

Singapore (Chinese) - 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 Singapore (Chinese). 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	0.3	0.2	0.1	0.1	0.1	0.0	0.0
1	0.5 (0.4-1.1)	0.3 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.2)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
2	1.0 (0.5-2.2)	0.6 (0.3-1.2)	0.3 (0.2-0.7)	0.2 (0.1-0.5)	0.2 (0.1-0.4)	0.1 (0.1-0.3)	0.1 (0.1-0.2)
3	1.9 (0.8-3.8)	1.1 (0.4-2.1)	0.6 (0.2-1.2)	0.5 (0.2-0.9)	0.4 (0.1-0.7)	0.3 (0.1-0.6)	0.2 (0.1-0.4)
4	3.5 (1.4-5.7)	2.0 (0.8-3.3)	1.1 (0.4-1.8)	0.9 (0.3-1.4)	0.7 (0.3-1.1)	0.5 (0.2-0.8)	0.4 (0.2-0.7)
5	6.2 (2.8-8.2)	3.6 (1.6-4.8)	2.0 (0.9-2.7)	1.5 (0.7-2.1)	1.2 (0.5-1.6)	0.9 (0.4-1.3)	0.7 (0.3-1.0)
6	11	6.2	3.5	2.7	2.1	1.6	1.3

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

Age = 55 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	0.6	0.3	0.2	0.1	0.1	0.1	0.1
1	1.1 (0.8-2.0)	0.6 (0.4-1.1)	0.4 (0.2-0.6)	0.3 (0.2-0.5)	0.2 (0.1-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
2	2.1 (1.1-4.0)	1.2 (0.6-2.3)	0.7 (0.4-1.3)	0.5 (0.3-1.0)	0.4 (0.2-0.8)	0.3 (0.2-0.6)	0.2 (0.1-0.5)
3	3.8 (1.7-7.0)	2.2 (1.0-4.1)	1.2 (0.6-2.3)	0.9 (0.4-1.8)	0.7 (0.3-1.4)	0.6 (0.3-1.1)	0.4 (0.2-0.8)
4	6.6 (3.0-10)	3.9 (1.7-6.2)	2.2 (1.0-3.5)	1.7 (0.8-2.7)	1.3 (0.6-2.1)	1.0 (0.5-1.6)	0.8 (0.4-1.3)
5	11 (5.9-14)	6.7 (3.5-8.8)	3.9 (2.0-5.1)	3.0 (1.6-4.0)	2.3 (1.2-3.1)	1.8 (0.9-2.4)	1.4 (0.7-1.9)
6	18	11	6.7	5.2	4.0	3.1	2.4

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	1.3	0.8	0.4	0.3	0.3	0.2	0.2
1	2.3 (1.7-3.7)	1.4 (1.0-2.2)	0.8 (0.6-1.2)	0.6 (0.4-1.0)	0.5 (0.3-0.7)	0.4 (0.3-0.6)	0.3 (0.2-0.4)
2	4.1 (2.4-7.1)	2.5 (1.4-4.4)	1.4 (0.8-2.5)	1.1 (0.6-2.0)	0.8 (0.5-1.5)	0.7 (0.4-1.2)	0.5 (0.3-0.9)
3	7.0 (3.6-12)	4.3 (2.2-7.6)	2.5 (1.3-4.5)	1.9 (1.0-3.5)	1.5 (0.8-2.7)	1.2 (0.6-2.1)	0.9 (0.4-1.6)
4	12 (6.3-18)	7.3 (3.8-11)	4.4 (2.2-6.7)	3.4 (1.7-5.2)	2.6 (1.3-4.1)	2.0 (1.0-3.1)	1.6 (0.8-2.4)
5	19 (12-23)	12 (7.4-15)	7.4 (4.4-9.5)	5.8 (3.4-7.4)	4.5 (2.7-5.8)	3.5 (2.1-4.5)	2.7 (1.6-3.5)
6	29	20	12	9.6	7.5	5.9	4.5

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

Age = 65 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	2.6	1.6	0.9	0.7	0.5	0.4	0.3
1	4.4 (3.4-6.3)	2.7 (2.1-3.9)	1.6 (1.2-2.3)	1.2 (0.9-1.8)	1.0 (0.7-1.4)	0.7 (0.6-1.0)	0.6 (0.4-0.8)
2	7.3 (4.6-11)	4.6 (2.9-7.3)	2.8 (1.7-4.5)	2.1 (1.3-3.5)	1.7 (1.0-2.7)	1.3 (0.8-2.1)	1.0 (0.6-1.6)
3	12 (6.9-19)	7.7 (4.4-13)	4.7 (2.6-7.8)	3.7 (2.0-6.1)	2.8 (1.6-4.7)	2.2 (1.2-3.6)	1.7 (0.9-2.8)
4	18 (12-26)	12 (7.6-18)	7.9 (4.6-12)	6.1 (3.6-9.1)	4.7 (2.8-7.1)	3.7 (2.1-5.5)	2.8 (1.6-4.3)
5	27 (19-32)	20 (14-24)	13 (8.8-16)	10 (6.9-13)	7.8 (5.3-9.8)	6.1 (4.1-7.6)	4.7 (3.2-5.9)
6	39	30	20	16	13	9.8	7.6

