

**South Africa (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 South Africa (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/m<sup>2</sup>

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	13	7.3	3.9	2.1	1.1	0.6	0.3	0.2	0.1	0.1	0.0
1	20 (14-26)	11 (7.7-15)	6.2 (4.1-8.1)	3.3 (2.2-4.4)	1.7 (1.1-2.3)	0.9 (0.6-1.2)	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	30 (19-41)	17 (11-25)	9.6 (5.8-14)	5.2 (3.1-7.8)	2.8 (1.6-4.2)	1.5 (0.9-2.2)	0.8 (0.5-1.2)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
3	41 (28-56)	25 (16-37)	15 (8.7-22)	8.0 (4.7-12)	4.3 (2.5-6.8)	2.3 (1.3-3.6)	1.2 (0.7-1.9)	0.6 (0.4-1.0)	0.3 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
4	55 (41-69)	36 (25-49)	21 (14-31)	12 (7.6-18)	6.6 (4.1-10)	3.5 (2.2-5.5)	1.9 (1.2-2.9)	1.0 (0.6-1.6)	0.5 (0.3-0.8)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
5	68 (58-77)	48 (39-60)	31 (23-41)	18 (13-25)	9.9 (7.2-14)	5.4 (3.9-7.7)	2.9 (2.1-4.2)	1.5 (1.1-2.2)	0.8 (0.6-1.2)	0.4 (0.3-0.6)	0.2 (0.2-0.4)
6	78	62	42	26	15	8.1	4.4	2.3	1.2	0.7	0.4

Ten years probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men from South Africa (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	16	8.9	5.0	2.7	1.5	0.8	0.5	0.3	0.1	0.1	0.0
1	23 (16-28)	13 (9.3-17)	7.6 (5.2-9.5)	4.3 (2.9-5.3)	2.4 (1.6-3.0)	1.3 (0.9-1.6)	0.7 (0.5-0.9)	0.4 (0.3-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.1)
2	32 (22-43)	20 (13-27)	12 (7.3-16)	6.5 (4.1-9.3)	3.6 (2.2-5.2)	2.0 (1.2-2.9)	1.1 (0.7-1.6)	0.6 (0.4-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
3	44 (32-56)	28 (19-39)	17 (11-24)	9.8 (6.1-15)	5.5 (3.4-8.3)	3.1 (1.9-4.7)	1.7 (1.0-2.6)	0.9 (0.6-1.4)	0.5 (0.3-0.8)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
4	56 (45-68)	39 (29-51)	24 (17-34)	15 (9.9-21)	8.3 (5.6-12)	4.7 (3.1-7.0)	2.6 (1.7-3.9)	1.4 (0.9-2.2)	0.8 (0.5-1.2)	0.5 (0.3-0.7)	0.3 (0.2-0.4)
5	68 (60-76)	51 (43-62)	34 (28-44)	21 (17-28)	12 (9.5-17)	7.0 (5.4-9.8)	3.9 (3.0-5.5)	2.2 (1.7-3.1)	1.2 (0.9-1.7)	0.7 (0.5-1.0)	0.4 (0.3-0.6)
6	77	63	45	29	18	10	5.8	3.2	1.8	1.0	0.6

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	16	9.6	5.7	3.4	2.0	1.1	0.7	0.4	0.2	0.1	0.1
1	23 (16-26)	14 (10-17)	8.5 (6.0-10)	5.1 (3.5-6.0)	3.0 (2.1-3.5)	1.7 (1.2-2.1)	1.0 (0.7-1.2)	0.6 (0.4-0.7)	0.4 (0.2-0.4)	0.2 (0.2-0.3)	0.1 (0.1-0.2)
2	31 (22-40)	20 (14-27)	13 (8.4-17)	7.6 (5.0-10)	4.5 (2.9-6.1)	2.6 (1.7-3.6)	1.5 (1.0-2.1)	0.9 (0.6-1.2)	0.5 (0.4-0.8)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
3	42 (32-52)	28 (20-37)	18 (12-24)	11 (7.5-15)	6.7 (4.4-9.5)	4.0 (2.6-5.7)	2.3 (1.5-3.4)	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	53 (44-63)	38 (30-48)	25 (19-34)	16 (12-22)	9.8 (7.0-14)	5.9 (4.2-8.5)	3.5 (2.4-5.1)	2.0 (1.4-3.0)	1.2 (0.9-1.8)	0.7 (0.5-1.1)	0.5 (0.3-0.7)
5	63 (58-71)	49 (43-58)	34 (29-43)	23 (19-30)	14 (12-19)	8.6 (7.1-12)	5.1 (4.2-7.1)	3.0 (2.5-4.3)	1.8 (1.5-2.6)	1.1 (0.9-1.6)	0.7 (0.6-1.0)
6	72	60	45	31	20	12	7.5	4.5	2.7	1.7	1.0

