

**Thailand - 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 Thailand. 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	5.8	3.1	1.6	0.9	0.5	0.2	0.1	0.1	0.0	0.0	
1	17 (11-21)	9.1 (6.1-12)	4.9 (3.3-6.5)	2.6 (1.7-3.5)	1.4 (0.9-1.8)	0.7 (0.5-1.0)	0.4 (0.3-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.1)	0.1 (0.0-0.1)	0.0 (0.0-0.0)	
2	25 (16-35)	14 (8.6-21)	7.7 (4.6-11)	4.1 (2.4-6.2)	2.2 (1.3-3.3)	1.2 (0.7-1.8)	0.6 (0.4-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.1)	0.0 (0.0-0.1)	
3	35 (23-49)	21 (13-31)	12 (6.9-18)	6.4 (3.7-10)	3.4 (2.0-5.4)	1.8 (1.0-2.9)	1.0 (0.5-1.5)	0.5 (0.3-0.8)	0.3 (0.2-0.4)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	
4	48 (34-62)	30 (20-43)	18 (11-26)	9.7 (6.1-15)	5.3 (3.3-8.2)	2.8 (1.7-4.4)	1.5 (0.9-2.3)	0.8 (0.5-1.2)	0.4 (0.3-0.7)	0.2 (0.1-0.4)	0.1 (0.1-0.2)	
5	61 (51-73)	42 (33-53)	25 (19-34)	15 (11-20)	8.0 (5.8-11)	4.3 (3.1-6.2)	2.3 (1.6-3.3)	1.2 (0.9-1.8)	0.6 (0.5-0.9)	0.4 (0.3-0.5)	0.2 (0.1-0.3)	
6	74	55	36	21	12	6.5	3.5	1.8	1.0	0.5	0.3	

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

**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	12	6.6	3.6	2.0	1.1	0.6	0.3	0.2	0.1	0.1	0.0
1	17 (12-21)	10 (6.9-12)	5.6 (3.8-7.1)	3.1 (2.1-3.9)	1.7 (1.2-2.2)	0.9 (0.6-1.2)	0.5 (0.3-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)	0.1 (0.0-0.1)
2	25 (17-34)	15 (9.6-21)	8.6 (5.4-12)	4.8 (3.0-6.9)	2.7 (1.6-3.9)	1.5 (0.9-2.1)	0.8 (0.5-1.2)	0.4 (0.3-0.6)	0.2 (0.2-0.4)	0.1 (0.1-0.2)	0.1 (0.1-0.1)
3	35 (24-47)	22 (14-31)	13 (8.1-19)	7.3 (4.5-11)	4.1 (2.5-6.2)	2.3 (1.4-3.4)	1.2 (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)
4	47 (36-60)	31 (22-42)	19 (13-27)	11 (7.3-16)	6.2 (4.1-9.2)	3.4 (2.3-5.2)	1.9 (1.2-2.9)	1.0 (0.7-1.6)	0.6 (0.4-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
5	59 (51-70)	42 (34-53)	27 (21-35)	16 (12-22)	9.2 (7.1-13)	5.2 (4.0-7.3)	2.9 (2.2-4.1)	1.6 (1.2-2.3)	0.9 (0.7-1.3)	0.5 (0.4-0.7)	0.3 (0.2-0.4)
6	71	54	37	23	13	7.7	4.3	2.4	1.3	0.8	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	11	6.6	3.9	2.3	1.3	0.8	0.5	0.3	0.2	0.1	0.1
1	16 (12-19)	9.8 (6.9-12)	5.9 (4.1-7.0)	3.5 (2.4-4.1)	2.0 (1.4-2.4)	1.2 (0.8-1.4)	0.7 (0.5-0.8)	0.4 (0.3-0.5)	0.2 (0.2-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.1)
2	23 (16-29)	14 (9.7-19)	8.7 (5.8-12)	5.2 (3.4-7.0)	3.1 (2.0-4.2)	1.8 (1.2-2.5)	1.1 (0.7-1.5)	0.6 (0.4-0.9)	0.4 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
3	31 (23-40)	20 (14-27)	13 (8.7-17)	7.7 (5.2-11)	4.6 (3.0-6.4)	2.7 (1.8-3.8)	1.6 (1.0-2.3)	0.9 (0.6-1.3)	0.6 (0.4-0.8)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
4	41 (33-51)	28 (21-37)	18 (13-25)	11 (8.0-16)	6.7 (4.8-9.6)	4.0 (2.8-5.8)	2.4 (1.7-3.4)	1.4 (1.0-2.0)	0.8 (0.6-1.2)	0.5 (0.4-0.8)	0.3 (0.2-0.5)
5	51 (45-60)	37 (32-46)	25 (21-32)	16 (13-21)	9.7 (8.0-13)	5.9 (4.8-8.1)	3.5 (2.8-4.8)	2.1 (1.7-2.9)	1.2 (1.0-1.8)	0.8 (0.6-1.1)	0.5 (0.4-0.6)
6	62	48	34	22	14	8.5	5.1	3.0	1.8	1.1	0.7

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

**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	9.9	6.3	4.0	2.5	1.5	1.0	0.6	0.4	0.2	0.2	0.1
1	14 (10-16)	9.0 (6.6-10)	5.8 (4.2-6.5)	3.6 (2.6-4.1)	2.3 (1.6-2.6)	1.4 (1.0-1.6)	0.9 (0.6-1.0)	0.6 (0.4-0.6)	0.4 (0.3-0.4)	0.2 (0.2-0.3)	0.1 (0.1-0.2)
2	19 (14-24)	13 (9.2-16)	8.3 (5.9-10)	5.3 (3.7-6.7)	3.3 (2.3-4.3)	2.1 (1.4-2.7)	1.3 (0.9-1.7)	0.8 (0.6-1.1)	0.5 (0.4-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.3)
3	26 (20-33)	18 (13-23)	12 (8.6-15)	7.5 (5.5-10)	4.8 (3.5-6.4)	3.0 (2.2-4.1)	1.9 (1.4-2.5)	1.2 (0.9-1.6)	0.8 (0.5-1.0)	0.5 (0.4-0.7)	0.3 (0.2-0.4)
4	34 (28-42)	24 (19-30)	16 (13-21)	11 (8.2-14)	6.8 (5.2-9.2)	4.3 (3.3-5.9)	2.7 (2.1-3.8)	1.7 (1.3-2.4)	1.1 (0.8-1.6)	0.7 (0.5-1.0)	0.5 (0.4-0.7)
5	42 (38-50)	31 (28-38)	22 (19-28)	15 (13-19)	9.6 (8.3-13)	6.2 (5.3-8.3)	3.9 (3.4-5.3)	2.5 (2.1-3.4)	1.6 (1.4-2.2)	1.0 (0.9-1.4)	0.7 (0.6-0.9)
6	51	40	29	20	13	8.6	5.5	3.6	2.3	1.5	1.0

