

**Taiwan - 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 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	3.1	2.8	2.6	2.3	2.0	1.8	1.5
1	5.1 (3.5-7.6)	4.4 (3.0-6.4)	4.1 (2.8-5.7)	3.6 (2.4-5.0)	3.1 (2.1-4.3)	2.7 (1.8-3.8)	2.4 (1.6-3.3)
2	8.2 (4.5-13)	7.0 (3.8-12)	6.4 (3.4-11)	5.6 (2.9-9.5)	4.8 (2.6-8.4)	4.2 (2.2-7.3)	3.7 (1.9-6.4)
3	13 (6.6-22)	11 (5.4-19)	9.7 (4.7-17)	8.5 (4.1-15)	7.4 (3.5-13)	6.4 (3.0-12)	5.6 (2.6-10)
4	20 (11-30)	17 (9.3-26)	15 (7.9-23)	13 (6.8-21)	11 (5.9-18)	9.6 (5.1-16)	8.4 (4.4-14)
5	31 (19-38)	25 (16-32)	21 (14-28)	19 (13-25)	16 (11-22)	14 (9.6-19)	12 (8.4-17)
6	45	36	31	27	24	21	18

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

**Age = 55 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	4.7	4.1	3.8	3.3	2.9	2.5	2.2
1	7.7 (5.5-11)	6.6 (4.6-9.2)	5.9 (4.1-8.1)	5.2 (3.5-7.0)	4.5 (3.1-6.1)	3.9 (2.7-5.3)	3.4 (2.3-4.6)
2	12 (7.2-19)	10 (5.8-16)	9.2 (5.0-15)	7.9 (4.3-13)	6.9 (3.8-12)	6.0 (3.3-10)	5.2 (2.8-8.9)
3	19 (11-30)	16 (8.4-26)	14 (7.1-24)	12 (6.1-21)	10 (5.2-18)	9.1 (4.5-16)	7.9 (3.9-14)
4	29 (17-42)	24 (14-35)	20 (12-32)	18 (10-28)	15 (8.8-25)	13 (7.5-22)	12 (6.5-19)
5	43 (29-51)	35 (24-43)	30 (21-38)	26 (18-33)	23 (16-29)	20 (14-26)	17 (12-23)
6	59	49	42	37	32	28	25

**Age = 60 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	7.3	6.2	5.6	4.8	4.2	3.6	3.2
1	12 (8.7-16)	9.7 (7.0-13)	8.6 (6.1-11)	7.5 (5.2-9.9)	6.5 (4.5-8.6)	5.6 (3.9-7.4)	4.9 (3.4-6.4)
2	18 (12-28)	15 (9.0-23)	13 (7.6-21)	11 (6.5-18)	9.9 (5.6-16)	8.6 (4.8-14)	7.4 (4.1-12)
3	28 (17-41)	23 (13-35)	20 (11-32)	17 (9.2-28)	15 (7.8-25)	13 (6.7-22)	11 (5.8-19)
4	41 (26-54)	33 (22-47)	28 (18-42)	25 (15-37)	22 (13-33)	19 (11-29)	16 (9.6-26)
5	56 (42-65)	47 (35-56)	40 (30-50)	35 (26-44)	31 (23-39)	27 (20-35)	23 (17-31)
6	72	62	54	48	43	38	33

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

**Age = 65 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	11	8.9	7.7	6.6	5.7	4.9	4.3
1	17 (13-22)	14 (10-18)	12 (8.6-15)	10 (7.3-13)	8.8 (6.3-11)	7.6 (5.4-9.7)	6.5 (4.6-8.4)
2	26 (18-36)	21 (13-29)	18 (11-26)	15 (9.2-23)	13 (7.9-20)	11 (6.7-18)	9.9 (5.7-16)
3	38 (26-50)	31 (20-44)	26 (16-40)	23 (13-35)	20 (11-31)	17 (9.5-27)	15 (8.1-24)
4	52 (37-64)	43 (30-57)	37 (26-52)	32 (22-46)	28 (19-41)	24 (16-36)	21 (13-32)
5	66 (55-74)	58 (46-67)	50 (40-60)	44 (35-54)	39 (30-48)	34 (26-43)	30 (23-38)
6	78	72	65	59	52	47	41

