

Lithuania - 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 Lithuania. 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/m².

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	17	9.3	5.0	2.7	1.4	0.7	0.4	0.2	0.1	0.1	0.0
1	25 (18-32)	14 (9.7-19)	7.8 (5.2-10)	4.2 (2.8-5.6)	2.2 (1.5-3.0)	1.2 (0.8-1.6)	0.6 (0.4-0.8)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)	0.1 (0.0-0.1)
2	35 (24-48)	21 (13-30)	12 (7.4-18)	6.6 (4.0-9.8)	3.5 (2.1-5.3)	1.9 (1.1-2.8)	1.0 (0.6-1.5)	0.5 (0.3-0.8)	0.3 (0.2-0.4)	0.1 (0.1-0.2)	0.1 (0.1-0.1)
3	48 (34-61)	30 (20-43)	18 (11-26)	10 (6.0-15)	5.4 (3.2-8.5)	2.9 (1.7-4.6)	1.5 (0.9-2.4)	0.8 (0.5-1.3)	0.4 (0.3-0.7)	0.2 (0.1-0.4)	0.1 (0.1-0.2)
4	60 (47-72)	42 (30-55)	26 (17-37)	15 (9.6-22)	8.3 (5.2-13)	4.5 (2.8-6.9)	2.4 (1.5-3.7)	1.3 (0.8-2.0)	0.7 (0.4-1.1)	0.4 (0.2-0.6)	0.2 (0.1-0.3)
5	72 (63-79)	54 (45-66)	36 (28-47)	22 (16-30)	12 (9.0-17)	6.8 (4.9-9.6)	3.6 (2.6-5.2)	1.9 (1.4-2.8)	1.0 (0.7-1.5)	0.6 (0.4-0.8)	0.3 (0.2-0.5)
6	80	67	48	31	18	10	5.5	2.9	1.6	0.9	0.5

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

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	18	10	5.7	3.2	1.8	1.0	0.5	0.3	0.2	0.1	0.1
1	26 (18-31)	15 (11-19)	8.7 (6.0-11)	4.9 (3.3-6.2)	2.7 (1.8-3.4)	1.5 (1.0-1.9)	0.8 (0.6-1.0)	0.5 (0.3-0.6)	0.3 (0.2-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.1)
2	36 (25-46)	22 (15-30)	13 (8.4-18)	7.5 (4.7-11)	4.2 (2.6-6.0)	2.3 (1.4-3.3)	1.3 (0.8-1.8)	0.7 (0.4-1.0)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
3	47 (35-59)	31 (21-42)	19 (13-27)	11 (7.1-16)	6.3 (4.0-9.4)	3.5 (2.2-5.3)	2.0 (1.2-3.0)	1.1 (0.7-1.6)	0.6 (0.4-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
4	59 (48-70)	42 (32-54)	27 (19-37)	16 (11-23)	9.4 (6.3-14)	5.3 (3.5-7.9)	3.0 (2.0-4.5)	1.6 (1.1-2.5)	0.9 (0.6-1.4)	0.5 (0.3-0.8)	0.3 (0.2-0.5)
5	70 (63-77)	54 (46-64)	37 (30-47)	23 (18-31)	14 (11-19)	7.9 (6.1-11)	4.4 (3.4-6.3)	2.5 (1.9-3.5)	1.4 (1.1-2.0)	0.8 (0.6-1.1)	0.5 (0.4-0.7)
6	77	65	48	32	20	12	6.6	3.7	2.1	1.2	0.7

