

**Sweden - 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 Sweden. 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/m<sup>2</sup>.

**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	25	16	11	8.1	6.3	5.1	4.3	3.9	3.7	3.5	3.4	
1	37 (32-45)	24 (22-30)	17 (14-21)	12 (9.7-15)	9.5 (7.0-12)	7.7 (5.4-9.9)	6.5 (4.4-8.7)	5.9 (3.9-8.0)	5.6 (3.6-7.7)	5.3 (3.4-7.4)	5.1 (3.3-7.1)	
2	51 (41-66)	35 (29-47)	25 (19-34)	18 (13-25)	14 (9.0-21)	11 (6.8-18)	9.6 (5.4-16)	8.7 (4.7-15)	8.2 (4.3-14)	7.8 (4.1-13)	7.5 (3.9-13)	
3	66 (52-81)	49 (37-61)	35 (26-47)	26 (17-39)	20 (12-32)	16 (8.9-28)	14 (7.0-25)	12 (6.1-23)	12 (5.6-22)	11 (5.2-21)	11 (5.0-20)	
4	81 (66-90)	64 (47-74)	48 (34-58)	36 (25-47)	28 (19-40)	23 (15-35)	19 (12-31)	18 (9.9-28)	17 (9.0-27)	16 (8.5-26)	15 (8.0-25)	
5	91 (85-95)	78 (68-84)	62 (52-67)	48 (39-56)	38 (30-47)	32 (25-40)	27 (21-36)	24 (18-33)	23 (16-31)	22 (15-30)	21 (15-29)	
6	96	89	76	62	51	42	36	33	31	29	28	

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

**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	18	13	9.7	7.6	6.2	5.2	4.8	4.4	4.2	4.0
1	38 (35-45)	27 (24-32)	19 (16-23)	14 (12-17)	11 (8.5-14)	9.2 (6.6-12)	7.7 (5.3-10)	7.1 (4.8-9.6)	6.6 (4.4-9.1)	6.2 (4.1-8.6)	5.9 (3.8-8.2)
2	52 (44-65)	38 (31-49)	28 (22-37)	21 (15-29)	16 (11-24)	13 (8.2-21)	11 (6.5-18)	10 (5.7-17)	9.6 (5.2-16)	9.0 (4.8-15)	8.6 (4.5-14)
3	67 (55-79)	51 (41-63)	39 (29-52)	30 (20-43)	23 (14-37)	19 (11-32)	16 (8.5-28)	15 (7.4-26)	14 (6.7-25)	13 (6.2-24)	12 (5.8-23)
4	81 (67-89)	66 (51-74)	52 (38-62)	40 (29-53)	32 (23-45)	27 (18-39)	22 (14-35)	20 (12-32)	19 (11-31)	18 (10-29)	17 (9.3-28)
5	90 (85-94)	79 (71-84)	65 (57-71)	53 (44-61)	43 (36-52)	36 (29-45)	30 (24-40)	28 (21-37)	26 (19-35)	25 (17-34)	23 (16-32)
6	95	89	79	66	56	47	40	37	35	33	31

**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	31	22	16	12	9.7	7.8	6.7	6.1	5.6	5.2	4.9
1	43 (40-48)	32 (29-36)	24 (20-27)	18 (14-21)	14 (11-18)	12 (8.4-15)	9.9 (6.9-13)	8.9 (6.1-12)	8.2 (5.5-11)	7.6 (5.1-11)	7.1 (4.7-10)
2	57 (50-69)	44 (37-54)	33 (26-42)	26 (19-34)	20 (14-29)	17 (10-25)	14 (8.5-22)	13 (7.4-20)	12 (6.6-19)	11 (6.0-18)	10 (5.5-17)
3	71 (61-80)	57 (47-69)	45 (34-59)	35 (25-50)	28 (18-43)	23 (14-37)	20 (11-33)	18 (9.5-31)	17 (8.5-29)	16 (7.7-28)	15 (7.1-26)
4	83 (73-89)	71 (58-79)	58 (45-69)	47 (35-60)	38 (28-52)	32 (22-46)	27 (18-41)	25 (15-38)	23 (14-36)	21 (12-34)	20 (11-32)
5	91 (88-93)	83 (77-86)	71 (64-77)	60 (52-68)	50 (43-59)	42 (35-52)	36 (29-47)	33 (26-44)	31 (23-41)	29 (21-39)	27 (19-37)
6	95	91	83	73	62	54	47	43	40	38	36

