

Thailand - The probabilities of a hip fracture in men

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 Thailand. 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/m ²)						
	15	20	25	30	35	40	45
0	0.3	0.2	0.1	0.1	0.1	0.0	0.0
1	0.5 (0.4-1.1)	0.3 (0.2-0.6)	0.2 (0.1-0.4)	0.1 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
2	1.1 (0.5-2.2)	0.6 (0.3-1.3)	0.3 (0.2-0.7)	0.3 (0.1-0.6)	0.2 (0.1-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.3)
3	1.9 (0.8-3.8)	1.1 (0.5-2.3)	0.7 (0.3-1.3)	0.5 (0.2-1.0)	0.4 (0.2-0.8)	0.3 (0.1-0.6)	0.2 (0.1-0.5)
4	3.4 (1.4-5.7)	2.1 (0.8-3.4)	1.2 (0.5-2.0)	0.9 (0.4-1.5)	0.7 (0.3-1.2)	0.6 (0.2-0.9)	0.4 (0.2-0.7)
5	6.0 (2.7-7.8)	3.7 (1.6-4.9)	2.1 (1.0-2.9)	1.7 (0.7-2.2)	1.3 (0.6-1.7)	1.0 (0.4-1.3)	0.8 (0.3-1.0)
6	10	6.3	3.8	2.9	2.3	1.7	1.3

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

Age = 55 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	0.5	0.3	0.2	0.1	0.1	0.1	0.1
1	1.0 (0.7-1.7)	0.6 (0.4-1.0)	0.3 (0.2-0.6)	0.3 (0.2-0.5)	0.2 (0.1-0.4)	0.1 (0.1-0.3)	0.1 (0.1-0.2)
2	1.7 (0.9-3.2)	1.1 (0.6-2.0)	0.6 (0.3-1.2)	0.5 (0.3-0.9)	0.4 (0.2-0.7)	0.3 (0.2-0.6)	0.2 (0.1-0.4)
3	3.1 (1.4-5.6)	1.9 (0.9-3.5)	1.1 (0.5-2.1)	0.9 (0.4-1.6)	0.7 (0.3-1.3)	0.5 (0.2-1.0)	0.4 (0.2-0.7)
4	5.3 (2.5-8.4)	3.3 (1.5-5.3)	2.0 (0.9-3.2)	1.5 (0.7-2.5)	1.2 (0.5-1.9)	0.9 (0.4-1.5)	0.7 (0.3-1.1)
5	8.8 (4.5-11)	5.7 (2.9-7.3)	3.5 (1.8-4.5)	2.7 (1.4-3.5)	2.1 (1.1-2.7)	1.6 (0.8-2.1)	1.2 (0.6-1.6)
6	14	9.5	5.9	4.6	3.5	2.7	2.1

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	0.9	0.5	0.3	0.3	0.2	0.2	0.1
1	1.5 (1.1-2.5)	1.0 (0.7-1.6)	0.6 (0.4-1.0)	0.5 (0.3-0.7)	0.3 (0.3-0.6)	0.3 (0.2-0.4)	0.2 (0.2-0.3)
2	2.6 (1.5-4.4)	1.7 (1.0-3.0)	1.1 (0.6-1.9)	0.8 (0.5-1.4)	0.6 (0.4-1.1)	0.5 (0.3-0.8)	0.4 (0.2-0.6)
3	4.4 (2.3-7.6)	2.9 (1.5-5.2)	1.8 (0.9-3.3)	1.4 (0.7-2.5)	1.1 (0.6-1.9)	0.8 (0.4-1.5)	0.6 (0.3-1.1)
4	7.2 (3.9-11)	5.0 (2.6-7.7)	3.2 (1.6-4.9)	2.4 (1.3-3.8)	1.9 (1.0-2.9)	1.4 (0.7-2.3)	1.1 (0.6-1.7)
5	11 (6.7-14)	8.1 (4.8-10)	5.3 (3.1-6.7)	4.1 (2.4-5.2)	3.1 (1.8-4.0)	2.4 (1.4-3.1)	1.9 (1.1-2.4)
6	18	13	8.7	6.8	5.2	4.0	3.1

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

Age = 65 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	1.3	0.9	0.6	0.4	0.3	0.3	0.2
1	2.2 (1.7-3.3)	1.5 (1.2-2.2)	1.0 (0.7-1.4)	0.7 (0.6-1.1)	0.6 (0.4-0.8)	0.4 (0.3-0.6)	0.3 (0.3-0.5)
2	3.6 (2.2-5.7)	2.5 (1.6-3.9)	1.7 (1.0-2.6)	1.3 (0.8-2.0)	1.0 (0.6-1.5)	0.7 (0.5-1.2)	0.6 (0.4-0.9)
3	5.7 (3.3-9.1)	4.1 (2.4-6.7)	2.8 (1.6-4.6)	2.1 (1.2-3.5)	1.6 (0.9-2.7)	1.2 (0.7-2.1)	0.9 (0.5-1.6)
4	8.9 (5.2-13)	6.6 (4.0-10)	4.6 (2.7-6.9)	3.5 (2.1-5.3)	2.7 (1.6-4.1)	2.0 (1.2-3.1)	1.6 (0.9-2.4)
5	13 (8.9-17)	10 (6.9-13)	7.3 (4.9-9.0)	5.6 (3.7-6.9)	4.3 (2.9-5.3)	3.3 (2.2-4.1)	2.5 (1.7-3.1)
6	20	16	12	9.0	6.9	5.3	4.0