**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	8.6	5.9	3.9	2.6	1.7	1.2	0.8	0.5	0.4	0.2	0.2
1	13 (12-17)	9.1 (8.0-12)	6.2 (5.5-8.1)	4.2 (3.7-5.5)	2.8 (2.5-3.7)	1.8 (1.6-2.5)	1.2 (1.1-1.6)	0.8 (0.7-1.1)	0.6 (0.5-0.8)	0.4 (0.3-0.5)	0.3 (0.2-0.3)
2	19 (16-24)	14 (11-17)	9.5 (7.6-12)	6.5 (5.2-8.4)	4.4 (3.5-5.7)	2.9 (2.3-3.8)	2.0 (1.6-2.6)	1.3 (1.1-1.8)	0.9 (0.7-1.2)	0.6 (0.5-0.8)	0.4 (0.3-0.6)
3	27 (22-33)	20 (16-25)	14 (11-18)	9.9 (7.6-12)	6.8 (5.2-8.6)	4.6 (3.5-5.9)	3.1 (2.4-3.9)	2.1 (1.6-2.7)	1.4 (1.1-1.9)	1.0 (0.8-1.3)	0.7 (0.5-0.9)
4	37 (29-43)	28 (22-33)	21 (16-25)	15 (11-18)	10 (7.7-13)	7.1 (5.3-8.7)	4.8 (3.6-5.9)	3.3 (2.5-4.1)	2.3 (1.7-2.8)	1.6 (1.2-1.9)	1.1 (0.8-1.3)
5	47 (39-51)	37 (30-42)	29 (23-32)	21 (16-24)	15 (12-17)	11 (8.0-12)	7.4 (5.5-8.3)	5.1 (3.8-5.7)	3.6 (2.6-4.0)	2.5 (1.8-2.7)	1.7 (1.3-1.9)
6	57	48	38	30	22	16	11	7.8	5.5	3.8	2.7

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

**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	7.8	5.6	4.0	2.8	2.0	1.4	1.0	0.7	0.5	0.4	0.3
1	14 (10-27)	10 (7.3-21)	7.3 (5.3-16)	5.3 (3.8-11)	3.8 (2.7-8.3)	2.7 (1.9-5.9)	1.9 (1.3-4.2)	1.4 (1.0-3.1)	1.0 (0.7-2.2)	0.7 (0.5-1.6)	0.5 (0.4-1.2)
2	21 (14-36)	16 (10-29)	12 (7.3-22)	9.0 (5.3-17)	6.6 (3.8-12)	4.7 (2.7-8.8)	3.4 (1.9-6.3)	2.5 (1.4-4.6)	1.8 (1.0-3.4)	1.3 (0.7-2.5)	0.9 (0.5-1.8)
3	31 (18-44)	25 (14-36)	19 (10-29)	14 (7.4-22)	11 (5.3-17)	7.9 (3.8-13)	5.7 (2.7-9.2)	4.2 (2.0-6.9)	3.1 (1.4-5.1)	2.3 (1.0-3.7)	1.6 (0.8-2.7)
4	42 (24-52)	34 (18-44)	28 (14-36)	22 (10-29)	17 (7.5-23)	13 (5.4-17)	9.2 (3.9-13)	6.9 (2.9-9.6)	5.1 (2.1-7.1)	3.8 (1.6-5.3)	2.8 (1.1-3.9)
5	53 (32-60)	46 (25-52)	38 (20-44)	31 (15-37)	25 (11-29)	19 (8.1-23)	14 (5.8-17)	11 (4.3-13)	8.2 (3.2-9.8)	6.1 (2.3-7.3)	4.5 (1.7-5.4)
6	64	57	50	42	34	27	21	16	13	9.5	7.1

**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	6.7	5.0	3.7	2.8	2.1	1.5	1.1	0.9	0.7	0.5	0.4
1	12 (8.6-24)	8.9 (6.5-19)	6.8 (4.9-15)	5.1 (3.7-11)	3.9 (2.7-8.5)	2.9 (2.0-6.4)	2.2 (1.5-4.8)	1.7 (1.1-3.7)	1.3 (0.9-2.8)	1.0 (0.7-2.2)	0.7 (0.5-1.7)
2	18 (11-32)	15 (8.4-26)	11 (6.4-21)	8.7 (4.8-16)	6.6 (3.6-13)	5.0 (2.7-9.5)	3.8 (2.0-7.2)	2.9 (1.6-5.6)	2.2 (1.2-4.3)	1.7 (0.9-3.3)	1.3 (0.7-2.5)
3	27 (15-41)	22 (12-34)	18 (8.9-28)	14 (6.7-22)	11 (5.1-18)	8.2 (3.8-14)	6.3 (2.9-10)	4.9 (2.2-8.2)	3.8 (1.7-6.4)	2.9 (1.3-4.9)	2.2 (1.0-3.8)
4	37 (20-49)	31 (16-42)	26 (12-35)	21 (9.5-29)	16 (7.2-23)	13 (5.5-18)	10 (4.1-14)	7.8 (3.2-11)	6.1 (2.5-8.8)	4.7 (1.9-6.9)	3.7 (1.5-5.3)
5	49 (28-55)	42 (22-48)	36 (18-41)	30 (14-35)	24 (11-28)	19 (8.1-23)	15 (6.2-18)	12 (4.8-14)	9.6 (3.7-11)	7.5 (2.9-8.9)	5.8 (2.2-7.0)
6	59	53	47	40	34	28	22	18	14	11	9.0

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

**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	4.5	3.6	2.8	2.2	1.7	1.3	1.0	0.8	0.7	0.5	0.4
1	8.1 (5.9-17)	6.5 (4.6-14)	5.1 (3.6-11)	4.0 (2.9-8.9)	3.2 (2.2-7.0)	2.5 (1.7-5.5)	2.0 (1.4-4.4)	1.6 (1.1-3.6)	1.3 (0.9-2.9)	1.0 (0.7-2.3)	0.8 (0.6-1.8)
2	13 (7.6-24)	11 (6.0-20)	8.6 (4.8-16)	6.9 (3.7-13)	5.4 (2.9-10)	4.3 (2.3-8.2)	3.4 (1.8-6.6)	2.8 (1.5-5.3)	2.2 (1.2-4.3)	1.8 (0.9-3.5)	1.4 (0.8-2.8)
3	20 (11-32)	17 (8.4-27)	14 (6.6-22)	11 (5.2-18)	8.9 (4.1-15)	7.1 (3.2-12)	5.7 (2.6-9.5)	4.6 (2.1-7.7)	3.7 (1.7-6.3)	3.0 (1.3-5.1)	2.4 (1.1-4.1)
4	29 (15-39)	25 (12-34)	21 (9.4-29)	17 (7.5-24)	14 (5.9-20)	11 (4.7-16)	9.0 (3.7-13)	7.4 (3.0-11)	6.0 (2.4-8.7)	4.9 (2.0-7.1)	4.0 (1.6-5.8)
5	40 (21-46)	35 (17-40)	30 (14-34)	25 (11-29)	21 (8.7-24)	17 (6.9-20)	14 (5.6-16)	11 (4.5-14)	9.4 (3.7-11)	7.7 (3.0-9.2)	6.3 (2.4-7.5)
6	51	46	40	35	29	25	20	17	14	12	9.7

**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	2.9	2.4	1.9	1.6	1.3	1.0	0.9	0.7	0.6	0.5	0.4
1	5.3 (3.8-12)	4.4 (3.1-9.6)	3.6 (2.5-8.0)	2.9 (2.1-6.6)	2.4 (1.7-5.4)	2.0 (1.4-4.4)	1.6 (1.1-3.7)	1.4 (1.0-3.1)	1.2 (0.8-2.6)	1.0 (0.7-2.2)	0.8 (0.6-1.8)
2	9.0 (5.0-17)	7.5 (4.1-14)	6.2 (3.4-12)	5.1 (2.7-9.7)	4.2 (2.2-8.0)	3.4 (1.8-6.6)	2.9 (1.5-5.5)	2.4 (1.3-4.7)	2.0 (1.1-3.9)	1.7 (0.9-3.3)	1.4 (0.8-2.8)
3	14 (6.9-23)	12 (5.7-19)	10 (4.7-16)	8.4 (3.9-14)	6.9 (3.2-11)	5.7 (2.6-9.6)	4.8 (2.2-8.1)	4.1 (1.8-6.9)	3.4 (1.5-5.8)	2.9 (1.3-4.9)	2.4 (1.1-4.1)
4	21 (9.8-29)	18 (8.1-25)	15 (6.7-22)	13 (5.6-19)	11 (4.6-16)	9.1 (3.8-13)	7.7 (3.2-11)	6.6 (2.7-9.5)	5.6 (2.3-8.1)	4.7 (1.9-6.9)	4.0 (1.6-5.8)
5	30 (14-35)	26 (12-31)	23 (9.9-27)	20 (8.2-23)	17 (6.8-20)	14 (5.6-17)	12 (4.7-14)	10 (4.0-12)	8.8 (3.4-10)	7.5 (2.9-8.9)	6.4 (2.4-7.6)
6	41	36	32	28	24	21	18	16	13	11	9.8

