

Slovakia - The probabilities of a major osteoporotic fracture in women

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	27	17	12	8.3	6.4	5.1	4.3	3.9	3.7	3.5	3.3
1	39 (34-48)	26 (23-32)	18 (15-22)	13 (10-16)	9.6 (7.2-12)	7.7 (5.5-9.8)	6.5 (4.4-8.6)	5.8 (3.9-7.9)	5.5 (3.6-7.5)	5.2 (3.4-7.3)	5.0 (3.2-7.0)
2	54 (43-69)	37 (30-50)	26 (20-35)	19 (14-26)	14 (9.4-21)	11 (6.9-18)	9.5 (5.4-16)	8.5 (4.7-14)	8.0 (4.3-14)	7.7 (4.0-13)	7.4 (3.8-13)
3	69 (55-83)	51 (39-64)	37 (27-48)	27 (18-39)	20 (12-32)	16 (9.1-28)	14 (7.1-24)	12 (6.1-22)	12 (5.5-21)	11 (5.2-21)	11 (4.9-20)
4	83 (69-91)	66 (50-77)	50 (35-59)	37 (26-48)	29 (20-40)	23 (15-35)	19 (12-30)	17 (9.9-28)	16 (8.9-27)	16 (8.3-26)	15 (7.9-25)
5	92 (86-95)	80 (70-86)	64 (53-69)	50 (40-56)	39 (31-47)	32 (25-40)	27 (21-35)	24 (18-32)	22 (16-31)	21 (15-30)	21 (14-29)
6	96	90	78	63	51	42	36	32	30	29	28

Ten year probability of osteoporotic fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in women 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	27	19	13	9.9	7.8	6.3	5.3	4.8	4.5	4.3	4.0
1	39 (36-46)	27 (25-33)	20 (17-24)	15 (12-18)	12 (8.7-14)	9.4 (6.7-12)	7.9 (5.4-10)	7.2 (4.8-9.8)	6.7 (4.4-9.3)	6.3 (4.1-8.8)	6.0 (3.9-8.4)
2	53 (45-66)	39 (32-50)	28 (22-37)	21 (15-29)	17 (11-25)	14 (8.4-21)	11 (6.6-18)	10 (5.8-17)	9.8 (5.3-16)	9.2 (4.9-15)	8.7 (4.6-15)
3	68 (56-79)	52 (41-63)	39 (30-52)	30 (20-44)	24 (15-37)	19 (11-32)	16 (8.7-28)	15 (7.6-26)	14 (6.8-25)	13 (6.3-24)	12 (5.9-23)
4	81 (68-88)	66 (52-75)	52 (39-62)	41 (30-53)	33 (23-46)	27 (18-40)	23 (14-35)	21 (12-33)	19 (11-31)	18 (10-30)	17 (9.5-28)
5	90 (85-93)	79 (72-84)	66 (57-72)	53 (45-61)	44 (36-53)	36 (29-46)	31 (25-40)	28 (21-38)	26 (19-36)	25 (18-34)	24 (17-33)
6	95	89	79	67	56	47	41	37	35	33	32

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	28	20	15	11	9.0	7.3	6.3	5.7	5.3	4.9	4.6
1	39 (36-45)	29 (26-33)	22 (18-25)	17 (13-20)	13 (9.9-16)	11 (7.7-14)	9.2 (6.4-12)	8.4 (5.7-11)	7.7 (5.2-11)	7.2 (4.7-10)	6.7 (4.4-9.5)
2	53 (46-64)	40 (34-50)	30 (24-39)	24 (17-32)	19 (13-27)	15 (9.6-23)	13 (7.8-21)	12 (6.8-19)	11 (6.2-18)	10 (5.6-17)	9.7 (5.2-16)
3	67 (56-76)	53 (43-65)	41 (31-55)	33 (22-47)	26 (16-40)	22 (13-35)	19 (10-31)	17 (8.9-29)	16 (7.9-28)	15 (7.2-26)	14 (6.7-25)
4	79 (68-85)	66 (54-75)	54 (42-65)	43 (33-56)	35 (26-49)	29 (20-43)	26 (16-39)	23 (14-36)	22 (13-34)	20 (12-32)	19 (11-31)
5	88 (84-90)	78 (72-83)	67 (60-73)	56 (48-64)	46 (40-56)	39 (33-49)	34 (27-44)	31 (24-42)	29 (21-39)	27 (19-37)	26 (18-35)
6	93	87	79	68	59	50	44	41	38	36	34

