

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