

**The US (Caucasian) - The probabilities of a hip fracture in women**

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 the US (Caucasian). 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	11	5.6	2.9	1.5	0.8	0.4	0.2	0.1	0.1	0.0	0.0
1	17 (11-21)	8.9 (5.9-12)	4.6 (3.0-6.1)	2.4 (1.6-3.1)	1.2 (0.8-1.6)	0.6 (0.4-0.8)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)	0.0 (0.0-0.1)	0.0 (0.0-0.0)
2	25 (16-36)	14 (8.2-21)	7.4 (4.3-11)	3.8 (2.2-5.8)	2.0 (1.1-3.0)	1.0 (0.6-1.5)	0.5 (0.3-0.8)	0.3 (0.2-0.4)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	0.0 (0.0-0.1)
3	37 (23-54)	21 (12-33)	11 (6.5-18)	6.0 (3.3-9.9)	3.1 (1.7-5.2)	1.6 (0.9-2.7)	0.8 (0.5-1.4)	0.4 (0.2-0.7)	0.2 (0.1-0.4)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
4	51 (36-69)	31 (20-45)	17 (11-27)	9.3 (5.7-15)	4.9 (3.0-7.8)	2.5 (1.5-4.0)	1.3 (0.8-2.1)	0.7 (0.4-1.1)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
5	67 (56-80)	44 (35-57)	26 (20-36)	14 (10-20)	7.5 (5.5-11)	3.9 (2.8-5.7)	2.0 (1.5-2.9)	1.0 (0.8-1.5)	0.6 (0.4-0.8)	0.3 (0.2-0.4)	0.2 (0.1-0.2)
6	82	59	37	21	11	6.0	3.1	1.6	0.9	0.5	0.2

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

**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	11	6.1	3.3	1.8	1.0	0.5	0.3	0.2	0.1	0.1	0.0
1	17 (12-21)	9.6 (6.4-12)	5.3 (3.5-6.5)	2.9 (1.9-3.5)	1.5 (1.0-1.9)	0.8 (0.6-1.0)	0.4 (0.3-0.6)	0.2 (0.2-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.1)	0.0 (0.0-0.1)
2	25 (16-35)	15 (9.0-21)	8.2 (4.9-12)	4.5 (2.7-6.5)	2.4 (1.4-3.5)	1.3 (0.8-1.9)	0.7 (0.4-1.0)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
3	37 (24-52)	22 (13-33)	13 (7.5-19)	6.9 (4.1-11)	3.8 (2.2-6.0)	2.1 (1.2-3.3)	1.1 (0.6-1.8)	0.6 (0.4-1.0)	0.3 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
4	50 (37-67)	32 (22-45)	19 (13-28)	11 (6.9-16)	5.8 (3.8-9.1)	3.2 (2.0-5.0)	1.7 (1.1-2.7)	1.0 (0.6-1.5)	0.5 (0.3-0.8)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
5	65 (57-78)	44 (37-57)	27 (22-37)	16 (13-22)	8.9 (6.9-13)	4.9 (3.8-7.0)	2.6 (2.1-3.8)	1.5 (1.1-2.1)	0.8 (0.6-1.2)	0.5 (0.4-0.7)	0.3 (0.2-0.4)
6	80	59	39	23	13	7.3	4.0	2.2	1.3	0.7	0.4

**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	12	7.0	4.0	2.2	1.3	0.7	0.4	0.2	0.1	0.1	0.0
1	18 (13-21)	11 (7.4-13)	6.1 (4.2-7.3)	3.5 (2.3-4.1)	1.9 (1.3-2.3)	1.1 (0.7-1.3)	0.6 (0.4-0.7)	0.4 (0.2-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.1)	0.1 (0.1-0.1)
2	27 (18-35)	16 (10-22)	9.4 (5.9-13)	5.3 (3.3-7.4)	3.0 (1.9-4.2)	1.7 (1.0-2.4)	1.0 (0.6-1.3)	0.6 (0.3-0.8)	0.3 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
3	38 (26-52)	24 (15-34)	14 (8.8-21)	8.1 (5.0-12)	4.6 (2.8-7.0)	2.6 (1.6-4.0)	1.5 (0.9-2.3)	0.9 (0.5-1.3)	0.5 (0.3-0.8)	0.3 (0.2-0.4)	0.2 (0.1-0.3)
4	51 (40-66)	34 (25-47)	21 (15-30)	12 (8.5-18)	7.0 (4.8-11)	4.0 (2.7-6.0)	2.3 (1.5-3.5)	1.3 (0.9-2.0)	0.8 (0.5-1.2)	0.4 (0.3-0.7)	0.3 (0.2-0.4)
5	65 (59-77)	46 (40-58)	30 (25-39)	18 (15-25)	10 (8.6-15)	6.0 (4.9-8.5)	3.4 (2.8-4.9)	2.0 (1.6-2.9)	1.2 (0.9-1.7)	0.7 (0.5-1.0)	0.4 (0.3-0.6)
6	79	60	41	26	15	8.9	5.1	3.0	1.7	1.0	0.6

