Sweden - The probabilities of a hip fracture in women

The following tables give the 10-year probability (%) of a hip 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/m²)						
	15	20	25	30	35	40	45
0	1.2	0.7	0.4	0.3	0.2	0.2	0.1
1	2.5 (1.6-4.8)	1.3 (0.9-2.6)	0.7 (0.5-1.4)	0.6 (0.4-1.1)	0.4 (0.3-0.8)	0.3 (0.2-0.7)	0.3 (0.2-0.5)
2	4.8 (2.4-10)	2.6 (1.3-5.5)	1.4 (0.7-3.0)	1.1 (0.5-2.3)	0.9 (0.4-1.8)	0.7 (0.3-1.4)	0.5 (0.3-1.1)
3	8.9 (3.7-17)	4.9 (2.0-9.6)	2.7 (1.1-5.3)	2.1 (0.8-4.1)	1.6 (0.6-3.2)	1.3 (0.5-2.5)	1.0 (0.4-1.9)
4	16 (6.4-25)	8.9 (3.5-14)	4.9 (1.9-7.9)	3.8 (1.5-6.2)	3.0 (1.1-4.9)	2.3 (0.9-3.8)	1.8 (0.7-3.0)
5	27 (13-35)	16 (7.4-21)	8.7 (4.0-12)	6.9 (3.1-9.2)	5.4 (2.5-7.2)	4.2 (1.9-5.7)	3.3 (1.5-4.4)
6	43	26	15	12	9.4	7.4	5.8

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

Age = 55 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	2.1	1.1	0.6	0.5	0.4	0.3	0.2
1	4.1 (2.8-7.0)	2.2 (1.5-3.8)	1.2 (0.8-2.1)	0.9 (0.6-1.6)	0.7 (0.5-1.3)	0.6 (0.4-1.0)	0.4 (0.3-0.8)
2	7.5 (4.1-14)	4.1 (2.3-8.1)	2.2 (1.2-4.4)	1.8 (0.9-3.5)	1.4 (0.7-2.7)	1.1 (0.6-2.1)	0.8 (0.4-1.6)
3	13 (6.2-24)	7.5 (3.4-14)	4.1 (1.9-7.7)	3.2 (1.4-6.0)	2.5 (1.1-4.7)	2.0 (0.9-3.7)	1.5 (0.7-2.9)
4	23 (11-34)	13 (6.0-20)	7.4 (3.3-12)	5.8 (2.5-9.1)	4.5 (2.0-7.1)	3.5 (1.5-5.6)	2.7 (1.2-4.4)
5	37 (22-46)	22 (12-29)	13 (6.9-17)	10 (5.4-13)	7.9 (4.2-11)	6.2 (3.3-8.3)	4.9 (2.6-6.5)
6	56	36	22	17	14	11	8.4

Age = 60 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	3.9	2.2	1.2	0.9	0.7	0.6	0.4
1	7.2 (5.1-11)	4.0 (2.8-6.2)	2.2 (1.5-3.4)	1.7 (1.2-2.6)	1.3 (0.9-2.0)	1.0 (0.7-1.6)	0.8 (0.6-1.2)
2	13 (7.6-22)	7.1 (4.2-13)	3.9 (2.3-7.1)	3.1 (1.8-5.5)	2.4 (1.4-4.3)	1.9 (1.1-3.4)	1.4 (0.8-2.6)
3	21 (11-35)	12 (6.4-21)	6.9 (3.5-12)	5.4 (2.7-9.6)	4.2 (2.1-7.5)	3.3 (1.6-5.9)	2.6 (1.3-4.6)
4	34 (19-48)	21 (11-31)	12 (6.1-18)	9.5 (4.8-14)	7.4 (3.7-11)	5.8 (2.9-8.9)	4.5 (2.3-7.0)
5	51 (36-61)	33 (22-42)	20 (13-26)	16 (9.9-21)	13 (7.8-16)	10 (6.1-13)	7.8 (4.8-10)
6	71	51	32	26	21	17	13

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

Age = 65 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	6.7	3.8	2.1	1.6	1.3	1.0	0.8
1	12 (8.8-16)	6.6 (4.9-9.1)	3.7 (2.7-5.1)	2.9 (2.1-4.0)	2.2 (1.6-3.1)	1.7 (1.3-2.4)	1.3 (1.0-1.9)
2	19 (13-30)	11 (7.2-18)	6.4 (4.0-11)	5.0 (3.1-8.2)	3.9 (2.4-6.5)	3.0 (1.9-5.0)	2.4 (1.5-3.9)
3	31 (19-46)	19 (11-30)	11 (6.1-18)	8.6 (4.8-14)	6.7 (3.7-11)	5.2 (2.9-8.7)	4.1 (2.2-6.8)
4	46 (30-60)	30 (18-42)	18 (11-26)	14 (8.3-21)	11 (6.5-16)	8.9 (5.1-13)	7.0 (3.9-10)
5	64 (51-72)	45 (34-54)	29 (21-36)	23 (17-29)	19 (13-23)	15 (10-19)	12 (8.1-15)
6	79	63	44	36	30	24	19

