

Slovakia - 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 Slovakia. 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	26	15	8.2	4.4	2.3	1.2	0.6	0.3	0.2	0.1	0.1	
1	38 (27-47)	23 (16-29)	13 (8.6-17)	6.9 (4.6-9.1)	3.7 (2.4-4.9)	2.0 (1.3-2.6)	1.0 (0.7-1.4)	0.5 (0.4-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)	
2	51 (36-66)	33 (21-45)	19 (12-28)	11 (6.5-16)	5.8 (3.5-8.7)	3.1 (1.8-4.7)	1.6 (1.0-2.5)	0.9 (0.5-1.3)	0.5 (0.3-0.7)	0.3 (0.2-0.4)	0.1 (0.1-0.2)	
3	65 (49-78)	45 (31-60)	28 (18-40)	16 (9.7-24)	8.9 (5.2-14)	4.8 (2.8-7.6)	2.6 (1.5-4.1)	1.4 (0.8-2.2)	0.7 (0.4-1.2)	0.4 (0.2-0.6)	0.2 (0.1-0.4)	
4	76 (65-85)	58 (44-72)	39 (27-53)	24 (16-34)	13 (8.6-20)	7.4 (4.6-11)	4.0 (2.4-6.2)	2.1 (1.3-3.3)	1.1 (0.7-1.8)	0.6 (0.4-1.0)	0.3 (0.2-0.5)	
5	84 (79-88)	71 (62-80)	52 (42-64)	34 (26-44)	20 (15-27)	11 (8.1-16)	6.0 (4.4-8.6)	3.2 (2.3-4.7)	1.7 (1.2-2.5)	1.0 (0.7-1.4)	0.5 (0.4-0.8)	
6	89	81	66	46	28	16	9.1	4.9	2.6	1.5	0.8	

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

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	24	14	7.9	4.4	2.4	1.3	0.7	0.4	0.2	0.1	0.1
1	34 (25-40)	21 (14-25)	12 (8.2-15)	6.7 (4.6-8.4)	3.8 (2.5-4.7)	2.1 (1.4-2.6)	1.1 (0.8-1.4)	0.6 (0.4-0.8)	0.4 (0.2-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.1)
2	45 (33-57)	29 (20-39)	18 (11-25)	10 (6.5-14)	5.8 (3.6-8.2)	3.2 (2.0-4.6)	1.8 (1.1-2.6)	1.0 (0.6-1.4)	0.5 (0.3-0.8)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
3	58 (45-70)	40 (28-52)	25 (17-35)	15 (9.7-22)	8.7 (5.4-13)	4.9 (3.0-7.3)	2.7 (1.7-4.1)	1.5 (0.9-2.3)	0.8 (0.5-1.3)	0.5 (0.3-0.7)	0.3 (0.2-0.4)
4	69 (59-78)	52 (41-65)	35 (26-47)	22 (15-31)	13 (8.7-19)	7.4 (4.9-11)	4.1 (2.7-6.2)	2.3 (1.5-3.5)	1.3 (0.8-2.0)	0.7 (0.5-1.1)	0.4 (0.3-0.6)
5	78 (73-84)	65 (57-74)	47 (39-58)	31 (25-40)	19 (15-25)	11 (8.4-15)	6.2 (4.7-8.7)	3.4 (2.6-4.9)	1.9 (1.5-2.8)	1.1 (0.9-1.6)	0.6 (0.5-0.9)
6	84	75	59	42	27	16	9.1	5.1	2.9	1.7	1.0

