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

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	6.2	3.2	1.6	0.8	0.4	0.2	0.1	0.1	0.0	0.0	0.0
1	9.9 (6.5-13)	5.2 (3.4-6.7)	2.7 (1.7-3.5)	1.4 (0.9-1.8)	0.7 (0.5-0.9)	0.4 (0.2-0.5)	0.2 (0.1-0.2)	0.1 (0.1-0.1)	0.0 (0.0-0.1)	0.0 (0.0-0.0)	0.0 (0.0-0.0)
2	15 (9.1-23)	8.2 (4.8-12)	4.2 (2.5-6.5)	2.2 (1.3-3.3)	1.1 (0.6-1.7)	0.6 (0.3-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.2)	0.1 (0.1-0.1)	0.0 (0.0-0.1)	0.0 (0.0-0.0)
3	23 (14-36)	13 (7.2-20)	6.7 (3.7-11)	3.5 (1.9-5.7)	1.8 (1.0-3.0)	0.9 (0.5-1.5)	0.5 (0.3-0.8)	0.2 (0.1-0.4)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	0.0 (0.0-0.1)
4	34 (22-49)	19 (12-29)	10 (6.4-16)	5.4 (3.3-8.6)	2.8 (1.7-4.5)	1.4 (0.9-2.3)	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)
5	47 (38-61)	28 (22-39)	16 (12-22)	8.3 (6.1-12)	4.3 (3.2-6.3)	2.2 (1.6-3.3)	1.1 (0.8-1.7)	0.6 (0.4-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.2)	0.1 (0.1-0.1)
6	63	40	23	13	6.6	3.4	1.8	0.9	0.5	0.3	0.1

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in women 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	8.0	4.4	2.4	1.3	0.7	0.4	0.2	0.1	0.1	0.0	0.0
1	12 (8.4-15)	6.9 (4.6-8.4)	3.7 (2.5-4.6)	2.0 (1.3-2.5)	1.1 (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)	0.1 (0.0-0.1)	0.0 (0.0-0.0)
2	19 (12-26)	11 (6.5-15)	5.9 (3.5-8.5)	3.2 (1.9-4.6)	1.7 (1.0-2.5)	0.9 (0.6-1.4)	0.5 (0.3-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)	0.0 (0.0-0.1)
3	28 (17-41)	16 (9.7-25)	9.0 (5.3-14)	5.0 (2.9-7.9)	2.7 (1.6-4.3)	1.5 (0.8-2.3)	0.8 (0.5-1.3)	0.4 (0.3-0.7)	0.2 (0.1-0.4)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
4	39 (28-55)	24 (16-35)	14 (9.0-21)	7.6 (5.0-12)	4.2 (2.7-6.5)	2.3 (1.5-3.5)	1.2 (0.8-1.9)	0.7 (0.4-1.1)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
5	53 (45-67)	34 (28-46)	20 (16-28)	12 (9.1-16)	6.4 (5.0-9.1)	3.5 (2.7-5.0)	1.9 (1.5-2.7)	1.0 (0.8-1.5)	0.6 (0.5-0.8)	0.3 (0.3-0.5)	0.2 (0.1-0.3)
6	69	47	29	17	9.6	5.3	2.9	1.6	0.9	0.5	0.3

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	12	6.7	3.8	2.1	1.2	0.7	0.4	0.2	0.1	0.1	0.0
1	18 (12-20)	10 (7.0-12)	5.8 (4.0-6.9)	3.3 (2.2-3.9)	1.8 (1.2-2.2)	1.0 (0.7-1.2)	0.6 (0.4-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)	0.1 (0.0-0.1)
2	26 (17-34)	15 (9.8-21)	8.9 (5.6-12)	5.1 (3.1-7.0)	2.9 (1.8-4.0)	1.6 (1.0-2.2)	0.9 (0.6-1.3)	0.5 (0.3-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)
3	36 (25-50)	23 (15-33)	13 (8.4-20)	7.7 (4.8-12)	4.4 (2.7-6.7)	2.5 (1.5-3.8)	1.4 (0.9-2.2)	0.8 (0.5-1.3)	0.5 (0.3-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.2)
4	49 (38-64)	32 (24-45)	20 (14-29)	12 (8.0-17)	6.6 (4.6-10)	3.8 (2.6-5.7)	2.1 (1.5-3.3)	1.2 (0.9-1.9)	0.7 (0.5-1.1)	0.4 (0.3-0.6)	0.2 (0.2-0.4)
5	64 (57-76)	44 (38-57)	28 (24-38)	17 (14-23)	9.9 (8.1-14)	5.7 (4.6-8.0)	3.2 (2.6-4.6)	1.9 (1.5-2.7)	1.1 (0.9-1.6)	0.6 (0.5-0.9)	0.4 (0.3-0.5)
6	77	58	39	25	15	8.4	4.9	2.8	1.7	1.0	0.6