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	14	8.4	5.0	2.9	1.7	1.0	0.6	0.3	0.2	0.1	0.1
1	20 (15-24)	12 (8.8-15)	7.5 (5.2-8.9)	4.4 (3.1-5.3)	2.6 (1.8-3.1)	1.5 (1.1-1.8)	0.9 (0.6-1.1)	0.5 (0.4-0.6)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)
2	28 (20-36)	18 (12-24)	11 (7.3-15)	6.6 (4.4-9.0)	3.9 (2.6-5.4)	2.3 (1.5-3.2)	1.4 (0.9-1.9)	0.8 (0.5-1.1)	0.5 (0.3-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.2)
3	38 (28-48)	25 (18-33)	16 (11-22)	9.7 (6.6-13)	5.8 (3.9-8.2)	3.5 (2.3-4.9)	2.0 (1.3-2.9)	1.2 (0.8-1.7)	0.7 (0.5-1.0)	0.4 (0.3-0.6)	0.3 (0.2-0.4)
4	48 (39-59)	34 (26-44)	22 (17-30)	14 (10-20)	8.6 (6.1-12)	5.1 (3.6-7.4)	3.0 (2.1-4.4)	1.8 (1.3-2.6)	1.1 (0.8-1.6)	0.7 (0.5-1.0)	0.4 (0.3-0.6)
5	59 (53-68)	44 (39-54)	31 (26-39)	20 (17-26)	12 (10-17)	7.5 (6.1-10)	4.5 (3.6-6.2)	2.6 (2.2-3.7)	1.6 (1.3-2.2)	1.0 (0.8-1.4)	0.6 (0.5-0.8)
6	69	55	41	27	17	11	6.5	3.9	2.4	1.4	0.9

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

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	10	6.5	4.1	2.5	1.6	1.0	0.6	0.4	0.2	0.2	0.1
1	15 (11-16)	9.4 (6.8-11)	6.0 (4.3-6.8)	3.7 (2.7-4.3)	2.3 (1.7-2.7)	1.4 (1.0-1.7)	0.9 (0.6-1.0)	0.6 (0.4-0.7)	0.4 (0.3-0.4)	0.2 (0.2-0.3)	0.1 (0.1-0.2)
2	20 (15-25)	13 (9.5-17)	8.6 (6.0-11)	5.5 (3.8-7.0)	3.4 (2.3-4.4)	2.1 (1.5-2.8)	1.3 (0.9-1.7)	0.8 (0.6-1.1)	0.5 (0.4-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.3)
3	27 (21-35)	19 (14-24)	12 (9.0-16)	7.9 (5.7-10)	5.0 (3.6-6.7)	3.1 (2.2-4.2)	2.0 (1.4-2.6)	1.2 (0.9-1.7)	0.8 (0.6-1.1)	0.5 (0.4-0.7)	0.3 (0.2-0.4)
4	36 (30-44)	25 (20-32)	17 (13-23)	11 (8.6-15)	7.2 (5.5-9.8)	4.5 (3.4-6.3)	2.8 (2.1-4.0)	1.8 (1.3-2.5)	1.2 (0.9-1.6)	0.7 (0.6-1.1)	0.5 (0.4-0.7)
5	45 (41-53)	33 (30-41)	23 (20-30)	16 (14-20)	10 (8.8-14)	6.5 (5.6-8.8)	4.1 (3.6-5.6)	2.6 (2.3-3.6)	1.7 (1.4-2.3)	1.1 (0.9-1.5)	0.7 (0.6-1.0)
6	55	42	31	21	14	9.2	5.9	3.7	2.4	1.6	1.0

