

**Hong Kong - The probabilities of a hip fracture in women**

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 Hong Kong. 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	5.1	2.6	1.3	0.7	0.4	0.2	0.1	0.1	0.0	0.0	0.0	
1	8.1 (5.3-11)	4.2 (2.7-5.5)	2.2 (1.4-2.8)	1.1 (0.7-1.5)	0.6 (0.4-0.7)	0.3 (0.2-0.4)	0.1 (0.1-0.2)	0.1 (0.1-0.1)	0.0 (0.0-0.1)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	
2	13 (7.5-19)	6.7 (3.9-10)	3.5 (2.0-5.3)	1.8 (1.0-2.7)	0.9 (0.5-1.4)	0.5 (0.3-0.7)	0.2 (0.1-0.4)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	0.0 (0.0-0.1)	0.0 (0.0-0.0)	
3	19 (11-30)	10 (5.9-17)	5.5 (3.0-9.0)	2.8 (1.6-4.7)	1.4 (0.8-2.4)	0.7 (0.4-1.2)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	0.0 (0.0-0.1)	
4	29 (19-42)	16 (10-25)	8.5 (5.2-13)	4.4 (2.7-7.1)	2.3 (1.4-3.7)	1.2 (0.7-1.9)	0.6 (0.4-1.0)	0.3 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.1)	0.0 (0.0-0.1)	
5	41 (32-54)	24 (18-33)	13 (9.6-19)	6.8 (5.0-9.9)	3.5 (2.6-5.2)	1.8 (1.3-2.7)	0.9 (0.7-1.4)	0.5 (0.4-0.7)	0.3 (0.2-0.4)	0.1 (0.1-0.2)	0.1 (0.1-0.1)	
6	56	34	19	10	5.4	2.8	1.4	0.8	0.4	0.2	0.1	

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

**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	7.4	4.1	2.2	1.2	0.6	0.3	0.2	0.1	0.1	0.0	0.0
1	12 (7.8-14)	6.4 (4.3-7.8)	3.5 (2.3-4.3)	1.9 (1.2-2.3)	1.0 (0.7-1.2)	0.5 (0.4-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)	0.0 (0.0-0.1)	0.0 (0.0-0.0)
2	18 (11-25)	9.9 (6.0-14)	5.4 (3.3-7.9)	3.0 (1.8-4.3)	1.6 (0.9-2.3)	0.9 (0.5-1.3)	0.5 (0.3-0.7)	0.3 (0.2-0.4)	0.1 (0.1-0.2)	0.1 (0.1-0.1)	0.0 (0.0-0.1)
3	26 (16-39)	15 (9.0-23)	8.4 (4.9-13)	4.6 (2.7-7.3)	2.5 (1.4-4.0)	1.3 (0.8-2.2)	0.7 (0.4-1.2)	0.4 (0.2-0.7)	0.2 (0.1-0.4)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
4	37 (26-53)	22 (15-33)	13 (8.4-20)	7.1 (4.6-11)	3.9 (2.5-6.1)	2.1 (1.3-3.3)	1.1 (0.7-1.8)	0.6 (0.4-1.0)	0.3 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
5	51 (43-65)	32 (26-44)	19 (15-27)	11 (8.5-15)	5.9 (4.6-8.5)	3.2 (2.5-4.7)	1.7 (1.4-2.5)	1.0 (0.8-1.4)	0.5 (0.4-0.8)	0.3 (0.2-0.4)	0.2 (0.1-0.2)
6	67	45	28	16	8.9	4.9	2.7	1.5	0.8	0.5	0.3

**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	10	5.8	3.3	1.8	1.0	0.6	0.3	0.2	0.1	0.1	0.0
1	15 (11-18)	8.9 (6.1-11)	5.1 (3.4-6.0)	2.9 (1.9-3.4)	1.6 (1.1-1.9)	0.9 (0.6-1.1)	0.5 (0.3-0.6)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)	0.1 (0.0-0.1)
2	23 (15-30)	14 (8.5-18)	7.8 (4.9-11)	4.4 (2.7-6.1)	2.5 (1.5-3.4)	1.4 (0.9-1.9)	0.8 (0.5-1.1)	0.5 (0.3-0.6)	0.3 (0.2-0.4)	0.1 (0.1-0.2)	0.1 (0.1-0.1)
3	33 (22-46)	20 (13-29)	12 (7.3-18)	6.8 (4.1-10)	3.8 (2.3-5.9)	2.1 (1.3-3.3)	1.2 (0.7-1.9)	0.7 (0.4-1.1)	0.4 (0.2-0.6)	0.2 (0.1-0.4)	0.1 (0.1-0.2)
4	45 (34-61)	29 (21-41)	17 (12-26)	10 (7.0-15)	5.8 (4.0-8.8)	3.3 (2.2-5.0)	1.9 (1.3-2.9)	1.1 (0.7-1.7)	0.6 (0.4-1.0)	0.4 (0.2-0.6)	0.2 (0.1-0.3)
5	60 (53-73)	40 (35-53)	25 (21-34)	15 (12-21)	8.7 (7.1-12)	5.0 (4.0-7.1)	2.8 (2.3-4.1)	1.6 (1.3-2.4)	1.0 (0.8-1.4)	0.6 (0.4-0.8)	0.3 (0.3-0.5)
6	74	54	36	22	13	7.4	4.3	2.5	1.4	0.8	0.5

