

Singapore (Malay) - 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 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	0.4	0.2	0.1	0.1	0.1	0.1	0.0
1	0.8 (0.5-1.5)	0.4 (0.3-0.8)	0.2 (0.1-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.2)
2	1.5 (0.7-3.2)	0.8 (0.4-1.7)	0.4 (0.2-0.9)	0.3 (0.2-0.7)	0.3 (0.1-0.6)	0.2 (0.1-0.4)	0.2 (0.1-0.3)
3	2.8 (1.1-5.5)	1.5 (0.6-3.0)	0.8 (0.3-1.7)	0.6 (0.3-1.3)	0.5 (0.2-1.0)	0.4 (0.2-0.8)	0.3 (0.1-0.6)
4	5.1 (2.0-8.3)	2.8 (1.1-4.6)	1.5 (0.6-2.5)	1.2 (0.5-2.0)	0.9 (0.4-1.5)	0.7 (0.3-1.2)	0.6 (0.2-0.9)
5	9.1 (4.2-12)	5.1 (2.3-6.8)	2.8 (1.3-3.8)	2.2 (1.0-2.9)	1.7 (0.8-2.3)	1.3 (0.6-1.8)	1.0 (0.5-1.4)
6	16	8.9	4.9	3.8	3.0	2.3	1.8

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

Age = 55 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	1.0	0.5	0.3	0.2	0.2	0.1	0.1
1	1.8 (1.2-3.2)	1.0 (0.7-1.8)	0.5 (0.4-1.0)	0.4 (0.3-0.7)	0.3 (0.2-0.6)	0.3 (0.2-0.4)	0.2 (0.1-0.3)
2	3.4 (1.8-6.6)	1.9 (1.0-3.7)	1.0 (0.6-2.0)	0.8 (0.4-1.6)	0.6 (0.3-1.2)	0.5 (0.3-1.0)	0.4 (0.2-0.7)
3	6.1 (2.8-11)	3.4 (1.6-6.4)	1.9 (0.8-3.6)	1.5 (0.7-2.8)	1.1 (0.5-2.2)	0.9 (0.4-1.7)	0.7 (0.3-1.3)
4	11 (4.9-17)	6.1 (2.7-9.7)	3.4 (1.5-5.4)	2.6 (1.2-4.2)	2.1 (0.9-3.3)	1.6 (0.7-2.6)	1.2 (0.5-2.0)
5	18 (10-24)	11 (5.7-14)	6.0 (3.2-8.0)	4.7 (2.5-6.2)	3.6 (1.9-4.9)	2.8 (1.5-3.8)	2.2 (1.1-3.0)
6	30	18	10	8.1	6.3	5.0	3.9

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	2.3	1.3	0.7	0.6	0.4	0.3	0.3
1	4.2 (3.0-6.6)	2.4 (1.7-3.7)	1.3 (0.9-2.0)	1.0 (0.7-1.6)	0.8 (0.6-1.2)	0.6 (0.4-1.0)	0.5 (0.3-0.7)
2	7.4 (4.4-13)	4.3 (2.5-7.6)	2.4 (1.4-4.3)	1.8 (1.1-3.3)	1.4 (0.8-2.6)	1.1 (0.6-2.0)	0.9 (0.5-1.6)
3	13 (6.6-22)	7.5 (3.8-13)	4.2 (2.1-7.5)	3.3 (1.6-5.8)	2.5 (1.3-4.5)	2.0 (1.0-3.5)	1.5 (0.8-2.8)
4	21 (11-31)	13 (6.6-19)	7.3 (3.7-11)	5.7 (2.9-8.8)	4.5 (2.2-6.9)	3.5 (1.7-5.4)	2.7 (1.3-4.2)
5	33 (22-41)	21 (13-27)	12 (7.6-16)	9.8 (5.9-13)	7.7 (4.6-10)	6.0 (3.6-7.8)	4.7 (2.8-6.1)
6	49	33	21	16	13	10	7.9

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

Age = 65 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	4.5	2.6	1.5	1.1	0.9	0.7	0.5
1	7.8 (5.9-11)	4.5 (3.4-6.3)	2.6 (1.9-3.6)	2.0 (1.5-2.8)	1.5 (1.1-2.2)	1.2 (0.9-1.7)	0.9 (0.7-1.3)
2	13 (8.3-20)	7.8 (4.9-13)	4.5 (2.8-7.3)	3.5 (2.2-5.7)	2.7 (1.7-4.5)	2.1 (1.3-3.5)	1.6 (1.0-2.7)
3	21 (12-32)	13 (7.4-21)	7.6 (4.3-13)	6.0 (3.3-9.9)	4.6 (2.6-7.7)	3.6 (2.0-6.0)	2.8 (1.5-4.7)
4	32 (21-44)	21 (13-30)	13 (7.4-19)	10 (5.8-15)	7.8 (4.5-12)	6.1 (3.5-9.1)	4.8 (2.7-7.1)
5	46 (35-54)	33 (24-39)	21 (15-26)	16 (12-21)	13 (9.0-16)	10 (7.0-13)	8.0 (5.5-10)
6	62	48	32	26	21	17	13

