

Lithuania - The probabilities of a hip fracture in women

The following tables give the 10-year probability (%) of a hip fracture according to body mass index (BMI kg/m²), 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.

Age = 50 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	0.9	0.5	0.3	0.2	0.2	0.1	0.1
1	1.7 (1.1-3.4)	0.9 (0.6-1.8)	0.5 (0.3-1.0)	0.4 (0.3-0.8)	0.3 (0.2-0.6)	0.2 (0.2-0.5)	0.2 (0.1-0.4)
2	3.4 (1.7-7.1)	1.8 (0.9-3.9)	1.0 (0.5-2.1)	0.8 (0.4-1.7)	0.6 (0.3-1.3)	0.5 (0.2-1.0)	0.4 (0.2-0.8)
3	6.3 (2.6-12)	3.5 (1.4-6.8)	1.9 (0.8-3.7)	1.5 (0.6-2.9)	1.1 (0.5-2.3)	0.9 (0.4-1.8)	0.7 (0.3-1.4)
4	11 (4.5-18)	6.3 (2.5-10)	3.5 (1.3-5.7)	2.7 (1.0-4.4)	2.1 (0.8-3.5)	1.6 (0.6-2.7)	1.3 (0.5-2.1)
5	20 (9.4-26)	11 (5.2-15)	6.2 (2.9-8.4)	4.9 (2.2-6.6)	3.8 (1.7-5.2)	3.0 (1.3-4.0)	2.3 (1.0-3.1)
6	32	19	11	8.6	6.7	5.3	4.1

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

Age = 55 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	1.6	0.9	0.5	0.4	0.3	0.2	0.2
1	3.1 (2.1-5.4)	1.7 (1.2-3.0)	0.9 (0.6-1.6)	0.7 (0.5-1.3)	0.6 (0.4-1.0)	0.4 (0.3-0.8)	0.3 (0.2-0.6)
2	5.8 (3.2-11)	3.2 (1.7-6.3)	1.7 (0.9-3.4)	1.4 (0.7-2.7)	1.1 (0.6-2.1)	0.8 (0.4-1.6)	0.6 (0.3-1.3)
3	10 (4.8-19)	5.8 (2.6-11)	3.2 (1.4-6.0)	2.5 (1.1-4.7)	1.9 (0.9-3.7)	1.5 (0.7-2.8)	1.2 (0.5-2.2)
4	18 (8.3-27)	10 (4.6-16)	5.7 (2.5-9.0)	4.5 (2.0-7.1)	3.5 (1.5-5.5)	2.7 (1.2-4.3)	2.1 (0.9-3.4)
5	29 (17-37)	18 (9.6-23)	10 (5.3-13)	7.9 (4.2-10)	6.2 (3.2-8.2)	4.8 (2.5-6.4)	3.8 (2.0-5.0)
6	46	29	17	13	11	8.3	6.5

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	2.4	1.3	0.7	0.6	0.4	0.3	0.3
1	4.4 (3.2-6.9)	2.5 (1.8-3.9)	1.3 (1.0-2.1)	1.0 (0.7-1.6)	0.8 (0.6-1.3)	0.6 (0.5-1.0)	0.5 (0.4-0.8)
2	7.9 (4.7-14)	4.4 (2.6-8.0)	2.5 (1.4-4.5)	1.9 (1.1-3.5)	1.5 (0.9-2.7)	1.2 (0.7-2.1)	0.9 (0.5-1.6)
3	14 (7.1-23)	7.8 (4.0-14)	4.4 (2.2-7.7)	3.4 (1.7-6.1)	2.6 (1.3-4.7)	2.1 (1.0-3.7)	1.6 (0.8-2.9)
4	23 (12-33)	13 (6.9-20)	7.6 (3.8-12)	6.0 (3.0-9.1)	4.7 (2.3-7.1)	3.6 (1.8-5.6)	2.8 (1.4-4.4)
5	36 (23-44)	22 (14-28)	13 (8.0-17)	10 (6.2-13)	8.0 (4.9-10)	6.3 (3.8-8.2)	4.9 (2.9-6.4)
6	53	35	21	17	13	11	8.3

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

Age = 65 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	3.3	1.9	1.0	0.8	0.6	0.5	0.4
1	5.8 (4.4-8.1)	3.3 (2.5-4.6)	1.8 (1.4-2.6)	1.4 (1.1-2.0)	1.1 (0.8-1.6)	0.9 (0.6-1.2)	0.7 (0.5-0.9)
2	9.9 (6.3-16)	5.7 (3.6-9.4)	3.2 (2.0-5.3)	2.5 (1.6-4.2)	1.9 (1.2-3.2)	1.5 (0.9-2.5)	1.2 (0.7-2.0)
3	16 (9.5-26)	9.7 (5.5-16)	5.6 (3.1-9.3)	4.3 (2.4-7.2)	3.4 (1.9-5.7)	2.6 (1.4-4.4)	2.0 (1.1-3.4)
4	26 (16-37)	16 (9.5-23)	9.4 (5.4-14)	7.4 (4.2-11)	5.8 (3.3-8.5)	4.5 (2.5-6.7)	3.5 (2.0-5.2)
5	39 (29-47)	26 (18-32)	16 (11-20)	12 (8.6-16)	9.6 (6.7-12)	7.5 (5.2-9.6)	5.9 (4.1-7.5)
6	56	39	25	20	16	12	9.8