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

**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	13	8.0	4.7	2.8	1.6	0.9	0.6	0.3	0.2	0.1	0.1
1	20 (14-23)	12 (8.4-14)	7.2 (4.9-8.6)	4.2 (2.9-5.1)	2.5 (1.7-3.0)	1.4 (1.0-1.7)	0.9 (0.6-1.0)	0.5 (0.4-0.6)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)
2	28 (19-36)	18 (12-23)	11 (7.0-14)	6.4 (4.1-8.5)	3.7 (2.4-5.0)	2.2 (1.4-2.9)	1.3 (0.8-1.8)	0.8 (0.5-1.1)	0.5 (0.3-0.6)	0.3 (0.2-0.4)	0.2 (0.1-0.2)
3	40 (28-52)	26 (17-35)	16 (10-23)	9.5 (6.2-14)	5.6 (3.6-8.3)	3.3 (2.1-4.9)	2.0 (1.3-3.0)	1.2 (0.8-1.8)	0.7 (0.5-1.1)	0.4 (0.3-0.7)	0.3 (0.2-0.4)
4	53 (42-67)	36 (27-48)	23 (17-32)	14 (10-20)	8.4 (6.0-12)	5.0 (3.5-7.4)	3.0 (2.1-4.5)	1.8 (1.3-2.7)	1.1 (0.8-1.6)	0.7 (0.5-1.0)	0.4 (0.3-0.6)
5	66 (60-78)	48 (42-60)	32 (27-42)	20 (17-27)	12 (10-17)	7.4 (6.0-10)	4.5 (3.6-6.3)	2.7 (2.2-3.8)	1.6 (1.3-2.3)	1.0 (0.8-1.4)	0.6 (0.5-0.8)
6	79	62	44	29	18	11	6.6	4.0	2.4	1.5	0.9

**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	11	7.1	4.3	2.6	1.6	1.0	0.6	0.4	0.3	0.2
1	29 (25-35)	19 (16-23)	12 (9.9-15)	7.2 (6.1-9.1)	4.4 (3.7-5.6)	2.7 (2.3-3.5)	1.7 (1.4-2.2)	1.1 (0.9-1.4)	0.7 (0.6-0.9)	0.4 (0.4-0.5)	0.3 (0.2-0.3)
2	43 (35-53)	29 (23-38)	19 (15-25)	12 (9.2-16)	7.4 (5.6-10)	4.6 (3.5-6.3)	2.9 (2.2-4.0)	1.8 (1.4-2.5)	1.1 (0.9-1.6)	0.7 (0.5-1.0)	0.4 (0.3-0.6)
3	59 (48-70)	43 (33-53)	29 (22-38)	19 (14-25)	12 (8.6-16)	7.6 (5.4-10)	4.8 (3.4-6.6)	3.1 (2.1-4.2)	1.9 (1.3-2.7)	1.2 (0.8-1.7)	0.8 (0.5-1.1)
4	75 (66-81)	60 (49-68)	43 (34-51)	30 (22-36)	19 (14-24)	12 (8.9-16)	8.0 (5.7-10)	5.1 (3.6-6.5)	3.2 (2.3-4.1)	2.0 (1.4-2.6)	1.3 (0.9-1.6)
5	86 (81-88)	76 (68-80)	60 (52-65)	44 (36-49)	30 (24-34)	20 (16-23)	13 (10-15)	8.3 (6.5-9.7)	5.3 (4.2-6.2)	3.4 (2.6-3.9)	2.1 (1.7-2.5)
6	91	87	76	61	44	30	21	13	8.7	5.6	3.5

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

**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	22	14	9.4	6.1	3.9	2.5	1.7	1.1	0.7	0.5	0.3
1	37 (29-63)	26 (20-48)	18 (13-35)	12 (8.5-24)	7.6 (5.5-16)	5.1 (3.6-11)	3.4 (2.4-7.1)	2.2 (1.6-4.7)	1.5 (1.0-3.1)	1.0 (0.7-2.1)	0.6 (0.4-1.3)
2	55 (39-79)	42 (27-67)	30 (18-52)	21 (12-38)	14 (7.7-26)	9.5 (5.1-18)	6.4 (3.4-13)	4.2 (2.2-8.4)	2.8 (1.5-5.6)	1.8 (1.0-3.7)	1.2 (0.6-2.5)
3	71 (52-87)	59 (38-78)	46 (26-67)	34 (18-53)	24 (11-39)	17 (7.7-28)	11 (5.1-20)	7.7 (3.4-13)	5.1 (2.2-9.1)	3.4 (1.5-6.1)	2.2 (1.0-4.1)
4	83 (67-90)	75 (53-86)	64 (39-78)	51 (27-66)	38 (18-52)	28 (12-39)	19 (8.4-28)	13 (5.6-20)	9.1 (3.7-14)	6.1 (2.4-9.1)	4.0 (1.6-6.1)
5	90 (80-92)	86 (70-90)	79 (56-85)	69 (42-76)	55 (30-63)	43 (21-50)	31 (14-37)	22 (9.8-27)	15 (6.6-19)	11 (4.4-13)	7.1 (2.9-8.6)
6	92	91	89	83	73	61	48	35	25	18	12