Ten year probability of osteoporotic fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in women 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	30	22	16	12	9.8	7.9	6.9	6.2	5.6	5.1	4.7
1	41 (38-45)	31 (27-34)	23 (20-26)	18 (14-21)	14 (11-18)	11 (8.3-15)	10 (7.0-13)	9.0 (6.1-12)	8.2 (5.5-11)	7.5 (4.9-10)	6.9 (4.5-9.7)
2	53 (47-62)	41 (35-50)	32 (26-40)	25 (19-33)	20 (14-28)	16 (10-24)	14 (8.7-22)	13 (7.5-20)	12 (6.6-19)	11 (5.9-17)	9.8 (5.4-16)
3	66 (57-75)	54 (45-65)	43 (33-56)	34 (24-48)	28 (18-41)	23 (14-36)	20 (11-33)	18 (9.7-30)	16 (8.5-28)	15 (7.6-26)	14 (6.9-24)
4	77 (68-83)	66 (55-74)	55 (44-66)	45 (35-57)	37 (28-50)	30 (22-43)	27 (18-40)	24 (15-37)	22 (13-35)	20 (12-32)	19 (11-30)
5	85 (82-88)	77 (72-82)	67 (61-74)	56 (50-65)	47 (41-57)	40 (34-50)	35 (28-46)	32 (25-42)	29 (22-40)	27 (20-37)	25 (18-35)
6	90	85	77	68	59	50	45	42	38	36	33

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	31	23	18	13	10	8.4	7.2	6.3	5.6	5.1	4.6
1	43 (39-50)	33 (29-38)	25 (21-29)	19 (15-22)	15 (12-17)	12 (9.0-14)	10 (7.5-12)	8.8 (6.4-10)	7.7 (5.5-9.1)	6.9 (4.9-8.2)	6.2 (4.4-7.4)
2	57 (49-66)	45 (37-54)	34 (27-43)	26 (20-34)	20 (15-26)	16 (11-21)	14 (9.4-18)	12 (7.9-16)	11 (6.7-14)	9.4 (5.9-13)	8.4 (5.2-12)
3	70 (60-79)	58 (47-69)	46 (35-58)	36 (26-48)	28 (20-39)	23 (15-32)	19 (12-28)	16 (10-24)	14 (8.8-22)	13 (7.6-20)	11 (6.7-18)
4	80 (73-85)	71 (62-78)	59 (49-68)	48 (38-58)	38 (29-48)	31 (23-40)	26 (19-35)	22 (16-31)	19 (14-27)	17 (12-25)	15 (11-22)
5	86 (83-89)	80 (75-84)	72 (65-77)	61 (53-67)	50 (43-56)	40 (34-48)	34 (29-41)	29 (25-36)	25 (21-32)	22 (19-29)	20 (16-26)
6	89	86	81	73	62	52	44	38	33	29	25

Ten year probability of osteoporotic fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in women 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	33	25	19	15	11	9.4	8.0	6.8	5.9	5.2	4.6
1	46 (39-66)	37 (30-54)	28 (23-42)	22 (17-32)	17 (13-24)	13 (10-18)	11 (8.3-14)	9.4 (6.9-11)	8.0 (5.9-9.3)	7.0 (5.1-8.2)	6.1 (4.4-7.3)
2	60 (49-76)	50 (38-68)	40 (29-57)	31 (22-46)	24 (17-35)	19 (13-28)	16 (11-22)	13 (8.7-18)	11 (7.3-14)	9.3 (6.2-12)	8.1 (5.4-11)
3	72 (59-82)	63 (48-76)	54 (38-68)	44 (29-57)	34 (22-46)	27 (17-38)	22 (14-31)	18 (11-25)	15 (9.5-21)	13 (8.1-18)	11 (7.0-15)
4	80 (69-86)	74 (60-82)	66 (49-76)	57 (39-67)	47 (30-57)	38 (25-47)	31 (20-39)	25 (17-32)	21 (14-27)	17 (12-23)	14 (11-19)
5	85 (77-88)	82 (70-86)	77 (62-82)	69 (52-75)	60 (43-66)	51 (35-57)	42 (30-48)	34 (25-40)	28 (21-33)	23 (19-28)	19 (16-24)
6	88	87	84	79	72	64	55	46	38	31	25