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	1.9	1.4	1.0	0.7	0.6	0.4	0.3
1	3.2 (2.2-3.9)	2.4 (1.7-2.9)	1.7 (1.3-2.0)	1.3 (1.0-1.6)	1.0 (0.7-1.2)	0.7 (0.5-0.9)	0.6 (0.4-0.7)
2	5.2 (3.3-8.0)	4.1 (2.6-6.1)	2.9 (1.9-4.3)	2.2 (1.4-3.3)	1.7 (1.1-2.5)	1.3 (0.8-1.9)	1.0 (0.6-1.4)
3	8.5 (4.9-13)	6.8 (4.1-10)	5.0 (3.2-7.4)	3.8 (2.4-5.7)	2.9 (1.8-4.4)	2.2 (1.4-3.3)	1.7 (1.0-2.5)
4	13 (8.4-19)	11 (7.0-16)	8.4 (5.5-12)	6.5 (4.2-9.5)	4.9 (3.1-7.3)	3.7 (2.4-5.6)	2.8 (1.8-4.3)
5	20 (16-26)	17 (14-22)	14 (11-18)	11 (8.5-14)	8.1 (6.5-11)	6.2 (4.9-8.3)	4.7 (3.7-6.4)
6	29	25	21	17	13	10	7.7

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

Age = 75 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	2.7	2.1	1.6	1.2	0.9	0.7	0.5
1	4.8 (3.1-8.8)	4.0 (2.6-7.2)	3.0 (2.0-5.4)	2.3 (1.5-4.1)	1.7 (1.1-3.1)	1.3 (0.8-2.4)	1.0 (0.6-1.8)
2	8.3 (4.4-15)	7.0 (3.7-12)	5.4 (3.0-9.5)	4.1 (2.3-7.3)	3.1 (1.7-5.6)	2.4 (1.3-4.2)	1.8 (1.0-3.2)
3	14 (6.5-23)	12 (5.6-20)	9.4 (4.6-16)	7.2 (3.5-12)	5.5 (2.6-9.5)	4.2 (2.0-7.3)	3.2 (1.5-5.6)
4	21 (11-31)	18 (9.4-28)	16 (7.9-23)	12 (6.0-18)	9.4 (4.6-14)	7.2 (3.4-11)	5.5 (2.6-8.6)
5	31 (18-39)	27 (16-36)	24 (14-32)	19 (10-26)	15 (8.0-21)	12 (6.1-16)	9.0 (4.6-13)
6	42	39	35	29	23	18	14

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	3.7	2.9	2.2	1.7	1.3	1.0	0.7
1	6.5 (4.3-12)	5.3 (3.5-9.7)	4.1 (2.7-7.4)	3.1 (2.1-5.7)	2.3 (1.6-4.3)	1.8 (1.2-3.3)	1.3 (0.9-2.5)
2	11 (6.2-19)	9.0 (5.2-16)	7.1 (4.1-13)	5.4 (3.1-9.7)	4.1 (2.4-7.4)	3.1 (1.8-5.7)	2.4 (1.3-4.3)
3	17 (9.1-27)	15 (7.7-23)	12 (6.3-19)	9.1 (4.8-15)	7.0 (3.6-11)	5.3 (2.7-8.7)	4.1 (2.0-6.7)
4	25 (14-36)	22 (12-31)	19 (9.6-27)	15 (7.3-21)	11 (5.5-17)	8.8 (4.2-13)	6.7 (3.1-10)
5	35 (21-44)	32 (19-40)	28 (16-36)	23 (12-29)	18 (9.4-24)	14 (7.2-19)	11 (5.4-15)
6	47	43	39	33	27	21	17

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

Age = 85 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	3.9	3.1	2.4	1.8	1.4	1.0	0.8
1	6.9 (4.5-12)	5.6 (3.7-10)	4.3 (2.9-8.0)	3.3 (2.2-6.1)	2.5 (1.6-4.6)	1.9 (1.2-3.5)	1.4 (0.9-2.6)
2	11 (6.7-20)	9.4 (5.5-17)	7.5 (4.4-13)	5.8 (3.3-10)	4.4 (2.5-7.9)	3.3 (1.9-6.1)	2.5 (1.4-4.6)
3	18 (9.8-28)	15 (8.1-24)	12 (6.6-20)	9.6 (5.0-15)	7.4 (3.8-12)	5.6 (2.9-9.2)	4.3 (2.1-7.0)
4	27 (14-37)	23 (12-32)	20 (10-28)	15 (7.7-22)	12 (5.8-17)	9.3 (4.4-14)	7.1 (3.3-11)
5	37 (23-46)	33 (20-42)	29 (16-37)	23 (13-30)	19 (9.8-24)	15 (7.5-19)	11 (5.7-15)
6	48	45	41	34	28	22	18