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	19	12	6.9	4.1	2.4	1.4	0.8	0.5	0.3	0.2	0.1
1	27 (20-31)	17 (12-20)	10 (7.2-12)	6.1 (4.3-7.3)	3.6 (2.5-4.3)	2.1 (1.5-2.5)	1.2 (0.9-1.5)	0.7 (0.5-0.9)	0.4 (0.3-0.5)	0.3 (0.2-0.3)	0.2 (0.1-0.2)
2	36 (26-45)	24 (17-31)	15 (10-20)	9.1 (6.0-12)	5.4 (3.6-7.4)	3.2 (2.1-4.4)	1.9 (1.2-2.6)	1.1 (0.7-1.5)	0.7 (0.4-0.9)	0.4 (0.3-0.6)	0.2 (0.2-0.3)
3	47 (37-57)	33 (24-42)	21 (15-28)	13 (9.1-18)	8.0 (5.4-11)	4.8 (3.2-6.8)	2.8 (1.9-4.0)	1.7 (1.1-2.4)	1.0 (0.7-1.5)	0.6 (0.4-0.9)	0.4 (0.2-0.5)
4	58 (49-67)	43 (34-53)	29 (22-38)	19 (14-26)	12 (8.4-16)	7.1 (5.0-10)	4.2 (3.0-6.1)	2.5 (1.7-3.6)	1.5 (1.1-2.2)	0.9 (0.6-1.3)	0.6 (0.4-0.8)
5	67 (62-74)	54 (48-63)	39 (33-48)	26 (22-34)	17 (14-22)	10 (8.4-14)	6.2 (5.0-8.5)	3.7 (3.0-5.1)	2.2 (1.8-3.1)	1.4 (1.1-1.9)	0.8 (0.7-1.2)
6	75	64	50	35	23	15	8.9	5.4	3.3	2.0	1.2

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

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	16	10	6.6	4.1	2.6	1.6	1.0	0.6	0.4	0.3	0.2
1	22 (17-25)	15 (11-16)	9.5 (6.9-11)	6.0 (4.3-6.8)	3.8 (2.7-4.3)	2.4 (1.7-2.7)	1.5 (1.0-1.7)	0.9 (0.7-1.1)	0.6 (0.4-0.7)	0.4 (0.3-0.4)	0.2 (0.2-0.3)
2	30 (22-36)	20 (15-25)	13 (9.6-17)	8.7 (6.1-11)	5.5 (3.8-7.1)	3.5 (2.4-4.5)	2.2 (1.5-2.8)	1.4 (0.9-1.8)	0.9 (0.6-1.1)	0.6 (0.4-0.7)	0.4 (0.2-0.5)
3	38 (31-47)	27 (21-35)	19 (14-24)	12 (9.1-16)	7.9 (5.8-11)	5.0 (3.6-6.7)	3.2 (2.3-4.2)	2.0 (1.4-2.7)	1.3 (0.9-1.7)	0.8 (0.6-1.1)	0.5 (0.4-0.7)
4	47 (41-56)	36 (30-44)	25 (20-32)	17 (13-22)	11 (8.6-15)	7.2 (5.5-9.8)	4.6 (3.5-6.3)	2.9 (2.2-4.0)	1.9 (1.4-2.6)	1.2 (0.9-1.7)	0.8 (0.6-1.1)
5	56 (52-63)	45 (40-52)	33 (29-40)	23 (20-29)	16 (14-20)	10 (8.8-14)	6.5 (5.6-8.8)	4.2 (3.6-5.7)	2.7 (2.3-3.7)	1.8 (1.5-2.4)	1.1 (1.0-1.6)
6	64	54	42	30	21	14	9.2	5.9	3.9	2.5	1.6

