

Singapore (Chinese) - 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 (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	0.4	0.2	0.1	0.1	0.1	0.1	0.0
1	0.9 (0.6-1.7)	0.5 (0.3-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.2)
2	1.7 (0.9-3.6)	0.9 (0.5-2.0)	0.5 (0.2-1.1)	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	3.2 (1.3-6.3)	1.7 (0.7-3.5)	0.9 (0.4-1.9)	0.7 (0.3-1.5)	0.6 (0.2-1.1)	0.4 (0.2-0.9)	0.3 (0.1-0.7)
4	5.9 (2.3-9.5)	3.2 (1.2-5.2)	1.7 (0.7-2.8)	1.3 (0.5-2.2)	1.0 (0.4-1.7)	0.8 (0.3-1.3)	0.6 (0.2-1.0)
5	10 (4.8-14)	5.8 (2.6-7.8)	3.1 (1.4-4.3)	2.4 (1.1-3.3)	1.9 (0.9-2.6)	1.5 (0.7-2.0)	1.1 (0.5-1.6)
6	18	10	5.6	4.3	3.4	2.6	2.1

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

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	1.9 (1.3-3.3)	1.0 (0.7-1.8)	0.6 (0.4-1.0)	0.4 (0.3-0.8)	0.3 (0.2-0.6)	0.3 (0.2-0.5)	0.2 (0.1-0.4)
2	3.6 (1.9-7.0)	2.0 (1.1-3.9)	1.1 (0.6-2.1)	0.8 (0.4-1.6)	0.6 (0.3-1.3)	0.5 (0.3-1.0)	0.4 (0.2-0.8)
3	6.5 (3.0-12)	3.6 (1.6-6.7)	1.9 (0.9-3.7)	1.5 (0.7-2.9)	1.2 (0.5-2.2)	0.9 (0.4-1.7)	0.7 (0.3-1.4)
4	11 (5.2-18)	6.4 (2.8-10)	3.5 (1.5-5.6)	2.7 (1.2-4.3)	2.1 (0.9-3.4)	1.7 (0.7-2.6)	1.3 (0.6-2.1)
5	20 (11-25)	11 (6.0-15)	6.2 (3.3-8.3)	4.9 (2.5-6.5)	3.8 (2.0-5.1)	3.0 (1.5-4.0)	2.3 (1.2-3.1)
6	32	19	11	8.4	6.6	5.2	4.0

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	2.3	1.3	0.7	0.5	0.4	0.3	0.2
1	4.2 (3.0-6.5)	2.3 (1.6-3.6)	1.3 (0.9-2.0)	1.0 (0.7-1.5)	0.8 (0.5-1.2)	0.6 (0.4-0.9)	0.5 (0.3-0.7)
2	7.5 (4.4-13)	4.2 (2.5-7.5)	2.3 (1.3-4.2)	1.8 (1.0-3.2)	1.4 (0.8-2.5)	1.1 (0.6-2.0)	0.8 (0.5-1.5)
3	13 (6.7-22)	7.4 (3.7-13)	4.1 (2.0-7.2)	3.2 (1.6-5.7)	2.5 (1.2-4.4)	1.9 (1.0-3.4)	1.5 (0.7-2.7)
4	22 (12-32)	13 (6.5-19)	7.1 (3.6-11)	5.6 (2.8-8.5)	4.4 (2.2-6.7)	3.4 (1.7-5.2)	2.6 (1.3-4.1)
5	35 (23-43)	21 (13-27)	12 (7.5-16)	9.6 (5.8-13)	7.5 (4.6-9.8)	5.9 (3.6-7.7)	4.6 (2.8-6.0)
6	52	34	20	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 (Chinese).

Age = 65 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	4.9	2.7	1.5	1.2	0.9	0.7	0.5
1	8.5 (6.4-12)	4.8 (3.6-6.7)	2.7 (2.0-3.7)	2.1 (1.5-2.9)	1.6 (1.2-2.2)	1.2 (0.9-1.7)	1.0 (0.7-1.3)
2	14 (9.2-23)	8.3 (5.3-13)	4.6 (2.9-7.7)	3.6 (2.3-6.0)	2.8 (1.8-4.7)	2.2 (1.4-3.6)	1.7 (1.1-2.8)
3	23 (14-36)	14 (7.9-23)	8.0 (4.4-13)	6.2 (3.4-10)	4.9 (2.7-8.1)	3.8 (2.1-6.4)	3.0 (1.6-5.0)
4	36 (23-49)	23 (14-32)	13 (7.7-19)	11 (6.0-15)	8.3 (4.7-12)	6.5 (3.7-9.6)	5.1 (2.8-7.5)
5	52 (41-61)	35 (26-43)	22 (16-27)	17 (12-22)	14 (9.6-17)	11 (7.6-14)	8.5 (5.9-11)
6	70	52	34	28	22	18	14

