

**Taiwan - The probabilities of a hip fracture in men**

The following tables give the 10-year probability (%) of a hip fracture according to the T-score for femoral neck BMD , 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.

Note that the BMI is set at 24 kg/m<sup>2</sup>.

**Age = 50 years**

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	16	8.6	4.6	2.5	1.3	0.7	0.4	0.2	0.1	0.1	0.0
1	24 (17-31)	13 (9.1-18)	7.3 (4.9-9.6)	3.9 (2.6-5.2)	2.1 (1.4-2.7)	1.1 (0.7-1.4)	0.6 (0.4-0.8)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)	0.0 (0.0-0.1)
2	35 (23-48)	20 (13-29)	11 (6.8-17)	6.2 (3.6-9.3)	3.3 (1.9-5.0)	1.7 (1.0-2.6)	0.9 (0.5-1.4)	0.5 (0.3-0.7)	0.3 (0.2-0.4)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
3	47 (32-63)	30 (19-43)	17 (10-26)	9.5 (5.5-15)	5.1 (2.9-8.2)	2.7 (1.5-4.4)	1.4 (0.8-2.3)	0.8 (0.4-1.2)	0.4 (0.2-0.7)	0.2 (0.1-0.4)	0.1 (0.1-0.2)
4	61 (47-76)	41 (29-56)	25 (17-37)	14 (9.1-22)	7.9 (4.9-12)	4.2 (2.6-6.6)	2.2 (1.4-3.5)	1.2 (0.7-1.9)	0.6 (0.4-1.0)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
5	74 (65-83)	55 (45-68)	36 (28-47)	21 (16-29)	12 (8.7-17)	6.5 (4.7-9.3)	3.4 (2.5-5.0)	1.8 (1.3-2.7)	1.0 (0.7-1.4)	0.5 (0.4-0.8)	0.3 (0.2-0.4)
6	84	69	49	30	18	9.7	5.2	2.8	1.5	0.8	0.4

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

**Age = 55 years**

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	18	10	5.7	3.2	1.7	1.0	0.5	0.3	0.2	0.1	0.1
1	26 (19-32)	15 (11-19)	8.8 (6.0-11)	4.9 (3.3-6.1)	2.7 (1.8-3.4)	1.5 (1.0-1.9)	0.8 (0.5-1.0)	0.4 (0.3-0.6)	0.2 (0.2-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.1)
2	37 (25-48)	23 (15-31)	13 (8.4-19)	7.6 (4.7-11)	4.2 (2.6-6.1)	2.3 (1.4-3.4)	1.3 (0.8-1.9)	0.7 (0.4-1.0)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
3	49 (36-62)	32 (22-44)	20 (13-28)	11 (7.1-17)	6.4 (3.9-9.7)	3.6 (2.2-5.5)	2.0 (1.2-3.0)	1.1 (0.6-1.7)	0.6 (0.4-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
4	62 (50-74)	44 (33-57)	28 (20-39)	17 (11-24)	9.7 (6.4-14)	5.4 (3.6-8.2)	3.0 (2.0-4.6)	1.7 (1.1-2.5)	0.9 (0.6-1.4)	0.5 (0.3-0.8)	0.3 (0.2-0.5)
5	74 (67-81)	57 (49-68)	39 (32-50)	24 (19-33)	14 (11-20)	8.1 (6.3-11)	4.5 (3.5-6.5)	2.5 (1.9-3.6)	1.4 (1.1-2.0)	0.8 (0.6-1.2)	0.5 (0.4-0.7)
6	82	69	51	34	21	12	6.8	3.8	2.1	1.2	0.7

