

Sweden - 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 Sweden. 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/m ²)						
	15	20	25	30	35	40	45
0	3.7	3.5	3.3	2.9	2.5	2.2	1.9
1	6.0 (4.1-8.9)	5.5 (3.7-7.8)	5.2 (3.5-7.1)	4.5 (3.0-6.2)	3.9 (2.7-5.4)	3.5 (2.3-4.7)	3.0 (2.0-4.1)
2	9.6 (5.2-16)	8.5 (4.6-14)	7.9 (4.2-14)	6.9 (3.7-12)	6.1 (3.2-10)	5.3 (2.8-9.2)	4.6 (2.4-8.1)
3	15 (7.6-25)	13 (6.5-23)	12 (5.8-21)	10 (5.0-19)	9.1 (4.4-17)	8.0 (3.8-15)	7.0 (3.3-13)
4	23 (13-34)	19 (11-30)	18 (9.6-28)	15 (8.3-25)	13 (7.2-22)	12 (6.2-19)	10 (5.4-17)
5	33 (21-42)	28 (19-37)	26 (18-33)	22 (15-30)	20 (13-26)	17 (12-23)	15 (10-20)
6	48	40	36	32	28	24	21

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

Age = 55 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	4.6	4.1	3.9	3.4	3.0	2.6	2.3
1	7.3 (5.1-11)	6.5 (4.5-9.1)	6.1 (4.2-8.3)	5.3 (3.6-7.2)	4.6 (3.1-6.2)	4.0 (2.7-5.4)	3.5 (2.4-4.7)
2	12 (6.7-18)	10 (5.6-16)	9.3 (5.1-15)	8.1 (4.4-14)	7.0 (3.8-12)	6.1 (3.3-10)	5.3 (2.9-9.1)
3	18 (9.9-28)	15 (8.1-26)	14 (7.1-24)	12 (6.1-21)	11 (5.3-19)	9.1 (4.5-16)	8.0 (3.9-14)
4	27 (16-39)	23 (14-34)	20 (12-32)	18 (10-28)	15 (8.6-25)	13 (7.4-22)	12 (6.4-19)
5	38 (26-47)	33 (23-41)	29 (21-38)	26 (18-33)	22 (16-29)	19 (14-26)	17 (12-23)
6	53	46	41	36	31	28	24

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	6.1	5.4	5.0	4.3	3.8	3.3	2.8
1	9.6 (6.9-14)	8.4 (5.9-11)	7.7 (5.4-10)	6.7 (4.6-8.9)	5.8 (4.0-7.7)	5.0 (3.4-6.6)	4.3 (2.9-5.7)
2	15 (9.2-22)	13 (7.6-20)	12 (6.7-19)	10 (5.7-16)	8.7 (4.9-14)	7.6 (4.2-13)	6.5 (3.6-11)
3	22 (14-33)	19 (11-30)	17 (9.4-29)	15 (8.0-25)	13 (6.9-22)	11 (5.9-19)	9.7 (5.0-17)
4	33 (21-45)	28 (18-40)	25 (15-37)	22 (13-33)	19 (11-29)	16 (9.5-26)	14 (8.1-22)
5	45 (33-54)	39 (29-49)	35 (26-44)	31 (22-39)	27 (19-35)	23 (17-31)	20 (15-27)
6	59	53	48	42	37	32	28

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

Age = 65 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	7.6	6.7	6.1	5.2	4.5	3.9	3.3
1	12 (8.7-16)	10 (7.4-13)	9.3 (6.6-12)	8.0 (5.6-10)	6.8 (4.8-8.9)	5.9 (4.1-7.6)	5.0 (3.5-6.6)
2	18 (12-25)	15 (9.7-23)	14 (8.3-21)	12 (7.0-19)	10 (6.0-16)	8.8 (5.1-14)	7.6 (4.3-12)
3	26 (18-36)	23 (14-33)	20 (12-32)	17 (10-28)	15 (8.5-24)	13 (7.2-21)	11 (6.1-19)
4	36 (26-48)	32 (23-44)	29 (19-42)	25 (16-37)	22 (14-32)	19 (12-28)	16 (9.7-25)
5	48 (37-57)	44 (34-53)	40 (31-49)	35 (26-44)	30 (23-38)	26 (19-34)	23 (17-30)
6	60	56	52	46	41	36	31