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	3.8	3.0	2.2	1.7	1.3	1.0	0.7
1	6.7 (4.4-12)	5.3 (3.6-9.7)	4.1 (2.8-7.5)	3.1 (2.1-5.7)	2.4 (1.6-4.4)	1.8 (1.2-3.3)	1.3 (0.9-2.5)
2	11 (6.5-20)	9.1 (5.3-16)	7.2 (4.2-13)	5.5 (3.2-9.8)	4.2 (2.4-7.5)	3.1 (1.8-5.7)	2.4 (1.3-4.4)
3	18 (9.5-27)	15 (7.9-23)	12 (6.4-19)	9.2 (4.8-15)	7.1 (3.7-11)	5.4 (2.8-8.8)	4.1 (2.1-6.7)
4	26 (14-36)	23 (12-32)	19 (9.7-27)	15 (7.4-21)	12 (5.6-17)	8.9 (4.2-13)	6.8 (3.2-10)
5	36 (22-44)	32 (19-41)	28 (16-36)	23 (12-29)	18 (9.5-24)	14 (7.3-19)	11 (5.5-15)
6	46	44	40	33	27	22	17

Thailand - 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 Thailand. 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/m ²)						
	15	20	25	30	35	40	45
0	0.5	0.3	0.1	0.1	0.1	0.1	0.1
1	1.0 (0.7-2.0)	0.5 (0.4-1.1)	0.3 (0.2-0.6)	0.2 (0.2-0.5)	0.2 (0.1-0.4)	0.1 (0.1-0.3)	0.1 (0.1-0.2)
2	2.0 (1.0-4.2)	1.1 (0.5-2.3)	0.6 (0.3-1.2)	0.5 (0.2-1.0)	0.4 (0.2-0.8)	0.3 (0.1-0.6)	0.2 (0.1-0.5)
3	3.7 (1.5-7.3)	2.0 (0.8-4.0)	1.1 (0.4-2.2)	0.9 (0.3-1.7)	0.7 (0.3-1.3)	0.5 (0.2-1.0)	0.4 (0.2-0.8)
4	6.7 (2.6-11)	3.7 (1.4-6.1)	2.0 (0.8-3.3)	1.6 (0.6-2.6)	1.2 (0.5-2.0)	1.0 (0.4-1.6)	0.7 (0.3-1.2)
5	12 (5.5-16)	6.7 (3.0-9.0)	3.7 (1.7-5.0)	2.9 (1.3-3.9)	2.2 (1.0-3.0)	1.7 (0.8-2.3)	1.3 (0.6-1.8)
6	20	12	6.5	5.1	3.9	3.1	2.4

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

Age = 55 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	1.0	0.5	0.3	0.2	0.2	0.1	0.1
1	1.8 (1.3-3.2)	1.0 (0.7-1.8)	0.6 (0.4-1.0)	0.4 (0.3-0.8)	0.3 (0.2-0.6)	0.3 (0.2-0.5)	0.2 (0.1-0.4)
2	3.4 (1.9-6.7)	1.9 (1.0-3.7)	1.0 (0.6-2.1)	0.8 (0.4-1.6)	0.6 (0.3-1.2)	0.5 (0.3-1.0)	0.4 (0.2-0.8)
3	6.2 (2.8-12)	3.5 (1.6-6.5)	1.9 (0.9-3.6)	1.5 (0.7-2.8)	1.2 (0.5-2.2)	0.9 (0.4-1.7)	0.7 (0.3-1.3)
4	11 (5.0-17)	6.2 (2.8-9.8)	3.5 (1.5-5.5)	2.7 (1.2-4.3)	2.1 (0.9-3.3)	1.6 (0.7-2.6)	1.3 (0.6-2.0)
5	18 (10-24)	11 (5.7-14)	6.1 (3.2-8.1)	4.8 (2.5-6.3)	3.7 (1.9-4.9)	2.9 (1.5-3.8)	2.2 (1.2-3.0)
6	30	18	10	8.2	6.4	5.0	3.9

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	1.8	1.0	0.6	0.4	0.3	0.3	0.2
1	3.3 (2.4-5.2)	1.9 (1.3-3.0)	1.0 (0.7-1.6)	0.8 (0.6-1.3)	0.6 (0.4-1.0)	0.5 (0.3-0.8)	0.4 (0.3-0.6)
2	5.9 (3.5-10)	3.4 (2.0-6.0)	1.9 (1.1-3.4)	1.5 (0.9-2.7)	1.1 (0.7-2.1)	0.9 (0.5-1.6)	0.7 (0.4-1.2)
3	10 (5.2-17)	5.9 (3.0-10)	3.4 (1.7-6.0)	2.6 (1.3-4.7)	2.0 (1.0-3.6)	1.6 (0.8-2.8)	1.2 (0.6-2.2)
4	17 (9.1-25)	10 (5.2-15)	5.9 (2.9-9.0)	4.6 (2.3-7.0)	3.6 (1.8-5.5)	2.8 (1.4-4.3)	2.1 (1.1-3.3)
5	27 (17-34)	17 (10-22)	10 (6.1-13)	7.8 (4.7-10)	6.1 (3.7-8.0)	4.8 (2.9-6.2)	3.7 (2.2-4.8)
6	41	27	17	13	10	8.1	6.3