Age = 70 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	13	7.5	4.2	3.3	2.5	2.0	1.5
1	22 (18-25)	13 (11-15)	7.7 (6.2-8.8)	6.0 (4.8-6.9)	4.7 (3.7-5.4)	3.6 (2.9-4.2)	2.8 (2.3-3.3)
2	36 (26-45)	23 (16-30)	14 (9.3-18)	11 (7.2-14)	8.4 (5.7-11)	6.6 (4.4-8.7)	5.1 (3.4-6.8)
3	53 (40-66)	37 (26-50)	24 (16-33)	19 (12-27)	15 (9.8-22)	12 (7.7-17)	9.2 (6.0-14)
4	70 (60-80)	55 (45-69)	38 (30-51)	31 (24-42)	25 (19-35)	20 (15-28)	16 (12-23)
5	82 (79-87)	73 (68-80)	57 (52-65)	49 (43-56)	41 (36-48)	33 (29-40)	27 (23-32)
6	88	86	76	68	60	51	43

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

Age = 75 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	21	13	7.8	6.1	4.7	3.7	2.9
1	36 (28-53)	24 (18-38)	15 (11-25)	12 (8.7-20)	9.3 (6.8-16)	7.3 (5.3-12)	5.6 (4.1-9.6)
2	53 (38-71)	40 (26-58)	27 (16-43)	22 (13-35)	17 (10-29)	14 (8.0-23)	11 (6.2-18)
3	69 (54-83)	58 (41-75)	44 (27-62)	36 (22-54)	30 (17-45)	24 (14-37)	19 (11-31)
4	80 (69-88)	75 (59-85)	63 (43-79)	55 (36-72)	47 (29-63)	40 (23-55)	33 (18-46)
5	86 (79-89)	85 (75-89)	80 (64-87)	74 (56-82)	66 (48-76)	59 (40-68)	50 (33-60)
6	89	89	89	86	82	76	69

Age = 80 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	27	19	12	9.3	7.3	5.6	4.4
1	42 (33-60)	31 (24-49)	21 (16-35)	17 (13-29)	13 (10-23)	11 (7.8-18)	8.2 (6.0-14)
2	56 (44-74)	47 (34-66)	35 (24-54)	29 (19-46)	23 (15-38)	19 (12-31)	15 (9.0-25)
3	69 (56-81)	63 (46-77)	52 (34-71)	44 (27-63)	37 (22-55)	31 (17-47)	25 (14-39)
4	78 (66-85)	75 (61-84)	68 (50-80)	61 (42-74)	54 (35-68)	46 (28-60)	39 (23-52)
5	83 (76-86)	83 (73-87)	80 (67-86)	75 (60-82)	69 (52-77)	62 (44-71)	55 (36-64)
6	85	87	87	84	81	76	70

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

Age = 85 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	27	20	14	11	8.3	6.4	4.9
1	41 (32-59)	33 (25-50)	24 (18-39)	19 (14-32)	15 (11-25)	12 (8.5-20)	9.1 (6.6-16)
2	55 (43-72)	47 (35-66)	38 (26-55)	31 (20-47)	25 (16-40)	20 (13-33)	16 (9.8-26)
3	67 (54-79)	62 (46-76)	54 (36-70)	46 (29-63)	39 (24-56)	32 (19-48)	26 (15-40)
4	75 (63-83)	73 (59-82)	68 (51-79)	61 (44-74)	54 (36-67)	47 (30-60)	39 (24-52)
5	79 (73-82)	80 (71-84)	79 (66-84)	74 (59-81)	68 (51-76)	62 (44-71)	54 (36-64)
6	79	83	84	82	79	74	68

Age = 90 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	21	16	11	8.3	6.4	4.9	3.8
1	32 (25-49)	26 (19-41)	19 (14-32)	15 (11-25)	12 (8.4-20)	9.1 (6.5-16)	7.0 (4.9-12)
2	46 (34-63)	39 (27-57)	31 (20-47)	25 (16-39)	20 (12-32)	16 (9.6-26)	12 (7.4-21)
3	58 (44-72)	53 (37-68)	45 (29-62)	38 (23-54)	31 (18-46)	25 (14-39)	20 (11-32)
4	68 (55-77)	65 (49-76)	60 (42-72)	53 (35-66)	45 (28-58)	38 (23-51)	32 (18-43)
5	73 (66-77)	74 (63-79)	72 (57-79)	66 (50-74)	60 (42-69)	53 (35-62)	45 (28-54)
6	71	77	79	76	72	66	59