**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	23	16	11	7.7	5.2	3.6	2.5	1.7	1.2	0.8	0.6
1	37 (29-64)	28 (21-51)	20 (15-39)	14 (9.9-29)	9.9 (6.8-21)	7.0 (4.8-15)	4.9 (3.3-11)	3.4 (2.3-7.4)	2.4 (1.6-5.2)	1.7 (1.1-3.6)	1.1 (0.8-2.5)
2	53 (38-75)	43 (28-66)	33 (20-55)	24 (14-43)	17 (9.5-32)	13 (6.7-24)	9.0 (4.7-18)	6.3 (3.3-13)	4.4 (2.3-8.9)	3.1 (1.6-6.3)	2.2 (1.1-4.4)
3	67 (50-83)	58 (39-76)	47 (28-67)	37 (20-55)	28 (14-44)	21 (10-34)	15 (7.0-26)	11 (4.9-19)	7.9 (3.4-14)	5.5 (2.4-9.7)	3.9 (1.6-6.9)
4	78 (63-86)	71 (51-82)	63 (40-75)	52 (29-66)	42 (21-56)	33 (15-46)	25 (11-36)	18 (7.8-27)	13 (5.5-20)	9.5 (3.8-14)	6.7 (2.6-10)
5	85 (73-88)	81 (64-86)	75 (54-81)	67 (42-74)	58 (32-66)	48 (24-56)	38 (18-45)	29 (13-35)	22 (9.2-27)	16 (6.5-20)	11 (4.6-14)
6	88	87	84	79	72	64	53	43	33	25	18

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

**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	19	14	9.9	7.0	5.2	3.8	2.8	2.0	1.5	1.1	0.8
1	31 (24-55)	24 (18-45)	18 (13-35)	13 (9.1-27)	9.7 (6.7-20)	7.2 (5.0-15)	5.3 (3.6-11)	3.9 (2.7-8.5)	2.9 (1.9-6.3)	2.1 (1.4-4.6)	1.5 (1.0-3.4)
2	45 (31-67)	36 (24-58)	29 (17-49)	22 (13-39)	17 (9.4-31)	13 (7.0-24)	9.6 (5.1-18)	7.1 (3.8-14)	5.3 (2.7-10)	3.9 (2.0-7.7)	2.8 (1.5-5.7)
3	60 (42-76)	51 (33-70)	42 (25-61)	34 (18-51)	27 (14-42)	21 (10-34)	16 (7.7-26)	12 (5.7-20)	9.2 (4.1-15)	6.8 (3.0-12)	5.0 (2.2-8.6)
4	72 (53-82)	65 (44-77)	57 (34-70)	48 (26-61)	40 (20-52)	32 (15-44)	26 (12-36)	20 (8.6-28)	15 (6.4-22)	11 (4.7-17)	8.6 (3.5-13)
5	80 (65-84)	76 (56-81)	70 (47-76)	63 (38-70)	55 (30-62)	46 (24-54)	38 (18-45)	31 (14-37)	24 (10-29)	18 (7.7-23)	14 (5.7-17)
6	84	83	80	75	69	62	53	44	36	29	22

**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	10	7.7	5.8	4.4	3.5	2.7	2.1	1.6	1.2	1.0	0.7
1	18 (13-35)	14 (10-28)	11 (7.6-22)	8.2 (5.8-17)	6.5 (4.5-14)	5.1 (3.5-11)	4.0 (2.7-8.7)	3.1 (2.1-6.8)	2.4 (1.6-5.3)	1.9 (1.3-4.1)	1.4 (1.0-3.2)
2	28 (18-46)	22 (14-39)	18 (11-32)	14 (8.1-26)	11 (6.3-21)	8.9 (5.0-17)	7.0 (3.9-13)	5.5 (3.0-11)	4.3 (2.3-8.4)	3.4 (1.8-6.6)	2.6 (1.4-5.1)
3	40 (24-57)	34 (19-50)	27 (15-42)	22 (11-35)	18 (9.0-29)	15 (7.1-24)	12 (5.6-19)	9.4 (4.4-16)	7.4 (3.4-12)	5.8 (2.6-9.8)	4.5 (2.0-7.7)
4	53 (33-65)	46 (26-59)	39 (21-51)	33 (17-44)	28 (13-38)	23 (11-31)	19 (8.3-26)	15 (6.5-21)	12 (5.1-17)	9.6 (4.0-14)	7.6 (3.1-11)
5	65 (43-71)	59 (36-65)	53 (29-59)	46 (24-52)	40 (19-46)	34 (16-40)	28 (13-34)	23 (10-28)	19 (8.0-23)	15 (6.3-19)	12 (4.9-15)
6	74	71	65	59	53	47	40	34	29	24	19