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

**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	14	8.2	4.8	2.8	1.6	1.0	0.6	0.3	0.2	0.1	0.1
1	20 (14-24)	12 (8.6-15)	7.3 (5.1-8.7)	4.3 (3.0-5.2)	2.5 (1.7-3.0)	1.5 (1.0-1.8)	0.9 (0.6-1.1)	0.5 (0.4-0.6)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)
2	29 (20-36)	18 (12-23)	11 (7.1-14)	6.5 (4.2-8.5)	3.8 (2.5-5.1)	2.2 (1.4-3.0)	1.3 (0.9-1.8)	0.8 (0.5-1.1)	0.5 (0.3-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.2)
3	40 (28-52)	26 (18-35)	16 (11-23)	9.7 (6.3-14)	5.7 (3.7-8.3)	3.4 (2.2-4.9)	2.0 (1.3-3.0)	1.2 (0.8-1.8)	0.7 (0.5-1.1)	0.4 (0.3-0.7)	0.3 (0.2-0.4)
4	52 (43-66)	36 (28-48)	23 (17-32)	14 (10-20)	8.5 (6.2-12)	5.0 (3.6-7.4)	3.1 (2.2-4.5)	1.9 (1.3-2.8)	1.1 (0.8-1.7)	0.7 (0.5-1.0)	0.4 (0.3-0.6)
5	65 (60-76)	48 (42-60)	32 (27-42)	20 (17-27)	12 (10-17)	7.5 (6.1-10)	4.6 (3.7-6.4)	2.8 (2.2-3.9)	1.7 (1.4-2.4)	1.0 (0.8-1.4)	0.6 (0.5-0.9)
6	78	61	44	29	18	11	6.7	4.1	2.5	1.5	0.9

**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	16	10	6.3	3.9	2.3	1.4	0.9	0.6	0.4	0.2	0.1
1	26 (22-31)	16 (14-20)	10 (8.8-13)	6.4 (5.4-8.1)	3.9 (3.3-5.0)	2.4 (2.0-3.1)	1.5 (1.3-1.9)	1.0 (0.8-1.2)	0.6 (0.5-0.8)	0.4 (0.3-0.5)	0.2 (0.2-0.3)
2	38 (32-48)	26 (21-33)	17 (13-22)	11 (8.2-14)	6.5 (5.0-8.8)	4.1 (3.1-5.5)	2.6 (2.0-3.5)	1.6 (1.2-2.2)	1.0 (0.8-1.4)	0.6 (0.5-0.9)	0.4 (0.3-0.6)
3	54 (44-63)	39 (30-47)	26 (20-33)	17 (12-22)	11 (7.7-14)	6.7 (4.8-9.0)	4.3 (3.0-5.8)	2.7 (1.9-3.7)	1.7 (1.2-2.3)	1.1 (0.8-1.5)	0.7 (0.5-0.9)
4	69 (60-75)	54 (44-61)	39 (30-46)	26 (20-32)	17 (12-21)	11 (7.9-14)	7.0 (5.0-8.8)	4.5 (3.2-5.6)	2.8 (2.0-3.6)	1.8 (1.3-2.3)	1.1 (0.8-1.4)
5	81 (75-83)	70 (62-73)	54 (46-59)	39 (32-43)	26 (21-30)	17 (14-20)	11 (8.9-13)	7.3 (5.7-8.5)	4.7 (3.6-5.4)	3.0 (2.3-3.5)	1.9 (1.5-2.2)
6	88	81	70	54	39	27	18	12	7.6	4.9	3.1

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

**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	19	13	8.4	5.4	3.4	2.3	1.5	1.0	0.6	0.4	0.3
1	33 (26-58)	23 (18-44)	16 (12-31)	10 (7.6-21)	6.8 (4.9-14)	4.5 (3.2-9.5)	3.0 (2.1-6.4)	2.0 (1.4-4.2)	1.3 (0.9-2.8)	0.9 (0.6-1.8)	0.6 (0.4-1.2)
2	50 (35-73)	38 (24-61)	27 (16-47)	19 (11-34)	12 (6.9-24)	8.4 (4.6-16)	5.7 (3.0-11)	3.8 (2.0-7.5)	2.5 (1.3-5.0)	1.6 (0.9-3.3)	1.1 (0.6-2.2)
3	66 (47-82)	54 (34-73)	42 (24-60)	31 (16-47)	21 (10-34)	15 (6.9-25)	10 (4.6-17)	6.8 (3.0-12)	4.6 (2.0-8.0)	3.0 (1.3-5.4)	2.0 (0.9-3.6)
4	78 (61-86)	70 (48-81)	59 (35-72)	46 (24-60)	34 (16-46)	25 (11-35)	17 (7.4-25)	12 (4.9-17)	8.1 (3.3-12)	5.4 (2.2-8.1)	3.6 (1.4-5.4)
5	86 (74-89)	81 (63-86)	74 (50-79)	63 (37-70)	50 (26-57)	38 (18-45)	28 (13-33)	20 (8.6-24)	14 (5.8-17)	9.3 (3.8-11)	6.3 (2.5-7.6)
6	90	88	84	78	67	55	43	32	22	16	11