**Thailand - 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 Thailand. 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	8.2	4.3	2.2	1.1	0.6	0.3	0.2	0.1	0.0	0.0	0.0
1	13 (8.6-17)	6.8 (4.5-8.9)	3.5 (2.3-4.7)	1.8 (1.2-2.4)	0.9 (0.6-1.2)	0.5 (0.3-0.6)	0.2 (0.2-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	0.0 (0.0-0.1)	0.0 (0.0-0.0)
2	20 (12-29)	11 (6.3-16)	5.6 (3.3-8.5)	2.9 (1.7-4.4)	1.5 (0.9-2.3)	0.8 (0.4-1.2)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	0.0 (0.0-0.1)
3	29 (18-44)	16 (9.5-26)	8.8 (5.0-14)	4.6 (2.6-7.6)	2.4 (1.3-3.9)	1.2 (0.7-2.0)	0.6 (0.3-1.0)	0.3 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.0 (0.0-0.1)
4	42 (29-59)	25 (16-37)	14 (8.4-21)	7.2 (4.4-11)	3.7 (2.3-5.9)	1.9 (1.2-3.1)	1.0 (0.6-1.6)	0.5 (0.3-0.8)	0.3 (0.2-0.4)	0.1 (0.1-0.2)	0.1 (0.1-0.1)
5	57 (46-71)	35 (27-48)	20 (15-28)	11 (8.0-16)	5.7 (4.2-8.3)	3.0 (2.2-4.3)	1.5 (1.1-2.2)	0.8 (0.6-1.2)	0.4 (0.3-0.6)	0.2 (0.2-0.3)	0.1 (0.1-0.2)
6	73	49	30	16	8.7	4.6	2.4	1.2	0.7	0.3	0.2

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

**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	9.1	5.0	2.7	1.5	0.8	0.4	0.2	0.1	0.1	0.0	0.0
1	14 (9.6-17)	7.8 (5.3-9.6)	4.3 (2.9-5.3)	2.3 (1.5-2.9)	1.3 (0.8-1.6)	0.7 (0.4-0.8)	0.4 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.1)	0.1 (0.0-0.1)	0.0 (0.0-0.0)
2	21 (13-29)	12 (7.4-17)	6.7 (4.0-9.6)	3.6 (2.2-5.3)	2.0 (1.2-2.9)	1.1 (0.6-1.6)	0.6 (0.3-0.8)	0.3 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.1)	0.1 (0.0-0.1)
3	31 (20-44)	18 (11-27)	10 (6.1-16)	5.6 (3.3-8.9)	3.1 (1.8-4.9)	1.7 (1.0-2.7)	0.9 (0.5-1.4)	0.5 (0.3-0.8)	0.3 (0.2-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.1)
4	43 (31-59)	27 (18-38)	15 (10-23)	8.6 (5.6-13)	4.7 (3.1-7.4)	2.6 (1.7-4.0)	1.4 (0.9-2.2)	0.8 (0.5-1.2)	0.4 (0.3-0.7)	0.2 (0.2-0.4)	0.1 (0.1-0.2)
5	57 (49-71)	38 (31-50)	23 (18-31)	13 (10-18)	7.2 (5.6-10)	3.9 (3.1-5.7)	2.1 (1.7-3.1)	1.2 (0.9-1.7)	0.7 (0.5-1.0)	0.4 (0.3-0.5)	0.2 (0.2-0.3)
6	72	51	32	19	11	6.0	3.2	1.8	1.0	0.6	0.3

**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	10	6.0	3.4	1.9	1.1	0.6	0.3	0.2	0.1	0.1	0.0
1	16 (11-18)	9.1 (6.3-11)	5.2 (3.5-6.1)	2.9 (2.0-3.5)	1.6 (1.1-2.0)	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)	0.1 (0.0-0.1)
2	23 (15-30)	14 (8.8-19)	7.9 (5.0-11)	4.5 (2.8-6.2)	2.5 (1.6-3.5)	1.4 (0.9-2.0)	0.8 (0.5-1.1)	0.5 (0.3-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)
3	33 (22-45)	20 (13-29)	12 (7.5-17)	6.9 (4.3-10)	3.9 (2.4-5.9)	2.2 (1.4-3.3)	1.2 (0.8-1.9)	0.7 (0.4-1.1)	0.4 (0.3-0.6)	0.2 (0.2-0.4)	0.1 (0.1-0.2)
4	45 (34-59)	29 (21-40)	17 (12-25)	10 (7.2-15)	5.9 (4.1-8.8)	3.3 (2.3-5.0)	1.9 (1.3-2.9)	1.1 (0.8-1.7)	0.6 (0.4-1.0)	0.4 (0.3-0.6)	0.2 (0.2-0.3)
5	58 (52-70)	40 (35-51)	25 (21-34)	15 (13-21)	8.8 (7.3-12)	5.0 (4.1-7.1)	2.9 (2.4-4.1)	1.7 (1.4-2.4)	1.0 (0.8-1.4)	0.6 (0.5-0.8)	0.3 (0.3-0.5)
6	72	53	35	22	13	7.4	4.3	2.5	1.5	0.9	0.5

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

**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	11	6.9	4.0	2.4	1.4	0.8	0.5	0.3	0.2	0.1	0.1
1	17 (12-19)	10 (7.2-12)	6.1 (4.3-7.2)	3.6 (2.5-4.3)	2.1 (1.5-2.5)	1.2 (0.9-1.5)	0.7 (0.5-0.9)	0.4 (0.3-0.5)	0.3 (0.2-0.3)	0.2 (0.1-0.2)	0.1 (0.1-0.1)
2	24 (17-30)	15 (10-19)	9.0 (6.0-12)	5.4 (3.5-7.0)	3.2 (2.1-4.2)	1.9 (1.2-2.4)	1.1 (0.7-1.5)	0.7 (0.4-0.9)	0.4 (0.3-0.5)	0.2 (0.2-0.3)	0.1 (0.1-0.2)
3	33 (24-43)	21 (15-29)	13 (9.0-18)	8.0 (5.3-11)	4.7 (3.1-6.7)	2.8 (1.8-4.0)	1.7 (1.1-2.4)	1.0 (0.7-1.5)	0.6 (0.4-0.9)	0.4 (0.2-0.5)	0.2 (0.2-0.3)
4	44 (36-56)	30 (23-40)	19 (14-26)	12 (8.7-17)	7.0 (5.2-10)	4.1 (3.0-6.0)	2.5 (1.8-3.7)	1.5 (1.1-2.3)	0.9 (0.7-1.4)	0.6 (0.4-0.8)	0.3 (0.2-0.5)
5	56 (51-67)	40 (35-50)	26 (23-35)	17 (14-22)	10 (8.5-14)	6.1 (5.1-8.4)	3.7 (3.1-5.2)	2.3 (1.9-3.2)	1.4 (1.1-1.9)	0.8 (0.7-1.2)	0.5 (0.4-0.7)
6	68	52	36	23	15	8.9	5.5	3.3	2.0	1.2	0.8

