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 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 Slovakia. 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/m²)						
	15	20	25	30	35	40	45
0	3.2	3.1	3.1	2.7	2.3	2.0	1.8
1	5.1 (3.4-7.8)	4.9 (3.2-7.0)	4.8 (3.2-6.6)	4.1 (2.7-5.8)	3.6 (2.4-5.0)	3.1 (2.1-4.3)	2.7 (1.8-3.8)
2	8.0 (4.4-13)	7.5 (4.0-13)	7.3 (3.9-13)	6.3 (3.3-11)	5.5 (2.9-9.6)	4.7 (2.5-8.4)	4.1 (2.2-7.4)
3	12 (6.4-20)	11 (5.7-20)	11 (5.3-19)	9.4 (4.6-17)	8.2 (4.0-15)	7.1 (3.4-13)	6.2 (2.9-11)
4	18 (10-28)	17 (9.1-26)	16 (8.5-26)	14 (7.3-22)	12 (6.2-20)	10 (5.3-17)	9.0 (4.6-15)
5	27 (16-35)	24 (16-32)	23 (15-30)	20 (13-27)	17 (12-23)	15 (10-21)	13 (8.8-18)
6	38	34	32	28	24	21	18

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

Age = 55 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	3.8	3.7	3.7	3.2	2.7	2.4	2.1
1	6.0 (4.0-8.9)	5.7 (3.9-8.1)	5.6 (3.8-7.7)	4.9 (3.3-6.7)	4.2 (2.8-5.8)	3.6 (2.4-5.0)	3.2 (2.1-4.3)
2	9.3 (5.3-15)	8.7 (4.8-15)	8.5 (4.6-14)	7.3 (4.0-13)	6.3 (3.4-11)	5.5 (2.9-9.6)	4.7 (2.5-8.3)
3	14 (7.8-22)	13 (7.0-22)	13 (6.5-22)	11 (5.5-19)	9.4 (4.7-16)	8.1 (4.1-14)	7.0 (3.5-13)
4	21 (12-30)	19 (11-29)	18 (10-29)	16 (8.6-25)	14 (7.3-22)	12 (6.3-19)	10 (5.3-17)
5	29 (19-37)	27 (18-35)	26 (18-34)	22 (15-30)	19 (13-26)	17 (12-23)	15 (10-20)
6	40	37	35	31	27	23	20

Age = 60 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	4.4	4.2	4.2	3.6	3.1	2.7	2.3
1	6.7 (4.6-9.6)	6.5 (4.4-9.0)	6.4 (4.3-8.6)	5.5 (3.7-7.4)	4.7 (3.2-6.4)	4.1 (2.7-5.5)	3.5 (2.3-4.7)
2	10 (6.1-16)	9.8 (5.6-16)	9.6 (5.4-16)	8.2 (4.6-14)	7.1 (3.9-12)	6.1 (3.3-10)	5.2 (2.8-9.1)
3	15 (9.0-22)	14 (8.2-23)	14 (7.6-23)	12 (6.4-20)	10 (5.5-18)	8.9 (4.6-15)	7.6 (4.0-13)
4	22 (14-31)	21 (13-31)	20 (12-31)	17 (9.9-27)	15 (8.3-23)	13 (7.0-20)	11 (5.9-18)
5	30 (20-38)	29 (20-37)	28 (20-36)	24 (17-32)	21 (15-28)	18 (13-24)	15 (11-21)
6	40	39	38	33	28	25	21

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

Age = 65 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	4.9	4.7	4.6	3.9	3.3	2.9	2.4
1	7.4 (5.2-10)	7.1 (4.9-9.5)	6.9 (4.8-9.1)	5.9 (4.0-7.8)	5.0 (3.4-6.6)	4.3 (2.9-5.7)	3.7 (2.4-4.8)
2	11 (7.0-16)	11 (6.4-16)	10 (6.0-16)	8.7 (5.1-14)	7.4 (4.3-12)	6.3 (3.6-11)	5.4 (3.0-9.1)
3	16 (10-23)	15 (9.5-23)	15 (8.7-23)	13 (7.3-20)	11 (6.1-18)	9.2 (5.1-15)	7.8 (4.3-13)
4	22 (15-31)	22 (14-31)	21 (13-31)	18 (11-27)	15 (9.1-23)	13 (7.6-20)	11 (6.3-18)
5	30 (22-38)	29 (21-38)	29 (21-37)	25 (18-33)	21 (15-28)	18 (13-24)	15 (11-21)
6	39	39	38	33	29	25	21

