

Sweden - The probabilities of a hip fracture in men

The following tables give the 10-year probability (%) of a hip 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/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	26	15	7.9	4.2	2.2	1.2	0.6	0.3	0.2	0.1	0.1
1	38 (27-47)	22 (15-29)	13 (8.3-16)	6.8 (4.4-8.8)	3.6 (2.3-4.7)	1.9 (1.2-2.5)	1.0 (0.6-1.3)	0.5 (0.3-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)
2	53 (36-69)	33 (21-46)	19 (12-28)	11 (6.3-16)	5.7 (3.3-8.6)	3.0 (1.7-4.6)	1.6 (0.9-2.4)	0.8 (0.5-1.3)	0.4 (0.3-0.7)	0.2 (0.1-0.4)	0.1 (0.1-0.2)
3	68 (50-85)	47 (30-65)	29 (17-43)	16 (9.4-26)	8.9 (5.0-14)	4.8 (2.7-7.8)	2.5 (1.4-4.2)	1.3 (0.7-2.2)	0.7 (0.4-1.2)	0.4 (0.2-0.6)	0.2 (0.1-0.3)
4	82 (68-92)	62 (46-79)	41 (28-57)	24 (16-36)	14 (8.5-21)	7.4 (4.5-12)	3.9 (2.4-6.3)	2.1 (1.3-3.3)	1.1 (0.7-1.8)	0.6 (0.4-1.0)	0.3 (0.2-0.5)
5	91 (86-95)	77 (67-87)	55 (45-69)	35 (27-47)	20 (15-28)	11 (8.3-16)	6.1 (4.4-8.8)	3.2 (2.3-4.7)	1.7 (1.2-2.5)	0.9 (0.7-1.4)	0.5 (0.4-0.7)
6	95	88	71	49	30	17	9.2	4.9	2.7	1.4	0.8

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men 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	26	15	8.5	4.7	2.6	1.4	0.8	0.4	0.2	0.1	0.1
1	37 (27-44)	23 (16-27)	13 (8.9-16)	7.3 (4.9-9.0)	4.1 (2.7-5.0)	2.2 (1.5-2.8)	1.2 (0.8-1.5)	0.7 (0.4-0.8)	0.4 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.1)
2	51 (36-64)	33 (22-44)	20 (12-27)	11 (6.9-16)	6.3 (3.8-9.1)	3.5 (2.1-5.1)	1.9 (1.1-2.8)	1.0 (0.6-1.5)	0.6 (0.4-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
3	65 (49-79)	45 (31-61)	29 (18-41)	17 (10-26)	9.7 (5.8-15)	5.4 (3.2-8.4)	3.0 (1.7-4.7)	1.6 (1.0-2.6)	0.9 (0.5-1.5)	0.5 (0.3-0.8)	0.3 (0.2-0.5)
4	78 (67-88)	59 (46-75)	40 (29-55)	25 (17-36)	15 (9.7-22)	8.2 (5.4-13)	4.6 (3.0-7.1)	2.5 (1.6-3.9)	1.4 (0.9-2.2)	0.8 (0.5-1.2)	0.4 (0.3-0.7)
5	87 (83-92)	73 (66-84)	54 (46-67)	35 (29-47)	21 (17-29)	12 (9.7-17)	6.9 (5.4-9.9)	3.8 (3.0-5.5)	2.2 (1.7-3.1)	1.2 (0.9-1.8)	0.7 (0.5-1.0)
6	92	85	68	48	31	18	10	5.8	3.3	1.9	1.1

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	25	15	9.2	5.4	3.2	1.8	1.1	0.6	0.4	0.2	0.1
1	35 (26-40)	22 (16-26)	14 (9.6-16)	8.2 (5.7-9.6)	4.9 (3.3-5.7)	2.8 (1.9-3.3)	1.6 (1.1-1.9)	1.0 (0.6-1.1)	0.6 (0.4-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.2)
2	48 (34-59)	32 (22-41)	20 (13-27)	12 (8.0-17)	7.4 (4.7-10)	4.3 (2.7-6.0)	2.5 (1.6-3.5)	1.5 (0.9-2.0)	0.9 (0.6-1.2)	0.5 (0.3-0.7)	0.3 (0.2-0.4)
3	61 (47-73)	44 (31-57)	29 (20-40)	18 (12-26)	11 (7.1-16)	6.6 (4.1-9.7)	3.9 (2.4-5.8)	2.3 (1.4-3.4)	1.4 (0.8-2.0)	0.8 (0.5-1.2)	0.5 (0.3-0.7)
4	73 (63-83)	57 (46-70)	40 (30-53)	26 (19-36)	16 (12-23)	9.8 (6.9-14)	5.8 (4.0-8.7)	3.4 (2.4-5.1)	2.1 (1.4-3.1)	1.2 (0.9-1.9)	0.7 (0.5-1.1)
5	82 (79-88)	69 (64-79)	53 (47-64)	36 (31-47)	23 (20-31)	14 (12-20)	8.6 (7.2-12)	5.1 (4.2-7.2)	3.1 (2.6-4.4)	1.9 (1.5-2.7)	1.1 (0.9-1.6)
6	88	80	66	48	33	21	13	7.6	4.6	2.8	1.7

