

Lithuania - The probabilities of a hip fracture in women

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	14	7.3	3.8	1.9	1.0	0.5	0.3	0.1	0.1	0.0	0.0	
1	21 (14-27)	12 (7.6-15)	6.0 (4.0-7.9)	3.1 (2.0-4.1)	1.6 (1.0-2.1)	0.8 (0.5-1.1)	0.4 (0.3-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	0.0 (0.0-0.0)	
2	32 (20-45)	18 (11-26)	9.5 (5.6-14)	5.0 (2.9-7.6)	2.6 (1.5-3.9)	1.3 (0.8-2.0)	0.7 (0.4-1.0)	0.4 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	
3	45 (29-63)	27 (16-40)	15 (8.4-23)	7.8 (4.4-13)	4.1 (2.3-6.7)	2.1 (1.2-3.5)	1.1 (0.6-1.8)	0.6 (0.3-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.0-0.1)	
4	60 (44-77)	38 (26-54)	22 (14-33)	12 (7.5-19)	6.3 (3.9-10)	3.3 (2.0-5.2)	1.7 (1.0-2.7)	0.9 (0.5-1.4)	0.5 (0.3-0.8)	0.2 (0.2-0.4)	0.1 (0.1-0.2)	
5	75 (66-87)	53 (43-67)	32 (25-44)	18 (14-26)	9.7 (7.1-14)	5.1 (3.7-7.4)	2.6 (1.9-3.8)	1.4 (1.0-2.0)	0.7 (0.5-1.1)	0.4 (0.3-0.6)	0.2 (0.2-0.3)	
6	88	69	45	27	15	7.7	4.0	2.1	1.1	0.6	0.3	

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in women 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	15	8.3	4.5	2.5	1.3	0.7	0.4	0.2	0.1	0.1	0.0
1	22 (16-27)	13 (8.7-16)	7.1 (4.7-8.7)	3.9 (2.6-4.8)	2.1 (1.4-2.6)	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)	0.1 (0.0-0.1)
2	33 (21-44)	19 (12-27)	11 (6.7-16)	6.1 (3.6-8.8)	3.3 (2.0-4.8)	1.8 (1.1-2.6)	1.0 (0.6-1.4)	0.5 (0.3-0.8)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)
3	46 (31-63)	29 (18-42)	17 (10-25)	9.3 (5.5-15)	5.1 (3.0-8.1)	2.8 (1.6-4.4)	1.5 (0.9-2.4)	0.8 (0.5-1.3)	0.5 (0.3-0.8)	0.3 (0.2-0.4)	0.1 (0.1-0.2)
4	61 (47-77)	40 (29-56)	25 (17-36)	14 (9.3-21)	7.9 (5.1-12)	4.3 (2.8-6.7)	2.3 (1.5-3.7)	1.3 (0.8-2.1)	0.7 (0.5-1.1)	0.4 (0.3-0.6)	0.2 (0.1-0.4)
5	75 (68-86)	54 (46-68)	35 (29-47)	21 (17-29)	12 (9.3-17)	6.6 (5.1-9.4)	3.6 (2.8-5.2)	2.0 (1.6-2.9)	1.1 (0.9-1.6)	0.6 (0.5-0.9)	0.3 (0.3-0.5)
6	87	70	48	30	18	9.9	5.4	3.1	1.7	1.0	0.5

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	13	7.8	4.4	2.5	1.4	0.8	0.4	0.3	0.2	0.1	0.1
1	20 (14-24)	12 (8.1-14)	6.8 (4.6-8.0)	3.8 (2.6-4.6)	2.2 (1.5-2.6)	1.2 (0.8-1.4)	0.7 (0.5-0.8)	0.4 (0.3-0.5)	0.2 (0.2-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.1)
2	29 (19-38)	18 (11-24)	10 (6.5-14)	5.9 (3.7-8.1)	3.3 (2.1-4.6)	1.9 (1.2-2.6)	1.1 (0.7-1.5)	0.6 (0.4-0.9)	0.4 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
3	41 (28-56)	26 (17-37)	15 (9.8-23)	9.0 (5.6-14)	5.1 (3.1-7.8)	2.9 (1.8-4.4)	1.6 (1.0-2.5)	1.0 (0.6-1.5)	0.6 (0.3-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
4	55 (43-70)	36 (27-50)	23 (16-33)	13 (9.4-20)	7.7 (5.3-12)	4.4 (3.0-6.7)	2.5 (1.7-3.8)	1.5 (1.0-2.2)	0.8 (0.6-1.3)	0.5 (0.3-0.8)	0.3 (0.2-0.4)
5	69 (63-81)	49 (43-62)	32 (27-43)	20 (16-27)	12 (9.5-16)	6.6 (5.4-9.3)	3.8 (3.1-5.4)	2.2 (1.8-3.2)	1.3 (1.0-1.8)	0.7 (0.6-1.1)	0.4 (0.4-0.6)
6	82	64	44	28	17	9.8	5.7	3.3	1.9	1.1	0.7

