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 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	5.0	4.4	4.1	3.6	3.1	2.7	2.4
1	8.1 (5.7-12)	7.0 (4.8-10)	6.4 (4.4-8.9)	5.6 (3.8-7.7)	4.9 (3.3-6.7)	4.2 (2.9-5.9)	3.7 (2.5-5.1)
2	13 (7.4-21)	11 (6.1-18)	9.9 (5.3-17)	8.6 (4.6-15)	7.5 (4.0-13)	6.5 (3.5-11)	5.7 (3.0-9.8)
3	21 (11-33)	17 (8.7-29)	15 (7.4-26)	13 (6.4-23)	11 (5.5-20)	9.9 (4.8-18)	8.7 (4.1-16)
4	32 (18-45)	26 (15-39)	22 (12-35)	19 (11-31)	17 (9.3-27)	15 (8.0-24)	13 (6.9-21)
5	46 (30-55)	37 (25-47)	32 (22-41)	28 (19-36)	25 (17-32)	22 (15-28)	19 (13-25)
6	63	53	45	40	35	31	27

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

Age = 55 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	6.8	5.9	5.4	4.7	4.1	3.6	3.1
1	11 (7.8-16)	9.3 (6.5-13)	8.4 (5.8-11)	7.3 (5.1-9.9)	6.4 (4.4-8.6)	5.6 (3.8-7.5)	4.9 (3.3-6.5)
2	17 (10-27)	14 (8.3-23)	13 (7.2-21)	11 (6.2-18)	9.8 (5.4-16)	8.5 (4.6-14)	7.4 (4.0-12)
3	27 (15-41)	22 (12-35)	19 (10-32)	17 (8.6-29)	15 (7.4-25)	13 (6.4-22)	11 (5.5-20)
4	39 (24-54)	32 (20-47)	28 (17-42)	25 (14-37)	21 (12-33)	19 (11-29)	16 (9.2-26)
5	55 (39-64)	46 (32-55)	40 (29-49)	35 (25-44)	31 (22-39)	27 (19-35)	24 (17-31)
6	72	62	54	48	43	38	33

Age = 60 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	8.9	7.7	7.0	6.1	5.3	4.6	4.0
1	14 (10-19)	12 (8.6-16)	11 (7.6-14)	9.3 (6.5-12)	8.1 (5.7-11)	7.1 (4.9-9.3)	6.1 (4.2-8.1)
2	22 (14-32)	18 (11-27)	16 (9.4-25)	14 (8.1-22)	12 (6.9-20)	11 (6.0-17)	9.3 (5.2-15)
3	32 (21-47)	27 (16-42)	24 (13-38)	21 (11-34)	18 (9.7-30)	16 (8.3-27)	14 (7.2-24)
4	46 (31-61)	39 (26-54)	34 (22-49)	30 (19-44)	26 (16-39)	23 (14-35)	20 (12-31)
5	62 (48-71)	53 (40-63)	47 (36-57)	41 (31-52)	37 (27-46)	32 (24-41)	28 (21-37)
6	77	69	62	56	50	44	39

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

Age = 65 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	11	9.6	8.5	7.4	6.4	5.5	4.8
1	18 (14-23)	15 (11-19)	13 (9.4-17)	11 (8.0-14)	9.7 (6.9-12)	8.4 (5.9-11)	7.3 (5.1-9.3)
2	27 (18-37)	22 (14-31)	19 (12-29)	17 (10-25)	14 (8.6-22)	13 (7.3-20)	11 (6.3-17)
3	38 (27-52)	32 (21-46)	28 (17-43)	24 (14-38)	21 (12-34)	18 (10-30)	16 (8.8-26)
4	52 (38-66)	45 (32-59)	39 (27-55)	34 (23-49)	30 (20-44)	26 (17-39)	23 (14-35)
5	67 (55-75)	59 (48-69)	53 (42-63)	47 (37-57)	42 (32-51)	37 (28-46)	32 (25-41)
6	78	73	67	61	55	49	44