**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	13	7.9	4.9	3.0	1.9	1.1	0.7	0.5	0.3	0.2	0.1
1	20 (17-25)	13 (11-16)	8.0 (6.9-10)	5.0 (4.3-6.4)	3.1 (2.6-3.9)	1.9 (1.6-2.4)	1.2 (1.0-1.6)	0.8 (0.7-1.0)	0.5 (0.4-0.6)	0.3 (0.3-0.4)	0.2 (0.2-0.2)
2	30 (25-37)	20 (16-26)	13 (10-17)	8.1 (6.4-11)	5.0 (4.0-6.8)	3.1 (2.5-4.3)	2.0 (1.6-2.7)	1.3 (1.0-1.7)	0.8 (0.6-1.1)	0.5 (0.4-0.7)	0.3 (0.3-0.4)
3	42 (35-50)	30 (24-36)	20 (15-25)	13 (9.8-16)	8.1 (6.1-10)	5.1 (3.8-6.6)	3.3 (2.4-4.3)	2.1 (1.5-2.7)	1.3 (1.0-1.8)	0.8 (0.6-1.1)	0.5 (0.4-0.7)
4	56 (48-62)	42 (34-48)	30 (23-34)	20 (15-24)	13 (9.5-15)	8.2 (6.0-10)	5.3 (3.9-6.5)	3.4 (2.5-4.2)	2.2 (1.6-2.7)	1.4 (1.0-1.7)	0.9 (0.6-1.1)
5	68 (61-71)	56 (48-59)	42 (35-46)	30 (24-33)	20 (16-22)	13 (10-15)	8.6 (6.6-9.7)	5.5 (4.3-6.3)	3.6 (2.7-4.1)	2.3 (1.7-2.6)	1.4 (1.1-1.7)
6	77	68	56	42	30	20	13	8.9	5.7	3.7	2.4



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

**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	14	9.1	5.9	3.8	2.5	1.6	1.1	0.7	0.5	0.3	0.2
1	24 (19-44)	16 (13-32)	11 (8.3-23)	7.4 (5.4-15)	4.8 (3.5-10)	3.2 (2.3-6.9)	2.2 (1.5-4.7)	1.4 (1.0-3.1)	1.0 (0.7-2.1)	0.6 (0.5-1.4)	0.4 (0.3-0.9)
2	36 (25-56)	27 (17-45)	19 (12-34)	13 (7.6-24)	8.7 (4.9-16)	5.9 (3.3-11)	4.0 (2.2-7.8)	2.7 (1.5-5.3)	1.8 (1.0-3.5)	1.2 (0.6-2.4)	0.8 (0.4-1.6)
3	50 (34-67)	40 (24-56)	30 (17-45)	21 (11-33)	15 (7.4-24)	10 (5.0-17)	7.1 (3.3-12)	4.8 (2.2-7.9)	3.2 (1.5-5.4)	2.2 (1.0-3.6)	1.4 (0.6-2.4)
4	63 (45-74)	54 (34-65)	43 (24-54)	33 (17-42)	24 (11-32)	17 (7.6-23)	12 (5.1-17)	8.3 (3.5-12)	5.6 (2.3-8.0)	3.8 (1.5-5.5)	2.5 (1.0-3.7)
5	73 (55-79)	66 (45-72)	57 (34-63)	47 (25-52)	36 (17-40)	27 (12-31)	19 (8.3-23)	14 (5.7-16)	9.4 (3.8-11)	6.5 (2.6-7.7)	4.4 (1.7-5.2)
6	81	76	69	60	50	39	30	22	15	11	7.3

**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	12	8.6	5.9	4.0	2.8	1.9	1.3	0.9	0.7	0.5	0.3
1	21 (16-41)	15 (11-31)	11 (7.7-23)	7.5 (5.3-16)	5.3 (3.6-11)	3.7 (2.5-8.1)	2.6 (1.8-5.7)	1.8 (1.2-4.0)	1.3 (0.9-2.8)	0.9 (0.6-2.0)	0.6 (0.4-1.4)
2	33 (22-52)	25 (15-42)	18 (11-33)	13 (7.4-24)	9.3 (5.1-18)	6.7 (3.6-13)	4.7 (2.5-9.3)	3.4 (1.8-6.6)	2.4 (1.2-4.7)	1.7 (0.9-3.3)	1.2 (0.6-2.3)
3	45 (29-63)	37 (21-53)	28 (15-43)	21 (11-33)	15 (7.5-25)	11 (5.3-19)	8.2 (3.8-14)	5.8 (2.7-9.9)	4.1 (1.9-7.0)	2.9 (1.3-5.0)	2.0 (0.9-3.5)
4	58 (38-70)	50 (29-62)	40 (22-53)	32 (16-42)	24 (11-33)	18 (8.0-25)	13 (5.7-19)	9.7 (4.0-14)	7.0 (2.8-10)	5.0 (2.0-7.3)	3.5 (1.4-5.2)
5	69 (49-75)	62 (39-68)	54 (30-60)	44 (23-51)	35 (17-41)	28 (12-33)	21 (8.9-25)	16 (6.4-19)	11 (4.6-14)	8.2 (3.2-10)	5.8 (2.3-7.3)
6	77	73	66	57	48	40	31	24	18	13	9.5

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

**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	9.1	6.6	4.7	3.4	2.5	1.8	1.4	1.0	0.7	0.5	0.4
1	16 (12-32)	12 (8.5-24)	8.7 (6.2-18)	6.3 (4.4-14)	4.7 (3.3-10)	3.5 (2.4-7.7)	2.6 (1.8-5.8)	1.9 (1.3-4.3)	1.4 (1.0-3.2)	1.0 (0.7-2.3)	0.8 (0.5-1.7)
2	25 (16-42)	19 (12-34)	15 (8.6-26)	11 (6.2-20)	8.2 (4.6-15)	6.2 (3.4-12)	4.7 (2.5-9.0)	3.5 (1.9-6.8)	2.6 (1.4-5.1)	1.9 (1.0-3.8)	1.4 (0.7-2.8)
3	36 (21-52)	29 (16-44)	23 (12-36)	18 (8.7-28)	14 (6.5-22)	10 (4.9-17)	7.9 (3.6-13)	6.0 (2.7-10)	4.5 (2.0-7.6)	3.3 (1.5-5.7)	2.5 (1.1-4.2)
4	48 (29-61)	41 (22-53)	33 (17-44)	27 (13-36)	21 (9.7-29)	17 (7.3-23)	13 (5.5-18)	9.8 (4.1-14)	7.4 (3.0-11)	5.6 (2.3-8.0)	4.2 (1.7-6.0)
5	60 (38-67)	53 (31-60)	46 (24-51)	38 (18-43)	31 (14-36)	25 (11-30)	20 (8.3-24)	15 (6.3-19)	12 (4.7-14)	9.0 (3.5-11)	6.8 (2.6-8.4)
6	71	65	58	50	43	36	29	23	18	14	11