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in women 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	12	7.0	4.1	2.4	1.4	0.8	0.5	0.3	0.2	0.1	0.1
1	17 (12-20)	10 (7.3-12)	6.2 (4.3-7.4)	3.7 (2.5-4.4)	2.1 (1.5-2.6)	1.2 (0.9-1.5)	0.7 (0.5-0.9)	0.5 (0.3-0.5)	0.3 (0.2-0.3)	0.2 (0.1-0.2)	0.1 (0.1-0.1)
2	25 (17-32)	16 (10-20)	9.3 (6.1-12)	5.5 (3.6-7.3)	3.2 (2.1-4.3)	1.9 (1.2-2.5)	1.1 (0.7-1.5)	0.7 (0.4-0.9)	0.4 (0.3-0.6)	0.3 (0.2-0.3)	0.1 (0.1-0.2)
3	35 (25-46)	22 (15-31)	14 (9.1-20)	8.3 (5.4-12)	4.9 (3.2-7.1)	2.9 (1.8-4.2)	1.7 (1.1-2.5)	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	47 (38-60)	31 (24-43)	20 (15-28)	12 (8.9-18)	7.3 (5.3-11)	4.3 (3.1-6.3)	2.6 (1.9-3.9)	1.6 (1.1-2.3)	0.9 (0.7-1.4)	0.6 (0.4-0.9)	0.3 (0.2-0.5)
5	60 (54-72)	43 (37-54)	28 (24-37)	18 (15-24)	11 (8.8-15)	6.4 (5.2-8.9)	3.9 (3.1-5.4)	2.4 (1.9-3.3)	1.4 (1.2-2.0)	0.9 (0.7-1.2)	0.5 (0.4-0.7)
6	73	56	39	25	15	9.3	5.7	3.5	2.1	1.3	0.8

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	7.5	4.6	2.8	1.7	1.1	0.7	0.4	0.3	0.2	0.1
1	19 (17-24)	12 (11-15)	7.6 (6.5-9.6)	4.7 (4.0-6.0)	2.9 (2.4-3.6)	1.8 (1.5-2.3)	1.1 (0.9-1.4)	0.7 (0.6-0.9)	0.4 (0.4-0.6)	0.3 (0.2-0.4)	0.2 (0.2-0.2)
2	30 (24-38)	20 (16-26)	12 (9.7-17)	7.8 (6.0-11)	4.8 (3.7-6.5)	3.0 (2.3-4.1)	1.9 (1.4-2.6)	1.2 (0.9-1.6)	0.7 (0.6-1.0)	0.5 (0.4-0.6)	0.3 (0.2-0.4)
3	44 (35-52)	30 (23-38)	20 (15-26)	13 (9.2-17)	7.8 (5.6-10)	4.9 (3.5-6.6)	3.1 (2.2-4.2)	2.0 (1.4-2.7)	1.2 (0.9-1.7)	0.8 (0.6-1.1)	0.5 (0.3-0.7)
4	59 (49-66)	44 (35-51)	30 (23-36)	20 (15-24)	13 (9.2-16)	8.0 (5.8-10)	5.1 (3.7-6.5)	3.3 (2.3-4.1)	2.1 (1.5-2.6)	1.3 (0.9-1.7)	0.8 (0.6-1.0)
5	74 (66-77)	59 (51-64)	44 (36-49)	30 (25-34)	20 (16-23)	13 (10-15)	8.4 (6.5-9.7)	5.4 (4.2-6.2)	3.4 (2.7-4.0)	2.2 (1.7-2.5)	1.4 (1.1-1.6)
6	84	74	60	44	30	20	13	8.7	5.6	3.6	2.3

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in women 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	14	9.1	5.9	3.8	2.4	1.6	1.0	0.7	0.5	0.3	0.2
1	25 (19-46)	17 (13-33)	11 (8.2-23)	7.4 (5.3-15)	4.8 (3.4-10)	3.2 (2.2-6.7)	2.1 (1.5-4.5)	1.4 (1.0-3.0)	0.9 (0.6-2.0)	0.6 (0.4-1.3)	0.4 (0.3-0.9)
2	39 (26-62)	28 (17-49)	20 (12-36)	13 (7.5-25)	8.8 (4.8-17)	5.9 (3.2-12)	4.0 (2.1-7.8)	2.6 (1.4-5.2)	1.7 (0.9-3.5)	1.1 (0.6-2.3)	0.8 (0.4-1.5)
3	55 (36-73)	43 (25-61)	32 (17-48)	23 (11-36)	15 (7.3-25)	11 (4.8-18)	7.1 (3.2-12)	4.8 (2.1-8.3)	3.2 (1.4-5.6)	2.1 (0.9-3.7)	1.4 (0.6-2.5)
4	70 (49-80)	59 (36-71)	47 (25-60)	35 (17-47)	25 (11-35)	18 (7.7-25)	12 (5.2-18)	8.4 (3.4-12)	5.6 (2.3-8.3)	3.8 (1.5-5.6)	2.5 (1.0-3.7)
5	80 (63-85)	73 (51-79)	63 (38-70)	51 (27-58)	39 (19-45)	29 (13-33)	20 (8.8-24)	14 (5.9-17)	9.7 (4.0-12)	6.5 (2.6-7.9)	4.4 (1.8-5.3)
6	87	83	77	68	55	43	32	23	16	11	7.4

