

Slovakia - The probabilities of a major osteoporotic fracture in men

The following tables give the 10-year probability (%) of a major osteoporotic fracture (hip, clinical spine, forearm or proximal humerus 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	31	19	13	8.6	6.2	4.8	3.9	3.3	3.0	2.8	2.7	
1	43 (36-52)	28 (25-36)	19 (17-24)	13 (11-16)	9.4 (7.4-12)	7.2 (5.3-9.1)	5.9 (4.1-7.5)	4.9 (3.3-6.6)	4.4 (2.9-6.0)	4.2 (2.7-5.8)	4.0 (2.5-5.6)	
2	57 (46-70)	40 (32-52)	27 (22-37)	19 (15-26)	14 (9.9-19)	11 (6.9-16)	8.6 (5.2-14)	7.2 (4.1-12)	6.4 (3.5-11)	6.1 (3.2-11)	5.8 (3.0-10)	
3	70 (57-80)	53 (41-65)	38 (28-48)	27 (20-37)	20 (13-29)	15 (9.2-25)	12 (6.8-21)	10 (5.3-19)	9.2 (4.5-17)	8.7 (4.1-16)	8.3 (3.9-16)	
4	80 (69-86)	66 (52-75)	50 (37-59)	37 (26-45)	28 (19-37)	21 (15-31)	17 (11-27)	15 (8.5-23)	13 (7.2-21)	12 (6.5-21)	12 (6.1-20)	
5	86 (81-89)	77 (68-82)	63 (53-69)	49 (39-54)	37 (29-44)	29 (22-37)	24 (18-31)	20 (15-27)	18 (13-25)	17 (12-24)	16 (11-23)	
6	90	85	75	61	48	39	32	27	24	23	22	

Ten year probability of osteoporotic 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	29	19	13	9.3	6.9	5.4	4.4	3.7	3.3	3.1	3.0	
1	40 (35-47)	28 (25-33)	19 (17-23)	14 (11-17)	10 (7.9-12)	8.0 (5.8-9.9)	6.5 (4.5-8.4)	5.4 (3.7-7.3)	4.9 (3.2-6.8)	4.6 (3.0-6.4)	4.4 (2.8-6.1)	
2	52 (43-63)	38 (31-48)	27 (22-35)	20 (15-26)	15 (11-21)	12 (7.5-17)	9.4 (5.7-15)	7.9 (4.5-13)	7.1 (3.9-12)	6.7 (3.5-11)	6.3 (3.3-11)	
3	64 (54-74)	50 (39-60)	37 (29-46)	27 (20-37)	21 (14-31)	16 (10-26)	13 (7.5-22)	11 (5.9-20)	10 (5.1-18)	9.4 (4.6-17)	8.9 (4.2-17)	
4	75 (65-81)	62 (50-70)	48 (37-56)	37 (27-46)	28 (20-38)	22 (16-32)	18 (12-28)	15 (9.2-25)	14 (7.9-23)	13 (7.1-22)	12 (6.6-21)	
5	82 (77-85)	72 (65-77)	60 (51-65)	48 (39-54)	38 (30-45)	30 (24-38)	25 (19-33)	21 (16-29)	19 (14-26)	18 (13-25)	17 (12-24)	
6	86	80	70	59	48	39	32	28	25	23	22	

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	25	18	13	9.4	7.2	5.7	4.7	4.0	3.6	3.3	3.1	
1	34 (32-39)	25 (22-29)	18 (15-21)	14 (11-16)	10 (8.0-12)	8.3 (6.1-10)	6.8 (4.8-9.0)	5.8 (3.9-7.8)	5.3 (3.4-7.3)	4.9 (3.1-6.8)	4.6 (2.9-6.4)	
2	45 (37-53)	34 (28-41)	25 (20-32)	19 (15-25)	15 (11-21)	12 (7.8-18)	9.8 (6.0-15)	8.2 (4.8-13)	7.5 (4.2-12)	7.0 (3.8-12)	6.5 (3.5-11)	
3	56 (46-64)	44 (35-52)	34 (27-43)	26 (19-36)	21 (14-30)	16 (10-26)	14 (7.9-22)	11 (6.3-20)	10 (5.5-18)	9.7 (4.9-17)	9.1 (4.5-17)	
4	66 (57-72)	54 (45-61)	44 (34-52)	35 (26-44)	28 (21-37)	22 (16-32)	18 (12-28)	16 (9.6-25)	14 (8.3-23)	13 (7.4-22)	12 (6.8-21)	
5	74 (68-77)	64 (57-69)	54 (47-60)	44 (37-51)	36 (30-44)	29 (24-38)	25 (20-33)	21 (16-29)	19 (14-27)	18 (13-25)	17 (12-24)	
6	79	72	63	54	45	38	32	27	25	23	22	

