

**Taiwan - 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/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 Taiwan. 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	2.1	2.1	2.0	1.8	1.5	1.4	1.2
1	3.4 (2.3-5.1)	3.2 (2.2-4.6)	3.2 (2.1-4.4)	2.8 (1.8-3.8)	2.4 (1.6-3.3)	2.1 (1.4-2.9)	1.8 (1.2-2.5)
2	5.4 (2.9-9.1)	5.0 (2.7-8.7)	4.9 (2.6-8.5)	4.2 (2.2-7.4)	3.7 (1.9-6.5)	3.2 (1.7-5.7)	2.8 (1.5-5.0)
3	8.4 (4.2-14)	7.7 (3.8-14)	7.3 (3.5-13)	6.4 (3.0-12)	5.5 (2.6-10)	4.8 (2.3-8.9)	4.2 (2.0-7.8)
4	13 (6.9-20)	12 (6.1-19)	11 (5.7-18)	9.4 (4.9-16)	8.2 (4.2-14)	7.1 (3.6-12)	6.2 (3.1-10)
5	19 (12-25)	17 (11-23)	16 (11-21)	14 (9.2-19)	12 (8.0-16)	10 (7.0-14)	9.0 (6.1-12)
6	28	25	23	20	17	15	13

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

**Age = 55 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	2.9	2.7	2.7	2.3	2.0	1.8	1.5
1	4.6 (3.2-6.8)	4.3 (2.9-6.1)	4.1 (2.8-5.7)	3.6 (2.4-4.9)	3.1 (2.1-4.2)	2.7 (1.8-3.7)	2.3 (1.6-3.2)
2	7.3 (4.1-12)	6.6 (3.7-11)	6.3 (3.4-11)	5.5 (2.9-9.3)	4.7 (2.5-8.1)	4.1 (2.2-7.1)	3.5 (1.9-6.2)
3	11 (6.1-18)	10 (5.3-17)	9.5 (4.8-17)	8.2 (4.1-14)	7.1 (3.5-13)	6.1 (3.0-11)	5.3 (2.6-9.6)
4	17 (9.9-25)	15 (8.6-23)	14 (7.7-22)	12 (6.6-19)	10 (5.6-17)	9.0 (4.8-15)	7.8 (4.1-13)
5	25 (16-32)	22 (14-29)	20 (14-27)	17 (12-23)	15 (10-20)	13 (8.9-18)	11 (7.7-15)
6	35	31	28	25	21	18	16

**Age = 60 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	4.0	3.7	3.5	3.1	2.6	2.3	2.0
1	6.3 (4.4-9.1)	5.8 (4.0-8.0)	5.5 (3.7-7.3)	4.7 (3.2-6.3)	4.0 (2.7-5.4)	3.5 (2.3-4.7)	3.0 (2.0-4.0)
2	9.8 (5.9-15)	8.8 (5.1-14)	8.3 (4.7-14)	7.1 (4.0-12)	6.1 (3.4-10)	5.3 (2.9-8.9)	4.5 (2.5-7.7)
3	15 (9.0-22)	13 (7.6-21)	12 (6.7-21)	11 (5.6-18)	9.1 (4.8-16)	7.8 (4.1-13)	6.7 (3.5-12)
4	22 (14-31)	19 (12-29)	18 (11-27)	15 (9.0-24)	13 (7.6-21)	11 (6.4-18)	9.8 (5.4-16)
5	30 (21-38)	28 (19-35)	25 (18-33)	22 (16-29)	19 (13-25)	16 (11-22)	14 (9.8-19)
6	41	38	35	31	26	23	20

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

**Age = 65 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	5.4	4.8	4.5	3.8	3.3	2.8	2.4
1	8.4 (6.1-11)	7.5 (5.3-10)	6.9 (4.8-9.0)	5.8 (4.1-7.7)	5.0 (3.4-6.5)	4.2 (2.9-5.6)	3.6 (2.5-4.8)
2	13 (8.3-18)	11 (7.0-17)	10 (6.2-16)	8.8 (5.2-14)	7.5 (4.3-12)	6.4 (3.7-10)	5.4 (3.1-8.9)
3	19 (12-26)	17 (11-25)	15 (9.0-24)	13 (7.5-21)	11 (6.3-18)	9.4 (5.3-15)	8.0 (4.4-13)
4	26 (18-36)	24 (17-34)	22 (14-32)	19 (12-28)	16 (9.9-24)	14 (8.2-21)	12 (6.9-18)
5	36 (26-44)	33 (24-41)	30 (23-39)	26 (19-34)	22 (16-29)	19 (14-25)	16 (12-22)
6	46	44	41	36	31	26	23