**Age = 60 years**

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	18	11	6.6	3.9	2.3	1.3	0.8	0.4	0.3	0.2	0.1
1	26 (19-30)	16 (12-19)	9.9 (6.9-12)	5.9 (4.1-6.9)	3.5 (2.4-4.1)	2.0 (1.4-2.4)	1.2 (0.8-1.4)	0.7 (0.5-0.8)	0.4 (0.3-0.5)	0.2 (0.2-0.3)	0.1 (0.1-0.2)
2	36 (26-45)	23 (16-30)	15 (9.6-19)	8.8 (5.7-12)	5.2 (3.4-7.1)	3.1 (2.0-4.2)	1.8 (1.1-2.5)	1.0 (0.7-1.4)	0.6 (0.4-0.9)	0.4 (0.2-0.5)	0.2 (0.1-0.3)
3	47 (36-58)	32 (23-42)	21 (14-28)	13 (8.6-18)	7.8 (5.1-11)	4.6 (3.0-6.7)	2.7 (1.7-4.0)	1.6 (1.0-2.3)	1.0 (0.6-1.4)	0.6 (0.4-0.9)	0.3 (0.2-0.5)
4	59 (49-69)	43 (34-54)	29 (22-39)	19 (14-26)	11 (8.2-16)	6.9 (4.8-10)	4.1 (2.8-6.0)	2.4 (1.7-3.5)	1.4 (1.0-2.1)	0.9 (0.6-1.3)	0.5 (0.4-0.8)
5	69 (64-76)	55 (49-64)	39 (34-49)	26 (22-34)	16 (14-22)	10 (8.3-14)	6.0 (4.9-8.4)	3.6 (2.9-5.0)	2.2 (1.8-3.0)	1.3 (1.1-1.8)	0.8 (0.6-1.1)
6	77	66	51	35	23	14	8.8	5.2	3.2	1.9	1.2

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

**Age = 65 years**

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	18	12	7.5	4.7	2.9	1.8	1.1	0.7	0.4	0.3	0.2
1	26 (19-28)	17 (12-19)	11 (7.9-13)	7.0 (4.9-8.0)	4.4 (3.1-5.0)	2.7 (1.9-3.1)	1.7 (1.2-2.0)	1.0 (0.7-1.2)	0.7 (0.5-0.8)	0.4 (0.3-0.5)	0.3 (0.2-0.3)
2	34 (26-42)	24 (17-29)	16 (11-20)	10 (6.9-13)	6.4 (4.3-8.3)	4.0 (2.7-5.2)	2.5 (1.7-3.3)	1.6 (1.0-2.0)	1.0 (0.7-1.3)	0.6 (0.4-0.8)	0.4 (0.3-0.5)
3	44 (36-54)	32 (25-40)	22 (16-28)	14 (10-19)	9.3 (6.5-12)	5.9 (4.1-8.0)	3.7 (2.5-5.0)	2.3 (1.6-3.2)	1.5 (1.0-2.1)	0.9 (0.6-1.3)	0.6 (0.4-0.9)
4	55 (48-63)	42 (35-51)	30 (24-38)	20 (16-27)	13 (10-18)	8.5 (6.4-12)	5.4 (4.0-7.6)	3.4 (2.5-4.8)	2.2 (1.6-3.1)	1.4 (1.0-2.0)	0.9 (0.7-1.3)
5	64 (60-71)	52 (48-60)	39 (35-48)	27 (24-35)	19 (16-24)	12 (11-16)	7.7 (6.7-11)	4.9 (4.2-6.8)	3.2 (2.7-4.4)	2.1 (1.7-2.8)	1.3 (1.1-1.8)
6	72	61	49	36	25	17	11	7.1	4.6	3.0	1.9