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	5.2	3.1	1.7	1.3	1.0	0.8	0.6
1	9.3 (7.3-11)	5.6 (4.4-6.5)	3.2 (2.5-3.7)	2.5 (2.0-2.9)	1.9 (1.5-2.2)	1.5 (1.2-1.7)	1.1 (0.9-1.3)
2	16 (11-21)	9.9 (6.6-13)	5.8 (3.9-7.7)	4.5 (3.0-6.0)	3.5 (2.3-4.7)	2.7 (1.8-3.6)	2.1 (1.4-2.8)
3	26 (18-36)	17 (11-25)	10 (6.7-15)	8.1 (5.2-12)	6.3 (4.1-9.4)	4.9 (3.2-7.3)	3.8 (2.4-5.7)
4	41 (31-53)	28 (21-39)	18 (13-25)	14 (10-20)	11 (8.1-16)	8.7 (6.3-13)	6.8 (4.9-9.8)
5	57 (51-66)	44 (39-51)	30 (26-36)	24 (21-29)	19 (16-23)	15 (13-18)	12 (10-15)
6	72	62	46	38	31	25	20

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

Age = 75 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	8.6	5.4	3.2	2.5	1.9	1.5	1.1
1	16 (11-26)	10 (7.4-17)	6.3 (4.6-11)	4.9 (3.5-8.4)	3.8 (2.7-6.5)	2.9 (2.1-5.1)	2.3 (1.6-3.9)
2	27 (17-41)	19 (11-30)	12 (6.9-20)	9.3 (5.3-16)	7.2 (4.1-12)	5.6 (3.2-9.7)	4.3 (2.5-7.6)
3	41 (26-57)	31 (19-46)	21 (12-33)	17 (9.2-27)	13 (7.2-21)	10 (5.6-17)	8.1 (4.3-13)
4	56 (39-70)	47 (30-62)	35 (20-49)	29 (16-41)	23 (13-34)	18 (9.9-27)	14 (7.7-22)
5	70 (55-77)	64 (46-73)	53 (35-62)	45 (28-54)	37 (23-46)	31 (18-38)	25 (14-31)
6	79	77	70	63	55	47	39

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	12	8.6	5.5	4.3	3.3	2.5	1.9
1	21 (15-34)	15 (11-26)	10 (7.5-18)	8.0 (5.8-14)	6.2 (4.5-11)	4.8 (3.4-8.5)	3.7 (2.6-6.6)
2	32 (22-49)	25 (16-40)	18 (11-30)	14 (8.7-24)	11 (6.7-19)	8.7 (5.2-15)	6.7 (4.0-12)
3	45 (30-60)	38 (24-54)	29 (17-45)	24 (13-37)	19 (10-30)	15 (7.9-24)	12 (6.1-19)
4	57 (40-69)	52 (35-65)	44 (27-57)	37 (22-49)	30 (17-42)	24 (13-34)	20 (10-28)
5	68 (54-76)	65 (49-73)	59 (41-68)	52 (34-61)	44 (28-53)	37 (22-46)	31 (17-38)
6	77	75	72	66	59	52	44

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

Age = 85 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	15	12	8.3	6.4	4.9	3.8	2.9
1	24 (18-39)	20 (14-33)	15 (11-25)	12 (8.2-20)	9.0 (6.3-16)	6.9 (4.8-12)	5.3 (3.7-9.6)
2	35 (24-52)	30 (20-47)	24 (16-39)	19 (12-32)	15 (9.4-26)	12 (7.2-20)	9.3 (5.5-16)
3	47 (32-62)	43 (28-58)	37 (23-52)	30 (18-44)	25 (14-37)	20 (11-30)	16 (8.4-25)
4	59 (42-70)	55 (38-67)	50 (33-63)	43 (27-56)	36 (21-48)	30 (17-41)	24 (13-34)
5	69 (55-75)	66 (51-74)	63 (47-71)	56 (39-65)	50 (33-59)	42 (26-52)	36 (21-44)
6	75	75	73	68	62	55	48

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	16	12	8.7	6.7	5.1	3.9	3.0
1	25 (18-40)	20 (15-34)	15 (11-26)	12 (8.5-21)	9.3 (6.5-16)	7.1 (5.0-13)	5.5 (3.8-9.9)
2	37 (26-54)	31 (21-48)	25 (16-40)	20 (13-33)	16 (9.7-26)	12 (7.4-21)	9.6 (5.7-17)
3	49 (34-64)	44 (30-59)	38 (23-53)	31 (18-45)	25 (14-38)	20 (11-31)	16 (8.6-25)
4	60 (44-71)	57 (40-68)	51 (34-64)	44 (27-57)	37 (22-49)	31 (17-42)	25 (14-35)
5	68 (57-73)	67 (53-74)	64 (48-72)	58 (41-66)	51 (34-60)	44 (27-53)	37 (22-45)
6	71	74	74	69	63	57	50