.9)	1.1 (0.9-1.6)	0.6 (0.5-0.9)	0.4 (0.3-0.5)
6	80	64	45	29	17	9.8	5.5	3.0	1.7	1.0	0.6

**Age = 60 years**

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	12	7.3	4.3	2.5	1.5	0.9	0.5	0.3	0.2	0.1	0.1
1	18 (13-21)	11 (7.7-13)	6.5 (4.5-7.7)	3.8 (2.6-4.5)	2.2 (1.5-2.7)	1.3 (0.9-1.5)	0.8 (0.5-0.9)	0.4 (0.3-0.5)	0.3 (0.2-0.3)	0.2 (0.1-0.2)	0.1 (0.1-0.1)
2	26 (18-33)	16 (11-21)	9.7 (6.4-13)	5.8 (3.7-7.9)	3.4 (2.2-4.7)	2.0 (1.3-2.8)	1.2 (0.7-1.6)	0.7 (0.4-0.9)	0.4 (0.3-0.6)	0.2 (0.2-0.3)	0.1 (0.1-0.2)
3	35 (25-46)	23 (16-31)	14 (9.5-20)	8.6 (5.7-12)	5.1 (3.3-7.4)	3.0 (1.9-4.4)	1.8 (1.1-2.6)	1.0 (0.7-1.5)	0.6 (0.4-0.9)	0.4 (0.2-0.6)	0.2 (0.1-0.3)
4	46 (37-58)	32 (24-42)	20 (15-28)	13 (9.0-18)	7.6 (5.4-11)	4.5 (3.2-6.6)	2.7 (1.9-3.9)	1.6 (1.1-2.3)	0.9 (0.7-1.4)	0.6 (0.4-0.8)	0.3 (0.2-0.5)
5	58 (52-68)	42 (37-53)	29 (24-37)	18 (15-24)	11 (9.2-15)	6.7 (5.5-9.3)	4.0 (3.2-5.5)	2.3 (1.9-3.3)	1.4 (1.2-2.0)	0.8 (0.7-1.2)	0.5 (0.4-0.7)
6	69	54	39	25	16	9.7	5.8	3.4	2.1	1.3	0.8

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

**Age = 65 years**

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	12	7.4	4.7	2.9	1.8	1.1	0.7	0.4	0.3	0.2	0.1
1	17 (12-19)	11 (7.8-12)	6.9 (4.9-7.9)	4.3 (3.1-5.0)	2.7 (1.9-3.1)	1.7 (1.2-1.9)	1.0 (0.7-1.2)	0.6 (0.5-0.8)	0.4 (0.3-0.5)	0.3 (0.2-0.3)	0.2 (0.1-0.2)
2	23 (17-29)	15 (11-19)	10 (6.9-13)	6.3 (4.3-8.1)	4.0 (2.7-5.1)	2.5 (1.7-3.2)	1.5 (1.0-2.0)	1.0 (0.6-1.3)	0.6 (0.4-0.8)	0.4 (0.3-0.5)	0.2 (0.2-0.3)
3	31 (24-39)	22 (16-28)	14 (10-19)	9.1 (6.5-12)	5.8 (4.1-7.8)	3.6 (2.5-4.9)	2.3 (1.6-3.1)	1.4 (1.0-2.0)	0.9 (0.6-1.3)	0.6 (0.4-0.8)	0.4 (0.3-0.5)
4	41 (34-50)	29 (23-37)	20 (15-26)	13 (10-18)	8.4 (6.3-12)	5.3 (4.0-7.4)	3.3 (2.5-4.7)	2.1 (1.6-3.0)	1.3 (1.0-1.9)	0.9 (0.6-1.2)	0.5 (0.4-0.8)
5	51 (47-59)	38 (34-47)	27 (24-34)	18 (16-24)	12 (10-16)	7.6 (6.6-10)	4.8 (4.1-6.6)	3.0 (2.6-4.2)	2.0 (1.7-2.7)	1.3 (1.1-1.7)	0.8 (0.7-1.1)
6	61	48	35	25	17	11	6.9	4.4	2.8	1.8	1.2

