

Singapore (Malay) - 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 (Malay). 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	0.1	0.0	0.0	0.0
1	0.4 (0.3-0.9)	0.3 (0.2-0.5)	0.1 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	0.1 (0.0-0.1)
2	0.9 (0.4-1.8)	0.5 (0.2-1.0)	0.3 (0.1-0.6)	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	1.6 (0.6-3.1)	0.9 (0.4-1.8)	0.5 (0.2-1.0)	0.4 (0.2-0.8)	0.3 (0.1-0.6)	0.2 (0.1-0.5)	0.2 (0.1-0.4)
4	2.9 (1.1-4.7)	1.7 (0.7-2.8)	0.9 (0.4-1.6)	0.7 (0.3-1.2)	0.6 (0.2-0.9)	0.4 (0.2-0.7)	0.3 (0.1-0.6)
5	5.0 (2.2-6.6)	3.0 (1.3-4.0)	1.7 (0.8-2.3)	1.3 (0.6-1.8)	1.0 (0.5-1.4)	0.8 (0.4-1.1)	0.6 (0.3-0.8)
6	8.6	5.2	3.0	2.3	1.8	1.4	1.1

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

Age = 55 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	0.5	0.3	0.2	0.1	0.1	0.1	0.1
1	1.0 (0.7-1.8)	0.6 (0.4-1.1)	0.3 (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	1.9 (1.0-3.5)	1.1 (0.6-2.1)	0.6 (0.3-1.2)	0.5 (0.3-1.0)	0.4 (0.2-0.7)	0.3 (0.2-0.6)	0.2 (0.1-0.4)
3	3.3 (1.5-6.1)	2.0 (0.9-3.7)	1.1 (0.5-2.2)	0.9 (0.4-1.7)	0.7 (0.3-1.3)	0.5 (0.2-1.0)	0.4 (0.2-0.8)
4	5.7 (2.7-9.1)	3.5 (1.6-5.6)	2.1 (0.9-3.3)	1.6 (0.7-2.6)	1.2 (0.5-2.0)	0.9 (0.4-1.5)	0.7 (0.3-1.2)
5	9.6 (5.0-12)	6.0 (3.1-7.8)	3.6 (1.9-4.7)	2.8 (1.4-3.7)	2.1 (1.1-2.8)	1.7 (0.9-2.2)	1.3 (0.7-1.7)
6	16	10	6.2	4.8	3.7	2.9	2.2

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	1.2	0.7	0.4	0.3	0.3	0.2	0.2
1	2.2 (1.6-3.5)	1.3 (1.0-2.2)	0.8 (0.6-1.3)	0.6 (0.4-1.0)	0.5 (0.3-0.8)	0.4 (0.3-0.6)	0.3 (0.2-0.4)
2	3.8 (2.2-6.4)	2.4 (1.4-4.2)	1.4 (0.8-2.5)	1.1 (0.6-1.9)	0.8 (0.5-1.5)	0.6 (0.4-1.2)	0.5 (0.3-0.9)
3	6.4 (3.3-11)	4.1 (2.1-7.2)	2.5 (1.3-4.4)	1.9 (1.0-3.4)	1.5 (0.7-2.6)	1.1 (0.6-2.0)	0.9 (0.4-1.6)
4	10 (5.8-16)	7.0 (3.7-11)	4.3 (2.2-6.7)	3.3 (1.7-5.2)	2.6 (1.3-4.0)	2.0 (1.0-3.1)	1.5 (0.8-2.4)
5	17 (10-20)	11 (6.8-14)	7.2 (4.3-9.3)	5.6 (3.3-7.2)	4.3 (2.6-5.6)	3.4 (2.0-4.3)	2.6 (1.5-3.3)
6	25	18	12	9.3	7.2	5.6	4.3

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

Age = 65 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	2.3	1.5	0.9	0.7	0.5	0.4	0.3
1	3.9 (3.0-5.6)	2.5 (1.9-3.6)	1.5 (1.2-2.2)	1.2 (0.9-1.7)	0.9 (0.7-1.3)	0.7 (0.5-1.0)	0.5 (0.4-0.8)
2	6.4 (4.0-9.6)	4.2 (2.6-6.6)	2.6 (1.6-4.2)	2.0 (1.3-3.2)	1.5 (1.0-2.5)	1.2 (0.7-1.9)	0.9 (0.6-1.5)
3	10 (6.0-16)	7.0 (4.0-11)	4.4 (2.5-7.3)	3.4 (1.9-5.7)	2.6 (1.5-4.4)	2.0 (1.1-3.4)	1.5 (0.9-2.6)
4	16 (9.8-23)	11 (6.9-17)	7.3 (4.3-11)	5.7 (3.3-8.5)	4.4 (2.6-6.6)	3.4 (2.0-5.1)	2.6 (1.5-3.9)
5	23 (16-28)	17 (12-21)	12 (8.1-15)	9.2 (6.3-11)	7.2 (4.8-8.9)	5.5 (3.7-6.9)	4.3 (2.8-5.3)
6	33	26	19	15	11	8.9	6.9