Ten years probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men from South Africa (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	14	9.1	5.7	3.6	2.2	1.4	0.8	0.5	0.3	0.2	0.1
1	20 (15-22)	13 (9.5-15)	8.4 (6.0-9.5)	5.3 (3.8-6.1)	3.3 (2.3-3.8)	2.0 (1.4-2.4)	1.3 (0.9-1.5)	0.8 (0.6-0.9)	0.5 (0.4-0.6)	0.3 (0.2-0.4)	0.2 (0.1-0.2)
2	28 (20-34)	19 (13-23)	12 (8.4-15)	7.7 (5.3-9.9)	4.9 (3.3-6.3)	3.0 (2.0-3.9)	1.9 (1.3-2.5)	1.2 (0.8-1.5)	0.8 (0.5-1.0)	0.5 (0.3-0.6)	0.3 (0.2-0.4)
3	36 (29-45)	25 (19-32)	17 (12-22)	11 (7.9-15)	7.1 (5.0-9.4)	4.4 (3.1-6.0)	2.8 (1.9-3.8)	1.7 (1.2-2.4)	1.1 (0.8-1.5)	0.7 (0.5-1.0)	0.5 (0.3-0.6)
4	46 (39-55)	34 (28-43)	24 (19-31)	16 (12-21)	10 (7.7-14)	6.5 (4.9-9.0)	4.1 (3.0-5.7)	2.6 (1.9-3.6)	1.6 (1.2-2.3)	1.1 (0.8-1.5)	0.7 (0.5-1.0)
5	56 (52-64)	44 (39-52)	31 (28-39)	22 (19-28)	14 (13-19)	9.2 (8.0-12)	5.9 (5.0-8.0)	3.7 (3.2-5.1)	2.4 (2.0-3.3)	1.5 (1.3-2.1)	1.0 (0.8-1.4)
6	65	54	41	29	20	13	8.4	5.4	3.5	2.2	1.4

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	12	8.0	5.3	3.5	2.3	1.5	1.0	0.7	0.5	0.3	0.2
1	18 (16-23)	13 (11-16)	8.5 (7.5-11)	5.7 (5.0-7.4)	3.8 (3.3-4.9)	2.5 (2.2-3.2)	1.6 (1.4-2.1)	1.1 (0.9-1.4)	0.7 (0.6-1.0)	0.5 (0.4-0.7)	0.3 (0.3-0.4)
2	27 (23-34)	19 (16-24)	13 (11-17)	9.0 (7.4-12)	6.1 (5.0-8.0)	4.0 (3.3-5.4)	2.7 (2.2-3.6)	1.8 (1.4-2.4)	1.2 (1.0-1.6)	0.8 (0.7-1.1)	0.6 (0.4-0.8)
3	38 (32-45)	28 (23-34)	20 (16-25)	14 (11-18)	9.6 (7.4-12)	6.4 (5.0-8.2)	4.3 (3.3-5.5)	2.9 (2.2-3.7)	2.0 (1.5-2.5)	1.3 (1.0-1.7)	0.9 (0.7-1.2)
4	50 (42-56)	39 (32-45)	29 (23-34)	21 (16-25)	15 (11-18)	10 (7.6-12)	6.8 (5.0-8.2)	4.6 (3.4-5.6)	3.2 (2.3-3.8)	2.2 (1.6-2.6)	1.5 (1.1-1.8)
5	61 (53-65)	51 (43-55)	40 (33-43)	30 (24-33)	22 (17-24)	15 (12-17)	11 (8.1-12)	7.3 (5.5-8.2)	5.1 (3.8-5.7)	3.5 (2.6-3.9)	2.4 (1.8-2.7)
6	70	62	52	42	32	23	16	11	7.9	5.5	3.8

Ten years probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men from South Africa (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	10	7.4	5.2	3.7	2.6	1.8	1.2	0.9	0.6	0.4	0.3
1	18 (14-35)	13 (10-27)	9.7 (7.3-20)	6.9 (5.1-15)	4.9 (3.6-11)	3.4 (2.5-7.5)	2.4 (1.7-5.2)	1.7 (1.2-3.8)	1.2 (0.9-2.7)	0.9 (0.6-1.9)	0.6 (0.5-1.4)
2	29 (19-46)	22 (14-37)	17 (10-29)	12 (7.2-22)	8.7 (5.1-16)	6.2 (3.6-12)	4.4 (2.5-8.4)	3.2 (1.8-6.1)	2.3 (1.3-4.4)	1.6 (0.9-3.2)	1.2 (0.6-2.3)
3	41 (26-56)	33 (19-48)	26 (14-39)	20 (10-30)	15 (7.4-23)	11 (5.2-17)	7.6 (3.7-12)	5.6 (2.6-9.1)	4.0 (1.9-6.6)	2.9 (1.4-4.8)	2.1 (1.0-3.5)
4	53 (34-64)	46 (27-57)	37 (20-48)	30 (15-39)	23 (11-30)	17 (7.8-23)	13 (5.5-17)	9.3 (4.0-13)	6.8 (2.9-9.4)	5.0 (2.1-6.9)	3.6 (1.5-5.1)
5	65 (44-71)	58 (36-65)	50 (28-57)	42 (22-48)	34 (16-39)	26 (12-30)	20 (8.5-23)	15 (6.2-17)	11 (4.6-13)	8.3 (3.3-9.7)	6.1 (2.4-7.1)
6	74	69	62	55	46	38	30	23	18	13	9.9