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

Age = 65 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	3.2	1.8	1.0	0.8	0.6	0.5	0.4
1	5.4 (4.1-7.7)	3.2 (2.4-4.5)	1.8 (1.4-2.6)	1.4 (1.1-2.0)	1.1 (0.8-1.6)	0.9 (0.6-1.2)	0.7 (0.5-0.9)
2	9.1 (5.8-14)	5.5 (3.5-8.9)	3.2 (2.0-5.3)	2.5 (1.6-4.1)	1.9 (1.2-3.2)	1.5 (0.9-2.5)	1.1 (0.7-1.9)
3	15 (8.6-23)	9.3 (5.2-15)	5.5 (3.0-9.1)	4.3 (2.4-7.1)	3.3 (1.8-5.5)	2.6 (1.4-4.3)	2.0 (1.1-3.3)
4	23 (15-33)	15 (9.1-22)	9.2 (5.3-14)	7.2 (4.1-11)	5.6 (3.2-8.3)	4.3 (2.5-6.5)	3.4 (1.9-5.0)
5	35 (25-41)	24 (17-29)	15 (11-19)	12 (8.2-15)	9.3 (6.4-12)	7.2 (5.0-9.2)	5.6 (3.8-7.1)
6	49	36	24	19	15	12	9.3

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	5.1	3.2	1.9	1.5	1.1	0.9	0.7
1	8.9 (6.8-11)	5.7 (4.4-6.8)	3.5 (2.7-4.1)	2.7 (2.1-3.1)	2.1 (1.6-2.4)	1.6 (1.2-1.9)	1.2 (1.0-1.4)
2	15 (10-21)	10 (6.7-14)	6.2 (4.1-8.5)	4.8 (3.2-6.6)	3.7 (2.5-5.1)	2.9 (1.9-4.0)	2.2 (1.5-3.1)
3	24 (16-33)	17 (11-24)	11 (7.2-16)	8.5 (5.6-12)	6.6 (4.3-9.7)	5.1 (3.3-7.6)	3.9 (2.6-5.9)
4	36 (26-47)	27 (20-37)	18 (13-26)	15 (10-21)	11 (8.1-16)	8.9 (6.2-13)	6.9 (4.8-10)
5	50 (44-58)	41 (35-49)	30 (26-36)	24 (20-30)	19 (16-24)	15 (13-19)	12 (9.9-15)
6	63	56	45	38	31	25	20

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

Age = 75 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	7.7	5.3	3.4	2.6	2.0	1.5	1.2
1	14 (9.5-23)	9.9 (6.9-17)	6.5 (4.6-11)	5.0 (3.5-8.7)	3.9 (2.7-6.7)	3.0 (2.1-5.2)	2.3 (1.6-4.0)
2	23 (14-36)	17 (10-28)	12 (6.9-20)	9.3 (5.3-15)	7.2 (4.1-12)	5.6 (3.1-9.4)	4.3 (2.4-7.2)
3	34 (20-51)	28 (16-42)	21 (12-32)	16 (9.2-26)	13 (7.1-20)	10 (5.5-16)	7.8 (4.2-13)
4	47 (31-61)	42 (26-56)	33 (20-47)	27 (16-39)	22 (12-32)	17 (9.5-26)	14 (7.3-21)
5	60 (44-69)	56 (39-65)	49 (32-59)	41 (26-51)	34 (21-43)	28 (16-36)	23 (13-29)
6	71	68	64	57	50	42	35

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	9.4	6.8	4.6	3.5	2.7	2.1	1.6
1	16 (11-27)	12 (8.6-21)	8.5 (6.1-15)	6.6 (4.7-12)	5.0 (3.6-9.0)	3.9 (2.7-7.0)	3.0 (2.1-5.4)
2	25 (16-40)	20 (13-33)	15 (9.1-24)	12 (7.0-19)	9.0 (5.4-15)	7.0 (4.1-12)	5.4 (3.1-9.2)
3	37 (23-51)	31 (19-45)	24 (14-37)	19 (11-31)	15 (8.2-25)	12 (6.3-20)	9.3 (4.8-15)
4	49 (32-62)	44 (27-56)	37 (22-49)	30 (17-42)	25 (13-35)	20 (10-28)	16 (8.0-22)
5	61 (45-69)	57 (40-66)	51 (34-61)	44 (27-53)	37 (22-45)	30 (17-38)	24 (13-31)
6	70	68	65	58	51	43	36

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

Age = 85 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	8.8	6.7	4.8	3.7	2.8	2.1	1.6
1	15 (10-26)	12 (8.2-21)	8.7 (6.1-15)	6.7 (4.7-12)	5.2 (3.6-9.3)	3.9 (2.7-7.2)	3.0 (2.0-5.5)
2	24 (15-38)	19 (12-32)	15 (9.1-25)	12 (7.0-20)	9.1 (5.4-16)	7.0 (4.1-12)	5.3 (3.1-9.4)
3	34 (21-49)	30 (18-43)	24 (14-36)	19 (11-30)	15 (8.2-24)	12 (6.3-19)	9.1 (4.8-15)
4	47 (30-59)	42 (25-54)	36 (21-48)	30 (16-40)	24 (13-33)	19 (9.9-27)	15 (7.5-22)
5	58 (42-66)	54 (38-63)	49 (32-59)	42 (26-51)	35 (21-44)	29 (16-37)	23 (13-30)
6	68	66	62	56	48	41	34