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

**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	35	26	19	15	12	9.3	8.1	7.3	6.6	6.0	5.5
1	47 (44-52)	36 (32-40)	27 (23-30)	21 (17-25)	17 (13-21)	14 (10-17)	12 (8.4-16)	11 (7.3-14)	9.6 (6.5-13)	8.8 (5.9-12)	8.1 (5.4-11)
2	61 (54-70)	48 (41-57)	37 (30-46)	29 (22-39)	24 (16-33)	19 (12-28)	17 (10-25)	15 (8.9-23)	14 (7.8-22)	13 (7.0-20)	12 (6.3-19)
3	74 (65-82)	61 (52-73)	49 (39-63)	40 (29-55)	32 (21-48)	26 (16-41)	23 (13-38)	21 (11-35)	19 (10-33)	17 (9.0-30)	16 (8.1-28)
4	84 (76-88)	74 (63-81)	62 (51-73)	52 (41-65)	43 (33-57)	35 (26-50)	31 (21-46)	28 (18-43)	26 (16-40)	24 (14-37)	22 (13-35)
5	91 (89-93)	84 (80-88)	75 (69-80)	64 (58-72)	54 (48-64)	46 (40-56)	41 (34-52)	37 (29-48)	34 (26-45)	32 (23-42)	29 (21-40)
6	94	91	84	76	67	58	52	48	44	41	39

**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	41	31	23	18	14	11	9.8	8.6	7.6	6.8	6.2
1	55 (51-62)	43 (38-49)	33 (28-38)	25 (21-29)	20 (16-23)	16 (12-18)	14 (10-16)	12 (8.8-14)	10 (7.6-12)	9.3 (6.7-11)	8.4 (6.0-10)
2	69 (62-79)	57 (48-67)	45 (37-55)	35 (27-44)	27 (20-35)	22 (16-29)	19 (13-24)	16 (11-21)	14 (9.2-19)	13 (8.1-17)	11 (7.1-16)
3	81 (73-88)	71 (60-81)	59 (46-71)	47 (35-60)	37 (26-50)	30 (20-42)	25 (17-37)	22 (14-32)	19 (12-29)	17 (10-26)	15 (9.2-24)
4	89 (84-92)	82 (74-87)	72 (62-80)	60 (49-70)	49 (39-60)	40 (31-51)	34 (26-45)	29 (22-40)	25 (19-36)	23 (16-32)	20 (14-29)
5	92 (90-93)	89 (86-91)	83 (78-87)	74 (67-79)	62 (55-69)	52 (46-60)	44 (39-53)	38 (33-47)	33 (29-42)	29 (25-38)	26 (22-34)
6	93	92	89	84	75	65	57	49	43	38	34

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

**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	45	35	27	21	16	13	11	9.8	8.5	7.5	6.6
1	61 (54-80)	50 (43-69)	39 (33-56)	31 (25-43)	24 (19-33)	19 (15-25)	16 (12-20)	13 (10-16)	12 (8.6-13)	10 (7.4-12)	8.7 (6.5-10)
2	75 (65-87)	65 (53-82)	54 (42-72)	43 (32-61)	34 (24-48)	27 (19-39)	22 (16-31)	19 (13-25)	16 (11-20)	13 (9.1-18)	12 (7.8-16)
3	84 (75-91)	77 (64-87)	68 (52-82)	58 (41-73)	47 (31-61)	38 (25-51)	31 (20-43)	26 (17-35)	21 (14-29)	18 (12-25)	15 (10-21)
4	89 (83-92)	86 (75-90)	80 (65-87)	72 (53-81)	61 (43-72)	52 (35-62)	43 (29-52)	35 (24-44)	29 (21-37)	24 (18-31)	20 (15-27)
5	91 (88-92)	90 (84-92)	87 (78-90)	83 (69-87)	75 (58-80)	66 (50-72)	57 (42-63)	47 (36-53)	39 (31-45)	33 (27-38)	27 (24-33)
6	91	91	91	89	85	79	71	61	52	43	36