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	8.6	5.8	3.9	2.6	1.7	1.1	0.7	0.5	0.3	0.2	0.2
1	13 (12-17)	9.1 (8.1-12)	6.1 (5.4-8.0)	4.1 (3.6-5.4)	2.7 (2.4-3.6)	1.8 (1.6-2.4)	1.2 (1.0-1.6)	0.8 (0.7-1.0)	0.5 (0.5-0.7)	0.4 (0.3-0.5)	0.2 (0.2-0.3)
2	20 (16-25)	14 (11-18)	9.6 (7.8-12)	6.5 (5.3-8.5)	4.3 (3.5-5.7)	2.9 (2.3-3.8)	1.9 (1.6-2.6)	1.3 (1.0-1.7)	0.9 (0.7-1.2)	0.6 (0.5-0.8)	0.4 (0.3-0.5)
3	28 (23-34)	21 (17-25)	15 (11-18)	10 (7.9-13)	6.8 (5.3-8.7)	4.6 (3.5-5.9)	3.1 (2.4-3.9)	2.1 (1.6-2.7)	1.4 (1.1-1.8)	1.0 (0.7-1.2)	0.7 (0.5-0.8)
4	39 (31-45)	29 (23-35)	22 (17-26)	15 (12-18)	11 (8.0-13)	7.2 (5.4-8.7)	4.8 (3.6-5.9)	3.3 (2.4-4.0)	2.3 (1.7-2.8)	1.5 (1.1-1.9)	1.1 (0.8-1.3)
5	49 (41-54)	40 (32-43)	30 (24-33)	22 (17-25)	16 (12-17)	11 (8.3-12)	7.5 (5.7-8.3)	5.2 (3.9-5.8)	3.6 (2.7-4.0)	2.5 (1.8-2.8)	1.7 (1.3-1.9)
6	59	50	41	31	23	17	12	8.0	5.6	3.9	2.7

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

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	8.3	5.9	4.2	2.9	2.1	1.4	1.0	0.7	0.5	0.4	0.3
1	14 (11-29)	11 (8.0-22)	7.7 (5.7-16)	5.5 (4.1-12)	3.9 (2.9-8.5)	2.8 (2.0-6.1)	1.9 (1.4-4.3)	1.4 (1.0-3.1)	1.0 (0.7-2.2)	0.7 (0.5-1.6)	0.5 (0.4-1.2)
2	23 (15-38)	18 (11-30)	13 (7.9-23)	9.6 (5.7-17)	6.9 (4.1-13)	5.0 (2.9-9.2)	3.5 (2.0-6.6)	2.5 (1.5-4.8)	1.8 (1.0-3.5)	1.3 (0.8-2.6)	1.0 (0.5-1.9)
3	33 (20-47)	27 (15-39)	21 (11-31)	16 (8.0-24)	12 (5.7-18)	8.4 (4.1-13)	6.0 (2.9-9.8)	4.4 (2.1-7.2)	3.2 (1.5-5.3)	2.3 (1.1-3.9)	1.7 (0.8-2.8)
4	45 (27-56)	37 (20-48)	30 (15-39)	24 (11-31)	18 (8.3-24)	13 (6.0-18)	9.9 (4.3-14)	7.3 (3.1-10)	5.4 (2.3-7.4)	4.0 (1.7-5.5)	2.9 (1.2-4.0)
5	56 (35-63)	49 (28-56)	41 (22-48)	34 (16-39)	27 (12-32)	21 (8.9-24)	15 (6.4-18)	12 (4.7-14)	8.8 (3.5-10)	6.5 (2.5-7.6)	4.8 (1.8-5.6)
6	67	61	53	45	37	30	23	18	14	10	7.7

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	7.9	5.9	4.4	3.3	2.5	1.8	1.4	1.0	0.8	0.6	0.5
1	13 (10-27)	10 (7.6-22)	8.0 (5.8-17)	6.0 (4.3-13)	4.6 (3.2-10)	3.4 (2.4-7.6)	2.6 (1.8-5.7)	2.0 (1.4-4.4)	1.5 (1.0-3.4)	1.1 (0.8-2.6)	0.9 (0.6-2.0)
2	21 (13-36)	17 (9.8-30)	13 (7.5-24)	10 (5.7-19)	7.8 (4.3-15)	5.9 (3.2-11)	4.5 (2.4-8.5)	3.4 (1.8-6.6)	2.7 (1.4-5.1)	2.0 (1.1-3.9)	1.6 (0.8-3.0)
3	30 (17-44)	25 (13-37)	20 (10-31)	16 (7.9-25)	12 (6.0-20)	9.6 (4.5-16)	7.4 (3.4-12)	5.7 (2.6-9.6)	4.5 (2.0-7.5)	3.4 (1.5-5.8)	2.6 (1.2-4.5)
4	40 (22-52)	34 (18-45)	29 (14-39)	23 (11-32)	19 (8.4-26)	15 (6.4-21)	12 (4.8-17)	9.2 (3.8-13)	7.2 (2.9-10)	5.6 (2.3-8.1)	4.3 (1.7-6.3)
5	51 (30-58)	45 (25-52)	39 (20-45)	33 (16-38)	27 (12-32)	22 (9.4-26)	17 (7.2-21)	14 (5.6-17)	11 (4.4-13)	8.8 (3.4-10)	6.9 (2.6-8.2)
6	62	56	50	43	37	31	25	21	17	13	11