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	14	9.9	6.7	4.5	3.0	2.0	1.3	0.9	0.6	0.4	0.3
1	21 (19-27)	15 (14-19)	10 (9.3-14)	7.1 (6.3-9.2)	4.7 (4.2-6.2)	3.2 (2.8-4.1)	2.1 (1.8-2.8)	1.4 (1.2-1.9)	1.0 (0.8-1.3)	0.7 (0.6-0.9)	0.4 (0.4-0.6)
2	30 (26-37)	22 (18-28)	16 (13-20)	11 (8.9-14)	7.5 (6.0-9.7)	5.0 (4.0-6.6)	3.3 (2.7-4.4)	2.3 (1.8-3.0)	1.5 (1.3-2.1)	1.1 (0.9-1.4)	0.7 (0.6-1.0)
3	41 (34-48)	31 (25-38)	23 (19-28)	17 (13-21)	11 (9.0-14)	7.8 (6.1-9.9)	5.3 (4.1-6.7)	3.6 (2.8-4.6)	2.5 (1.9-3.2)	1.7 (1.3-2.2)	1.2 (0.9-1.5)
4	52 (44-58)	42 (34-48)	32 (26-38)	24 (19-29)	17 (13-21)	12 (9.2-15)	8.2 (6.2-10)	5.7 (4.2-6.9)	3.9 (2.9-4.8)	2.7 (2.0-3.3)	1.8 (1.4-2.3)
5	61 (54-65)	52 (44-57)	43 (35-47)	33 (27-37)	25 (19-27)	18 (14-20)	13 (9.5-14)	8.8 (6.6-9.6)	6.1 (4.6-6.8)	4.3 (3.2-4.7)	2.9 (2.2-3.3)
6	70	62	53	44	34	26	19	13	9.4	6.6	4.6

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

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	13	9.7	7.0	5.0	3.5	2.5	1.7	1.2	0.9	0.6	0.5
1	22 (17-41)	17 (13-33)	12 (9.3-25)	9.0 (6.7-19)	6.5 (4.8-14)	4.7 (3.4-10)	3.3 (2.4-7.2)	2.4 (1.7-5.3)	1.7 (1.3-3.8)	1.2 (0.9-2.8)	0.9 (0.7-2.0)
2	33 (23-51)	26 (17-42)	20 (13-34)	15 (9.3-27)	11 (6.7-20)	8.1 (4.8-15)	5.8 (3.4-11)	4.3 (2.5-8.0)	3.1 (1.8-5.9)	2.3 (1.3-4.3)	1.6 (0.9-3.1)
3	44 (29-59)	37 (23-51)	30 (17-43)	23 (13-35)	18 (9.3-28)	13 (6.7-21)	9.8 (4.8-16)	7.3 (3.5-12)	5.4 (2.6-8.8)	3.9 (1.9-6.5)	2.9 (1.3-4.7)
4	56 (37-67)	48 (30-59)	41 (23-51)	34 (18-43)	27 (13-35)	21 (9.7-28)	16 (7.0-21)	12 (5.2-16)	8.9 (3.8-12)	6.6 (2.8-9.0)	4.8 (2.0-6.7)
5	66 (47-72)	60 (39-66)	53 (31-59)	45 (25-52)	37 (19-43)	30 (14-35)	23 (10-28)	18 (7.7-22)	14 (5.7-17)	11 (4.2-12)	7.9 (3.1-9.3)
6	75	70	64	57	49	41	33	27	21	16	12

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	12	9.1	6.9	5.2	3.8	2.9	2.1	1.6	1.2	0.9	0.7
1	20 (15-37)	15 (12-31)	12 (8.9-25)	9.2 (6.7-19)	7.0 (5.0-15)	5.3 (3.7-12)	4.0 (2.8-8.8)	3.0 (2.1-6.8)	2.3 (1.6-5.2)	1.8 (1.2-4.0)	1.4 (0.9-3.0)
2	29 (19-47)	24 (15-40)	19 (12-33)	15 (8.8-27)	12 (6.7-21)	9.0 (5.0-17)	6.9 (3.8-13)	5.3 (2.9-10)	4.1 (2.2-7.8)	3.2 (1.7-6.0)	2.4 (1.3-4.7)
3	40 (25-55)	34 (20-49)	28 (16-42)	23 (12-35)	18 (9.2-29)	14 (7.0-23)	11 (5.3-18)	8.8 (4.1-15)	6.9 (3.1-11)	5.3 (2.4-9.0)	4.1 (1.8-7.0)
4	51 (32-62)	45 (26-56)	39 (21-50)	32 (17-43)	27 (13-36)	22 (9.9-30)	17 (7.6-24)	14 (5.9-20)	11 (4.6-16)	8.6 (3.6-12)	6.7 (2.7-9.6)
5	61 (41-68)	56 (35-62)	50 (29-56)	43 (23-49)	37 (18-43)	31 (14-36)	25 (11-30)	21 (8.8-24)	17 (6.9-20)	13 (5.3-16)	11 (4.1-13)
6	70	66	61	55	48	41	35	29	24	20	16