**Age = 70 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	7.2	6.3	5.7	4.8	4.0	3.4	2.9
1	11 (8.1-14)	9.6 (7.0-12)	8.5 (6.2-11)	7.1 (5.2-9.1)	6.0 (4.3-7.7)	5.0 (3.6-6.5)	4.2 (3.0-5.5)
2	17 (11-24)	15 (9.5-21)	13 (8.1-18)	11 (6.7-15)	8.8 (5.6-13)	7.3 (4.6-11)	6.1 (3.8-8.9)
3	25 (16-35)	22 (14-30)	19 (12-27)	16 (10-23)	13 (8.3-19)	11 (6.8-16)	9.0 (5.6-13)
4	35 (24-45)	31 (22-42)	27 (19-38)	23 (16-32)	19 (13-27)	16 (10-23)	13 (8.6-19)
5	46 (39-55)	42 (36-52)	38 (32-47)	32 (26-40)	27 (22-34)	23 (18-29)	19 (15-25)
6	57	54	51	44	38	32	27

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

**Age = 75 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	9.1	8.1	7.3	6.0	5.0	4.2	3.5
1	15 (10-22)	13 (9.0-18)	11 (8.0-15)	9.1 (6.5-12)	7.5 (5.3-9.5)	6.2 (4.4-7.7)	5.1 (3.6-6.3)
2	23 (14-35)	20 (12-30)	17 (11-25)	14 (8.6-20)	11 (7.1-17)	9.3 (5.8-14)	7.6 (4.7-11)
3	33 (20-48)	30 (18-43)	25 (16-36)	21 (13-30)	17 (10-25)	14 (8.5-20)	11 (6.9-17)
4	45 (29-58)	41 (27-54)	37 (24-50)	31 (19-43)	26 (16-36)	21 (13-30)	17 (10-25)
5	57 (43-66)	54 (40-63)	50 (37-60)	43 (31-53)	37 (26-46)	31 (22-39)	25 (18-33)
6	68	66	63	56	49	42	36

**Age = 80 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	10	9.4	8.6	7.1	5.8	4.8	3.9
1	16 (11-26)	15 (10-22)	13 (9.4-18)	11 (7.6-15)	8.7 (6.1-12)	7.1 (5.0-9.4)	5.8 (4.0-7.6)
2	25 (16-38)	22 (14-33)	20 (13-28)	16 (10-23)	13 (8.2-18)	11 (6.6-15)	8.5 (5.3-12)
3	35 (22-49)	32 (20-44)	28 (18-39)	23 (15-33)	19 (12-27)	16 (9.4-22)	13 (7.5-18)
4	46 (30-58)	43 (28-54)	39 (27-51)	33 (22-44)	27 (18-37)	23 (14-31)	18 (12-26)
5	57 (42-65)	54 (40-63)	51 (37-60)	44 (32-53)	38 (26-47)	32 (22-40)	26 (18-34)
6	67	65	63	56	50	43	36

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

**Age = 85 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	11	9.6	8.8	7.2	5.8	4.8	3.9
1	17 (12-27)	15 (11-23)	13 (9.5-19)	11 (7.7-16)	8.8 (6.1-12)	7.1 (4.9-9.9)	5.8 (4.0-7.9)
2	25 (16-39)	23 (15-34)	20 (13-29)	16 (10-24)	13 (8.3-19)	11 (6.7-16)	8.6 (5.3-12)
3	36 (22-50)	32 (20-45)	29 (18-41)	24 (15-34)	20 (12-28)	16 (9.4-23)	13 (7.5-19)
4	47 (31-59)	44 (29-55)	40 (27-51)	34 (22-45)	28 (18-38)	23 (14-32)	19 (12-26)
5	58 (43-65)	55 (40-64)	52 (38-61)	45 (32-54)	39 (26-47)	32 (22-41)	27 (18-34)
6	66	65	63	57	50	44	37

**Age = 90 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	9.0	8.0	7.3	5.9	4.7	3.8	3.1
1	15 (10-24)	13 (8.8-20)	11 (7.9-17)	9.1 (6.3-13)	7.3 (5.0-11)	5.8 (4.0-8.4)	4.6 (3.2-6.6)
2	22 (14-35)	20 (12-30)	17 (11-26)	14 (8.6-21)	11 (6.8-17)	8.9 (5.4-13)	7.1 (4.3-11)
3	32 (20-46)	29 (17-41)	25 (15-36)	21 (12-30)	17 (9.7-25)	13 (7.7-20)	11 (6.1-16)
4	43 (28-55)	40 (25-51)	36 (23-47)	30 (19-40)	24 (15-34)	20 (12-28)	16 (9.6-23)
5	54 (39-62)	51 (36-60)	48 (33-57)	41 (28-50)	34 (23-43)	29 (18-36)	23 (15-30)
6	62	62	59	53	46	39	33