

Singapore (Indian) - The probabilities of a hip fracture in men

The following tables give the 10-year probability (%) of a hip fracture according to the T-score for femoral neck BMD, the number of clinical risk factors (CRF) and age. Each table provides a mean estimate and a range, based on the epidemiology of Singapore (Indian). The range is not a confidence interval, but because the weight of different risk factors varies, is a true range.

Note that the BMI is set at 24 kg/m².

Age = 50 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	8.3	4.5	2.4	1.2	0.7	0.3	0.2	0.1	0.1	0.0	0.0
1	13 (8.7-17)	7.0 (4.7-9.3)	3.8 (2.5-5.0)	2.0 (1.3-2.6)	1.0 (0.7-1.4)	0.6 (0.4-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)	0.0 (0.0-0.1)	0.0 (0.0-0.0)
2	20 (12-28)	11 (6.6-16)	5.9 (3.5-8.9)	3.2 (1.9-4.8)	1.7 (1.0-2.5)	0.9 (0.5-1.3)	0.5 (0.3-0.7)	0.2 (0.1-0.4)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	0.0 (0.0-0.1)
3	29 (18-42)	17 (9.9-25)	9.1 (5.3-14)	4.9 (2.8-7.9)	2.6 (1.5-4.2)	1.4 (0.8-2.2)	0.7 (0.4-1.2)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
4	40 (28-55)	24 (16-36)	14 (8.8-21)	7.6 (4.7-12)	4.1 (2.5-6.4)	2.2 (1.3-3.4)	1.1 (0.7-1.8)	0.6 (0.4-1.0)	0.3 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
5	54 (44-66)	35 (27-46)	20 (15-28)	11 (8.4-16)	6.2 (4.5-8.9)	3.3 (2.4-4.8)	1.8 (1.3-2.6)	0.9 (0.7-1.3)	0.5 (0.4-0.7)	0.3 (0.2-0.4)	0.1 (0.1-0.2)
6	68	48	29	17	9.4	5.0	2.7	1.4	0.8	0.4	0.2

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

Age = 55 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	11	5.9	3.3	1.8	1.0	0.5	0.3	0.2	0.1	0.1	0.0
1	16 (11-20)	9.1 (6.2-11)	5.1 (3.4-6.3)	2.8 (1.9-3.5)	1.5 (1.0-1.9)	0.8 (0.6-1.1)	0.5 (0.3-0.6)	0.3 (0.2-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.1)	0.0 (0.0-0.1)
2	23 (15-32)	14 (8.7-19)	7.8 (4.8-11)	4.3 (2.7-6.3)	2.4 (1.5-3.5)	1.3 (0.8-1.9)	0.7 (0.4-1.0)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
3	33 (22-45)	20 (13-29)	12 (7.3-17)	6.6 (4.0-10)	3.7 (2.2-5.7)	2.0 (1.2-3.1)	1.1 (0.7-1.7)	0.6 (0.4-1.0)	0.3 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
4	45 (34-58)	29 (20-40)	17 (12-25)	10 (6.7-15)	5.6 (3.7-8.5)	3.1 (2.0-4.8)	1.7 (1.1-2.6)	0.9 (0.6-1.4)	0.5 (0.3-0.8)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
5	58 (50-69)	40 (33-51)	25 (20-33)	15 (12-20)	8.4 (6.5-12)	4.7 (3.6-6.7)	2.6 (2.0-3.7)	1.4 (1.1-2.1)	0.8 (0.6-1.2)	0.5 (0.4-0.7)	0.3 (0.2-0.4)
6	70	52	35	21	12	7.0	3.9	2.2	1.2	0.7	0.4