**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	47	38	30	24	19	16	14	12	10	8.8	7.7
1	60 (53-77)	51 (43-69)	42 (34-58)	34 (27-47)	27 (21-38)	23 (18-31)	19 (14-25)	16 (12-20)	14 (10-16)	12 (8.7-13)	10 (7.4-12)
2	72 (62-84)	64 (53-79)	55 (43-71)	46 (34-62)	38 (27-52)	31 (22-44)	26 (18-37)	22 (15-30)	19 (13-25)	16 (11-21)	13 (9.1-17)
3	80 (71-87)	74 (62-84)	67 (53-79)	58 (43-72)	50 (35-63)	42 (29-54)	36 (24-47)	30 (20-40)	25 (16-33)	21 (14-28)	18 (12-24)
4	85 (78-89)	82 (71-87)	77 (63-84)	70 (53-79)	62 (45-72)	55 (38-64)	47 (32-56)	40 (27-49)	33 (23-42)	28 (20-36)	24 (17-30)
5	88 (83-90)	86 (78-89)	83 (73-87)	79 (65-84)	73 (58-79)	67 (51-73)	59 (44-66)	51 (38-58)	44 (33-50)	37 (29-43)	31 (25-37)
6	88	88	87	85	82	77	71	64	56	48	41

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

**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	43	36	29	23	20	17	14	12	11	9.1	7.9
1	55 (46-71)	47 (39-63)	39 (31-54)	32 (25-45)	27 (21-38)	23 (18-31)	20 (15-26)	17 (12-21)	14 (11-18)	12 (8.9-15)	10 (7.6-12)
2	66 (55-78)	59 (47-73)	51 (39-66)	43 (32-58)	37 (27-51)	32 (22-44)	27 (19-37)	23 (16-31)	19 (13-26)	16 (11-22)	14 (9.4-18)
3	74 (64-83)	69 (57-79)	62 (48-74)	55 (40-67)	48 (34-61)	42 (29-53)	36 (24-47)	31 (20-40)	26 (17-35)	22 (14-30)	19 (12-25)
4	80 (72-86)	77 (65-83)	72 (58-80)	66 (50-75)	60 (43-69)	53 (38-63)	47 (32-56)	40 (28-49)	35 (24-43)	29 (21-37)	25 (18-32)
5	84 (77-86)	82 (73-85)	79 (67-83)	75 (60-80)	70 (55-76)	64 (49-71)	58 (43-65)	52 (38-59)	45 (33-52)	39 (29-45)	33 (25-39)
6	84	85	84	81	78	74	69	63	56	50	43

**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	31	25	20	17	14	12	10	8.6	7.4	6.2	5.3
1	41 (33-56)	34 (27-48)	28 (22-40)	23 (18-34)	20 (15-28)	17 (13-24)	14 (11-20)	12 (8.9-16)	10 (7.5-14)	8.6 (6.3-11)	7.3 (5.3-9.2)
2	52 (40-66)	45 (34-59)	38 (28-52)	32 (23-45)	28 (19-39)	24 (16-34)	20 (14-29)	17 (11-24)	14 (9.6-20)	12 (8.0-17)	10 (6.7-14)
3	62 (49-73)	56 (42-68)	49 (35-62)	43 (29-55)	37 (25-49)	32 (21-43)	28 (18-37)	24 (15-32)	20 (13-27)	17 (11-23)	14 (8.9-19)
4	71 (58-78)	66 (51-75)	60 (44-70)	54 (38-64)	48 (33-58)	43 (28-52)	37 (24-46)	32 (21-40)	27 (18-34)	23 (15-30)	20 (13-25)
5	77 (66-81)	74 (61-79)	70 (54-75)	65 (48-71)	60 (43-66)	54 (38-61)	48 (33-55)	43 (29-49)	37 (25-43)	32 (21-37)	27 (18-32)
6	80	79	77	74	70	65	60	54	48	42	36