**Age = 70 years**

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	12	8.0	5.4	3.6	2.4	1.5	1.0	0.7	0.5	0.3	0.2
1	18 (16-23)	13 (11-16)	8.5 (7.5-11)	5.7 (5.0-7.4)	3.8 (3.3-5.0)	2.5 (2.2-3.3)	1.7 (1.4-2.2)	1.1 (1.0-1.4)	0.8 (0.7-1.0)	0.5 (0.4-0.7)	0.3 (0.3-0.5)
2	27 (22-33)	19 (16-24)	13 (11-17)	9.0 (7.4-12)	6.1 (5.0-8.0)	4.0 (3.3-5.4)	2.7 (2.2-3.6)	1.8 (1.5-2.4)	1.2 (1.0-1.6)	0.8 (0.7-1.1)	0.6 (0.5-0.8)
3	37 (31-44)	28 (23-34)	20 (16-25)	14 (11-17)	9.5 (7.4-12)	6.4 (5.0-8.2)	4.3 (3.3-5.5)	2.9 (2.2-3.7)	2.0 (1.5-2.5)	1.3 (1.0-1.7)	0.9 (0.7-1.2)
4	49 (41-55)	38 (31-44)	29 (23-34)	21 (16-25)	15 (11-18)	10 (7.6-12)	6.8 (5.1-8.2)	4.6 (3.4-5.6)	3.2 (2.3-3.8)	2.2 (1.6-2.6)	1.5 (1.1-1.8)
5	60 (52-64)	50 (42-54)	40 (32-43)	30 (24-32)	22 (17-24)	15 (12-17)	11 (8.0-12)	7.3 (5.5-8.1)	5.0 (3.8-5.6)	3.5 (2.6-3.9)	2.4 (1.8-2.7)
6	69	61	51	41	31	23	16	11	7.9	5.5	3.8

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

**Age = 75 years**

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	12	8.3	5.9	4.1	2.9	2.0	1.4	1.0	0.7	0.5	0.4
1	20 (15-38)	15 (11-29)	11 (8.1-22)	7.7 (5.8-16)	5.5 (4.1-12)	3.9 (2.9-8.4)	2.7 (2.0-6.0)	2.0 (1.4-4.3)	1.4 (1.0-3.1)	1.0 (0.7-2.2)	0.7 (0.5-1.6)
2	30 (21-48)	24 (15-39)	18 (11-31)	13 (8.1-24)	9.7 (5.8-18)	6.9 (4.1-13)	4.9 (2.8-9.3)	3.6 (2.0-6.8)	2.6 (1.5-5.0)	1.9 (1.1-3.6)	1.3 (0.8-2.6)
3	43 (27-58)	35 (21-50)	28 (15-41)	21 (11-32)	16 (8.1-25)	12 (5.8-19)	8.4 (4.1-14)	6.2 (3.0-10)	4.5 (2.1-7.4)	3.3 (1.5-5.4)	2.4 (1.1-3.9)
4	55 (36-66)	47 (28-58)	39 (22-50)	31 (16-41)	24 (12-32)	19 (8.6-25)	14 (6.1-19)	10 (4.5-14)	7.6 (3.2-10)	5.6 (2.3-7.6)	4.1 (1.7-5.6)
5	67 (46-73)	60 (37-66)	52 (30-58)	44 (23-50)	35 (17-41)	28 (13-32)	21 (9.2-25)	16 (6.8-19)	12 (5.0-14)	9.1 (3.6-11)	6.7 (2.7-7.8)
6	76	71	64	56	48	39	31	25	19	14	11

**Age = 80 years**

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	10	7.6	5.7	4.2	3.1	2.3	1.7	1.3	1.0	0.7	0.6
1	17 (13-33)	13 (9.8-27)	10 (7.4-21)	7.7 (5.5-16)	5.8 (4.1-13)	4.3 (3.0-9.5)	3.2 (2.3-7.2)	2.5 (1.7-5.5)	1.9 (1.3-4.2)	1.4 (1.0-3.2)	1.1 (0.7-2.4)
2	26 (17-44)	21 (13-36)	17 (9.8-29)	13 (7.4-23)	9.9 (5.6-18)	7.5 (4.2-14)	5.7 (3.1-11)	4.4 (2.4-8.3)	3.4 (1.8-6.4)	2.6 (1.4-4.9)	2.0 (1.1-3.8)
3	37 (22-53)	31 (17-46)	25 (13-38)	20 (10-31)	16 (7.7-25)	12 (5.8-20)	9.4 (4.4-15)	7.3 (3.4-12)	5.7 (2.6-9.5)	4.4 (2.0-7.4)	3.4 (1.5-5.7)
4	49 (29-61)	42 (24-54)	36 (19-47)	29 (14-40)	24 (11-33)	19 (8.5-26)	15 (6.4-21)	12 (5.0-17)	9.2 (3.8-13)	7.1 (3.0-10)	5.5 (2.3-7.9)
5	61 (39-67)	54 (32-61)	48 (26-54)	41 (21-46)	34 (16-39)	28 (12-32)	22 (9.5-26)	18 (7.4-21)	14 (5.8-17)	11 (4.4-13)	8.8 (3.4-11)
6	71	66	60	53	46	38	32	26	21	17	14