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

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	7.3	5.8	4.6	3.6	2.8	2.2	1.8	1.4	1.1	0.9	0.7
1	12 (9.1-25)	10 (7.3-21)	8.1 (5.8-17)	6.5 (4.6-14)	5.1 (3.6-11)	4.1 (2.9-9.0)	3.3 (2.3-7.3)	2.6 (1.8-5.9)	2.1 (1.5-4.8)	1.7 (1.2-3.9)	1.4 (1.0-3.1)
2	19 (12-34)	16 (9.4-29)	13 (7.5-24)	11 (6.0-20)	8.6 (4.7-16)	6.9 (3.7-13)	5.6 (3.0-11)	4.5 (2.4-8.8)	3.7 (2.0-7.1)	3.0 (1.6-5.8)	2.4 (1.3-4.7)
3	28 (16-42)	24 (13-36)	20 (10-31)	16 (8.2-26)	14 (6.5-22)	11 (5.2-18)	9.0 (4.2-15)	7.4 (3.4-12)	6.1 (2.8-10)	5.0 (2.2-8.3)	4.0 (1.8-6.8)
4	38 (21-49)	33 (17-44)	28 (14-38)	24 (11-33)	20 (9.0-28)	17 (7.2-23)	14 (5.8-20)	12 (4.8-16)	9.5 (3.9-14)	7.9 (3.2-11)	6.4 (2.6-9.4)
5	49 (28-55)	44 (24-50)	38 (20-44)	33 (16-39)	28 (13-34)	24 (11-29)	20 (8.6-24)	17 (7.1-21)	14 (5.8-17)	12 (4.7-14)	9.9 (3.9-12)
6	59	55	49	44	38	33	29	25	21	18	15

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	6.4	5.2	4.3	3.5	2.9	2.3	1.9	1.6	1.4	1.1	1.0
1	11 (8.3-23)	9.3 (6.8-20)	7.8 (5.6-17)	6.4 (4.6-14)	5.3 (3.8-12)	4.3 (3.1-9.6)	3.6 (2.6-8.1)	3.1 (2.1-6.8)	2.6 (1.8-5.8)	2.2 (1.5-4.8)	1.8 (1.3-4.1)
2	18 (11-31)	15 (8.9-27)	13 (7.3-23)	11 (6.1-20)	9.0 (5.0-17)	7.4 (4.1-14)	6.3 (3.4-12)	5.3 (2.9-10)	4.5 (2.4-8.6)	3.8 (2.0-7.2)	3.2 (1.7-6.1)
3	26 (14-40)	23 (12-35)	20 (10-31)	17 (8.4-27)	14 (6.9-23)	12 (5.7-19)	10 (4.8-17)	8.8 (4.1-14)	7.5 (3.4-12)	6.3 (2.9-11)	5.4 (2.4-9.0)
4	37 (20-48)	32 (17-43)	29 (14-38)	25 (12-34)	21 (9.8-30)	18 (8.2-26)	16 (6.9-22)	14 (5.9-19)	12 (5.0-17)	10 (4.2-14)	8.6 (3.6-12)
5	47 (27-54)	43 (23-49)	39 (20-45)	35 (17-40)	31 (14-36)	27 (12-31)	23 (10-27)	21 (8.7-24)	18 (7.4-21)	15 (6.3-18)	13 (5.4-16)
6	58	54	50	46	41	37	33	29	26	23	20