**Age = 70 years**

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	18	12	8.4	5.6	3.7	2.4	1.6	1.1	0.7	0.5	0.3
1	27 (25-34)	19 (17-24)	13 (12-17)	9.0 (7.9-12)	6.0 (5.2-7.8)	4.0 (3.5-5.1)	2.6 (2.3-3.4)	1.8 (1.5-2.3)	1.2 (1.0-1.5)	0.8 (0.7-1.0)	0.5 (0.5-0.7)
2	38 (33-46)	28 (24-35)	20 (17-26)	14 (12-18)	9.5 (7.8-13)	6.4 (5.2-8.5)	4.2 (3.4-5.7)	2.9 (2.3-3.8)	1.9 (1.6-2.6)	1.3 (1.1-1.8)	0.9 (0.7-1.2)
3	51 (44-58)	40 (33-47)	30 (24-36)	21 (17-26)	15 (12-19)	10 (7.9-13)	6.8 (5.3-8.6)	4.6 (3.5-5.9)	3.2 (2.4-4.0)	2.1 (1.6-2.7)	1.5 (1.1-1.9)
4	62 (54-68)	52 (44-58)	41 (34-47)	31 (25-36)	22 (17-26)	16 (12-19)	11 (8.0-13)	7.3 (5.4-8.8)	5.1 (3.7-6.1)	3.5 (2.5-4.2)	2.4 (1.7-2.8)
5	71 (64-74)	63 (55-67)	53 (45-57)	42 (35-45)	32 (26-35)	23 (18-26)	16 (13-18)	11 (8.8-13)	8.0 (6.1-9.0)	5.5 (4.2-6.2)	3.8 (2.9-4.3)
6	77	71	64	54	44	33	24	18	12	8.7	6.0

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

**Age = 75 years**

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	17	12	8.7	6.2	4.3	3.0	2.1	1.5	1.1	0.8	0.5
1	28 (23-49)	21 (17-40)	16 (12-31)	11 (8.6-23)	8.1 (6.1-17)	5.8 (4.2-12)	4.1 (3.0-8.7)	2.9 (2.1-6.3)	2.1 (1.5-4.6)	1.5 (1.1-3.3)	1.1 (0.8-2.4)
2	40 (30-60)	32 (22-51)	25 (17-42)	19 (12-33)	14 (8.5-25)	10 (6.0-19)	7.3 (4.2-14)	5.3 (3.0-10)	3.9 (2.2-7.4)	2.8 (1.5-5.4)	2.0 (1.1-3.9)
3	53 (38-69)	45 (30-61)	37 (22-53)	29 (17-44)	23 (12-35)	17 (8.7-27)	12 (6.1-20)	9.2 (4.5-15)	6.7 (3.2-11)	4.9 (2.3-8.0)	3.6 (1.7-5.9)
4	65 (47-75)	58 (39-69)	50 (31-62)	42 (24-53)	34 (18-44)	26 (13-35)	20 (9.2-26)	15 (6.7-20)	11 (4.9-15)	8.3 (3.5-11)	6.1 (2.5-8.4)
5	75 (58-80)	69 (49-75)	63 (41-69)	55 (32-62)	47 (25-53)	38 (19-43)	30 (14-34)	23 (10-27)	18 (7.6-21)	14 (5.6-16)	10 (4.0-12)
6	81	78	73	67	60	51	42	34	27	21	16

**Age = 80 years**

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	14	10	7.9	5.9	4.4	3.2	2.4	1.8	1.4	1.0	0.8
1	23 (18-42)	18 (13-35)	14 (10-28)	11 (7.6-22)	8.0 (5.7-17)	6.0 (4.2-13)	4.5 (3.1-9.8)	3.4 (2.4-7.6)	2.6 (1.8-5.8)	2.0 (1.4-4.4)	1.5 (1.0-3.3)
2	34 (23-53)	27 (18-45)	22 (14-38)	17 (10-31)	13 (7.8-24)	10 (5.9-19)	7.8 (4.4-15)	6.1 (3.3-11)	4.7 (2.5-8.9)	3.6 (1.9-6.9)	2.7 (1.5-5.3)
3	45 (29-62)	39 (23-55)	32 (18-48)	26 (14-40)	21 (11-33)	17 (8.2-27)	13 (6.2-21)	10 (4.7-17)	7.9 (3.6-13)	6.1 (2.8-10)	4.7 (2.1-7.9)
4	57 (38-69)	51 (31-63)	44 (25-56)	37 (20-49)	31 (15-41)	25 (12-34)	20 (9.1-28)	16 (7.1-22)	13 (5.4-18)	9.9 (4.2-14)	7.7 (3.2-11)
5	67 (48-73)	62 (41-68)	56 (34-62)	49 (27-56)	42 (22-48)	36 (17-41)	29 (13-34)	24 (10-28)	19 (8.1-23)	15 (6.3-19)	12 (4.9-15)
6	75	72	67	61	55	48	40	34	28	23	19