**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	5.8	4.3	3.3	2.5	1.9	1.5	1.2	0.9	0.7	0.5	0.4
1	10 (7.5-22)	8.0 (5.7-17)	6.1 (4.3-13)	4.7 (3.2-10)	3.7 (2.5-8.0)	2.9 (2.0-6.3)	2.2 (1.5-4.9)	1.7 (1.2-3.9)	1.3 (0.9-3.0)	1.0 (0.7-2.3)	0.8 (0.5-1.8)
2	17 (10-30)	13 (7.8-24)	10 (6.0-19)	8.1 (4.6-15)	6.5 (3.6-12)	5.1 (2.8-9.7)	4.0 (2.2-7.7)	3.1 (1.7-6.1)	2.4 (1.3-4.8)	1.9 (1.0-3.7)	1.5 (0.8-2.9)
3	26 (14-40)	21 (11-33)	17 (8.3-27)	13 (6.4-22)	11 (5.0-18)	8.6 (4.0-14)	6.8 (3.1-11)	5.4 (2.4-9.0)	4.2 (1.9-7.1)	3.3 (1.5-5.6)	2.6 (1.1-4.4)
4	37 (20-49)	31 (16-42)	26 (12-35)	21 (9.5-29)	17 (7.5-24)	14 (5.9-19)	11 (4.7-16)	8.8 (3.7-12)	7.0 (2.9-9.9)	5.5 (2.2-7.8)	4.3 (1.7-6.2)
5	49 (28-56)	43 (22-49)	36 (18-42)	30 (14-35)	26 (11-30)	21 (9.0-25)	17 (7.1-21)	14 (5.6-17)	11 (4.4-14)	8.9 (3.5-11)	7.0 (2.7-8.6)
6	61	55	49	42	36	31	26	21	17	14	11

**Thailand - 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 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 Thailand. 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	13	8.2	5.4	3.7	2.8	2.2	1.8	1.5	1.4	1.3	1.3
1	20 (17-26)	13 (11-16)	8.2 (7.2-11)	5.7 (4.6-7.2)	4.2 (3.2-5.3)	3.3 (2.4-4.1)	2.7 (1.8-3.6)	2.3 (1.5-3.1)	2.1 (1.3-2.9)	2.0 (1.3-2.7)	1.9 (1.2-2.6)
2	29 (22-40)	19 (14-26)	12 (9.7-17)	8.5 (6.3-12)	6.3 (4.2-9.2)	4.9 (3.0-7.7)	4.0 (2.3-6.6)	3.4 (1.9-5.8)	3.0 (1.6-5.3)	2.9 (1.5-5.1)	2.8 (1.4-4.9)
3	40 (29-52)	27 (19-35)	18 (13-24)	13 (8.6-18)	9.2 (5.7-15)	7.1 (4.0-12)	5.8 (3.0-10)	4.9 (2.4-9.1)	4.4 (2.1-8.4)	4.2 (1.9-8.0)	4.0 (1.8-7.7)
4	53 (40-65)	38 (26-47)	26 (17-31)	18 (12-24)	13 (8.7-19)	10 (6.6-16)	8.3 (5.0-13)	7.0 (3.9-12)	6.3 (3.4-11)	6.0 (3.1-10)	5.7 (2.9-9.9)
5	66 (56-74)	50 (40-57)	35 (27-40)	25 (19-29)	19 (14-23)	14 (11-19)	12 (8.7-16)	9.8 (7.4-14)	8.8 (6.3-13)	8.3 (5.8-12)	7.9 (5.4-12)
6	77	63	47	34	25	20	16	14	12	11	11

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

**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	15	9.4	6.3	4.4	3.3	2.6	2.1	1.7	1.6	1.5	1.4
1	21 (18-26)	14 (13-17)	9.4 (8.2-12)	6.6 (5.4-8.2)	4.9 (3.8-6.0)	3.8 (2.8-4.8)	3.1 (2.1-4.0)	2.6 (1.7-3.5)	2.3 (1.5-3.2)	2.2 (1.4-3.1)	2.1 (1.3-2.9)
2	30 (24-40)	20 (16-27)	14 (11-19)	9.8 (7.4-13)	7.2 (5.0-10)	5.6 (3.6-8.6)	4.5 (2.7-7.3)	3.8 (2.1-6.3)	3.4 (1.9-5.8)	3.2 (1.7-5.5)	3.0 (1.6-5.2)
3	41 (31-51)	29 (21-36)	20 (15-26)	14 (10-20)	10 (6.8-16)	8.1 (4.8-13)	6.5 (3.6-11)	5.5 (2.8-9.8)	4.9 (2.4-9.1)	4.6 (2.2-8.6)	4.3 (2.0-8.2)
4	53 (41-63)	39 (29-46)	28 (20-33)	20 (14-26)	15 (10-21)	11 (7.8-17)	9.2 (5.8-14)	7.7 (4.5-13)	6.9 (3.8-12)	6.4 (3.4-11)	6.1 (3.2-10)
5	65 (57-72)	50 (42-57)	37 (30-41)	27 (22-32)	20 (16-25)	16 (12-21)	13 (9.8-17)	11 (8.1-15)	9.6 (6.9-14)	8.9 (6.2-13)	8.4 (5.7-12)
6	75	62	48	36	28	21	17	14	13	12	11

**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	15	9.9	7.0	5.1	3.9	3.0	2.5	2.1	1.9	1.7	1.6
1	21 (19-24)	14 (13-17)	10 (8.7-12)	7.5 (6.0-8.9)	5.7 (4.3-6.8)	4.4 (3.2-5.6)	3.6 (2.5-4.7)	3.0 (2.0-4.1)	2.7 (1.8-3.8)	2.5 (1.6-3.5)	2.3 (1.5-3.3)
2	29 (23-36)	20 (16-26)	15 (12-19)	11 (8.2-14)	8.2 (5.8-12)	6.4 (4.2-9.6)	5.2 (3.2-8.2)	4.3 (2.5-7.0)	3.9 (2.2-6.6)	3.6 (2.0-6.2)	3.4 (1.8-5.8)
3	38 (30-46)	28 (22-34)	20 (16-27)	15 (11-21)	12 (7.8-17)	9.1 (5.6-15)	7.3 (4.2-12)	6.1 (3.3-11)	5.6 (2.9-10)	5.1 (2.5-9.4)	4.8 (2.3-8.9)
4	48 (39-56)	37 (28-43)	28 (21-33)	21 (15-27)	16 (12-22)	13 (8.8-19)	10 (6.6-16)	8.5 (5.1-14)	7.7 (4.4-13)	7.1 (3.9-12)	6.6 (3.5-11)
5	58 (52-63)	47 (40-51)	36 (30-41)	28 (23-33)	21 (17-27)	17 (14-22)	14 (11-19)	12 (8.9-16)	10 (7.7-15)	9.7 (6.8-14)	9.0 (6.2-13)
6	67	57	45	36	28	23	18	15	14	13	12

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

**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	10	7.3	5.5	4.3	3.4	2.8	2.3	2.1	1.9	1.8
1	19 (17-22)	14 (12-16)	10 (8.6-12)	7.9 (6.3-9.2)	6.1 (4.6-7.4)	4.9 (3.5-6.1)	4.0 (2.8-5.2)	3.4 (2.3-4.5)	3.0 (2.0-4.2)	2.8 (1.8-3.9)	2.6 (1.6-3.6)
2	26 (21-31)	19 (16-23)	14 (12-18)	11 (8.4-15)	8.6 (6.2-12)	6.9 (4.6-10)	5.6 (3.6-8.7)	4.8 (2.9-7.6)	4.3 (2.5-7.0)	3.9 (2.2-6.6)	3.6 (1.9-6.1)
3	34 (27-40)	26 (21-31)	20 (16-26)	15 (11-21)	12 (8.3-18)	9.5 (6.2-15)	7.8 (4.7-13)	6.6 (3.8-11)	5.9 (3.2-10)	5.4 (2.8-9.6)	5.0 (2.5-9.1)
4	42 (35-48)	33 (27-39)	26 (20-32)	20 (16-27)	16 (12-22)	13 (9.3-19)	11 (7.1-16)	9.0 (5.6-14)	8.1 (4.8-13)	7.4 (4.2-12)	6.9 (3.8-12)
5	50 (45-55)	41 (36-47)	33 (28-39)	26 (22-32)	21 (17-27)	17 (14-23)	14 (11-19)	12 (9.3-17)	11 (8.0-16)	9.9 (7.0-14)	9.1 (6.3-14)
6	58	49	41	33	27	22	18	16	14	13	12