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	3.4	2.2	1.4	1.1	0.8	0.6	0.5
1	5.8 (4.3-7.0)	3.9 (3.0-4.7)	2.5 (1.9-3.0)	1.9 (1.5-2.3)	1.5 (1.1-1.8)	1.1 (0.9-1.4)	0.9 (0.7-1.0)
2	9.7 (6.4-14)	6.8 (4.5-9.7)	4.5 (2.9-6.2)	3.4 (2.3-4.8)	2.6 (1.7-3.7)	2.0 (1.3-2.9)	1.5 (1.0-2.2)
3	16 (10-23)	12 (7.6-16)	7.8 (5.1-11)	6.0 (3.9-8.8)	4.6 (3.0-6.8)	3.6 (2.3-5.3)	2.7 (1.8-4.0)
4	24 (17-33)	19 (13-26)	13 (9.1-19)	10 (7.1-15)	8.0 (5.4-12)	6.2 (4.2-9.0)	4.7 (3.2-7.0)
5	35 (30-44)	29 (24-36)	22 (18-27)	17 (14-22)	13 (11-17)	10 (8.6-13)	8.1 (6.6-10)
6	48	42	33	27	22	17	13

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

Age = 75 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	4.2	3.0	2.0	1.5	1.2	0.9	0.7
1	7.7 (5.2-14)	5.7 (3.9-10)	3.9 (2.7-6.8)	2.9 (2.0-5.2)	2.3 (1.6-4.0)	1.7 (1.2-3.1)	1.3 (0.9-2.4)
2	13 (7.7-23)	10 (5.8-17)	7.1 (4.0-12)	5.5 (3.1-9.2)	4.2 (2.4-7.2)	3.2 (1.8-5.5)	2.5 (1.4-4.2)
3	22 (11-34)	17 (9.2-27)	13 (6.9-20)	9.9 (5.3-16)	7.6 (4.0-12)	5.9 (3.0-9.5)	4.5 (2.3-7.3)
4	32 (19-45)	27 (15-39)	21 (12-31)	17 (9.0-25)	13 (6.9-20)	10 (5.3-16)	7.9 (4.0-12)
5	45 (29-55)	40 (25-50)	33 (20-42)	27 (16-35)	22 (12-28)	17 (9.3-23)	13 (7.2-18)
6	58	54	48	40	33	27	22

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	5.1	3.9	2.7	2.0	1.6	1.2	0.9
1	9.0 (6.1-16)	7.0 (4.8-13)	5.0 (3.5-9.0)	3.8 (2.7-6.9)	2.9 (2.0-5.3)	2.2 (1.5-4.1)	1.7 (1.2-3.1)
2	15 (8.9-25)	12 (7.1-20)	8.8 (5.3-15)	6.8 (4.0-12)	5.2 (3.0-9.1)	4.0 (2.3-7.0)	3.0 (1.8-5.4)
3	23 (13-35)	19 (11-29)	15 (8.0-24)	12 (6.1-19)	9.0 (4.7-15)	6.9 (3.6-11)	5.3 (2.7-8.8)
4	33 (19-45)	29 (16-39)	24 (13-33)	19 (9.8-27)	15 (7.5-22)	12 (5.7-17)	8.9 (4.4-13)
5	45 (29-54)	40 (25-49)	35 (21-44)	29 (16-36)	23 (13-30)	18 (9.8-24)	14 (7.5-19)
6	57	53	48	41	34	28	22

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

Age = 85 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	5.7	4.3	3.1	2.4	1.8	1.4	1.0
1	9.9 (6.7-18)	7.8 (5.3-14)	5.7 (4.0-10)	4.4 (3.0-7.9)	3.3 (2.3-6.1)	2.5 (1.7-4.6)	1.9 (1.3-3.5)
2	16 (9.9-27)	13 (7.9-23)	10 (5.9-17)	7.7 (4.5-13)	5.9 (3.4-10)	4.5 (2.6-8.0)	3.4 (2.0-6.1)
3	25 (14-37)	21 (12-32)	17 (9.0-26)	13 (6.9-21)	10 (5.3-16)	7.8 (4.0-13)	5.9 (3.0-9.8)
4	36 (21-47)	31 (17-42)	26 (14-36)	21 (11-29)	16 (8.3-24)	13 (6.4-19)	9.9 (4.8-15)
5	47 (31-56)	43 (27-52)	38 (23-46)	31 (18-39)	25 (14-32)	20 (11-26)	16 (8.3-21)
6	59	55	51	44	37	30	24

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	5.1	3.9	2.9	2.2	1.7	1.2	0.9
1	9.0 (6.1-16)	7.0 (4.8-13)	5.3 (3.6-9.5)	4.0 (2.7-7.3)	3.0 (2.1-5.6)	2.3 (1.6-4.3)	1.7 (1.2-3.2)
2	15 (9.0-25)	12 (7.1-21)	9.2 (5.4-16)	7.1 (4.1-12)	5.4 (3.1-9.6)	4.1 (2.4-7.4)	3.1 (1.8-5.6)
3	23 (13-35)	19 (11-29)	15 (8.3-24)	12 (6.3-19)	9.2 (4.8-15)	7.1 (3.6-12)	5.4 (2.8-8.9)
4	33 (19-45)	29 (16-39)	24 (13-33)	19 (9.8-27)	15 (7.5-22)	12 (5.7-17)	9.0 (4.3-13)
5	45 (29-54)	40 (25-49)	35 (21-44)	29 (16-36)	23 (13-30)	18 (9.7-24)	14 (7.4-19)
6	56	53	48	41	34	28	22