Ten year probability of osteoporotic 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	22	16	12	9.3	7.2	5.8	4.7	4.0	3.6	3.3	3.0
1	30 (27-33)	23 (20-26)	17 (14-19)	13 (10-15)	10 (7.9-12)	8.2 (6.0-10)	6.7 (4.7-8.8)	5.7 (3.9-7.7)	5.2 (3.4-7.1)	4.7 (3.1-6.6)	4.4 (2.8-6.2)
2	39 (32-45)	30 (25-36)	23 (19-29)	18 (14-24)	14 (10-20)	12 (7.8-17)	9.5 (6.1-14)	8.1 (4.9-13)	7.3 (4.2-12)	6.7 (3.7-11)	6.2 (3.3-10)
3	48 (41-55)	39 (32-46)	31 (25-39)	24 (19-33)	19 (14-28)	16 (10-24)	13 (8.0-21)	11 (6.4-18)	10 (5.5-17)	9.2 (4.8-16)	8.5 (4.3-15)
4	57 (50-63)	48 (40-55)	39 (32-47)	32 (25-40)	26 (20-35)	21 (15-30)	17 (12-26)	15 (9.6-23)	14 (8.2-22)	12 (7.2-20)	12 (6.5-19)
5	65 (60-70)	56 (51-63)	48 (42-55)	40 (34-47)	33 (28-41)	27 (23-35)	23 (19-31)	20 (16-27)	18 (13-25)	16 (12-24)	15 (11-22)
6	71	64	56	48	41	34	29	25	23	21	20

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	20	15	12	9.0	7.0	5.6	4.5	3.8	3.4	3.1	2.8
1	28 (23-34)	21 (18-26)	16 (13-20)	13 (10-16)	9.9 (7.6-12)	7.9 (5.9-9.6)	6.3 (4.6-7.6)	5.3 (3.8-6.4)	4.7 (3.3-5.6)	4.2 (2.9-5.0)	3.7 (2.5-4.5)
2	37 (30-45)	29 (23-37)	23 (18-29)	18 (13-23)	14 (10-19)	11 (7.8-15)	8.7 (6.0-12)	7.3 (4.9-10)	6.4 (4.1-8.9)	5.6 (3.5-7.9)	5.0 (3.1-7.2)
3	47 (38-55)	38 (31-47)	31 (24-39)	24 (18-32)	19 (14-26)	15 (10-21)	12 (8.0-17)	10 (6.5-15)	8.6 (5.4-13)	7.5 (4.7-12)	6.7 (4.1-10)
4	56 (48-63)	48 (39-56)	40 (31-48)	32 (25-40)	26 (19-33)	20 (15-27)	16 (12-22)	13 (9.4-19)	12 (7.9-17)	10 (6.8-15)	8.9 (5.9-13)
5	65 (58-70)	58 (50-63)	49 (42-56)	41 (34-48)	34 (28-40)	27 (22-33)	22 (17-27)	18 (14-23)	15 (12-20)	13 (11-18)	12 (9.4-16)
6	72	66	59	51	43	35	29	24	20	17	15

Ten year probability of osteoporotic 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	18	14	11	9.0	7.1	5.7	4.6	3.9	3.4	3.0	2.7
1	27 (21-44)	22 (16-36)	17 (13-29)	14 (9.8-22)	11 (7.6-17)	8.5 (5.9-13)	6.7 (4.7-10)	5.6 (3.9-8.1)	4.8 (3.3-6.6)	4.2 (2.8-5.4)	3.6 (2.5-4.5)
2	37 (27-53)	31 (21-45)	25 (17-37)	20 (13-30)	16 (10-24)	12 (8.0-19)	9.8 (6.2-15)	8.1 (5.1-12)	6.8 (4.3-9.7)	5.8 (3.6-8.0)	5.0 (3.1-6.8)
3	48 (34-62)	41 (27-54)	34 (22-47)	28 (18-39)	23 (14-32)	18 (11-26)	14 (8.4-20)	12 (6.9-17)	9.7 (5.7-14)	8.1 (4.8-12)	6.8 (4.1-9.8)
4	58 (42-68)	52 (35-62)	45 (29-55)	38 (23-48)	31 (19-40)	25 (15-33)	20 (12-27)	17 (9.6-22)	14 (8.0-18)	11 (6.8-15)	9.4 (5.8-13)
5	68 (51-74)	62 (44-68)	55 (37-62)	48 (31-56)	41 (25-48)	34 (20-41)	28 (17-34)	23 (14-28)	19 (12-24)	16 (10-20)	13 (8.8-17)
6	75	71	65	59	52	45	37	31	26	22	18