**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	13	9.6	7.4	5.8	4.6	3.7	3.0	2.6	2.3	2.1	1.9
1	18 (15-22)	14 (11-17)	10 (8.1-13)	8.1 (6.1-10)	6.4 (4.7-7.9)	5.1 (3.7-6.3)	4.1 (2.9-5.0)	3.5 (2.4-4.3)	3.1 (2.1-3.8)	2.8 (1.9-3.4)	2.5 (1.7-3.1)
2	25 (19-32)	19 (15-25)	15 (11-20)	11 (8.3-15)	8.9 (6.3-12)	7.0 (4.8-9.9)	5.7 (3.8-8.0)	4.8 (3.1-6.8)	4.2 (2.6-6.0)	3.8 (2.3-5.4)	3.4 (2.1-4.9)
3	33 (25-40)	26 (20-33)	20 (15-27)	16 (11-21)	12 (8.5-17)	9.7 (6.5-14)	7.7 (5.0-11)	6.5 (4.1-9.7)	5.6 (3.5-8.6)	5.0 (3.0-7.8)	4.5 (2.7-7.1)
4	42 (33-49)	34 (26-41)	27 (20-34)	21 (15-27)	17 (12-22)	13 (9.1-18)	10 (7.1-15)	8.7 (5.8-13)	7.5 (4.9-11)	6.6 (4.3-10)	5.9 (3.8-9.1)
5	51 (43-57)	43 (36-49)	35 (28-41)	28 (22-34)	22 (18-28)	18 (14-23)	14 (11-18)	12 (9.1-16)	9.9 (7.8-14)	8.7 (6.8-12)	7.7 (6.1-11)
6	60	52	44	36	29	23	19	15	13	11	9.9

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

**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	12	9.2	7.2	5.7	4.6	3.7	3.0	2.6	2.3	2.1	1.9
1	18 (13-30)	14 (9.9-24)	11 (7.7-19)	8.7 (6.0-14)	6.9 (4.7-11)	5.4 (3.7-8.4)	4.4 (3.0-6.4)	3.7 (2.5-5.2)	3.2 (2.1-4.2)	2.8 (1.9-3.5)	2.5 (1.7-3.0)
2	25 (17-39)	20 (13-31)	16 (10-25)	13 (8.1-20)	10 (6.3-15)	8.0 (5.0-12)	6.3 (3.9-9.4)	5.2 (3.3-7.6)	4.4 (2.8-6.3)	3.8 (2.4-5.3)	3.3 (2.1-4.5)
3	35 (22-47)	29 (17-40)	23 (14-33)	19 (11-26)	15 (8.5-21)	12 (6.7-17)	9.1 (5.2-13)	7.4 (4.3-11)	6.2 (3.7-9.0)	5.2 (3.1-7.5)	4.5 (2.7-6.4)
4	45 (29-55)	38 (23-48)	32 (19-41)	26 (15-34)	21 (12-27)	16 (9.1-22)	13 (7.2-17)	11 (6.0-14)	8.7 (5.1-12)	7.2 (4.4-10)	6.1 (3.8-8.5)
5	55 (37-62)	48 (31-55)	41 (25-48)	35 (20-41)	28 (16-34)	23 (13-28)	18 (11-23)	15 (8.9-19)	12 (7.6-16)	10 (6.6-13)	8.3 (5.8-11)
6	65	59	52	45	38	31	25	20	17	14	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	9.7	7.8	6.2	5.0	4.1	3.3	2.7	2.3	2.0	1.8	1.6
1	15 (11-26)	12 (8.5-21)	9.6 (6.7-17)	7.7 (5.3-13)	6.2 (4.2-11)	4.9 (3.4-8.3)	4.0 (2.7-6.5)	3.4 (2.3-5.3)	2.9 (2.0-4.4)	2.5 (1.7-3.6)	2.2 (1.5-3.0)
2	22 (14-35)	18 (11-29)	14 (9.1-23)	12 (7.2-19)	9.2 (5.7-15)	7.4 (4.6-12)	5.9 (3.7-9.2)	5.0 (3.1-7.5)	4.2 (2.6-6.2)	3.5 (2.2-5.1)	3.0 (1.9-4.3)
3	30 (19-43)	25 (15-36)	21 (12-30)	17 (9.8-25)	14 (7.8-20)	11 (6.3-16)	8.7 (5.0-13)	7.2 (4.2-10)	6.0 (3.5-8.6)	5.0 (3.0-7.1)	4.3 (2.5-6.0)
4	40 (24-51)	34 (20-44)	29 (16-38)	24 (13-32)	19 (11-26)	16 (8.5-21)	13 (6.9-17)	10 (5.8-14)	8.6 (4.8-12)	7.2 (4.1-9.6)	6.0 (3.5-8.0)
5	50 (31-57)	44 (26-51)	38 (22-45)	32 (18-38)	27 (14-32)	22 (12-27)	18 (9.4-22)	15 (7.9-18)	12 (6.7-15)	10 (5.8-13)	8.4 (5.0-11)
6	60	55	49	42	36	30	25	21	17	14	12

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

**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	7.2	6.0	4.9	4.1	3.4	2.8	2.4	2.1	1.8	1.6	1.4
1	11 (7.8-20)	9.1 (6.3-16)	7.5 (5.2-13)	6.2 (4.2-11)	5.1 (3.4-8.8)	4.2 (2.8-7.1)	3.5 (2.4-5.8)	3.0 (2.0-4.9)	2.6 (1.7-4.1)	2.3 (1.5-3.5)	2.0 (1.3-3.0)
2	16 (10-26)	14 (8.6-22)	11 (7.0-18)	9.3 (5.7-15)	7.6 (4.7-12)	6.2 (3.8-10)	5.2 (3.2-8.2)	4.5 (2.7-6.9)	3.8 (2.3-5.8)	3.3 (2.0-4.9)	2.8 (1.7-4.2)
3	23 (14-34)	20 (11-29)	16 (9.5-24)	14 (7.8-20)	11 (6.4-17)	9.2 (5.2-14)	7.7 (4.4-11)	6.5 (3.7-9.6)	5.6 (3.2-8.1)	4.7 (2.7-6.8)	4.1 (2.4-5.8)
4	32 (18-42)	28 (15-36)	23 (13-31)	20 (11-26)	16 (8.7-22)	13 (7.2-18)	11 (6.0-15)	9.5 (5.1-13)	8.1 (4.4-11)	6.8 (3.7-9.2)	5.8 (3.2-7.8)
5	42 (24-48)	37 (20-43)	32 (17-38)	27 (14-32)	23 (12-28)	19 (9.7-23)	16 (8.2-20)	14 (7.0-17)	12 (6.0-14)	9.8 (5.2-12)	8.3 (4.5-11)
6	52	47	42	36	31	27	23	19	16	14	12