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	7.4	5.6	4.1	3.1	2.4	1.8	1.4
1	13 (8.8-22)	10 (6.9-18)	7.4 (5.2-13)	5.7 (3.9-10)	4.3 (3.0-7.9)	3.3 (2.3-6.1)	2.5 (1.7-4.6)
2	20 (13-34)	17 (10-28)	13 (7.7-22)	9.9 (5.9-17)	7.7 (4.5-13)	5.9 (3.4-10)	4.5 (2.6-8.0)
3	30 (18-44)	26 (15-38)	21 (12-32)	16 (9.0-26)	13 (6.9-21)	10 (5.2-16)	7.7 (4.0-13)
4	42 (26-54)	37 (22-49)	32 (18-43)	26 (14-36)	21 (11-29)	16 (8.3-23)	13 (6.3-19)
5	53 (38-61)	50 (33-59)	44 (28-54)	38 (22-46)	31 (18-39)	25 (14-32)	20 (11-26)
6	62	61	58	51	43	36	30

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 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 Thailand. 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/m ²)						
	15	20	25	30	35	40	45
0	1.5	1.4	1.4	1.2	1.1	0.9	0.8
1	2.3 (1.6-3.5)	2.3 (1.5-3.2)	2.2 (1.5-3.1)	1.9 (1.3-2.7)	1.7 (1.1-2.3)	1.5 (1.0-2.0)	1.3 (0.8-1.8)
2	3.7 (2.0-6.3)	3.5 (1.8-6.1)	3.4 (1.8-6.0)	3.0 (1.5-5.2)	2.6 (1.3-4.6)	2.2 (1.2-4.0)	1.9 (1.0-3.5)
3	5.7 (2.9-9.9)	5.3 (2.6-9.6)	5.2 (2.5-9.4)	4.5 (2.1-8.2)	3.9 (1.8-7.2)	3.4 (1.6-6.2)	2.9 (1.4-5.4)
4	8.8 (4.6-14)	8.1 (4.2-13)	7.7 (3.9-13)	6.6 (3.4-11)	5.7 (2.9-9.6)	5.0 (2.5-8.4)	4.3 (2.2-7.3)
5	13 (7.9-18)	12 (7.6-16)	11 (7.5-15)	9.7 (6.5-13)	8.4 (5.6-12)	7.3 (4.9-10)	6.3 (4.2-8.8)
6	19	17	16	14	12	10	9.0

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

Age = 55 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	1.8	1.8	1.7	1.5	1.3	1.1	1.0
1	2.9 (2.0-4.3)	2.7 (1.8-3.9)	2.7 (1.8-3.7)	2.3 (1.5-3.2)	2.0 (1.3-2.7)	1.7 (1.2-2.4)	1.5 (1.0-2.0)
2	4.6 (2.5-7.5)	4.2 (2.3-7.2)	4.1 (2.2-7.0)	3.5 (1.9-6.1)	3.0 (1.6-5.3)	2.6 (1.4-4.6)	2.3 (1.2-4.0)
3	7.1 (3.8-11)	6.5 (3.4-11)	6.2 (3.1-11)	5.3 (2.6-9.5)	4.6 (2.3-8.2)	3.9 (1.9-7.1)	3.4 (1.7-6.2)
4	11 (6.1-16)	9.7 (5.4-15)	9.1 (4.9-15)	7.9 (4.2-13)	6.7 (3.6-11)	5.8 (3.0-9.6)	5.0 (2.6-8.3)
5	16 (9.8-21)	14 (9.3-19)	13 (9.0-18)	11 (7.7-16)	9.8 (6.6-13)	8.4 (5.7-12)	7.3 (4.9-10)
6	23	21	19	16	14	12	10

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	2.3	2.2	2.2	1.9	1.6	1.4	1.2
1	3.6 (2.5-5.3)	3.4 (2.3-4.8)	3.4 (2.3-4.6)	2.9 (1.9-3.9)	2.5 (1.7-3.3)	2.1 (1.4-2.9)	1.8 (1.2-2.5)
2	5.6 (3.3-8.8)	5.3 (3.0-8.6)	5.1 (2.8-8.5)	4.3 (2.4-7.4)	3.7 (2.0-6.4)	3.2 (1.7-5.5)	2.7 (1.5-4.8)
3	8.5 (5.0-13)	7.9 (4.5-13)	7.6 (4.0-13)	6.5 (3.4-11)	5.5 (2.9-9.5)	4.7 (2.4-8.2)	4.0 (2.1-7.1)
4	13 (7.7-19)	12 (6.9-18)	11 (6.4-18)	9.5 (5.3-15)	8.1 (4.5-13)	6.9 (3.7-11)	5.9 (3.1-9.6)
5	18 (12-24)	17 (11-22)	16 (11-21)	14 (9.4-18)	12 (8.0-16)	9.9 (6.8-14)	8.4 (5.8-12)
6	25	24	23	19	16	14	12