Age = 70 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	5.5	5.2	5.0	4.2	3.5	3.0	2.5
1	8.4 (5.9-11)	7.8 (5.5-10)	7.4 (5.3-9.5)	6.1 (4.4-8.0)	5.1 (3.6-6.7)	4.3 (3.0-5.7)	3.6 (2.5-4.8)
2	13 (8.1-19)	12 (7.5-17)	11 (6.9-16)	9.0 (5.7-13)	7.4 (4.7-11)	6.2 (3.8-9.2)	5.2 (3.2-7.7)
3	18 (11-28)	17 (11-25)	16 (10-23)	13 (8.3-19)	11 (6.8-16)	8.9 (5.6-13)	7.4 (4.5-11)
4	26 (17-36)	24 (16-34)	23 (15-32)	19 (12-27)	16 (10-23)	13 (8.2-19)	11 (6.7-16)
5	36 (30-44)	34 (28-42)	31 (26-40)	26 (21-34)	22 (17-29)	18 (14-24)	15 (12-20)
6	46	44	42	36	30	25	21

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

Age = 75 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	6.7	6.3	6.0	4.9	4.0	3.3	2.8
1	11 (7.2-17)	9.9 (6.7-15)	9.1 (6.3-12)	7.4 (5.1-9.8)	6.0 (4.2-7.8)	4.9 (3.4-6.3)	4.0 (2.8-5.0)
2	17 (9.7-27)	15 (9.3-24)	14 (8.5-21)	11 (6.9-17)	9.1 (5.5-14)	7.4 (4.5-11)	6.0 (3.6-8.9)
3	25 (14-38)	23 (13-35)	21 (12-31)	17 (9.8-25)	14 (7.8-21)	11 (6.3-17)	8.9 (5.0-14)
4	35 (21-48)	32 (20-44)	30 (18-41)	25 (15-35)	20 (12-29)	16 (9.6-24)	13 (7.7-19)
5	46 (32-56)	44 (31-53)	41 (29-51)	35 (24-44)	29 (20-37)	24 (16-31)	19 (13-26)
6	58	55	53	46	40	33	28

Age = 80 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	8.4	7.8	7.4	6.0	4.9	4.0	3.2
1	13 (9.1-22)	12 (8.4-19)	11 (7.9-16)	9.1 (6.3-13)	7.3 (5.0-10)	5.9 (4.0-8.2)	4.8 (3.2-6.5)
2	20 (12-32)	19 (11-29)	17 (11-25)	14 (8.6-20)	11 (6.8-16)	8.8 (5.5-13)	7.1 (4.4-10)
3	29 (17-42)	27 (16-39)	25 (15-35)	20 (12-29)	16 (9.5-24)	13 (7.5-19)	10 (5.9-16)
4	39 (24-51)	37 (23-48)	34 (22-45)	28 (18-38)	23 (15-32)	19 (12-27)	15 (9.2-22)
5	50 (35-59)	48 (33-56)	45 (32-54)	39 (26-47)	33 (22-41)	27 (18-34)	22 (14-29)
6	60	58	56	50	43	37	31

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

Age = 85 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	9.7	8.7	8.2	6.6	5.3	4.3	3.5
1	15 (11-25)	14 (9.5-21)	12 (8.7-18)	10 (7.0-15)	8.1 (5.5-12)	6.5 (4.4-9.2)	5.2 (3.5-7.3)
2	24 (15-37)	21 (13-32)	19 (12-28)	15 (9.5-23)	12 (7.6-18)	9.8 (6.0-14)	7.8 (4.8-12)
3	34 (21-47)	30 (18-43)	27 (17-39)	22 (13-32)	18 (11-27)	15 (8.4-22)	12 (6.6-18)
4	45 (29-57)	41 (26-53)	38 (25-49)	32 (20-42)	26 (16-36)	21 (13-30)	17 (10-24)
5	56 (41-63)	53 (38-62)	49 (35-58)	43 (29-52)	36 (24-45)	30 (20-38)	25 (16-32)
6	64	63	61	55	48	41	35

Age = 90 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	8.5	7.7	7.4	5.9	4.8	3.8	3.1
1	14 (9.4-22)	12 (8.4-19)	11 (7.8-17)	9.0 (6.2-13)	7.2 (4.9-10)	5.8 (3.9-8.3)	4.6 (3.1-6.5)
2	21 (13-33)	19 (12-29)	17 (11-25)	14 (8.5-21)	11 (6.7-16)	8.7 (5.3-13)	6.9 (4.2-10)
3	30 (18-44)	27 (16-40)	25 (15-36)	20 (12-30)	16 (9.3-24)	13 (7.4-20)	10 (5.8-16)
4	41 (26-53)	38 (24-49)	35 (22-45)	29 (18-39)	24 (14-32)	19 (12-27)	15 (9.1-22)
5	51 (37-59)	49 (34-58)	46 (32-55)	39 (26-48)	33 (22-41)	27 (18-35)	22 (14-29)
6	59	59	57	51	44	38	31