**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	5.3	4.5	3.8	3.2	2.7	2.2	2.0	1.7	1.5	1.4	1.2
1	8.0 (5.5-14)	6.8 (4.6-12)	5.7 (3.9-9.8)	4.8 (3.3-8.2)	4.0 (2.7-6.9)	3.4 (2.3-5.7)	2.9 (2.0-4.9)	2.6 (1.7-4.2)	2.3 (1.5-3.6)	2.0 (1.3-3.1)	1.7 (1.2-2.7)
2	12 (7.5-19)	10 (6.3-16)	8.6 (5.3-14)	7.2 (4.4-12)	6.1 (3.7-9.6)	5.1 (3.1-8.1)	4.4 (2.7-6.9)	3.8 (2.3-6.0)	3.3 (2.1-5.2)	2.9 (1.8-4.5)	2.5 (1.6-3.9)
3	17 (10-25)	15 (8.6-22)	13 (7.2-19)	11 (6.1-16)	9.0 (5.1-13)	7.6 (4.3-11)	6.5 (3.7-9.7)	5.7 (3.2-8.4)	4.9 (2.8-7.3)	4.3 (2.4-6.3)	3.7 (2.1-5.4)
4	24 (14-32)	21 (12-28)	18 (9.8-24)	15 (8.3-21)	13 (7.0-18)	11 (5.9-15)	9.6 (5.1-13)	8.4 (4.5-11)	7.3 (3.9-9.9)	6.3 (3.4-8.6)	5.5 (3.0-7.4)
5	33 (18-39)	29 (16-34)	25 (13-30)	22 (11-26)	19 (9.5-23)	16 (8.1-20)	14 (7.0-17)	12 (6.1-15)	11 (5.4-13)	9.2 (4.7-11)	8.0 (4.2-9.9)
6	42	38	34	30	26	23	20	17	15	13	12

**Thailand - 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 Thailand. 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	7.3	4.9	3.6	2.8	2.3	2.0	1.8	1.7	1.6	1.6
1	17 (15-22)	11 (9.8-14)	7.6 (6.3-9.6)	5.5 (4.3-6.9)	4.3 (3.1-5.4)	3.5 (2.4-4.6)	3.0 (2.0-4.0)	2.7 (1.8-3.7)	2.5 (1.6-3.5)	2.4 (1.6-3.4)	2.3 (1.5-3.3)
2	26 (20-36)	17 (13-24)	11 (8.6-16)	8.3 (5.7-12)	6.4 (4.0-9.9)	5.2 (3.0-8.5)	4.4 (2.4-7.4)	4.0 (2.1-6.8)	3.8 (2.0-6.5)	3.6 (1.8-6.3)	3.4 (1.8-6.1)
3	37 (27-49)	25 (18-32)	17 (12-24)	12 (7.6-19)	9.4 (5.3-16)	7.6 (4.0-14)	6.4 (3.2-12)	5.8 (2.7-11)	5.5 (2.5-10)	5.2 (2.4-10)	5.0 (2.3-9.7)
4	51 (36-63)	35 (24-43)	24 (16-31)	18 (12-25)	14 (8.9-20)	11 (6.6-17)	9.2 (5.2-15)	8.3 (4.5-14)	7.8 (4.1-13)	7.4 (3.9-13)	7.2 (3.7-12)
5	65 (55-75)	48 (38-54)	34 (26-38)	25 (19-30)	19 (15-24)	15 (12-20)	13 (9.8-18)	12 (8.4-16)	11 (7.7-16)	10 (7.2-15)	10 (6.8-14)
6	79	62	46	34	26	21	18	16	15	14	14



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

**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	13	8.8	6.2	4.6	3.6	2.9	2.4	2.2	2.1	2.0	1.9
1	20 (18-24)	13 (12-16)	9.3 (7.8-11)	6.9 (5.4-8.4)	5.4 (4.0-6.7)	4.4 (3.1-5.7)	3.6 (2.5-4.9)	3.3 (2.2-4.6)	3.1 (2.0-4.3)	2.9 (1.9-4.1)	2.8 (1.8-3.9)
2	29 (23-38)	20 (16-26)	14 (11-19)	10 (7.2-14)	7.9 (5.1-12)	6.4 (3.9-10)	5.4 (3.0-8.8)	4.9 (2.7-8.2)	4.6 (2.4-7.7)	4.3 (2.2-7.3)	4.1 (2.1-7.0)
3	40 (30-51)	28 (21-36)	20 (14-28)	15 (9.6-23)	12 (6.8-19)	9.3 (5.1-16)	7.8 (4.0-14)	7.1 (3.5-13)	6.6 (3.1-12)	6.2 (2.9-12)	5.9 (2.7-11)
4	54 (40-64)	39 (28-46)	28 (20-36)	21 (15-29)	16 (11-24)	13 (8.5-20)	11 (6.6-18)	10 (5.7-17)	9.3 (5.1-16)	8.8 (4.7-15)	8.3 (4.4-14)
5	68 (59-75)	52 (43-57)	39 (31-44)	29 (23-35)	23 (18-29)	18 (14-24)	15 (12-21)	14 (10-19)	13 (9.1-18)	12 (8.4-17)	12 (7.9-16)
6	80	65	51	39	31	25	21	19	18	17	16

**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	16	11	7.9	6.0	4.7	3.8	3.2	2.9	2.7	2.5	2.3
1	23 (21-27)	16 (14-19)	12 (9.8-14)	8.8 (7.0-10)	6.9 (5.1-8.6)	5.6 (4.0-7.3)	4.7 (3.3-6.4)	4.3 (2.9-5.9)	3.9 (2.6-5.5)	3.7 (2.4-5.2)	3.4 (2.2-4.9)
2	33 (27-41)	23 (19-30)	17 (13-22)	13 (9.2-18)	10 (6.6-15)	8.1 (5.0-12)	6.9 (4.0-11)	6.2 (3.5-10)	5.7 (3.1-9.5)	5.3 (2.8-8.9)	5.0 (2.6-8.4)
3	44 (35-53)	33 (26-42)	24 (18-34)	18 (12-27)	14 (8.8-23)	12 (6.6-19)	9.8 (5.3-17)	8.9 (4.5-16)	8.2 (4.0-15)	7.6 (3.7-14)	7.1 (3.4-13)
4	57 (45-65)	44 (33-51)	33 (24-42)	25 (18-34)	20 (14-29)	16 (11-25)	14 (8.5-22)	12 (7.3-20)	11 (6.5-19)	11 (5.9-18)	10 (5.4-17)
5	70 (63-75)	56 (49-61)	44 (37-50)	34 (29-41)	27 (22-34)	22 (18-29)	19 (15-25)	17 (13-23)	16 (11-22)	15 (10-21)	14 (9.4-19)
6	80	68	56	45	36	30	25	23	21	20	18

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

**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	18	13	9.8	7.4	5.8	4.7	4.1	3.6	3.3	3.0	2.8
1	26 (24-29)	19 (17-21)	14 (12-16)	11 (8.5-13)	8.5 (6.3-11)	6.8 (4.9-8.9)	5.9 (4.1-8.0)	5.3 (3.6-7.3)	4.8 (3.2-6.8)	4.4 (2.9-6.3)	4.1 (2.6-5.8)
2	36 (31-43)	27 (22-33)	20 (16-26)	15 (11-21)	12 (8.1-17)	9.7 (6.2-15)	8.5 (5.1-13)	7.6 (4.4-12)	6.9 (3.9-11)	6.4 (3.5-10)	5.9 (3.1-9.7)
3	47 (39-55)	36 (29-46)	28 (21-38)	21 (15-31)	17 (11-26)	14 (8.1-22)	12 (6.7-20)	11 (5.7-19)	9.8 (5.0-17)	8.9 (4.5-16)	8.3 (4.1-15)
4	59 (49-65)	47 (37-55)	37 (28-46)	29 (22-39)	23 (17-33)	19 (13-28)	16 (11-25)	15 (9.0-23)	13 (7.9-22)	12 (7.0-20)	11 (6.4-19)
5	69 (64-74)	58 (52-64)	47 (42-54)	38 (33-46)	31 (26-39)	25 (21-33)	22 (17-30)	20 (15-27)	18 (13-25)	17 (12-24)	15 (11-22)
6	78	69	58	48	40	33	29	26	24	22	21

