

**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/m<sup>2</sup>), 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 <sup>2</sup> )						
	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 <sup>2</sup> )						
	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 <sup>2</sup> )						
	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 <sup>2</sup> )						
	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 <sup>2</sup> )						
	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 <sup>2</sup> )						
	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 <sup>2</sup> )						
	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 <sup>2</sup> )						
	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 <sup>2</sup> )						
	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