Age = 60 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	13	8.0	4.7	2.8	1.6	0.9	0.5	0.3	0.2	0.1	0.1
1	20 (14-23)	12 (8.4-14)	7.2 (5.0-8.4)	4.2 (2.9-5.0)	2.5 (1.7-2.9)	1.4 (1.0-1.7)	0.8 (0.6-1.0)	0.5 (0.3-0.6)	0.3 (0.2-0.3)	0.2 (0.1-0.2)	0.1 (0.1-0.1)
2	28 (19-36)	18 (12-23)	11 (7.0-14)	6.4 (4.1-8.7)	3.8 (2.4-5.2)	2.2 (1.4-3.0)	1.3 (0.8-1.8)	0.7 (0.5-1.0)	0.4 (0.3-0.6)	0.3 (0.2-0.4)	0.2 (0.1-0.2)
3	38 (27-48)	25 (17-34)	16 (10-22)	9.5 (6.2-14)	5.6 (3.6-8.2)	3.3 (2.1-4.9)	1.9 (1.2-2.9)	1.1 (0.7-1.7)	0.7 (0.4-1.0)	0.4 (0.3-0.6)	0.2 (0.2-0.4)
4	49 (40-61)	34 (26-45)	22 (16-31)	14 (9.9-20)	8.4 (5.9-12)	5.0 (3.5-7.3)	2.9 (2.0-4.3)	1.7 (1.2-2.6)	1.0 (0.7-1.5)	0.6 (0.4-0.9)	0.4 (0.3-0.6)
5	61 (55-70)	45 (40-56)	31 (26-40)	20 (17-27)	12 (10-17)	7.3 (6.1-10)	4.4 (3.6-6.1)	2.6 (2.1-3.6)	1.5 (1.3-2.2)	0.9 (0.8-1.3)	0.6 (0.5-0.8)
6	71	57	41	28	18	11	6.4	3.8	2.3	1.4	0.8

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

Age = 65 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	16	9.9	6.2	3.9	2.4	1.5	0.9	0.6	0.4	0.2	0.1
1	22 (16-25)	14 (10-17)	9.2 (6.5-11)	5.8 (4.1-6.7)	3.6 (2.5-4.2)	2.2 (1.5-2.6)	1.4 (1.0-1.6)	0.9 (0.6-1.0)	0.5 (0.4-0.6)	0.3 (0.2-0.4)	0.2 (0.2-0.3)
2	31 (22-38)	21 (14-26)	13 (9.1-17)	8.5 (5.7-11)	5.3 (3.6-7.0)	3.3 (2.2-4.3)	2.1 (1.4-2.7)	1.3 (0.8-1.7)	0.8 (0.5-1.1)	0.5 (0.3-0.7)	0.3 (0.2-0.4)
3	41 (31-50)	29 (21-37)	19 (14-25)	12 (8.6-17)	7.9 (5.4-11)	4.9 (3.3-6.9)	3.1 (2.1-4.3)	1.9 (1.3-2.7)	1.2 (0.8-1.7)	0.8 (0.5-1.1)	0.5 (0.3-0.7)
4	52 (44-62)	38 (31-48)	26 (21-35)	18 (13-24)	11 (8.6-16)	7.2 (5.4-10)	4.5 (3.3-6.5)	2.8 (2.1-4.1)	1.8 (1.3-2.6)	1.2 (0.9-1.7)	0.7 (0.5-1.1)
5	62 (58-70)	49 (45-58)	36 (32-45)	25 (21-32)	16 (14-22)	10 (8.8-14)	6.6 (5.5-9.1)	4.2 (3.5-5.8)	2.7 (2.2-3.7)	1.7 (1.4-2.4)	1.1 (0.9-1.5)
6	71	60	46	33	23	15	9.5	6.1	3.9	2.5	1.6