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

Age = 65 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	2.8	2.7	2.7	2.3	2.0	1.7	1.4
1	4.3 (3.0-6.0)	4.2 (2.9-5.7)	4.1 (2.8-5.5)	3.5 (2.4-4.6)	2.9 (2.0-3.9)	2.5 (1.7-3.3)	2.1 (1.4-2.8)
2	6.4 (4.0-9.7)	6.2 (3.8-9.8)	6.1 (3.6-9.9)	5.2 (3.0-8.5)	4.4 (2.5-7.3)	3.7 (2.1-6.3)	3.1 (1.8-5.4)
3	9.5 (5.8-14)	9.2 (5.5-14)	9.0 (5.2-14)	7.6 (4.3-12)	6.4 (3.6-11)	5.4 (3.0-9.0)	4.6 (2.5-7.7)
4	14 (8.8-19)	13 (8.5-19)	13 (7.9-20)	11 (6.5-17)	9.2 (5.4-14)	7.8 (4.4-12)	6.5 (3.6-11)
5	19 (13-25)	19 (13-25)	18 (13-24)	15 (11-21)	13 (9.2-18)	11 (7.7-15)	9.2 (6.5-13)
6	26	25	25	21	18	15	13

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	3.3	3.3	3.3	2.8	2.3	2.0	1.7
1	5.0 (3.4-6.4)	4.9 (3.4-6.4)	4.9 (3.4-6.4)	4.0 (2.8-5.4)	3.4 (2.3-4.5)	2.8 (1.9-3.8)	2.3 (1.6-3.2)
2	7.5 (4.6-11)	7.2 (4.5-11)	7.1 (4.4-10)	5.8 (3.6-8.7)	4.8 (3.0-7.3)	4.0 (2.5-6.1)	3.3 (2.0-5.1)
3	11 (6.4-17)	11 (6.3-16)	10 (6.3-15)	8.4 (5.1-13)	6.9 (4.2-10)	5.7 (3.4-8.7)	4.7 (2.8-7.3)
4	16 (10-23)	15 (9.8-22)	15 (9.5-22)	12 (7.7-18)	10 (6.2-15)	8.2 (5.0-12)	6.7 (4.1-10)
5	23 (19-30)	22 (17-29)	21 (16-28)	17 (13-23)	14 (11-19)	12 (8.7-16)	9.5 (7.0-13)
6	32	30	29	24	20	16	13

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

Age = 75 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	4.0	3.9	3.9	3.2	2.7	2.2	1.8
1	6.4 (4.1-10)	6.1 (4.1-8.9)	5.9 (4.1-7.8)	4.8 (3.3-6.2)	3.9 (2.7-4.9)	3.2 (2.2-4.0)	2.6 (1.8-3.3)
2	10 (5.6-17)	9.5 (5.5-15)	8.9 (5.4-14)	7.2 (4.4-11)	5.8 (3.5-8.8)	4.7 (2.8-7.1)	3.8 (2.3-5.7)
3	15 (7.9-25)	14 (7.6-23)	13 (7.6-21)	11 (6.1-17)	8.7 (4.8-13)	7.0 (3.9-11)	5.6 (3.1-8.7)
4	23 (13-33)	21 (12-31)	20 (12-28)	16 (9.2-23)	13 (7.4-19)	10 (5.9-15)	8.3 (4.7-12)
5	32 (21-41)	30 (20-39)	28 (19-36)	23 (16-31)	19 (13-25)	15 (10-21)	12 (8.3-17)
6	43	41	39	32	27	22	18

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	4.7	4.4	4.2	3.4	2.7	2.2	1.8
1	7.6 (5.1-13)	6.9 (4.7-11)	6.4 (4.4-9.4)	5.1 (3.5-7.4)	4.1 (2.8-5.8)	3.3 (2.2-4.6)	2.6 (1.8-3.6)
2	12 (7.1-20)	11 (6.5-18)	9.8 (6.1-15)	7.8 (4.8-12)	6.2 (3.8-9.3)	5.0 (3.0-7.3)	3.9 (2.4-5.8)
3	18 (10-28)	17 (9.2-25)	15 (8.5-22)	12 (6.7-18)	9.4 (5.3-14)	7.5 (4.2-11)	5.9 (3.3-9.1)
4	27 (15-37)	24 (14-33)	22 (13-30)	18 (11-25)	14 (8.3-20)	11 (6.6-16)	8.8 (5.1-13)
5	36 (23-45)	34 (21-42)	31 (20-39)	25 (16-33)	21 (13-27)	16 (10-22)	13 (8.2-18)
6	47	45	42	35	29	24	19

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

Age = 85 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	4.7	4.4	4.2	3.4	2.7	2.2	1.8
1	7.8 (5.2-13)	7.0 (4.7-11)	6.5 (4.4-9.7)	5.2 (3.5-7.7)	4.1 (2.7-6.0)	3.3 (2.2-4.7)	2.6 (1.7-3.7)
2	12 (7.3-21)	11 (6.6-18)	10 (6.1-15)	7.9 (4.8-12)	6.3 (3.8-9.6)	5.0 (3.0-7.5)	3.9 (2.3-5.9)
3	19 (11-29)	17 (9.3-26)	15 (8.5-23)	12 (6.7-18)	9.5 (5.2-15)	7.5 (4.1-12)	5.9 (3.2-9.2)
4	28 (16-38)	25 (14-34)	22 (13-31)	18 (10-25)	14 (8.3-20)	11 (6.5-16)	8.9 (5.1-13)
5	38 (24-46)	35 (22-43)	31 (20-39)	26 (16-33)	21 (13-27)	17 (10-22)	13 (8.0-18)
6	49	46	42	36	30	24	19