**Age = 70 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	16	12	11	9.0	7.7	6.6	5.7
1	24 (19-29)	19 (15-23)	16 (12-20)	13 (10-17)	11 (8.5-14)	9.7 (7.2-12)	8.3 (6.1-11)
2	36 (25-46)	28 (19-38)	23 (15-31)	20 (13-27)	17 (11-23)	14 (9.2-20)	12 (7.8-17)
3	50 (37-63)	41 (29-55)	34 (22-47)	29 (19-41)	25 (16-36)	21 (13-31)	18 (11-27)
4	65 (53-76)	56 (45-70)	47 (36-61)	41 (31-55)	35 (26-48)	30 (22-42)	26 (18-36)
5	77 (72-83)	71 (65-79)	63 (55-72)	56 (48-65)	49 (42-58)	42 (36-51)	37 (30-45)
6	84	82	77	71	64	57	50

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

**Age = 75 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	21	17	14	12	10	8.8	7.5
1	32 (24-44)	26 (20-34)	21 (16-26)	18 (14-22)	15 (11-18)	13 (9.6-16)	11 (8.1-13)
2	46 (32-62)	38 (26-52)	32 (21-42)	27 (18-36)	23 (15-30)	19 (12-25)	16 (10-21)
3	60 (44-75)	53 (38-68)	45 (31-60)	39 (26-53)	33 (22-46)	28 (18-39)	24 (15-33)
4	72 (58-82)	68 (52-79)	61 (45-74)	54 (39-68)	47 (33-61)	40 (28-53)	34 (23-46)
5	80 (72-85)	79 (69-85)	75 (64-82)	69 (57-77)	62 (50-71)	55 (44-64)	48 (38-57)
6	85	85	84	80	75	69	63

**Age = 80 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	23	20	18	15	13	11	9.0
1	34 (26-47)	30 (22-40)	26 (20-33)	22 (16-27)	18 (14-23)	15 (11-19)	13 (9.5-15)
2	46 (34-62)	42 (29-55)	36 (25-47)	31 (21-40)	26 (18-34)	22 (15-29)	18 (12-24)
3	58 (44-72)	54 (40-68)	49 (36-62)	43 (31-55)	37 (26-48)	31 (21-41)	26 (18-35)
4	69 (55-78)	66 (53-76)	62 (49-74)	56 (43-68)	49 (36-61)	43 (31-54)	36 (26-48)
5	77 (67-82)	76 (65-81)	74 (63-80)	68 (56-76)	62 (50-70)	55 (44-64)	48 (38-57)
6	81	82	81	78	73	67	61

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

**Age = 85 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	21	19	18	15	13	11	8.9
1	31 (23-45)	28 (21-39)	26 (19-33)	22 (16-28)	18 (13-23)	15 (11-19)	13 (9.1-16)
2	43 (31-58)	39 (28-53)	36 (25-47)	31 (21-40)	26 (17-34)	22 (14-29)	18 (12-24)
3	55 (40-68)	51 (37-65)	48 (34-61)	42 (29-54)	36 (24-47)	30 (20-40)	25 (16-34)
4	65 (51-75)	63 (49-73)	60 (47-71)	54 (40-65)	47 (34-59)	41 (29-52)	35 (24-45)
5	73 (63-78)	72 (61-78)	71 (59-77)	65 (53-73)	59 (47-67)	52 (41-61)	46 (35-55)
6	76	78	78	74	69	64	57

**Age = 90 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	16	15	14	12	9.8	8.1	6.7
1	24 (18-36)	22 (16-31)	21 (15-27)	17 (12-23)	14 (10-18)	12 (8.2-15)	9.6 (6.7-12)
2	34 (24-49)	31 (21-44)	29 (20-39)	24 (16-33)	20 (13-28)	17 (11-23)	14 (8.7-19)
3	46 (32-60)	43 (29-56)	40 (27-52)	34 (22-45)	28 (18-39)	23 (15-33)	19 (12-27)
4	57 (42-68)	54 (39-65)	51 (38-62)	45 (32-56)	38 (26-49)	32 (22-43)	27 (18-36)
5	65 (54-71)	65 (52-72)	62 (50-70)	56 (43-65)	50 (37-59)	43 (32-52)	37 (27-45)
6	69	72	72	67	61	55	48