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	17	14	11	8.9	7.2	5.9	4.9	4.2	3.7	3.2	2.8
1	24 (18-40)	20 (15-34)	16 (12-28)	13 (9.6-23)	11 (7.6-18)	8.8 (6.1-14)	7.2 (4.9-12)	6.1 (4.2-9.5)	5.2 (3.5-7.8)	4.5 (3.0-6.4)	3.9 (2.6-5.4)
2	34 (24-50)	28 (19-43)	24 (16-36)	19 (13-30)	16 (10-25)	13 (8.2-20)	10 (6.6-16)	8.8 (5.6-13)	7.4 (4.7-11)	6.3 (4.0-9.2)	5.4 (3.4-7.7)
3	44 (30-57)	38 (25-51)	32 (21-44)	27 (17-38)	22 (14-32)	18 (11-26)	15 (9.0-22)	13 (7.5-18)	11 (6.3-15)	8.9 (5.3-13)	7.6 (4.6-11)
4	54 (37-64)	48 (31-58)	42 (26-52)	36 (22-46)	31 (18-40)	26 (15-33)	21 (12-28)	18 (10-24)	15 (8.6-20)	13 (7.3-17)	11 (6.3-14)
5	63 (45-69)	58 (39-64)	52 (34-59)	46 (28-53)	40 (24-47)	34 (20-40)	29 (16-34)	24 (14-30)	21 (12-25)	17 (10-22)	15 (8.8-18)
6	71	67	62	56	50	44	38	33	28	24	20

Ten year probability of osteoporotic 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	14	12	9.8	8.1	6.7	5.6	4.7	4.1	3.6	3.2	2.8
1	21 (15-35)	17 (13-29)	15 (10-25)	12 (8.6-20)	10 (7.0-17)	8.3 (5.8-14)	7.0 (4.8-11)	6.1 (4.1-9.6)	5.3 (3.6-8.1)	4.6 (3.1-6.9)	4.0 (2.7-5.9)
2	29 (20-44)	25 (17-38)	21 (14-33)	18 (11-28)	15 (9.4-23)	12 (7.8-19)	10 (6.5-16)	8.8 (5.6-14)	7.6 (4.8-12)	6.6 (4.1-9.8)	5.7 (3.5-8.3)
3	39 (26-53)	34 (22-47)	29 (18-41)	25 (15-36)	21 (13-30)	18 (11-26)	15 (8.8-22)	13 (7.5-18)	11 (6.4-16)	9.4 (5.5-13)	8.1 (4.8-11)
4	50 (33-60)	44 (28-55)	39 (24-49)	34 (20-44)	29 (17-38)	25 (14-33)	21 (12-28)	18 (10-24)	16 (8.9-21)	13 (7.6-18)	11 (6.6-15)
5	60 (41-66)	55 (36-61)	50 (31-56)	44 (26-51)	39 (22-45)	34 (19-40)	29 (16-35)	25 (14-30)	22 (12-27)	19 (10-23)	16 (9.1-20)
6	68	64	60	55	50	44	39	34	30	26	22

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	9.9	8.4	7.2	6.1	5.1	4.3	3.8	3.4	3.0	2.7	2.4
1	15 (10-24)	12 (8.8-21)	11 (7.4-18)	9.0 (6.2-15)	7.6 (5.2-13)	6.4 (4.4-11)	5.6 (3.8-9.2)	4.9 (3.3-8.0)	4.4 (2.9-6.9)	3.8 (2.6-6.0)	3.4 (2.3-5.2)
2	21 (14-32)	18 (12-28)	15 (9.9-24)	13 (8.4-21)	11 (7.0-17)	9.5 (5.9-15)	8.3 (5.1-13)	7.3 (4.5-11)	6.4 (4.0-9.7)	5.6 (3.5-8.5)	4.9 (3.0-7.4)
3	29 (18-40)	25 (16-35)	22 (13-31)	19 (11-27)	16 (9.6-23)	14 (8.1-20)	12 (7.0-18)	11 (6.1-15)	9.2 (5.4-13)	8.1 (4.7-12)	7.1 (4.1-10)
4	38 (24-48)	34 (20-43)	30 (18-39)	26 (15-34)	23 (13-30)	20 (11-26)	17 (9.6-23)	15 (8.4-20)	13 (7.4-18)	12 (6.5-16)	10 (5.7-14)
5	48 (30-54)	44 (27-50)	39 (23-46)	35 (20-41)	31 (17-37)	27 (15-32)	24 (13-29)	21 (11-26)	19 (10-23)	17 (8.9-20)	15 (7.9-18)
6	57	54	50	45	41	36	33	29	26	23	20