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in women 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	15	9.0	5.3	3.1	1.8	1.1	0.6	0.4	0.2	0.1	0.1
1	22 (16-26)	13 (9.4-16)	8.0 (5.6-9.6)	4.7 (3.3-5.7)	2.8 (1.9-3.3)	1.6 (1.1-1.9)	1.0 (0.7-1.2)	0.6 (0.4-0.7)	0.4 (0.2-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
2	31 (22-39)	20 (13-25)	12 (7.8-16)	7.2 (4.6-9.4)	4.2 (2.7-5.6)	2.5 (1.6-3.3)	1.5 (0.9-2.0)	0.9 (0.6-1.2)	0.5 (0.3-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.3)
3	43 (31-55)	28 (19-38)	18 (12-25)	11 (7.0-15)	6.3 (4.1-9.2)	3.7 (2.4-5.5)	2.3 (1.4-3.3)	1.4 (0.9-2.0)	0.8 (0.5-1.2)	0.5 (0.3-0.7)	0.3 (0.2-0.4)
4	56 (46-69)	39 (30-52)	25 (19-35)	16 (11-22)	9.4 (6.8-14)	5.6 (4.0-8.2)	3.4 (2.4-5.0)	2.0 (1.5-3.1)	1.2 (0.9-1.8)	0.7 (0.5-1.1)	0.4 (0.3-0.7)
5	69 (63-79)	51 (45-63)	35 (30-45)	22 (19-30)	14 (11-19)	8.2 (6.7-11)	5.0 (4.1-7.0)	3.1 (2.5-4.3)	1.9 (1.5-2.6)	1.1 (0.9-1.6)	0.7 (0.5-1.0)
6	81	65	47	31	20	12	7.4	4.5	2.8	1.7	1.0

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	16	10	6.3	3.8	2.3	1.4	0.9	0.6	0.4	0.2	0.1
1	26 (22-31)	17 (14-20)	10 (8.8-13)	6.4 (5.4-8.1)	3.9 (3.3-4.9)	2.4 (2.0-3.1)	1.5 (1.3-1.9)	1.0 (0.8-1.2)	0.6 (0.5-0.8)	0.4 (0.3-0.5)	0.2 (0.2-0.3)
2	39 (32-49)	26 (21-34)	17 (13-22)	11 (8.1-14)	6.5 (5.0-8.9)	4.1 (3.1-5.5)	2.6 (2.0-3.5)	1.6 (1.2-2.2)	1.0 (0.8-1.4)	0.6 (0.5-0.9)	0.4 (0.3-0.6)
3	55 (44-64)	39 (30-48)	26 (20-34)	17 (12-22)	11 (7.6-14)	6.7 (4.8-9.1)	4.3 (3.0-5.8)	2.7 (1.9-3.7)	1.7 (1.2-2.3)	1.1 (0.8-1.5)	0.7 (0.5-0.9)
4	71 (61-77)	55 (44-63)	39 (30-46)	26 (20-32)	17 (13-21)	11 (7.9-14)	7.0 (5.0-8.9)	4.5 (3.2-5.7)	2.8 (2.0-3.6)	1.8 (1.3-2.3)	1.1 (0.8-1.4)
5	83 (77-85)	71 (63-75)	55 (47-60)	39 (32-44)	27 (21-30)	17 (14-20)	11 (9.0-13)	7.3 (5.7-8.5)	4.7 (3.7-5.5)	3.0 (2.3-3.5)	1.9 (1.5-2.2)
6	89	83	71	55	40	27	18	12	7.7	4.9	3.1

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in women 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	16	11	6.8	4.4	2.8	1.8	1.2	0.8	0.5	0.3	0.2
1	28 (22-52)	20 (15-38)	13 (9.6-26)	8.6 (6.2-18)	5.5 (3.9-12)	3.7 (2.6-7.8)	2.4 (1.7-5.2)	1.6 (1.1-3.4)	1.1 (0.7-2.3)	0.7 (0.5-1.5)	0.5 (0.3-1.0)
2	44 (30-69)	32 (20-55)	23 (13-41)	15 (8.7-29)	10 (5.6-20)	6.9 (3.7-13)	4.6 (2.4-9.1)	3.1 (1.6-6.1)	2.0 (1.1-4.0)	1.3 (0.7-2.7)	0.9 (0.5-1.8)
3	61 (41-79)	49 (29-68)	36 (20-55)	26 (13-41)	18 (8.4-29)	12 (5.6-21)	8.3 (3.7-14)	5.6 (2.4-9.7)	3.7 (1.6-6.5)	2.5 (1.1-4.4)	1.6 (0.7-2.9)
4	76 (55-85)	65 (42-78)	53 (29-67)	40 (20-54)	29 (13-40)	21 (9.0-29)	14 (6.0-21)	9.8 (4.0-14)	6.6 (2.7-9.8)	4.4 (1.8-6.6)	2.9 (1.2-4.4)
5	85 (70-89)	79 (58-84)	70 (44-76)	58 (32-65)	44 (22-51)	33 (15-39)	24 (10-28)	16 (7.0-20)	11 (4.7-14)	7.6 (3.1-9.2)	5.1 (2.1-6.2)
6	90	88	83	74	62	49	37	27	19	13	8.7