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	4.3	2.8	1.7	1.3	1.0	0.8	0.6
1	7.4 (5.5-8.8)	4.9 (3.7-5.8)	3.0 (2.4-3.6)	2.3 (1.8-2.8)	1.8 (1.4-2.1)	1.4 (1.1-1.6)	1.1 (0.8-1.3)
2	12 (8.3-18)	8.5 (5.6-12)	5.4 (3.6-7.4)	4.2 (2.8-5.8)	3.2 (2.1-4.5)	2.5 (1.6-3.5)	1.9 (1.2-2.7)
3	20 (13-28)	14 (9.7-20)	9.5 (6.2-14)	7.3 (4.8-11)	5.7 (3.7-8.4)	4.4 (2.9-6.5)	3.4 (2.2-5.0)
4	30 (21-41)	23 (16-32)	16 (11-23)	13 (8.8-18)	9.8 (6.8-14)	7.6 (5.2-11)	5.9 (4.0-8.6)
5	43 (37-51)	35 (30-43)	26 (22-32)	21 (18-26)	16 (14-21)	13 (11-16)	10 (8.3-13)
6	56	49	40	33	26	21	17

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

Age = 75 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	6.0	4.2	2.7	2.1	1.6	1.2	0.9
1	11 (7.4-19)	7.9 (5.5-14)	5.3 (3.7-9.2)	4.1 (2.8-7.1)	3.1 (2.2-5.5)	2.4 (1.7-4.2)	1.8 (1.3-3.2)
2	18 (11-30)	14 (8.2-23)	9.7 (5.6-16)	7.6 (4.3-13)	5.8 (3.3-9.7)	4.5 (2.5-7.5)	3.4 (1.9-5.8)
3	29 (16-44)	23 (13-36)	17 (9.6-27)	13 (7.4-21)	10 (5.7-17)	8.1 (4.4-13)	6.3 (3.3-10)
4	41 (26-55)	36 (21-49)	28 (16-40)	23 (13-33)	18 (9.7-27)	14 (7.5-21)	11 (5.7-17)
5	54 (38-64)	50 (33-59)	42 (27-52)	35 (21-44)	29 (17-37)	23 (13-30)	18 (10-24)
6	67	63	58	50	43	36	29

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	7.8	5.9	4.1	3.1	2.4	1.8	1.4
1	13 (9.2-23)	10 (7.3-18)	7.5 (5.3-13)	5.8 (4.1-10)	4.4 (3.1-8.0)	3.4 (2.3-6.2)	2.6 (1.8-4.7)
2	21 (13-35)	17 (11-29)	13 (8.0-22)	10 (6.1-17)	7.9 (4.7-14)	6.1 (3.6-11)	4.6 (2.7-8.1)
3	31 (19-45)	27 (16-39)	21 (12-33)	17 (9.3-27)	13 (7.1-21)	10 (5.5-17)	8.0 (4.2-13)
4	43 (26-55)	38 (23-50)	33 (19-44)	27 (15-37)	21 (11-30)	17 (8.7-24)	13 (6.6-19)
5	55 (38-63)	51 (34-60)	46 (29-55)	39 (23-48)	32 (19-40)	26 (14-33)	21 (11-27)
6	66	63	59	52	45	38	31

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

Age = 85 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	9.1	7.1	5.2	4.0	3.0	2.3	1.7
1	15 (11-26)	12 (8.6-22)	9.4 (6.6-17)	7.2 (5.0-13)	5.5 (3.8-10)	4.2 (2.9-7.7)	3.2 (2.2-5.9)
2	24 (15-38)	20 (13-33)	16 (9.7-27)	12 (7.5-21)	9.6 (5.7-17)	7.4 (4.3-13)	5.7 (3.3-10)
3	34 (21-49)	30 (18-44)	25 (15-38)	20 (11-31)	16 (8.7-25)	12 (6.6-20)	9.6 (5.1-16)
4	46 (29-58)	42 (26-54)	37 (22-49)	30 (17-41)	25 (13-34)	20 (10-28)	16 (7.8-22)
5	57 (42-65)	54 (38-63)	50 (33-59)	43 (27-52)	36 (21-45)	30 (17-37)	24 (13-31)
6	67	65	62	55	48	41	35

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	8.9	6.9	5.1	3.9	3.0	2.2	1.7
1	15 (11-26)	12 (8.4-21)	9.2 (6.4-16)	7.1 (4.9-13)	5.4 (3.7-9.8)	4.1 (2.8-7.5)	3.1 (2.1-5.7)
2	24 (15-38)	20 (12-32)	16 (9.5-26)	12 (7.3-21)	9.4 (5.5-16)	7.2 (4.2-13)	5.5 (3.2-9.8)
3	35 (22-49)	30 (18-43)	25 (14-37)	20 (11-30)	16 (8.4-24)	12 (6.4-19)	9.4 (4.9-15)
4	46 (30-59)	42 (26-54)	36 (21-48)	30 (17-41)	24 (13-34)	19 (10-27)	15 (7.6-22)
5	57 (42-65)	54 (38-63)	49 (32-59)	42 (26-51)	35 (21-44)	29 (16-37)	24 (13-30)
6	65	65	62	55	48	41	34