Age = 70 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	15	10	6.9	4.5	3.0	1.9	1.3	0.8	0.6	0.4	0.3
1	24 (21-30)	16 (14-21)	11 (9.6-14)	7.4 (6.4-9.4)	4.9 (4.2-6.3)	3.2 (2.7-4.1)	2.1 (1.8-2.7)	1.4 (1.2-1.8)	0.9 (0.8-1.2)	0.6 (0.5-0.8)	0.4 (0.4-0.5)
2	35 (30-44)	25 (21-32)	18 (14-23)	12 (9.6-16)	8.0 (6.3-11)	5.3 (4.2-7.1)	3.5 (2.7-4.7)	2.3 (1.8-3.1)	1.6 (1.2-2.1)	1.0 (0.8-1.4)	0.7 (0.5-1.0)
3	49 (41-57)	37 (30-44)	27 (21-33)	19 (14-23)	13 (9.6-16)	8.5 (6.4-11)	5.6 (4.2-7.3)	3.8 (2.8-4.9)	2.6 (1.9-3.4)	1.7 (1.3-2.3)	1.2 (0.8-1.5)
4	63 (54-69)	51 (42-57)	39 (31-44)	28 (22-33)	20 (15-23)	14 (10-16)	9.1 (6.7-11)	6.2 (4.5-7.5)	4.2 (3.0-5.2)	2.8 (2.1-3.5)	1.9 (1.4-2.4)
5	74 (67-76)	64 (56-67)	52 (44-56)	40 (33-44)	30 (24-33)	21 (16-23)	14 (11-16)	9.8 (7.6-11)	6.8 (5.2-7.7)	4.6 (3.6-5.3)	3.1 (2.4-3.6)
6	81	75	66	54	42	31	22	15	11	7.4	5.1

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

Age = 75 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	14	9.6	6.8	4.7	3.3	2.3	1.6	1.1	0.8	0.6	0.4
1	24 (19-44)	17 (13-34)	13 (9.4-26)	9.0 (6.6-19)	6.3 (4.6-13)	4.4 (3.2-9.4)	3.1 (2.2-6.6)	2.2 (1.6-4.7)	1.6 (1.1-3.4)	1.1 (0.8-2.4)	0.8 (0.6-1.7)
2	37 (25-58)	28 (18-48)	21 (13-38)	16 (9.3-29)	11 (6.5-21)	8.1 (4.5-15)	5.7 (3.1-11)	4.1 (2.2-7.9)	2.9 (1.6-5.7)	2.1 (1.1-4.1)	1.5 (0.8-2.9)
3	51 (34-68)	42 (26-59)	33 (19-49)	26 (14-39)	19 (9.7-30)	14 (6.8-22)	9.9 (4.7-16)	7.2 (3.4-12)	5.2 (2.4-8.6)	3.8 (1.7-6.2)	2.7 (1.2-4.5)
4	65 (45-76)	57 (36-69)	48 (27-59)	39 (20-49)	30 (14-39)	23 (10-30)	17 (7.3-23)	12 (5.2-17)	9.0 (3.8-13)	6.5 (2.7-9.3)	4.7 (1.9-6.8)
5	76 (57-81)	70 (48-76)	62 (38-68)	53 (30-59)	44 (22-49)	34 (16-39)	26 (12-30)	20 (8.5-23)	15 (6.2-17)	11 (4.5-13)	8.0 (3.2-9.5)
6	83	80	75	67	59	49	39	31	24	18	13

Age = 80 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	11	7.9	5.8	4.3	3.2	2.3	1.7	1.3	1.0	0.7	0.5
1	18 (14-36)	14 (10-28)	11 (7.6-22)	8.0 (5.6-17)	6.0 (4.1-13)	4.4 (3.0-9.6)	3.3 (2.2-7.2)	2.5 (1.7-5.5)	1.9 (1.3-4.1)	1.4 (1.0-3.1)	1.1 (0.7-2.4)
2	28 (18-47)	23 (14-39)	18 (11-31)	14 (7.9-25)	10 (5.8-19)	7.8 (4.3-15)	5.8 (3.2-11)	4.5 (2.4-8.7)	3.4 (1.8-6.6)	2.6 (1.4-5.1)	1.9 (1.0-3.8)
3	41 (24-57)	34 (19-50)	27 (15-42)	22 (11-34)	17 (8.3-27)	13 (6.2-21)	9.9 (4.6-16)	7.6 (3.5-13)	5.9 (2.7-9.9)	4.5 (2.0-7.6)	3.4 (1.5-5.8)
4	53 (33-66)	46 (27-59)	39 (21-51)	32 (16-43)	26 (12-35)	20 (9.2-28)	16 (6.9-22)	12 (5.3-17)	9.7 (4.0-14)	7.5 (3.1-11)	5.7 (2.3-8.3)
5	65 (43-71)	59 (36-65)	52 (29-58)	45 (23-51)	37 (18-43)	30 (14-36)	24 (11-29)	19 (8.2-23)	15 (6.3-19)	12 (4.8-15)	9.3 (3.7-11)
6	75	70	64	58	50	42	35	29	23	19	15

