

Hong Kong - The probabilities of a hip fracture in men

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 Hong Kong. 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	0.2	0.1	0.1	0.0	0.0	0.0	0.0
1	0.4 (0.2-0.7)	0.2 (0.1-0.4)	0.1 (0.1-0.2)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	0.1 (0.0-0.1)	0.0 (0.0-0.1)
2	0.7 (0.4-1.5)	0.4 (0.2-0.9)	0.2 (0.1-0.5)	0.2 (0.1-0.4)	0.1 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.2)
3	1.4 (0.6-2.7)	0.8 (0.3-1.5)	0.4 (0.2-0.8)	0.3 (0.1-0.7)	0.3 (0.1-0.5)	0.2 (0.1-0.4)	0.2 (0.1-0.3)
4	2.5 (1.0-4.1)	1.4 (0.5-2.3)	0.8 (0.3-1.3)	0.6 (0.2-1.0)	0.5 (0.2-0.8)	0.4 (0.1-0.6)	0.3 (0.1-0.5)
5	4.4 (2.0-5.8)	2.5 (1.1-3.4)	1.4 (0.6-1.9)	1.1 (0.5-1.5)	0.8 (0.4-1.1)	0.7 (0.3-0.9)	0.5 (0.2-0.7)
6	7.6	4.4	2.5	1.9	1.5	1.2	0.9

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

Age = 55 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	0.5	0.3	0.1	0.1	0.1	0.1	0.1
1	0.9 (0.6-1.6)	0.5 (0.3-0.9)	0.3 (0.2-0.5)	0.2 (0.2-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.2)
2	1.6 (0.9-3.1)	0.9 (0.5-1.8)	0.5 (0.3-1.0)	0.4 (0.2-0.8)	0.3 (0.2-0.6)	0.2 (0.1-0.5)	0.2 (0.1-0.4)
3	2.9 (1.3-5.5)	1.7 (0.8-3.2)	1.0 (0.4-1.8)	0.7 (0.3-1.4)	0.6 (0.3-1.1)	0.4 (0.2-0.8)	0.3 (0.2-0.7)
4	5.2 (2.4-8.2)	3.0 (1.4-4.9)	1.7 (0.8-2.8)	1.3 (0.6-2.2)	1.0 (0.5-1.7)	0.8 (0.4-1.3)	0.6 (0.3-1.0)
5	8.8 (4.6-11)	5.3 (2.8-7.0)	3.1 (1.6-4.0)	2.4 (1.2-3.1)	1.8 (0.9-2.4)	1.4 (0.7-1.9)	1.1 (0.6-1.5)
6	15	9.0	5.3	4.1	3.2	2.5	1.9

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	1.0	0.6	0.3	0.3	0.2	0.2	0.1
1	1.9 (1.4-3.0)	1.1 (0.8-1.7)	0.6 (0.4-1.0)	0.5 (0.3-0.8)	0.4 (0.3-0.6)	0.3 (0.2-0.5)	0.2 (0.2-0.4)
2	3.3 (1.9-5.7)	2.0 (1.1-3.5)	1.1 (0.7-2.0)	0.9 (0.5-1.6)	0.7 (0.4-1.2)	0.5 (0.3-0.9)	0.4 (0.2-0.7)
3	5.7 (2.9-9.8)	3.4 (1.7-6.1)	2.0 (1.0-3.5)	1.5 (0.8-2.7)	1.2 (0.6-2.1)	0.9 (0.5-1.6)	0.7 (0.4-1.3)
4	9.5 (5.1-15)	5.9 (3.0-9.1)	3.5 (1.8-5.4)	2.7 (1.4-4.2)	2.1 (1.0-3.2)	1.6 (0.8-2.5)	1.2 (0.6-1.9)
5	15 (9.3-19)	9.9 (5.9-13)	5.9 (3.5-7.7)	4.6 (2.7-6.0)	3.6 (2.1-4.6)	2.8 (1.6-3.6)	2.1 (1.3-2.8)
6	24	16	9.9	7.8	6.0	4.7	3.6

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

Age = 65 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	2.1	1.3	0.7	0.6	0.4	0.3	0.3
1	3.5 (2.7-5.1)	2.2 (1.6-3.1)	1.3 (1.0-1.8)	1.0 (0.7-1.4)	0.8 (0.6-1.1)	0.6 (0.4-0.8)	0.5 (0.3-0.6)
2	5.9 (3.7-9.2)	3.7 (2.3-5.9)	2.2 (1.4-3.6)	1.7 (1.1-2.8)	1.3 (0.8-2.2)	1.0 (0.6-1.7)	0.8 (0.5-1.3)
3	9.6 (5.6-15)	6.2 (3.5-10)	3.8 (2.1-6.3)	2.9 (1.6-4.9)	2.3 (1.3-3.8)	1.7 (1.0-2.9)	1.3 (0.7-2.2)
4	15 (9.6-22)	10 (6.1-15)	6.3 (3.7-9.4)	4.9 (2.8-7.3)	3.8 (2.2-5.7)	2.9 (1.7-4.4)	2.3 (1.3-3.4)
5	23 (16-28)	16 (11-20)	10 (7.1-13)	8.1 (5.5-10)	6.3 (4.3-7.9)	4.9 (3.3-6.1)	3.8 (2.5-4.7)
6	34	25	17	13	10	8.0	6.2

