

Taiwan - The probabilities of a hip fracture in women

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 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 ²)						
	15	20	25	30	35	40	45
0	0.7	0.4	0.2	0.2	0.1	0.1	0.1
1	1.5 (1.0-2.9)	0.8 (0.5-1.6)	0.4 (0.3-0.9)	0.3 (0.2-0.7)	0.3 (0.2-0.5)	0.2 (0.1-0.4)	0.2 (0.1-0.3)
2	2.9 (1.5-6.2)	1.6 (0.8-3.4)	0.9 (0.4-1.8)	0.7 (0.3-1.4)	0.5 (0.3-1.1)	0.4 (0.2-0.9)	0.3 (0.2-0.7)
3	5.5 (2.2-11)	3.0 (1.2-5.9)	1.6 (0.7-3.2)	1.3 (0.5-2.5)	1.0 (0.4-2.0)	0.8 (0.3-1.5)	0.6 (0.2-1.2)
4	9.9 (3.9-16)	5.5 (2.1-8.9)	3.0 (1.2-4.9)	2.3 (0.9-3.8)	1.8 (0.7-3.0)	1.4 (0.5-2.3)	1.1 (0.4-1.8)
5	17 (8.2-23)	9.8 (4.5-13)	5.4 (2.5-7.3)	4.2 (1.9-5.7)	3.3 (1.5-4.5)	2.6 (1.2-3.5)	2.0 (0.9-2.7)
6	29	17	9.5	7.4	5.8	4.5	3.5

Ten year probability of hip 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 ²)						
	15	20	25	30	35	40	45
0	1.5	0.8	0.4	0.3	0.3	0.2	0.2
1	2.9 (2.0-5.0)	1.6 (1.1-2.8)	0.9 (0.6-1.5)	0.7 (0.5-1.2)	0.5 (0.4-0.9)	0.4 (0.3-0.7)	0.3 (0.2-0.5)
2	5.3 (2.9-10)	2.9 (1.6-5.8)	1.6 (0.9-3.2)	1.2 (0.7-2.5)	1.0 (0.5-1.9)	0.8 (0.4-1.5)	0.6 (0.3-1.2)
3	9.6 (4.4-17)	5.4 (2.4-10)	3.0 (1.3-5.6)	2.3 (1.0-4.3)	1.8 (0.8-3.4)	1.4 (0.6-2.6)	1.1 (0.5-2.0)
4	17 (7.7-25)	9.5 (4.3-15)	5.3 (2.3-8.4)	4.1 (1.8-6.6)	3.2 (1.4-5.1)	2.5 (1.1-4.0)	2.0 (0.9-3.1)
5	27 (15-35)	16 (8.9-21)	9.3 (4.9-12)	7.3 (3.8-9.7)	5.7 (3.0-7.6)	4.4 (2.3-5.9)	3.5 (1.8-4.6)
6	43	27	16	13	9.8	7.7	6.0

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	3.0	1.6	0.9	0.7	0.5	0.4	0.3
1	5.4 (3.9-8.4)	3.0 (2.2-4.7)	1.7 (1.2-2.6)	1.3 (0.9-2.0)	1.0 (0.7-1.6)	0.8 (0.6-1.2)	0.6 (0.4-0.9)
2	9.6 (5.7-17)	5.4 (3.2-9.7)	3.0 (1.8-5.5)	2.3 (1.4-4.3)	1.8 (1.1-3.3)	1.4 (0.8-2.6)	1.1 (0.6-2.0)
3	16 (8.5-27)	9.5 (4.8-16)	5.3 (2.7-9.4)	4.2 (2.1-7.4)	3.3 (1.6-5.8)	2.5 (1.3-4.5)	2.0 (1.0-3.5)
4	27 (15-38)	16 (8.4-24)	9.3 (4.7-14)	7.3 (3.7-11)	5.7 (2.8-8.7)	4.4 (2.2-6.8)	3.5 (1.7-5.3)
5	41 (27-50)	26 (17-33)	16 (9.7-20)	12 (7.6-16)	9.7 (5.9-13)	7.6 (4.6-9.9)	6.0 (3.6-7.8)
6	59	41	26	20	16	13	10

Ten year probability of hip 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 ²)						
	15	20	25	30	35	40	45
0	5.6	3.2	1.8	1.4	1.1	0.8	0.6
1	9.6 (7.3-13)	5.6 (4.2-7.8)	3.1 (2.3-4.4)	2.4 (1.8-3.4)	1.9 (1.4-2.6)	1.5 (1.1-2.1)	1.1 (0.8-1.6)
2	16 (10-25)	9.5 (6.1-15)	5.4 (3.4-8.9)	4.2 (2.7-7.0)	3.3 (2.1-5.5)	2.6 (1.6-4.2)	2.0 (1.2-3.3)
3	26 (15-39)	16 (9.1-25)	9.3 (5.2-15)	7.3 (4.0-12)	5.7 (3.1-9.4)	4.4 (2.4-7.4)	3.4 (1.9-5.8)
4	39 (25-52)	25 (16-36)	15 (9.0-22)	12 (7.0-18)	9.6 (5.5-14)	7.5 (4.3-11)	5.9 (3.3-8.7)
5	55 (43-62)	39 (29-47)	25 (18-31)	20 (14-25)	16 (11-20)	12 (8.7-16)	9.8 (6.8-12)
6	70	55	38	31	25	20	16