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	8.8	5.1	2.8	2.2	1.7	1.3	1.0
1	15 (12-18)	9.2 (7.4-11)	5.2 (4.2-6.0)	4.1 (3.3-4.7)	3.2 (2.5-3.7)	2.5 (2.0-2.8)	1.9 (1.5-2.2)
2	26 (18-34)	16 (11-21)	9.4 (6.3-12)	7.4 (4.9-9.7)	5.8 (3.8-7.6)	4.5 (3.0-6.0)	3.5 (2.3-4.6)
3	41 (30-54)	27 (19-38)	17 (11-24)	13 (8.6-19)	10 (6.7-15)	8.1 (5.2-12)	6.3 (4.1-9.4)
4	59 (48-72)	43 (34-56)	28 (21-38)	23 (17-31)	18 (13-25)	14 (10-20)	11 (8.2-16)
5	75 (71-82)	62 (56-70)	44 (39-52)	37 (32-43)	30 (26-36)	24 (21-29)	19 (17-23)
6	85	79	64	55	47	39	32

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

Age = 75 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	14	8.4	4.9	3.8	2.9	2.3	1.8
1	25 (18-39)	16 (12-26)	9.5 (7.0-16)	7.5 (5.5-13)	5.8 (4.3-9.9)	4.5 (3.3-7.8)	3.5 (2.5-6.1)
2	40 (26-57)	28 (17-44)	18 (11-30)	14 (8.2-24)	11 (6.4-19)	8.7 (5.0-15)	6.8 (3.9-12)
3	57 (41-74)	45 (28-62)	31 (18-47)	25 (14-39)	20 (11-32)	16 (8.6-25)	13 (6.7-20)
4	72 (57-83)	63 (44-78)	49 (30-65)	41 (24-56)	34 (19-48)	27 (15-40)	22 (12-33)
5	82 (72-87)	78 (63-85)	68 (49-77)	60 (41-70)	52 (34-62)	44 (27-53)	37 (22-45)
6	87	87	84	78	71	64	55

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	19	13	7.8	6.0	4.7	3.6	2.8
1	31 (24-48)	22 (17-36)	14 (11-24)	11 (8.4-19)	8.9 (6.5-15)	6.9 (5.1-12)	5.4 (3.9-9.4)
2	46 (33-64)	36 (24-53)	25 (16-41)	20 (13-34)	16 (9.8-27)	13 (7.6-22)	9.8 (5.9-17)
3	60 (44-74)	52 (34-69)	40 (24-58)	33 (19-50)	27 (15-42)	21 (12-34)	17 (9.0-28)
4	72 (57-81)	66 (49-78)	57 (37-71)	49 (30-63)	41 (24-55)	34 (19-47)	28 (15-39)
5	80 (69-84)	78 (64-83)	72 (55-80)	66 (47-74)	58 (39-67)	50 (32-60)	43 (26-51)
6	84	84	83	79	73	67	59

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

Age = 85 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	21	15	10	7.8	6.1	4.7	3.6
1	34 (26-51)	26 (19-41)	18 (14-30)	14 (11-24)	11 (8.2-19)	8.7 (6.3-15)	6.7 (4.8-12)
2	47 (35-65)	40 (28-58)	30 (20-46)	24 (16-39)	19 (12-32)	15 (9.4-26)	12 (7.3-20)
3	60 (46-74)	54 (38-69)	45 (28-63)	38 (23-55)	31 (18-47)	25 (14-39)	20 (11-32)
4	71 (56-80)	67 (51-78)	61 (43-73)	53 (36-67)	46 (29-59)	39 (23-51)	32 (18-44)
5	78 (68-82)	77 (65-82)	74 (58-81)	68 (51-76)	61 (43-70)	54 (36-63)	46 (29-55)
6	81	83	82	78	74	68	61

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	19	14	9.7	7.5	5.8	4.4	3.4
1	30 (22-46)	24 (17-38)	17 (13-29)	13 (9.8-23)	11 (7.5-18)	8.1 (5.8-14)	6.3 (4.4-11)
2	43 (31-61)	36 (25-54)	28 (18-44)	23 (14-36)	18 (11-29)	14 (8.6-24)	11 (6.6-19)
3	56 (42-70)	50 (34-65)	42 (27-59)	35 (21-51)	29 (17-43)	23 (13-36)	19 (10-29)
4	67 (52-77)	63 (46-74)	57 (39-70)	50 (32-63)	42 (26-55)	35 (21-48)	29 (16-40)
5	74 (65-78)	73 (61-79)	70 (54-77)	64 (47-72)	57 (39-66)	50 (32-59)	42 (26-51)
6	75	79	79	75	70	64	57