**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	21	15	10	6.9	4.7	3.3	2.3	1.6	1.1	0.7	0.5
1	35 (27-60)	26 (19-48)	18 (13-36)	13 (9.0-26)	9.0 (6.1-19)	6.3 (4.3-13)	4.4 (3.0-9.5)	3.1 (2.1-6.6)	2.1 (1.4-4.6)	1.5 (1.0-3.2)	1.0 (0.7-2.2)
2	50 (35-73)	40 (26-63)	30 (18-51)	22 (12-40)	16 (8.6-30)	11 (6.0-22)	8.1 (4.2-16)	5.7 (2.9-11)	4.0 (2.0-8.0)	2.8 (1.4-5.6)	1.9 (1.0-3.9)
3	65 (47-80)	55 (36-73)	45 (26-64)	34 (18-52)	26 (13-41)	19 (9.0-31)	14 (6.3-23)	10 (4.4-17)	7.1 (3.0-12)	5.0 (2.1-8.8)	3.5 (1.5-6.2)
4	76 (59-84)	69 (48-80)	60 (37-73)	49 (27-63)	39 (19-53)	30 (14-42)	23 (9.9-33)	17 (7.0-25)	12 (4.9-18)	8.5 (3.4-13)	6.0 (2.4-9.3)
5	83 (70-87)	79 (61-83)	73 (50-78)	64 (39-71)	55 (30-62)	45 (22-53)	35 (16-42)	27 (12-33)	20 (8.3-24)	14 (5.9-18)	10 (4.1-13)
6	87	85	82	77	69	60	50	40	31	23	17

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

**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	19	13	9.7	6.9	5.0	3.7	2.7	1.9	1.4	1.0	0.7
1	31 (24-55)	23 (17-44)	17 (13-35)	13 (8.9-26)	9.5 (6.5-20)	7.0 (4.8-15)	5.2 (3.5-11)	3.8 (2.6-8.2)	2.8 (1.9-6.0)	2.0 (1.3-4.4)	1.5 (1.0-3.2)
2	45 (31-68)	36 (23-59)	28 (17-49)	22 (12-39)	17 (9.1-31)	13 (6.7-24)	9.4 (4.9-18)	6.9 (3.6-14)	5.1 (2.6-10)	3.7 (1.9-7.5)	2.7 (1.4-5.5)
3	60 (42-76)	51 (33-70)	42 (25-61)	34 (18-51)	27 (14-42)	21 (10-33)	16 (7.4-26)	12 (5.4-20)	9.0 (4.0-15)	6.6 (2.9-11)	4.9 (2.1-8.5)
4	72 (54-81)	65 (44-77)	57 (34-70)	48 (26-61)	40 (20-53)	32 (15-44)	25 (11-36)	20 (8.5-28)	15 (6.2-22)	11 (4.6-17)	8.4 (3.3-13)
5	80 (65-84)	76 (56-81)	70 (47-76)	63 (38-69)	55 (30-62)	46 (24-54)	38 (18-45)	30 (14-37)	24 (10-29)	18 (7.7-23)	14 (5.7-17)
6	85	83	80	75	69	62	53	44	36	28	22

**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	13	9.6	7.2	5.4	4.2	3.2	2.5	1.9	1.5	1.1	0.9
1	22 (16-42)	17 (12-34)	13 (9.3-27)	10 (7.1-21)	7.9 (5.5-17)	6.2 (4.2-13)	4.8 (3.3-10)	3.7 (2.5-8.0)	2.8 (1.9-6.2)	2.2 (1.5-4.8)	1.7 (1.1-3.7)
2	34 (22-54)	27 (17-46)	22 (13-38)	17 (9.8-31)	14 (7.7-26)	11 (5.9-21)	8.6 (4.6-16)	6.7 (3.5-13)	5.2 (2.7-10)	4.0 (2.1-7.9)	3.1 (1.6-6.2)
3	47 (30-65)	40 (24-58)	33 (18-50)	27 (14-42)	22 (11-35)	18 (8.9-29)	14 (6.9-24)	11 (5.3-19)	9.0 (4.1-15)	7.0 (3.2-12)	5.4 (2.4-9.2)
4	61 (40-73)	54 (33-67)	47 (26-60)	40 (21-52)	34 (17-45)	28 (13-38)	23 (10-32)	19 (8.0-26)	15 (6.3-21)	12 (4.8-17)	9.2 (3.7-14)
5	72 (52-77)	67 (44-73)	61 (36-67)	54 (30-61)	47 (25-54)	41 (20-48)	34 (16-41)	29 (13-34)	23 (10-28)	19 (7.9-23)	15 (6.1-19)
6	80	77	72	67	62	55	48	41	35	29	23