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	15	11	7.3	4.9	3.4	2.4	1.6	1.1	0.8	0.5	0.4
1	26 (20-48)	19 (14-37)	13 (9.5-27)	9.3 (6.5-19)	6.5 (4.4-14)	4.6 (3.1-9.8)	3.2 (2.2-6.9)	2.2 (1.5-4.9)	1.5 (1.0-3.4)	1.1 (0.7-2.4)	0.7 (0.5-1.6)
2	39 (26-61)	30 (19-50)	22 (13-39)	16 (9.0-30)	11 (6.2-22)	8.2 (4.4-16)	5.8 (3.0-11)	4.1 (2.1-8.2)	2.9 (1.5-5.8)	2.0 (1.0-4.0)	1.4 (0.7-2.8)
3	53 (35-70)	44 (26-62)	34 (19-51)	26 (13-40)	19 (9.3-31)	14 (6.6-23)	10 (4.6-17)	7.2 (3.2-12)	5.1 (2.2-8.7)	3.6 (1.5-6.2)	2.5 (1.1-4.4)
4	66 (46-77)	57 (36-70)	48 (27-61)	38 (19-50)	29 (14-40)	22 (10-31)	17 (7.1-24)	12 (5.0-18)	8.6 (3.5-13)	6.1 (2.4-9.2)	4.3 (1.7-6.5)
5	76 (57-81)	69 (48-75)	61 (38-68)	52 (29-59)	42 (21-49)	34 (16-40)	26 (11-31)	19 (8.2-24)	14 (5.8-18)	10 (4.1-13)	7.2 (2.9-9.1)
6	83	79	73	66	57	48	38	30	22	16	12

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in women 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	16	11	8.3	5.9	4.4	3.2	2.4	1.8	1.3	0.9	0.7
1	25 (20-46)	20 (15-38)	15 (11-30)	11 (7.7-23)	8.2 (5.7-17)	6.1 (4.2-13)	4.6 (3.1-9.9)	3.4 (2.3-7.4)	2.5 (1.7-5.5)	1.8 (1.2-4.0)	1.3 (0.9-3.0)
2	37 (26-57)	30 (20-49)	24 (15-40)	18 (11-32)	14 (8.0-25)	11 (6.0-20)	8.1 (4.4-15)	6.0 (3.3-12)	4.5 (2.4-8.8)	3.3 (1.8-6.6)	2.5 (1.3-4.9)
3	50 (33-66)	42 (26-59)	35 (20-51)	28 (15-42)	22 (11-35)	17 (8.6-28)	13 (6.4-22)	10 (4.8-17)	7.7 (3.6-13)	5.8 (2.6-9.8)	4.3 (1.9-7.3)
4	61 (42-72)	54 (35-66)	47 (28-59)	39 (21-51)	33 (16-44)	27 (13-36)	21 (9.6-29)	16 (7.2-23)	13 (5.4-18)	9.6 (4.0-14)	7.2 (2.9-10)
5	71 (52-77)	66 (45-72)	59 (37-66)	52 (29-58)	45 (24-51)	38 (19-44)	31 (14-37)	25 (11-30)	20 (8.4-24)	15 (6.3-19)	12 (4.7-14)
6	79	75	70	64	57	51	43	36	29	23	18

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	12	9.3	7.0	5.4	4.2	3.2	2.5	1.9	1.5	1.2	0.9
1	21 (16-40)	16 (12-32)	13 (9.1-26)	9.8 (7.0-21)	7.8 (5.5-17)	6.1 (4.2-13)	4.8 (3.3-10)	3.7 (2.6-8.1)	2.9 (2.0-6.4)	2.2 (1.5-4.9)	1.7 (1.2-3.8)
2	32 (21-51)	26 (16-43)	21 (13-36)	17 (9.7-30)	13 (7.6-24)	11 (6.0-20)	8.4 (4.6-16)	6.6 (3.6-13)	5.2 (2.8-10)	4.1 (2.2-7.9)	3.2 (1.7-6.2)
3	44 (28-61)	38 (22-54)	31 (17-47)	26 (14-40)	21 (11-34)	17 (8.5-28)	14 (6.7-23)	11 (5.3-18)	8.9 (4.1-15)	7.0 (3.2-12)	5.5 (2.5-9.2)
4	56 (37-68)	50 (30-63)	44 (24-56)	37 (20-49)	32 (16-42)	27 (13-36)	22 (10-30)	18 (7.9-25)	14 (6.2-20)	12 (4.8-16)	9.1 (3.8-13)
5	67 (47-73)	62 (40-68)	56 (33-62)	50 (27-56)	44 (23-50)	38 (19-44)	32 (15-38)	27 (12-32)	22 (9.5-27)	18 (7.5-22)	15 (5.9-18)
6	75	72	68	62	57	51	45	39	33	27	22