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men 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	23	15	9.4	5.9	3.7	2.3	1.4	0.9	0.5	0.3	0.2
1	32 (24-36)	21 (15-24)	14 (9.8-16)	8.7 (6.2-10)	5.5 (3.8-6.4)	3.4 (2.4-4.0)	2.1 (1.5-2.5)	1.3 (0.9-1.5)	0.8 (0.6-1.0)	0.5 (0.4-0.6)	0.3 (0.2-0.4)
2	42 (32-51)	30 (21-37)	20 (14-25)	13 (8.6-16)	8.1 (5.4-11)	5.1 (3.4-6.6)	3.1 (2.1-4.1)	2.0 (1.3-2.6)	1.3 (0.8-1.6)	0.8 (0.5-1.0)	0.5 (0.3-0.7)
3	54 (43-64)	40 (30-50)	28 (20-36)	18 (13-25)	12 (8.1-16)	7.5 (5.1-10)	4.7 (3.1-6.6)	2.9 (2.0-4.2)	1.9 (1.2-2.7)	1.2 (0.8-1.7)	0.8 (0.5-1.1)
4	65 (58-74)	51 (43-62)	37 (30-48)	26 (20-34)	17 (13-23)	11 (8.2-15)	6.9 (5.1-9.8)	4.3 (3.2-6.3)	2.8 (2.1-4.0)	1.8 (1.3-2.6)	1.1 (0.8-1.7)
5	75 (72-81)	63 (59-72)	48 (44-59)	35 (31-44)	24 (21-31)	16 (13-21)	10 (8.4-14)	6.4 (5.3-8.8)	4.1 (3.4-5.7)	2.6 (2.2-3.7)	1.7 (1.4-2.3)
6	81	73	60	46	32	22	14	9.2	6.0	3.8	2.5

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	23	16	11	7.3	4.8	3.2	2.1	1.4	0.9	0.6	0.4
1	34 (31-42)	25 (22-31)	17 (15-22)	12 (10-15)	7.8 (6.8-10)	5.2 (4.5-6.7)	3.4 (3.0-4.4)	2.3 (2.0-3.0)	1.5 (1.3-2.0)	1.0 (0.9-1.3)	0.7 (0.6-0.9)
2	47 (41-55)	36 (31-44)	26 (22-33)	18 (15-24)	12 (10-16)	8.4 (6.8-11)	5.6 (4.5-7.5)	3.7 (3.0-5.1)	2.5 (2.0-3.4)	1.7 (1.4-2.3)	1.2 (0.9-1.6)
3	60 (53-66)	48 (41-56)	37 (31-44)	27 (22-33)	19 (15-24)	13 (10-17)	8.9 (6.8-11)	6.1 (4.6-7.7)	4.1 (3.1-5.3)	2.8 (2.1-3.6)	1.9 (1.4-2.5)
4	70 (63-75)	61 (53-67)	50 (42-56)	39 (31-44)	29 (22-33)	20 (15-24)	14 (10-17)	9.7 (7.1-12)	6.7 (4.9-8.0)	4.6 (3.3-5.5)	3.1 (2.3-3.8)
5	77 (72-80)	71 (64-74)	62 (54-65)	51 (43-54)	40 (33-43)	30 (24-33)	21 (17-24)	15 (12-17)	11 (8.1-12)	7.3 (5.6-8.3)	5.0 (3.8-5.7)
6	82	78	71	63	53	42	31	23	16	11	8.0

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men 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	23	17	12	8.7	6.1	4.3	3.0	2.1	1.5	1.1	0.8
1	36 (31-60)	28 (23-51)	21 (17-41)	16 (12-31)	11 (8.6-23)	8.2 (6.0-17)	5.8 (4.2-12)	4.2 (3.0-8.9)	3.0 (2.2-6.5)	2.1 (1.5-4.6)	1.5 (1.1-3.3)
2	50 (39-70)	42 (31-62)	33 (23-53)	26 (17-43)	19 (12-34)	14 (8.5-26)	10 (6.0-19)	7.5 (4.3-14)	5.5 (3.1-10)	4.0 (2.2-7.7)	2.8 (1.6-5.5)
3	63 (48-76)	55 (39-70)	47 (31-63)	38 (23-54)	30 (17-45)	23 (12-35)	17 (8.8-27)	13 (6.4-21)	9.5 (4.6-15)	7.0 (3.3-11)	5.1 (2.4-8.3)
4	73 (58-81)	67 (49-76)	60 (41-71)	52 (32-63)	43 (24-54)	35 (18-45)	27 (13-35)	21 (9.5-28)	16 (7.0-21)	12 (5.0-16)	8.6 (3.6-12)
5	80 (67-84)	76 (59-81)	71 (51-76)	64 (42-71)	57 (34-63)	48 (26-54)	39 (20-44)	32 (15-36)	25 (11-28)	19 (8.0-22)	14 (5.9-17)
6	84	82	79	75	69	62	53	45	36	29	22