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

**Age = 85 years**

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	9.9	7.8	6.1	4.8	3.7	2.9	2.3	1.8	1.4	1.1	0.9
1	17 (13-33)	14 (10-28)	11 (7.9-23)	8.6 (6.2-18)	6.8 (4.9-15)	5.4 (3.8-12)	4.2 (3.0-9.3)	3.4 (2.4-7.6)	2.7 (1.9-6.1)	2.2 (1.5-4.9)	1.7 (1.2-3.9)
2	26 (16-43)	22 (13-37)	18 (11-31)	14 (8.3-26)	12 (6.6-21)	9.2 (5.1-17)	7.4 (4.1-14)	6.0 (3.3-11)	4.8 (2.6-9.1)	3.9 (2.1-7.4)	3.1 (1.7-6.0)
3	37 (22-52)	31 (18-46)	27 (14-40)	22 (11-34)	18 (9.1-29)	15 (7.2-24)	12 (5.7-20)	9.9 (4.6-16)	8.1 (3.7-13)	6.5 (3.0-11)	5.3 (2.4-8.9)
4	48 (29-60)	43 (24-55)	37 (20-49)	32 (16-43)	27 (13-37)	22 (10-31)	19 (8.4-26)	16 (6.8-22)	13 (5.5-18)	11 (4.5-15)	8.6 (3.6-12)
5	60 (38-66)	55 (33-61)	49 (27-55)	43 (23-49)	38 (19-43)	32 (15-37)	27 (12-32)	23 (10-27)	20 (8.2-23)	16 (6.7-19)	13 (5.4-16)
6	69	65	61	55	50	44	38	33	28	24	20

**Age = 90 years**

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	5.8	4.8	3.9	3.2	2.6	2.1	1.7	1.5	1.2	1.0	0.9
1	10 (7.6-22)	8.6 (6.2-18)	7.1 (5.1-15)	5.8 (4.1-13)	4.8 (3.4-11)	3.9 (2.8-8.7)	3.3 (2.3-7.3)	2.8 (1.9-6.1)	2.3 (1.6-5.2)	1.9 (1.3-4.3)	1.6 (1.1-3.6)
2	17 (9.9-30)	14 (8.2-26)	12 (6.8-22)	9.9 (5.6-18)	8.2 (4.6-15)	6.8 (3.7-13)	5.7 (3.1-11)	4.8 (2.6-9.1)	4.1 (2.2-7.7)	3.4 (1.8-6.5)	2.9 (1.5-5.5)
3	25 (14-39)	22 (11-34)	19 (9.4-29)	16 (7.7-25)	13 (6.4-21)	11 (5.2-18)	9.4 (4.4-16)	8.0 (3.7-13)	6.8 (3.1-11)	5.8 (2.6-9.6)	4.9 (2.2-8.2)
4	36 (19-47)	32 (16-42)	28 (13-37)	24 (11-32)	20 (9.2-28)	17 (7.6-24)	15 (6.4-21)	13 (5.4-18)	11 (4.6-15)	9.3 (3.9-13)	7.9 (3.3-11)
5	47 (26-53)	43 (22-49)	38 (19-44)	34 (16-39)	29 (13-34)	25 (11-30)	22 (9.5-26)	19 (8.1-23)	17 (6.9-20)	14 (5.8-17)	12 (4.9-15)
6	58	54	50	45	40	36	32	28	25	22	19