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

**Age = 85 years**

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	7.7	6.1	4.8	3.7	2.9	2.3	1.8	1.4	1.1	0.9	0.7
1	13 (10-27)	11 (7.9-22)	8.6 (6.2-18)	6.8 (4.9-15)	5.4 (3.8-12)	4.2 (3.0-9.3)	3.4 (2.4-7.5)	2.7 (1.9-6.0)	2.2 (1.5-4.9)	1.7 (1.2-3.9)	1.4 (1.0-3.1)
2	21 (13-36)	17 (10-31)	14 (8.2-26)	11 (6.5-21)	9.1 (5.1-17)	7.3 (4.0-14)	5.8 (3.2-11)	4.7 (2.5-9.0)	3.8 (2.0-7.3)	3.1 (1.6-5.9)	2.5 (1.3-4.7)
3	31 (17-46)	26 (14-40)	22 (11-34)	18 (9.0-28)	15 (7.1-23)	12 (5.6-19)	9.5 (4.4-16)	7.8 (3.6-13)	6.4 (2.9-11)	5.2 (2.3-8.6)	4.2 (1.9-7.0)
4	42 (24-54)	37 (19-48)	31 (16-42)	27 (13-36)	22 (10-30)	18 (8.1-25)	15 (6.5-21)	12 (5.2-18)	10 (4.2-14)	8.3 (3.4-12)	6.8 (2.8-9.7)
5	54 (32-60)	48 (27-55)	43 (22-49)	37 (18-43)	32 (15-37)	27 (12-31)	22 (9.6-26)	19 (7.8-22)	16 (6.3-18)	13 (5.1-15)	11 (4.2-13)
6	64	60	55	49	43	37	32	27	23	19	16

**Age = 90 years**

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	5.3	4.4	3.6	2.9	2.4	1.9	1.6	1.4	1.1	1.0	0.8
1	9.5 (6.9-20)	7.9 (5.7-17)	6.5 (4.7-14)	5.4 (3.8-12)	4.4 (3.1-9.8)	3.6 (2.6-8.1)	3.0 (2.1-6.8)	2.6 (1.8-5.7)	2.1 (1.5-4.8)	1.8 (1.3-4.1)	1.5 (1.1-3.4)
2	16 (9.1-28)	13 (7.5-24)	11 (6.2-20)	9.1 (5.1-17)	7.6 (4.2-14)	6.3 (3.4-12)	5.3 (2.9-10)	4.5 (2.4-8.5)	3.8 (2.0-7.2)	3.2 (1.7-6.1)	2.7 (1.4-5.1)
3	24 (12-36)	20 (10-31)	17 (8.6-27)	15 (7.1-23)	12 (5.8-20)	10 (4.8-17)	8.7 (4.0-14)	7.4 (3.4-12)	6.3 (2.9-10)	5.3 (2.4-8.9)	4.5 (2.0-7.6)
4	33 (17-44)	29 (15-39)	26 (12-35)	22 (10-30)	19 (8.4-26)	16 (6.9-22)	14 (5.8-19)	12 (5.0-17)	10 (4.2-14)	8.6 (3.5-12)	7.3 (3.0-10)
5	44 (24-51)	40 (21-46)	36 (17-41)	31 (15-36)	27 (12-32)	24 (10-27)	20 (8.7-24)	18 (7.4-21)	15 (6.3-18)	13 (5.3-16)	11 (4.5-14)
6	55	51	47	42	38	33	29	26	23	20	17