**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	21	16	12	9.1	7.1	5.8	5.1	4.5	4.0	3.6	3.3
1	30 (26-35)	22 (19-27)	17 (14-20)	13 (10-15)	10 (7.6-12)	8.1 (6.0-9.6)	7.0 (5.1-8.2)	6.2 (4.4-7.3)	5.5 (3.8-6.6)	4.9 (3.4-5.9)	4.5 (3.1-5.4)
2	40 (33-49)	31 (24-39)	24 (18-30)	18 (13-23)	14 (9.8-18)	11 (7.6-15)	9.6 (6.3-13)	8.4 (5.4-12)	7.5 (4.7-10)	6.7 (4.1-9.3)	6.0 (3.7-8.4)
3	52 (43-63)	42 (32-52)	32 (24-42)	25 (17-34)	19 (13-27)	15 (10-23)	13 (8.3-20)	11 (7.0-17)	10 (6.1-16)	8.9 (5.3-14)	8.1 (4.8-13)
4	64 (56-72)	53 (44-62)	43 (34-52)	34 (26-42)	26 (20-34)	21 (15-29)	18 (13-25)	15 (11-22)	13 (9.3-20)	12 (8.1-18)	11 (7.3-16)
5	74 (68-78)	65 (57-70)	54 (47-61)	44 (37-51)	35 (29-42)	28 (23-35)	24 (20-30)	20 (17-26)	18 (15-23)	16 (13-21)	14 (11-19)
6	80	74	65	55	45	37	31	26	23	20	18

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

**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	22	17	13	10	7.7	6.5	5.5	4.8	4.2	3.7	3.3
1	33 (26-49)	25 (20-38)	19 (15-29)	15 (11-21)	11 (8.3-16)	9.2 (6.7-12)	7.7 (5.6-9.5)	6.5 (4.7-7.6)	5.6 (4.0-6.6)	4.9 (3.5-5.9)	4.3 (3.1-5.2)
2	45 (33-61)	36 (25-51)	28 (19-41)	21 (14-31)	16 (11-24)	13 (8.6-18)	11 (7.0-15)	8.9 (5.9-12)	7.6 (5.0-9.9)	6.5 (4.3-8.8)	5.7 (3.7-7.9)
3	57 (42-70)	48 (33-61)	39 (25-51)	30 (19-41)	23 (14-32)	19 (11-26)	15 (9.3-21)	12 (7.7-17)	10 (6.5-14)	8.7 (5.6-12)	7.5 (4.9-10)
4	68 (53-76)	60 (43-70)	51 (34-61)	41 (27-51)	32 (21-41)	26 (17-33)	21 (14-27)	17 (12-22)	14 (9.7-19)	12 (8.4-16)	9.8 (7.3-14)
5	76 (62-81)	70 (54-76)	62 (45-69)	53 (37-60)	44 (29-50)	36 (24-42)	29 (20-34)	23 (17-28)	19 (15-23)	16 (13-20)	13 (11-17)
6	82	78	72	65	56	47	39	32	26	21	17

**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	16	12	9.3	7.4	6.2	5.3	4.5	3.9	3.4	3.0
1	29 (23-45)	23 (18-36)	18 (13-28)	14 (10-21)	11 (7.9-16)	8.9 (6.4-13)	7.4 (5.3-9.9)	6.2 (4.4-7.9)	5.3 (3.7-6.4)	4.5 (3.2-5.2)	3.9 (2.7-4.5)
2	40 (30-56)	32 (23-47)	26 (18-38)	20 (13-30)	16 (10-23)	13 (8.4-19)	10 (6.8-15)	8.6 (5.6-12)	7.2 (4.7-9.7)	6.1 (4.0-8.0)	5.2 (3.4-6.6)
3	52 (37-66)	43 (30-57)	35 (23-48)	28 (18-39)	22 (14-31)	18 (11-25)	15 (9.1-20)	12 (7.4-17)	9.8 (6.2-14)	8.2 (5.2-11)	6.9 (4.4-9.6)
4	62 (46-72)	55 (38-65)	47 (30-57)	38 (24-48)	31 (19-39)	25 (15-32)	20 (13-26)	17 (11-22)	14 (9.0-18)	11 (7.6-15)	9.2 (6.5-12)
5	72 (55-77)	65 (47-72)	58 (39-65)	49 (32-56)	41 (26-48)	34 (22-40)	28 (18-33)	23 (15-28)	19 (13-23)	15 (11-19)	12 (9.5-16)
6	78	74	68	61	53	45	38	31	25	21	17

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

**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	17	13	10	8.3	6.9	5.8	5.0	4.3	3.7	3.2	2.7
1	24 (18-37)	19 (14-30)	15 (11-23)	12 (8.5-18)	9.8 (7.0-15)	8.2 (5.8-12)	6.9 (4.8-9.6)	5.8 (4.1-7.8)	5.0 (3.4-6.4)	4.2 (2.9-5.2)	3.6 (2.5-4.3)
2	33 (23-47)	27 (18-39)	22 (14-32)	17 (11-25)	14 (9.2-21)	12 (7.6-17)	9.7 (6.3-14)	8.1 (5.2-11)	6.8 (4.4-9.4)	5.7 (3.7-7.7)	4.9 (3.1-6.4)
3	43 (30-56)	36 (24-48)	30 (19-41)	24 (15-33)	20 (12-28)	16 (10-23)	14 (8.4-19)	11 (6.9-16)	9.4 (5.8-13)	7.8 (4.9-11)	6.6 (4.1-9.2)
4	54 (38-64)	47 (31-57)	39 (25-49)	33 (20-41)	27 (17-35)	23 (14-29)	19 (12-24)	16 (9.8-20)	13 (8.2-17)	11 (6.9-14)	8.9 (5.9-12)
5	64 (46-70)	57 (39-64)	50 (33-57)	43 (27-49)	37 (22-43)	31 (19-37)	26 (16-31)	22 (14-26)	18 (12-22)	15 (9.9-18)	12 (8.5-15)
6	72	67	61	54	47	41	35	29	24	20	17

**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	12	9.8	7.8	6.3	5.4	4.5	3.9	3.3	2.8	2.4	2.0
1	18 (13-27)	14 (10-22)	11 (8.1-18)	9.2 (6.5-14)	7.7 (5.4-12)	6.5 (4.6-9.6)	5.5 (3.8-7.9)	4.6 (3.2-6.5)	3.9 (2.7-5.3)	3.3 (2.3-4.4)	2.8 (1.9-3.6)
2	25 (17-36)	20 (13-30)	16 (11-24)	13 (8.6-20)	11 (7.2-17)	9.3 (6.0-14)	7.8 (5.0-12)	6.6 (4.2-9.5)	5.5 (3.5-7.9)	4.6 (3.0-6.6)	3.9 (2.5-5.4)
3	33 (22-45)	28 (18-38)	23 (14-32)	19 (12-27)	16 (9.6-22)	13 (8.0-19)	11 (6.7-16)	9.3 (5.6-13)	7.8 (4.7-11)	6.5 (3.9-9.2)	5.4 (3.3-7.7)
4	43 (29-53)	37 (24-47)	31 (19-40)	26 (16-34)	22 (13-29)	19 (11-24)	16 (9.4-21)	13 (8.0-17)	11 (6.7-15)	9.2 (5.7-12)	7.6 (4.8-10)
5	54 (36-61)	48 (31-54)	41 (26-48)	35 (21-42)	31 (18-36)	26 (16-31)	22 (13-27)	19 (11-23)	16 (9.5-19)	13 (8.1-16)	11 (6.9-13)
6	63	58	52	46	41	35	30	26	22	18	15