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

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	9.3	7.3	5.7	4.5	3.5	2.7	2.1	1.7	1.4	1.1	0.9
1	16 (12-31)	13 (9.4-26)	10 (7.4-21)	8.1 (5.8-17)	6.4 (4.6-14)	5.0 (3.6-11)	4.0 (2.8-8.8)	3.2 (2.2-7.1)	2.6 (1.8-5.8)	2.1 (1.4-4.6)	1.7 (1.1-3.7)
2	25 (15-41)	20 (12-35)	17 (9.8-30)	14 (7.8-24)	11 (6.1-20)	8.6 (4.8-16)	6.9 (3.8-13)	5.6 (3.1-11)	4.5 (2.5-8.6)	3.7 (2.0-7.0)	2.9 (1.6-5.6)
3	35 (21-50)	30 (17-44)	25 (13-38)	21 (11-33)	17 (8.5-27)	14 (6.7-22)	11 (5.4-18)	9.3 (4.3-15)	7.6 (3.5-13)	6.1 (2.8-10)	5.0 (2.2-8.4)
4	47 (27-58)	41 (23-53)	36 (19-47)	30 (15-41)	26 (12-35)	21 (9.7-29)	18 (7.8-25)	15 (6.3-21)	12 (5.1-17)	9.9 (4.1-14)	8.1 (3.3-12)
5	58 (37-64)	53 (31-59)	47 (26-53)	42 (21-47)	36 (17-41)	31 (14-35)	26 (11-30)	22 (9.4-26)	18 (7.6-22)	15 (6.2-18)	13 (5.0-15)
6	67	63	59	54	48	42	36	31	27	23	19

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	5.5	4.5	3.7	3.0	2.5	2.0	1.7	1.4	1.2	1.0	0.8
1	9.8 (7.2-21)	8.2 (5.9-17)	6.8 (4.9-15)	5.6 (4.0-12)	4.6 (3.3-10)	3.8 (2.7-8.4)	3.2 (2.2-7.0)	2.7 (1.9-5.9)	2.2 (1.6-5.0)	1.9 (1.3-4.2)	1.6 (1.1-3.6)
2	16 (9.3-28)	13 (7.7-24)	11 (6.4-21)	9.4 (5.2-18)	7.8 (4.3-15)	6.5 (3.5-12)	5.5 (3.0-10)	4.6 (2.5-8.8)	3.9 (2.1-7.5)	3.3 (1.8-6.3)	2.8 (1.5-5.3)
3	24 (13-37)	21 (11-32)	18 (8.8-28)	15 (7.3-24)	13 (6.0-20)	11 (5.0-17)	9.0 (4.2-15)	7.7 (3.5-13)	6.5 (3.0-11)	5.5 (2.5-9.2)	4.7 (2.1-7.8)
4	34 (18-45)	30 (15-40)	26 (12-35)	22 (10-31)	19 (8.6-27)	16 (7.1-23)	14 (6.0-20)	12 (5.1-17)	10 (4.3-15)	8.8 (3.7-13)	7.5 (3.1-11)
5	45 (24-51)	41 (21-46)	36 (18-42)	32 (15-37)	28 (13-32)	24 (11-28)	21 (8.9-25)	18 (7.6-21)	16 (6.5-19)	14 (5.5-16)	12 (4.6-14)
6	56	52	47	43	38	34	30	27	23	20	18