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	9.7	5.8	3.3	2.6	2.0	1.6	1.2
1	17 (13-20)	10 (8.3-12)	6.1 (4.8-7.0)	4.7 (3.8-5.5)	3.7 (2.9-4.3)	2.8 (2.3-3.3)	2.2 (1.7-2.6)
2	28 (20-36)	18 (12-24)	11 (7.3-14)	8.5 (5.7-11)	6.6 (4.4-8.8)	5.2 (3.4-6.9)	4.0 (2.7-5.4)
3	43 (31-55)	30 (21-41)	19 (13-27)	15 (9.8-22)	12 (7.7-17)	9.2 (6.0-14)	7.2 (4.6-11)
4	59 (48-71)	46 (35-59)	31 (24-42)	25 (19-35)	20 (15-28)	16 (12-23)	13 (9.1-18)
5	73 (68-80)	63 (58-71)	48 (43-56)	40 (35-47)	33 (29-39)	27 (23-32)	21 (18-26)
6	82	78	67	58	50	42	34

Ten year probability of hip 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 ²)						
	15	20	25	30	35	40	45
0	14	9.3	5.6	4.3	3.4	2.6	2.0
1	25 (19-40)	17 (13-28)	11 (7.9-18)	8.5 (6.1-14)	6.6 (4.8-11)	5.1 (3.7-8.8)	4.0 (2.8-6.8)
2	40 (27-57)	30 (18-45)	20 (12-32)	16 (9.2-26)	12 (7.2-21)	9.7 (5.6-16)	7.5 (4.3-13)
3	56 (39-72)	46 (30-62)	33 (20-49)	27 (16-41)	22 (12-34)	17 (9.6-27)	14 (7.5-22)
4	70 (54-80)	63 (45-76)	51 (33-67)	43 (26-59)	36 (21-50)	29 (17-42)	24 (13-35)
5	79 (68-85)	76 (62-83)	69 (51-78)	61 (43-71)	54 (35-63)	46 (29-55)	38 (23-47)
6	85	84	82	77	71	64	56

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	17	12	7.8	6.1	4.7	3.6	2.8
1	28 (21-44)	21 (16-35)	14 (11-24)	11 (8.2-19)	8.7 (6.4-15)	6.8 (4.9-12)	5.2 (3.8-9.3)
2	41 (29-59)	33 (22-50)	24 (16-39)	20 (12-32)	15 (9.5-26)	12 (7.3-21)	9.5 (5.7-16)
3	55 (40-70)	48 (32-64)	38 (23-55)	31 (18-47)	26 (14-40)	21 (11-33)	16 (8.6-26)
4	67 (51-77)	62 (45-73)	54 (36-68)	47 (29-60)	39 (23-52)	32 (19-44)	26 (15-37)
5	76 (64-81)	73 (59-80)	69 (52-77)	62 (44-71)	55 (36-64)	47 (30-56)	40 (24-48)
6	81	81	79	75	69	62	55

Ten year probability of hip 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 ²)						
	15	20	25	30	35	40	45
0	16	12	8.5	6.5	5.0	3.8	2.9
1	26 (19-42)	21 (15-34)	15 (11-26)	12 (8.5-20)	9.2 (6.5-16)	7.1 (5.0-13)	5.4 (3.8-9.8)
2	39 (27-56)	32 (22-49)	25 (16-39)	20 (13-32)	16 (9.7-26)	12 (7.5-21)	9.6 (5.7-16)
3	51 (37-66)	46 (31-61)	38 (23-54)	32 (19-46)	26 (15-39)	21 (11-32)	16 (8.7-26)
4	63 (47-74)	59 (42-71)	53 (35-66)	45 (28-58)	38 (23-51)	32 (18-43)	26 (14-36)
5	72 (60-77)	70 (56-77)	66 (50-74)	60 (42-69)	53 (35-62)	45 (28-54)	38 (23-47)
6	76	78	77	72	66	59	52

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	12	9.4	6.9	5.3	4.0	3.1	2.3
1	20 (15-34)	16 (12-28)	12 (8.7-21)	9.5 (6.6-17)	7.3 (5.1-13)	5.6 (3.8-10)	4.3 (2.9-7.8)
2	31 (21-47)	26 (17-41)	20 (13-33)	16 (9.9-27)	13 (7.6-21)	9.8 (5.8-17)	7.5 (4.4-13)
3	43 (29-58)	38 (24-52)	31 (19-46)	26 (15-38)	21 (11-32)	16 (8.8-26)	13 (6.7-20)
4	55 (39-67)	51 (34-63)	45 (28-57)	38 (22-50)	31 (18-42)	25 (14-35)	20 (11-29)
5	64 (52-70)	63 (47-70)	58 (41-67)	51 (34-60)	44 (28-53)	37 (22-46)	31 (17-39)
6	69	71	70	64	58	51	43