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	20	15	12	8.8	6.5	4.8	3.6	2.7	2.1	1.6	1.2
1	31 (25-53)	25 (19-46)	20 (15-38)	15 (11-31)	12 (8.5-24)	8.9 (6.3-19)	6.7 (4.7-14)	5.1 (3.6-11)	3.9 (2.7-8.6)	3.0 (2.0-6.6)	2.3 (1.5-5.0)
2	43 (31-63)	36 (25-57)	30 (20-49)	24 (15-41)	19 (12-33)	15 (8.8-27)	12 (6.6-21)	9.0 (5.0-17)	6.9 (3.8-13)	5.3 (2.9-10)	4.1 (2.2-7.9)
3	55 (39-71)	49 (32-65)	42 (26-58)	35 (21-51)	29 (16-44)	23 (12-36)	18 (9.2-29)	15 (7.1-24)	12 (5.5-19)	9.0 (4.2-15)	6.9 (3.2-12)
4	66 (48-76)	60 (41-71)	54 (34-66)	47 (28-60)	41 (22-52)	34 (17-45)	28 (14-38)	23 (11-31)	18 (8.2-25)	14 (6.3-20)	11 (4.8-16)
5	74 (58-79)	70 (51-76)	65 (44-71)	59 (37-66)	53 (30-59)	46 (24-52)	39 (19-45)	33 (15-38)	27 (12-32)	22 (9.5-26)	18 (7.3-21)
6	80	78	74	70	64	58	51	45	38	32	26

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men 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	15	12	9.3	7.3	5.7	4.4	3.5	2.8	2.2	1.8	1.4
1	24 (19-44)	20 (15-38)	16 (12-32)	13 (9.5-26)	10 (7.4-22)	8.1 (5.8-17)	6.5 (4.6-14)	5.2 (3.7-11)	4.2 (2.9-9.2)	3.4 (2.3-7.4)	2.7 (1.8-5.9)
2	35 (24-55)	30 (19-48)	25 (16-42)	21 (13-36)	17 (10-30)	14 (7.9-25)	11 (6.3-20)	9.0 (5.1-17)	7.3 (4.1-14)	5.9 (3.3-11)	4.8 (2.6-9.1)
3	47 (31-63)	41 (26-57)	36 (21-52)	31 (17-45)	26 (14-39)	21 (11-33)	18 (8.8-28)	15 (7.1-24)	12 (5.7-20)	9.9 (4.6-16)	8.0 (3.7-13)
4	58 (39-69)	53 (34-65)	48 (28-60)	42 (24-54)	37 (19-48)	31 (16-42)	26 (13-36)	22 (10-31)	19 (8.5-26)	16 (6.9-22)	13 (5.5-18)
5	68 (49-73)	64 (43-70)	59 (38-65)	54 (32-60)	48 (27-55)	43 (22-49)	37 (18-43)	32 (15-37)	28 (12-32)	24 (10-28)	20 (8.3-23)
6	74	72	69	65	60	55	49	44	39	34	29

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	8.5	6.9	5.7	4.6	3.8	3.1	2.5	2.1	1.8	1.5	1.2
1	15 (11-29)	12 (9.0-25)	10 (7.4-21)	8.4 (6.0-18)	6.9 (4.9-15)	5.7 (4.0-12)	4.8 (3.3-10)	4.0 (2.8-8.8)	3.3 (2.3-7.4)	2.8 (1.9-6.2)	2.3 (1.6-5.2)
2	23 (14-39)	20 (12-34)	17 (9.9-30)	14 (8.1-25)	12 (6.7-21)	9.7 (5.5-18)	8.2 (4.6-15)	7.0 (3.9-13)	5.9 (3.2-11)	4.9 (2.7-9.4)	4.2 (2.3-7.9)
3	34 (19-49)	29 (16-44)	25 (14-39)	22 (11-34)	19 (9.3-29)	16 (7.6-25)	13 (6.4-22)	11 (5.4-19)	9.8 (4.5-16)	8.3 (3.8-14)	7.0 (3.2-12)
4	45 (26-57)	41 (22-52)	36 (19-47)	32 (16-42)	28 (13-37)	24 (11-32)	21 (9.4-28)	18 (8.0-25)	15 (6.8-22)	13 (5.7-19)	11 (4.8-16)
5	56 (35-63)	52 (31-59)	48 (26-54)	43 (23-49)	39 (19-44)	34 (16-39)	30 (14-35)	27 (12-31)	23 (10-27)	20 (8.5-24)	17 (7.2-21)
6	66	63	59	55	51	46	41	37	33	29	26