Age = 70 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	15	12	10	8.8	7.5	6.4	5.5
1	23 (17-27)	18 (14-22)	15 (12-19)	13 (9.8-16)	11 (8.3-14)	9.5 (7.0-12)	8.1 (6.0-10)
2	33 (23-44)	27 (18-36)	22 (15-30)	19 (13-26)	16 (11-22)	14 (8.9-19)	12 (7.5-16)
3	47 (35-60)	39 (27-53)	32 (22-46)	28 (18-40)	24 (15-34)	20 (13-30)	17 (11-26)
4	61 (50-73)	54 (42-67)	45 (34-60)	39 (29-53)	34 (25-46)	29 (21-41)	25 (17-35)
5	73 (68-80)	68 (62-76)	60 (53-70)	53 (46-63)	47 (40-56)	41 (34-49)	35 (29-43)
6	81	80	75	69	62	55	48

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

Age = 75 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	19	16	13	11	9.5	8.0	6.8
1	29 (22-41)	24 (18-33)	20 (15-25)	17 (13-21)	14 (10-17)	12 (8.7-14)	9.9 (7.3-12)
2	42 (29-58)	36 (24-49)	30 (20-40)	25 (16-34)	21 (14-29)	18 (11-24)	15 (9.4-20)
3	56 (40-71)	50 (35-65)	43 (29-57)	37 (24-50)	31 (20-43)	26 (17-37)	22 (14-31)
4	68 (53-78)	64 (48-76)	58 (42-71)	51 (36-65)	44 (31-58)	38 (26-50)	32 (21-44)
5	77 (67-82)	75 (64-82)	72 (60-79)	65 (53-74)	59 (47-68)	52 (40-61)	45 (35-54)
6	83	83	82	77	72	66	59

Age = 80 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	22	19	17	14	12	9.9	8.3
1	32 (24-46)	28 (21-39)	25 (19-32)	21 (15-27)	17 (13-22)	14 (11-18)	12 (8.8-15)
2	44 (32-60)	40 (28-54)	35 (24-46)	30 (20-39)	25 (17-33)	21 (14-28)	17 (11-23)
3	56 (41-70)	52 (38-66)	48 (35-60)	41 (29-53)	35 (24-46)	30 (20-39)	25 (17-33)
4	66 (52-76)	64 (50-74)	61 (47-72)	54 (41-66)	47 (35-59)	41 (29-52)	35 (24-46)
5	75 (64-80)	73 (62-80)	72 (60-79)	66 (54-74)	60 (47-68)	53 (41-62)	46 (35-55)
6	80	80	80	76	71	65	59

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

Age = 85 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	21	19	18	15	12	10	8.7
1	31 (23-45)	28 (21-39)	26 (19-33)	21 (16-28)	18 (13-23)	15 (11-19)	12 (8.8-15)
2	43 (31-58)	39 (27-53)	36 (25-47)	30 (20-40)	25 (17-34)	21 (14-28)	18 (11-24)
3	55 (40-68)	51 (36-65)	47 (34-60)	41 (28-53)	35 (23-47)	30 (19-40)	25 (16-34)
4	65 (51-75)	63 (48-73)	60 (46-70)	53 (39-65)	46 (33-58)	40 (28-51)	34 (23-45)
5	73 (63-77)	72 (61-78)	70 (59-77)	65 (52-73)	58 (46-67)	52 (39-61)	45 (34-54)
6	75	78	78	74	69	63	57

Age = 90 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	16	15	15	12	10	8.5	7.1
1	24 (17-36)	22 (16-32)	21 (15-28)	18 (13-23)	15 (10-19)	12 (8.5-15)	10 (6.9-13)
2	34 (24-49)	32 (21-44)	30 (20-40)	25 (17-34)	21 (14-28)	17 (11-24)	14 (9.0-19)
3	45 (31-59)	42 (29-56)	40 (27-53)	34 (22-46)	29 (18-39)	24 (15-33)	20 (12-28)
4	56 (41-67)	54 (39-65)	51 (38-62)	45 (32-56)	38 (27-49)	33 (22-43)	27 (18-37)
5	64 (53-70)	64 (51-71)	62 (50-70)	56 (43-65)	50 (37-58)	43 (32-52)	37 (27-45)
6	68	71	71	66	61	54	48