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	4.5	4.1	3.8	3.1	2.5	2.0	1.6
1	7.5 (5.0-13)	6.6 (4.5-11)	6.0 (4.1-9.1)	4.8 (3.2-7.1)	3.8 (2.5-5.6)	3.0 (2.0-4.3)	2.4 (1.6-3.4)
2	12 (7.1-20)	11 (6.3-17)	9.4 (5.7-15)	7.4 (4.5-11)	5.8 (3.5-9.0)	4.6 (2.8-7.0)	3.6 (2.2-5.5)
3	18 (10-28)	16 (9.0-25)	14 (8.1-22)	11 (6.4-17)	9.0 (5.0-14)	7.1 (3.9-11)	5.6 (3.0-8.6)
4	27 (15-37)	24 (14-33)	21 (13-30)	17 (10-24)	14 (7.9-19)	11 (6.2-16)	8.5 (4.9-12)
5	37 (23-45)	34 (21-42)	30 (19-38)	25 (15-32)	20 (12-26)	16 (9.7-21)	13 (7.7-17)
6	47	45	41	35	29	23	19

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 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 Thailand. 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/m ²)						
	15	20	25	30	35	40	45
0	2.2	2.0	1.9	1.6	1.4	1.2	1.1
1	3.5 (2.4-5.3)	3.1 (2.1-4.5)	2.9 (2.0-4.1)	2.5 (1.7-3.5)	2.2 (1.5-3.1)	1.9 (1.3-2.7)	1.7 (1.1-2.3)
2	5.7 (3.1-9.3)	5.0 (2.7-8.3)	4.5 (2.4-7.8)	3.9 (2.1-6.8)	3.4 (1.8-6.0)	3.0 (1.6-5.2)	2.6 (1.4-4.6)
3	9.2 (4.6-16)	7.7 (3.8-14)	6.9 (3.3-13)	6.0 (2.9-11)	5.2 (2.5-9.7)	4.6 (2.2-8.5)	4.0 (1.9-7.4)
4	14 (7.9-22)	12 (6.5-19)	10 (5.6-17)	9.1 (4.8-15)	7.9 (4.1-13)	6.9 (3.6-11)	6.0 (3.1-10)
5	22 (13-28)	18 (11-23)	16 (10-21)	13 (9.0-18)	12 (7.8-16)	10 (6.8-14)	8.8 (6.0-12)
6	33	27	23	20	17	15	13

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

Age = 55 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	3.1	2.7	2.5	2.2	1.9	1.6	1.4
1	5.0 (3.5-7.3)	4.3 (3.0-6.1)	3.9 (2.7-5.4)	3.4 (2.3-4.6)	3.0 (2.0-4.0)	2.6 (1.7-3.5)	2.2 (1.5-3.0)
2	8.1 (4.7-13)	6.8 (3.8-11)	6.1 (3.3-10)	5.2 (2.8-8.8)	4.6 (2.5-7.7)	3.9 (2.1-6.7)	3.4 (1.8-5.9)
3	13 (7.0-21)	11 (5.5-18)	9.2 (4.7-16)	8.0 (4.0-14)	6.9 (3.4-12)	6.0 (2.9-11)	5.2 (2.5-9.5)
4	20 (11-29)	16 (9.6-25)	14 (7.9-22)	12 (6.7-19)	10 (5.8-17)	9.0 (4.9-15)	7.8 (4.2-13)
5	30 (19-37)	24 (16-30)	20 (14-27)	18 (12-23)	15 (11-20)	13 (9.1-18)	11 (7.9-15)
6	43	35	29	26	22	19	17

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	4.6	4.0	3.6	3.1	2.7	2.3	2.0
1	7.4 (5.4-10)	6.2 (4.4-8.5)	5.6 (3.9-7.5)	4.8 (3.4-6.4)	4.2 (2.9-5.5)	3.6 (2.5-4.8)	3.1 (2.1-4.1)
2	12 (7.2-18)	9.7 (5.7-15)	8.6 (4.9-14)	7.4 (4.2-12)	6.4 (3.6-10)	5.5 (3.1-9.1)	4.8 (2.6-8.0)
3	18 (11-27)	15 (8.5-24)	13 (7.0-22)	11 (5.9-19)	9.6 (5.0-17)	8.3 (4.3-14)	7.2 (3.7-13)
4	27 (17-38)	22 (14-33)	19 (12-29)	17 (10-26)	14 (8.4-22)	12 (7.2-19)	11 (6.1-17)
5	39 (28-47)	32 (23-40)	28 (20-35)	24 (17-31)	21 (15-27)	18 (13-24)	15 (11-21)
6	54	45	39	34	29	26	22