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	6.8	4.1	2.4	1.8	1.4	1.1	0.9
1	12 (9.4-14)	7.4 (5.8-8.6)	4.3 (3.4-5.0)	3.4 (2.7-3.9)	2.6 (2.1-3.0)	2.0 (1.6-2.3)	1.6 (1.2-1.8)
2	20 (14-27)	13 (8.7-17)	7.8 (5.2-10)	6.1 (4.0-8.1)	4.7 (3.1-6.3)	3.7 (2.4-4.9)	2.8 (1.9-3.8)
3	32 (23-43)	22 (15-31)	14 (9.0-20)	11 (7.0-16)	8.4 (5.5-12)	6.5 (4.2-9.7)	5.1 (3.3-7.6)
4	47 (36-60)	35 (26-47)	23 (17-32)	18 (13-26)	15 (11-21)	11 (8.2-16)	9.0 (6.4-13)
5	63 (57-71)	52 (46-60)	37 (32-44)	30 (26-36)	24 (21-30)	20 (17-24)	15 (13-19)
6	75	68	55	47	39	32	26

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

Age = 75 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	9.0	5.7	3.5	2.7	2.1	1.6	1.2
1	16 (12-27)	11 (7.8-18)	6.8 (4.9-12)	5.3 (3.8-9.1)	4.1 (2.9-7.1)	3.1 (2.2-5.5)	2.4 (1.7-4.2)
2	27 (17-42)	19 (12-31)	13 (7.4-21)	9.9 (5.7-17)	7.7 (4.4-13)	6.0 (3.4-10)	4.7 (2.6-8.0)
3	42 (26-58)	32 (19-47)	22 (13-35)	18 (9.9-28)	14 (7.7-23)	11 (5.9-18)	8.6 (4.6-14)
4	57 (39-70)	48 (31-63)	37 (22-51)	30 (17-43)	24 (13-36)	19 (11-29)	15 (8.2-23)
5	70 (55-77)	64 (47-73)	54 (36-64)	46 (29-56)	39 (24-48)	32 (19-40)	26 (15-33)
6	79	77	71	64	56	48	40

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	11	7.4	4.7	3.6	2.8	2.1	1.6
1	18 (13-31)	13 (9.6-23)	8.8 (6.4-15)	6.8 (5.0-12)	5.3 (3.8-9.4)	4.1 (2.9-7.3)	3.1 (2.2-5.6)
2	29 (19-45)	22 (14-36)	16 (9.6-26)	12 (7.4-21)	9.6 (5.7-17)	7.4 (4.4-13)	5.8 (3.4-10)
3	42 (27-57)	35 (21-50)	26 (14-40)	21 (11-33)	17 (8.8-27)	13 (6.8-21)	10 (5.2-17)
4	55 (37-67)	49 (31-61)	40 (24-53)	33 (19-45)	27 (15-37)	21 (12-31)	17 (9.0-25)
5	66 (51-74)	62 (45-71)	55 (37-65)	48 (30-57)	40 (24-49)	33 (19-41)	27 (15-34)
6	75	73	70	63	56	48	40

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

Age = 85 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	11	7.9	5.3	4.1	3.1	2.4	1.8
1	18 (13-31)	14 (10-24)	9.7 (7.0-17)	7.5 (5.4-13)	5.8 (4.1-10)	4.5 (3.1-8.0)	3.4 (2.4-6.2)
2	29 (19-45)	23 (15-37)	17 (10-28)	13 (8.1-22)	10 (6.2-17)	8.0 (4.7-14)	6.2 (3.6-11)
3	41 (27-56)	35 (21-50)	27 (16-42)	22 (12-34)	17 (9.4-28)	14 (7.3-22)	11 (5.6-18)
4	54 (36-66)	48 (31-61)	41 (25-54)	34 (20-46)	28 (15-38)	22 (12-31)	18 (9.2-25)
5	65 (50-72)	61 (45-70)	56 (38-65)	48 (31-57)	41 (25-50)	34 (20-42)	28 (15-35)
6	73	72	69	62	55	48	40

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	8.8	6.6	4.7	3.6	2.7	2.1	1.6
1	15 (11-26)	12 (8.2-20)	8.5 (6.0-15)	6.6 (4.6-12)	5.0 (3.5-9.1)	3.8 (2.6-7.0)	2.9 (2.0-5.4)
2	24 (15-38)	19 (12-32)	15 (8.9-25)	11 (6.9-19)	8.9 (5.3-15)	6.8 (4.0-12)	5.2 (3.0-9.2)
3	35 (22-50)	30 (18-43)	24 (13-36)	19 (10-30)	15 (8.0-24)	12 (6.1-19)	9.0 (4.7-15)
4	48 (31-60)	42 (26-54)	36 (21-48)	29 (16-40)	24 (13-33)	19 (9.8-27)	15 (7.5-21)
5	59 (44-67)	55 (38-64)	49 (32-59)	42 (26-51)	35 (21-44)	29 (16-37)	23 (13-30)
6	68	67	63	56	49	41	34