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	4.0	2.6	1.6	1.2	0.9	0.7	0.6
1	6.9 (5.2-8.3)	4.6 (3.5-5.4)	2.8 (2.2-3.3)	2.2 (1.7-2.6)	1.7 (1.3-2.0)	1.3 (1.0-1.5)	1.0 (0.8-1.2)
2	12 (7.8-17)	8.0 (5.3-11)	5.0 (3.3-6.9)	3.9 (2.6-5.4)	3.0 (2.0-4.2)	2.3 (1.5-3.2)	1.8 (1.2-2.5)
3	19 (12-27)	13 (9.1-19)	8.8 (5.8-13)	6.9 (4.5-10)	5.3 (3.5-7.8)	4.1 (2.7-6.1)	3.1 (2.0-4.7)
4	29 (20-39)	22 (15-31)	15 (11-21)	12 (8.3-17)	9.2 (6.4-13)	7.1 (4.9-10)	5.5 (3.8-8.1)
5	41 (35-50)	34 (29-41)	25 (21-30)	20 (17-24)	15 (13-19)	12 (10-15)	9.4 (7.8-12)
6	54	48	38	31	25	20	16

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

Age = 75 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	6.5	4.5	2.9	2.2	1.7	1.3	1.0
1	12 (8.0-20)	8.4 (5.8-15)	5.5 (3.9-9.6)	4.3 (3.0-7.5)	3.3 (2.3-5.8)	2.5 (1.8-4.5)	1.9 (1.3-3.4)
2	20 (12-32)	15 (8.7-24)	10 (5.9-17)	8.0 (4.5-13)	6.2 (3.5-10)	4.7 (2.7-8.0)	3.6 (2.0-6.1)
3	31 (18-46)	25 (14-37)	18 (10-28)	14 (7.8-22)	11 (6.0-18)	8.6 (4.6-14)	6.7 (3.5-11)
4	44 (28-57)	38 (23-51)	29 (17-42)	24 (13-35)	19 (10-28)	15 (8.0-23)	12 (6.1-18)
5	58 (41-67)	52 (35-62)	44 (28-54)	37 (22-46)	30 (18-39)	25 (14-32)	20 (11-26)
6	70	66	60	53	45	38	31

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	8.6	6.5	4.5	3.5	2.7	2.0	1.5
1	15 (10-25)	11 (8.0-20)	8.3 (5.9-15)	6.4 (4.5-11)	4.9 (3.4-8.9)	3.8 (2.6-6.8)	2.9 (2.0-5.2)
2	23 (15-37)	19 (12-31)	14 (8.8-24)	11 (6.7-19)	8.7 (5.2-15)	6.7 (3.9-12)	5.1 (3.0-9.0)
3	34 (21-48)	29 (17-42)	23 (13-36)	19 (10-29)	15 (7.9-23)	11 (6.0-18)	8.8 (4.6-14)
4	46 (29-59)	41 (25-53)	35 (20-47)	29 (16-40)	23 (12-33)	19 (9.6-26)	15 (7.3-21)
5	59 (42-67)	54 (37-63)	49 (31-58)	41 (25-50)	35 (20-43)	28 (16-36)	23 (12-29)
6	69	66	62	55	48	40	34

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

Age = 85 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	10	7.6	5.4	4.2	3.2	2.4	1.8
1	17 (12-29)	13 (9.4-23)	9.8 (6.9-17)	7.6 (5.3-14)	5.8 (4.0-10)	4.5 (3.1-8.1)	3.4 (2.3-6.2)
2	27 (17-42)	22 (14-35)	17 (10-28)	13 (7.9-22)	10 (6.1-17)	7.9 (4.6-14)	6.0 (3.5-11)
3	39 (25-53)	33 (20-47)	27 (15-40)	21 (12-33)	17 (9.2-27)	13 (7.1-21)	10 (5.4-17)
4	51 (34-63)	46 (29-58)	39 (23-52)	33 (19-44)	27 (14-37)	21 (11-30)	17 (8.6-24)
5	62 (47-69)	59 (42-67)	53 (36-62)	46 (29-55)	39 (23-48)	32 (18-40)	26 (14-33)
6	69	69	66	60	53	45	38

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	7.5	5.8	4.3	3.3	2.5	1.9	1.4
1	13 (8.9-22)	10 (7.0-18)	7.8 (5.3-14)	5.9 (4.0-11)	4.5 (3.1-8.3)	3.4 (2.3-6.3)	2.6 (1.7-4.8)
2	21 (13-34)	17 (10-28)	13 (8.0-23)	10 (6.1-18)	7.9 (4.6-14)	6.1 (3.5-11)	4.6 (2.6-8.3)
3	31 (19-44)	26 (15-38)	21 (12-32)	17 (9.2-26)	13 (7.1-21)	10 (5.4-16)	7.9 (4.1-13)
4	42 (26-54)	37 (22-49)	32 (18-43)	26 (14-36)	21 (11-29)	16 (8.3-24)	13 (6.4-19)
5	53 (38-61)	50 (33-58)	45 (28-54)	38 (23-46)	31 (18-39)	25 (14-32)	20 (11-26)
6	61	61	58	51	44	37	30