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	10	8.6	7.6	6.5	5.5	4.6	3.9
1	15 (11-19)	13 (9.7-16)	11 (8.4-14)	9.6 (7.0-12)	8.1 (5.9-10)	6.8 (4.9-8.8)	5.8 (4.2-7.5)
2	23 (15-32)	20 (13-27)	17 (11-23)	14 (9.1-20)	12 (7.6-17)	10 (6.3-14)	8.4 (5.3-12)
3	33 (22-44)	28 (20-39)	24 (16-35)	21 (13-30)	17 (11-25)	15 (9.3-22)	12 (7.7-18)
4	44 (32-55)	40 (29-52)	35 (25-47)	30 (21-41)	25 (17-35)	21 (14-30)	18 (12-26)
5	55 (49-64)	52 (46-61)	47 (40-57)	41 (34-50)	35 (29-44)	30 (24-38)	25 (20-32)
6	65	64	61	54	47	41	35

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

Age = 75 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	13	11	9.7	8.1	6.7	5.6	4.7
1	21 (15-31)	18 (13-25)	15 (11-19)	12 (8.9-16)	10 (7.3-13)	8.4 (6.0-10)	6.9 (5.0-8.5)
2	31 (20-45)	27 (17-39)	23 (14-32)	19 (12-27)	15 (9.7-22)	13 (7.9-18)	10 (6.5-15)
3	43 (27-59)	39 (25-54)	33 (22-46)	28 (18-39)	23 (15-33)	19 (12-28)	16 (9.7-23)
4	55 (39-68)	52 (36-64)	47 (32-60)	40 (26-53)	34 (22-46)	28 (18-39)	23 (15-33)
5	66 (53-73)	64 (50-72)	60 (47-69)	53 (41-63)	47 (35-56)	40 (29-49)	34 (24-42)
6	75	73	72	66	60	53	46

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	15	13	12	9.9	8.1	6.7	5.5
1	23 (16-35)	20 (15-30)	18 (13-25)	15 (11-20)	12 (8.7-17)	9.9 (7.0-13)	8.1 (5.7-11)
2	33 (22-48)	30 (20-43)	27 (18-37)	22 (14-31)	18 (12-25)	15 (9.4-21)	12 (7.6-17)
3	44 (30-59)	41 (27-55)	37 (25-50)	31 (20-43)	26 (17-36)	22 (13-30)	18 (11-25)
4	55 (40-67)	53 (37-64)	49 (35-61)	43 (30-54)	36 (25-48)	31 (20-41)	25 (16-34)
5	66 (52-73)	64 (50-71)	61 (47-69)	55 (41-64)	48 (35-57)	41 (29-50)	35 (24-43)
6	73	73	71	66	60	53	46

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

Age = 85 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	16	14	13	11	8.8	7.2	5.9
1	24 (17-37)	22 (16-32)	20 (14-28)	16 (11-23)	13 (9.3-18)	11 (7.5-15)	8.7 (6.1-12)
2	34 (23-50)	31 (21-45)	28 (19-40)	24 (15-33)	19 (12-28)	16 (10-22)	13 (8.1-18)
3	46 (31-60)	43 (28-57)	39 (26-53)	33 (21-45)	28 (17-39)	23 (14-33)	19 (11-27)
4	56 (41-68)	54 (39-66)	51 (37-62)	44 (31-56)	38 (26-49)	32 (21-42)	27 (17-36)
5	65 (53-72)	64 (51-72)	62 (49-70)	56 (42-65)	50 (36-59)	43 (30-52)	37 (25-45)
6	71	72	72	67	61	55	48

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	13	12	11	8.6	6.9	5.6	4.6
1	21 (15-32)	18 (13-28)	16 (11-23)	13 (9.2-19)	11 (7.4-15)	8.5 (5.9-12)	6.9 (4.8-9.6)
2	30 (20-45)	27 (18-40)	24 (16-35)	20 (13-28)	16 (10-23)	13 (8.0-19)	10 (6.4-15)
3	41 (28-56)	38 (25-52)	34 (22-47)	28 (18-40)	23 (14-33)	19 (11-28)	15 (9.1-23)
4	52 (37-64)	50 (34-61)	46 (32-57)	39 (26-51)	33 (22-44)	27 (18-37)	23 (14-31)
5	61 (49-67)	60 (47-68)	58 (44-66)	51 (37-60)	45 (31-53)	38 (26-47)	32 (21-40)
6	65	68	68	63	56	50	43