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	33	26	20	16	13	11	8.9	7.6	6.6	5.7	5.0
1	44 (37-63)	36 (29-53)	29 (23-43)	23 (17-34)	18 (14-26)	15 (11-21)	12 (9.2-17)	10 (7.6-13)	8.9 (6.4-11)	7.6 (5.5-8.8)	6.6 (4.7-7.5)
2	56 (45-72)	48 (37-64)	40 (29-55)	32 (23-46)	26 (18-37)	21 (14-30)	17 (12-25)	14 (9.7-20)	12 (8.1-16)	10 (6.8-13)	8.7 (5.8-11)
3	67 (54-78)	60 (46-73)	51 (37-65)	43 (29-56)	35 (23-47)	29 (19-39)	24 (15-33)	20 (13-27)	17 (11-23)	14 (8.9-19)	12 (7.6-16)
4	75 (63-82)	70 (55-78)	63 (46-73)	55 (38-65)	46 (31-56)	39 (26-48)	33 (21-41)	27 (18-34)	22 (15-29)	19 (13-24)	16 (11-21)
5	81 (71-85)	77 (64-82)	72 (57-78)	66 (48-72)	58 (41-65)	51 (35-57)	43 (30-50)	36 (25-42)	30 (22-36)	25 (19-30)	21 (16-26)
6	85	83	80	75	69	62	55	47	40	33	28

Ten year probability of osteoporotic fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in women 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	28	23	18	14	12	10	8.8	7.5	6.4	5.6	4.8
1	38 (30-55)	32 (24-46)	26 (19-38)	21 (15-30)	17 (13-25)	14 (10-20)	12 (8.7-17)	10 (7.3-14)	8.7 (6.2-11)	7.5 (5.3-9.1)	6.4 (4.5-7.6)
2	49 (38-65)	42 (31-57)	35 (25-49)	29 (20-41)	24 (16-34)	20 (14-29)	17 (11-24)	14 (9.4-20)	12 (7.9-16)	10 (6.6-14)	8.6 (5.6-11)
3	60 (47-72)	53 (39-66)	46 (32-59)	38 (26-51)	33 (21-43)	28 (18-37)	23 (15-31)	19 (12-26)	16 (10-22)	14 (8.7-19)	12 (7.4-16)
4	69 (55-78)	64 (48-73)	57 (40-67)	49 (33-59)	43 (28-52)	37 (24-46)	31 (20-39)	26 (17-33)	22 (15-28)	19 (12-24)	16 (11-21)
5	77 (64-81)	72 (57-78)	67 (50-73)	60 (43-67)	54 (37-61)	48 (32-54)	41 (28-48)	35 (24-42)	30 (20-36)	25 (17-30)	21 (15-26)
6	81	79	76	71	65	59	52	46	39	33	28

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	20	16	13	11	9.3	8.0	6.8	5.8	5.0	4.3	3.7
1	28 (21-40)	23 (17-34)	19 (13-28)	15 (11-23)	13 (9.3-19)	11 (7.8-16)	9.5 (6.6-13)	8.1 (5.6-11)	6.9 (4.8-9.3)	5.9 (4.1-7.7)	5.0 (3.5-6.4)
2	37 (26-50)	31 (22-43)	26 (18-36)	21 (14-31)	18 (12-26)	16 (10-22)	13 (8.6-19)	11 (7.3-16)	9.5 (6.1-13)	8.1 (5.2-11)	6.9 (4.4-9.4)
3	46 (33-59)	40 (28-52)	34 (23-46)	29 (19-39)	25 (16-34)	22 (14-29)	18 (11-25)	16 (9.6-21)	13 (8.1-18)	11 (6.9-15)	9.4 (5.8-13)
4	56 (42-66)	51 (35-60)	44 (30-54)	38 (25-48)	34 (21-42)	29 (18-37)	25 (16-32)	21 (13-28)	18 (11-24)	15 (9.7-20)	13 (8.2-17)
5	66 (50-71)	61 (44-67)	55 (38-62)	49 (32-56)	44 (28-50)	38 (25-45)	34 (21-40)	29 (18-35)	25 (16-30)	21 (14-26)	18 (12-22)
6	73	69	65	59	54	49	44	38	33	29	24