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

Age = 85 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	7.0	5.4	4.2	3.3	2.5	2.0	1.5	1.2	1.0	0.8	0.6
1	12 (9.0-25)	9.8 (7.1-21)	7.8 (5.5-17)	6.1 (4.3-13)	4.7 (3.3-10)	3.7 (2.6-8.1)	2.9 (2.0-6.4)	2.3 (1.6-5.2)	1.8 (1.3-4.1)	1.5 (1.0-3.3)	1.2 (0.8-2.6)
2	20 (12-35)	16 (9.6-29)	13 (7.6-24)	10 (5.9-19)	8.3 (4.6-15)	6.5 (3.6-12)	5.2 (2.8-9.8)	4.1 (2.3-7.9)	3.3 (1.8-6.4)	2.6 (1.4-5.1)	2.1 (1.1-4.1)
3	30 (16-45)	25 (13-38)	21 (10-32)	17 (8.3-27)	14 (6.5-22)	11 (5.1-18)	8.6 (4.0-14)	7.0 (3.2-12)	5.6 (2.6-9.5)	4.5 (2.0-7.7)	3.6 (1.6-6.2)
4	42 (23-54)	36 (19-47)	30 (15-41)	25 (12-35)	21 (9.6-29)	17 (7.6-24)	14 (6.0-19)	11 (4.8-16)	9.2 (3.9-13)	7.5 (3.1-11)	6.0 (2.5-8.6)
5	54 (31-60)	48 (26-54)	42 (21-48)	36 (17-42)	31 (14-36)	25 (11-30)	21 (8.9-25)	18 (7.3-21)	14 (5.9-17)	12 (4.7-14)	9.6 (3.8-12)
6	65	60	55	49	42	36	31	26	22	18	15

Age = 90 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	3.6	2.9	2.4	1.9	1.6	1.3	1.1	0.9	0.7	0.6	0.5
1	6.6 (4.7-14)	5.4 (3.8-12)	4.4 (3.1-9.8)	3.6 (2.5-8.0)	3.0 (2.1-6.6)	2.4 (1.7-5.4)	2.0 (1.4-4.5)	1.7 (1.2-3.8)	1.4 (1.0-3.1)	1.2 (0.8-2.6)	1.0 (0.7-2.2)
2	11 (6.3-20)	9.3 (5.2-17)	7.7 (4.2-14)	6.3 (3.5-12)	5.2 (2.8-9.8)	4.2 (2.3-8.0)	3.5 (1.9-6.7)	3.0 (1.6-5.7)	2.5 (1.3-4.8)	2.1 (1.1-4.0)	1.7 (0.9-3.4)
3	18 (8.8-28)	15 (7.2-24)	12 (5.9-20)	10 (4.9-17)	8.6 (4.0-14)	7.1 (3.2-12)	6.0 (2.7-10)	5.0 (2.3-8.5)	4.2 (1.9-7.1)	3.6 (1.6-6.0)	3.0 (1.3-5.1)
4	26 (13-36)	23 (10-31)	19 (8.7-27)	16 (7.1-23)	14 (5.9-19)	11 (4.8-16)	9.6 (4.0-14)	8.2 (3.4-12)	6.9 (2.9-9.9)	5.8 (2.4-8.4)	4.9 (2.0-7.1)
5	37 (18-42)	32 (15-37)	28 (13-33)	24 (11-28)	21 (8.7-24)	17 (7.2-21)	15 (6.0-18)	13 (5.1-15)	11 (4.3-13)	9.3 (3.6-11)	7.9 (3.0-9.5)
6	49	44	39	34	30	26	22	19	17	14	12