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	9.5	7.1	5.3	3.9	2.9	2.1	1.6	1.2	0.9	0.7	0.5
1	16 (12-32)	13 (9.2-26)	9.6 (6.9-20)	7.2 (5.1-15)	5.4 (3.8-12)	4.0 (2.8-8.8)	3.0 (2.1-6.6)	2.3 (1.6-5.0)	1.7 (1.2-3.8)	1.3 (0.9-2.9)	1.0 (0.7-2.2)
2	25 (16-42)	20 (12-35)	16 (9.4-28)	12 (7.1-22)	9.4 (5.3-17)	7.1 (3.9-13)	5.3 (2.9-10)	4.1 (2.2-7.8)	3.1 (1.7-6.0)	2.4 (1.3-4.6)	1.8 (0.9-3.5)
3	36 (22-52)	30 (17-45)	24 (13-37)	19 (9.8-31)	15 (7.4-24)	12 (5.5-19)	8.9 (4.1-15)	6.9 (3.2-12)	5.3 (2.4-9.0)	4.1 (1.8-6.9)	3.1 (1.4-5.3)
4	48 (29-60)	41 (23-53)	35 (18-46)	29 (14-39)	23 (11-32)	18 (8.2-25)	14 (6.2-20)	11 (4.8-16)	8.7 (3.6-12)	6.7 (2.8-9.6)	5.2 (2.1-7.4)
5	59 (38-65)	53 (31-59)	46 (25-53)	40 (20-45)	33 (16-38)	27 (12-31)	22 (9.2-25)	17 (7.2-21)	14 (5.5-16)	11 (4.3-13)	8.4 (3.3-10)
6	69	64	58	51	44	37	31	26	21	17	13

Ten years probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men from South Africa (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	8.9	7.0	5.5	4.3	3.4	2.6	2.1	1.6	1.3	1.0	0.8
1	15 (11-30)	12 (9.1-25)	9.8 (7.2-21)	7.8 (5.6-17)	6.2 (4.4-13)	4.8 (3.4-11)	3.8 (2.7-8.5)	3.1 (2.1-6.9)	2.5 (1.7-5.5)	2.0 (1.4-4.4)	1.6 (1.1-3.5)
2	23 (15-40)	19 (12-34)	16 (9.4-29)	13 (7.5-24)	10 (5.9-19)	8.3 (4.6-15)	6.7 (3.7-12)	5.4 (3.0-10)	4.4 (2.4-8.3)	3.5 (1.9-6.7)	2.8 (1.5-5.4)
3	33 (20-48)	29 (16-42)	24 (13-37)	20 (10-31)	16 (8.2-26)	13 (6.5-22)	11 (5.2-18)	8.9 (4.2-15)	7.3 (3.4-12)	5.9 (2.7-9.9)	4.8 (2.2-8.1)
4	44 (26-56)	39 (21-50)	34 (17-45)	29 (14-39)	24 (11-33)	20 (9.2-28)	17 (7.4-24)	14 (6.1-20)	12 (4.9-16)	9.5 (4.0-14)	7.8 (3.2-11)
5	55 (34-62)	50 (29-57)	45 (24-51)	39 (20-45)	34 (16-40)	29 (13-34)	25 (11-29)	21 (9.0-25)	18 (7.3-21)	15 (6.0-17)	12 (4.8-14)
6	66	61	56	51	45	39	34	30	26	22	18

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	8.5	7.0	5.8	4.8	3.9	3.2	2.6	2.2	1.9	1.6	1.3
1	14 (11-29)	12 (9.0-25)	10 (7.5-21)	8.5 (6.2-18)	7.1 (5.1-15)	5.8 (4.2-13)	4.9 (3.5-11)	4.1 (2.9-9.1)	3.5 (2.4-7.7)	2.9 (2.0-6.5)	2.5 (1.7-5.5)
2	22 (14-38)	19 (12-34)	16 (9.7-29)	14 (8.0-25)	12 (6.7-22)	9.8 (5.5-18)	8.3 (4.6-16)	7.1 (3.9-13)	6.0 (3.3-11)	5.1 (2.8-9.7)	4.3 (2.3-8.2)
3	32 (18-46)	28 (16-42)	24 (13-37)	21 (11-33)	18 (9.2-28)	15 (7.6-25)	13 (6.4-21)	11 (5.5-19)	9.9 (4.6-16)	8.4 (3.9-14)	7.2 (3.3-12)
4	42 (24-54)	38 (21-50)	34 (18-45)	30 (15-40)	26 (13-36)	23 (11-32)	20 (9.1-28)	18 (7.8-25)	15 (6.6-22)	13 (5.6-19)	11 (4.8-16)
5	53 (32-60)	49 (28-56)	45 (25-51)	41 (21-47)	36 (18-42)	32 (15-38)	29 (13-34)	26 (11-30)	23 (9.8-27)	20 (8.4-23)	17 (7.1-20)
6	64	60	56	52	47	43	39	35	32	28	25