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

Age = 65 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	6.6	5.6	5.1	4.4	3.8	3.2	2.8
1	10 (7.7-14)	8.8 (6.4-12)	7.8 (5.6-10)	6.7 (4.7-8.7)	5.8 (4.0-7.5)	5.0 (3.4-6.4)	4.3 (3.0-5.5)
2	16 (10-22)	13 (8.3-19)	12 (7.0-18)	10 (5.9-16)	8.7 (5.1-14)	7.5 (4.3-12)	6.4 (3.7-10)
3	24 (16-33)	20 (12-30)	17 (10-28)	15 (8.6-24)	13 (7.2-21)	11 (6.1-18)	9.5 (5.2-16)
4	34 (24-45)	29 (20-40)	25 (17-37)	22 (14-32)	19 (12-28)	16 (10-25)	14 (8.4-22)
5	46 (36-55)	40 (31-49)	35 (27-44)	31 (23-39)	27 (20-34)	23 (17-30)	20 (15-26)
6	59	53	48	42	37	32	28

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	9.1	7.9	7.2	6.1	5.2	4.5	3.8
1	14 (10-17)	12 (8.9-15)	11 (7.8-14)	9.0 (6.6-12)	7.6 (5.6-9.9)	6.5 (4.7-8.5)	5.5 (4.0-7.3)
2	21 (14-29)	18 (12-25)	16 (10-21)	13 (8.4-18)	11 (7.1-16)	9.5 (6.0-13)	8.0 (5.0-11)
3	31 (21-41)	26 (18-37)	23 (15-33)	19 (12-28)	16 (10-24)	14 (8.6-20)	12 (7.2-17)
4	42 (31-54)	37 (27-50)	32 (23-44)	27 (19-38)	23 (16-33)	20 (13-28)	17 (11-24)
5	55 (48-64)	50 (43-59)	44 (37-54)	38 (32-47)	33 (27-41)	28 (22-35)	24 (19-30)
6	66	63	58	51	45	39	33

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

Age = 75 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	12	10	9.1	7.7	6.5	5.5	4.6
1	18 (13-26)	16 (11-21)	14 (10-17)	11 (8.3-14)	9.5 (6.9-12)	8.0 (5.8-9.8)	6.7 (4.8-8.3)
2	27 (18-40)	24 (15-34)	20 (13-28)	17 (11-23)	14 (9.0-20)	12 (7.4-16)	9.7 (6.2-13)
3	39 (24-54)	35 (22-48)	30 (19-41)	25 (16-35)	21 (13-30)	17 (11-25)	14 (9.1-21)
4	51 (35-64)	47 (32-60)	42 (29-55)	36 (24-48)	30 (20-42)	25 (16-35)	21 (14-30)
5	62 (49-70)	60 (47-69)	56 (44-65)	49 (38-59)	42 (32-52)	36 (27-45)	30 (23-38)
6	72	70	68	62	56	49	42

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	13	11	10	8.4	7.0	5.8	4.8
1	20 (14-30)	17 (12-25)	15 (11-20)	12 (9.0-16)	10 (7.4-13)	8.5 (6.1-11)	7.0 (5.0-8.7)
2	29 (19-42)	25 (17-37)	22 (15-30)	18 (12-25)	15 (9.8-21)	12 (8.0-17)	10 (6.5-14)
3	40 (26-54)	36 (24-49)	32 (21-43)	27 (17-36)	22 (14-30)	18 (12-25)	15 (9.4-21)
4	51 (36-63)	48 (33-60)	44 (31-56)	37 (26-49)	31 (21-42)	26 (17-36)	22 (14-30)
5	62 (48-70)	60 (46-68)	56 (43-65)	50 (37-59)	43 (31-52)	36 (26-45)	30 (22-38)
6	71	70	68	62	55	48	41

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

Age = 85 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	12	11	10	8.6	7.1	5.8	4.8
1	18 (13-28)	16 (12-24)	15 (11-20)	13 (8.9-17)	10 (7.2-13)	8.4 (5.9-11)	6.9 (4.8-8.8)
2	27 (17-40)	24 (16-35)	22 (14-30)	18 (12-25)	15 (9.6-21)	12 (7.8-17)	10 (6.3-14)
3	37 (24-51)	34 (22-47)	31 (20-42)	26 (16-36)	21 (13-30)	18 (11-25)	14 (8.6-21)
4	48 (33-60)	45 (31-57)	42 (29-53)	36 (24-47)	30 (20-40)	25 (16-34)	20 (13-28)
5	59 (45-67)	57 (42-65)	54 (41-63)	47 (35-56)	41 (29-49)	34 (24-43)	29 (20-36)
6	68	67	65	59	52	45	39

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	9.8	9.1	8.8	7.3	6.0	4.9	4.1
1	15 (11-24)	14 (9.8-21)	13 (9.3-18)	11 (7.5-14)	8.7 (6.1-11)	7.1 (5.0-9.2)	5.8 (4.0-7.4)
2	23 (15-35)	21 (13-31)	19 (12-27)	16 (10-22)	13 (8.1-18)	10 (6.5-15)	8.4 (5.3-12)
3	33 (21-46)	30 (19-42)	27 (17-38)	23 (14-32)	18 (11-26)	15 (9.1-22)	12 (7.3-18)
4	44 (29-56)	41 (27-52)	38 (26-49)	32 (21-42)	26 (17-36)	22 (14-30)	18 (11-25)
5	54 (40-62)	52 (38-61)	49 (36-58)	42 (30-51)	36 (25-45)	30 (21-38)	25 (17-32)
6	62	62	60	54	47	41	34