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	15	10	6.8	4.6	3.1	2.2	1.5	1.0	0.7	0.5	0.3
1	25 (19-47)	18 (13-36)	13 (8.9-26)	8.8 (6.0-18)	6.0 (4.1-13)	4.2 (2.9-9.1)	3.0 (2.0-6.4)	2.1 (1.4-4.5)	1.4 (0.9-3.1)	1.0 (0.7-2.2)	0.7 (0.5-1.5)
2	39 (25-61)	29 (18-50)	22 (12-39)	15 (8.4-29)	11 (5.8-21)	7.7 (4.0-15)	5.5 (2.8-11)	3.8 (1.9-7.7)	2.7 (1.3-5.4)	1.9 (0.9-3.8)	1.3 (0.6-2.6)
3	54 (35-72)	43 (26-62)	34 (18-51)	25 (13-39)	18 (8.6-30)	13 (6.1-22)	9.5 (4.2-16)	6.8 (3.0-12)	4.8 (2.0-8.3)	3.3 (1.4-5.8)	2.3 (1.0-4.1)
4	67 (47-79)	58 (36-71)	48 (26-61)	38 (19-51)	29 (13-40)	22 (9.4-31)	16 (6.7-23)	11 (4.7-17)	8.1 (3.3-12)	5.7 (2.3-8.8)	4.0 (1.6-6.2)
5	78 (59-83)	71 (49-77)	63 (38-70)	53 (28-60)	42 (21-50)	33 (15-40)	25 (11-31)	19 (7.8-23)	13 (5.5-17)	9.6 (3.9-12)	6.8 (2.7-8.6)
6	85	81	76	68	58	48	38	29	21	16	11

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in women 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	11	7.8	5.6	4.0	2.9	2.1	1.5	1.1	0.8	0.6	0.4
1	19 (14-37)	14 (10-29)	10 (7.3-22)	7.5 (5.2-16)	5.5 (3.8-12)	4.1 (2.8-8.9)	3.0 (2.0-6.6)	2.2 (1.5-4.8)	1.6 (1.1-3.5)	1.2 (0.8-2.6)	0.9 (0.6-1.9)
2	30 (19-50)	23 (14-40)	18 (10-32)	13 (7.2-24)	9.8 (5.3-19)	7.3 (3.9-14)	5.5 (2.9-11)	4.0 (2.1-8.0)	3.0 (1.5-5.9)	2.2 (1.1-4.4)	1.6 (0.8-3.2)
3	43 (26-61)	35 (20-52)	28 (15-43)	21 (11-34)	16 (7.9-26)	12 (5.9-20)	9.4 (4.4-16)	7.0 (3.2-12)	5.2 (2.3-8.8)	3.8 (1.7-6.5)	2.8 (1.2-4.8)
4	57 (36-69)	49 (28-61)	40 (21-52)	32 (16-43)	25 (12-35)	20 (8.8-28)	15 (6.5-22)	12 (4.8-17)	8.8 (3.6-13)	6.5 (2.6-9.6)	4.8 (1.9-7.2)
5	69 (47-75)	62 (38-68)	54 (30-61)	45 (23-52)	37 (18-44)	30 (14-36)	24 (10-29)	19 (7.8-23)	14 (5.8-18)	11 (4.3-13)	8.0 (3.2-10)
6	78	74	67	59	51	43	35	28	22	17	13

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	6.2	4.7	3.5	2.7	2.1	1.6	1.2	1.0	0.7	0.6	0.4
1	11 (8.1-23)	8.6 (6.1-18)	6.5 (4.6-14)	5.0 (3.5-11)	3.9 (2.7-8.6)	3.1 (2.1-6.8)	2.4 (1.6-5.3)	1.9 (1.3-4.1)	1.4 (1.0-3.2)	1.1 (0.8-2.5)	0.9 (0.6-1.9)
2	19 (11-33)	15 (8.5-26)	11 (6.4-21)	8.8 (4.9-16)	6.9 (3.8-13)	5.5 (3.0-10)	4.3 (2.3-8.3)	3.3 (1.8-6.5)	2.6 (1.4-5.1)	2.0 (1.1-4.0)	1.6 (0.8-3.1)
3	28 (15-43)	23 (12-36)	18 (9.0-29)	14 (6.9-23)	12 (5.4-19)	9.2 (4.3-15)	7.3 (3.3-12)	5.7 (2.6-9.7)	4.5 (2.0-7.6)	3.5 (1.6-6.0)	2.7 (1.2-4.7)
4	40 (22-52)	34 (17-45)	28 (13-37)	22 (10-31)	18 (8.1-25)	15 (6.4-21)	12 (5.0-17)	9.5 (3.9-13)	7.5 (3.1-11)	5.9 (2.4-8.5)	4.6 (1.9-6.7)
5	53 (30-59)	46 (24-52)	39 (19-45)	33 (15-38)	28 (12-33)	23 (9.7-27)	19 (7.7-22)	15 (6.1-18)	12 (4.8-15)	9.6 (3.8-12)	7.5 (2.9-9.3)
6	65	59	52	45	39	33	28	23	19	15	12