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 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 South Africa (Indian). 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/m²						
	15	20	25	30	35	40	45
0	0.4	0.2	0.1	0.1	0.1	0.1	0.0
1	0.7 (0.5-1.4)	0.4 (0.3-0.8)	0.2 (0.2-0.5)	0.2 (0.1-0.4)	0.1 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.2)
2	1.3 (0.7-2.7)	0.8 (0.4-1.6)	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	2.4 (1.0-4.7)	1.4 (0.6-2.8)	0.8 (0.3-1.6)	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	4.3 (1.7-7.0)	2.6 (1.0-4.3)	1.5 (0.6-2.5)	1.2 (0.5-1.9)	0.9 (0.4-1.5)	0.7 (0.3-1.2)	0.5 (0.2-0.9)
5	7.3 (3.3-9.5)	4.6 (2.0-6.0)	2.7 (1.2-3.6)	2.1 (0.9-2.8)	1.6 (0.7-2.2)	1.2 (0.6-1.7)	1.0 (0.4-1.3)
6	12	7.8	4.7	3.7	2.8	2.2	1.7

Age = 55 years

Number of CRFs	BMI kg/m²						
	15	20	25	30	35	40	45
0	0.7	0.4	0.2	0.2	0.1	0.1	0.1
1	1.3 (0.9-2.3)	0.8 (0.5-1.4)	0.5 (0.3-0.8)	0.3 (0.2-0.6)	0.3 (0.2-0.5)	0.2 (0.1-0.4)	0.2 (0.1-0.3)
2	2.4 (1.3-4.4)	1.4 (0.8-2.7)	0.8 (0.5-1.6)	0.7 (0.4-1.3)	0.5 (0.3-1.0)	0.4 (0.2-0.8)	0.3 (0.2-0.6)
3	4.1 (1.9-7.6)	2.6 (1.2-4.8)	1.5 (0.7-2.9)	1.2 (0.5-2.2)	0.9 (0.4-1.7)	0.7 (0.3-1.3)	0.5 (0.2-1.0)
4	7.1 (3.4-11)	4.5 (2.1-7.2)	2.7 (1.2-4.4)	2.1 (0.9-3.4)	1.6 (0.7-2.6)	1.2 (0.6-2.0)	1.0 (0.4-1.6)
5	12 (6.0-15)	7.7 (4.0-9.8)	4.7 (2.4-6.1)	3.6 (1.9-4.8)	2.8 (1.4-3.7)	2.2 (1.1-2.8)	1.7 (0.9-2.2)
6	19	13	8.0	6.2	4.8	3.7	2.9

Ten years probability of hip fractures (%) according to BMI, the number of clinical risk factors (CRF) and age in men from South Africa (Indian).

Age = 60 years

Number of CRFs	BMI kg/m²						
	15	20	25	30	35	40	45
0	1.3	0.8	0.5	0.4	0.3	0.2	0.2
1	2.3 (1.7-3.8)	1.5 (1.1-2.3)	0.9 (0.6-1.4)	0.7 (0.5-1.1)	0.5 (0.4-0.8)	0.4 (0.3-0.6)	0.3 (0.2-0.5)
2	4.0 (2.3-6.7)	2.6 (1.5-4.4)	1.5 (0.9-2.7)	1.2 (0.7-2.1)	0.9 (0.5-1.6)	0.7 (0.4-1.2)	0.5 (0.3-1.0)
3	6.7 (3.5-11)	4.4 (2.2-7.6)	2.7 (1.4-4.8)	2.1 (1.1-3.7)	1.6 (0.8-2.8)	1.2 (0.6-2.2)	0.9 (0.5-1.7)
4	11 (6.0-17)	7.4 (3.9-11)	4.6 (2.4-7.2)	3.6 (1.8-5.6)	2.8 (1.4-4.3)	2.1 (1.1-3.3)	1.6 (0.8-2.6)
5	17 (10-21)	12 (7.1-15)	7.8 (4.6-9.9)	6.0 (3.6-7.7)	4.7 (2.7-5.9)	3.6 (2.1-4.6)	2.8 (1.6-3.5)
6	25	19	13	9.9	7.7	6.0	4.6

Age = 65 years

Number of CRFs	BMI kg/m²						
	15	20	25	30	35	40	45
0	2.1	1.3	0.8	0.6	0.5	0.4	0.3
1	3.5 (2.7-5.1)	2.3 (1.7-3.3)	1.4 (1.0-2.0)	1.1 (0.8-1.5)	0.8 (0.6-1.2)	0.6 (0.5-0.9)	0.5 (0.4-0.7)
2	5.7 (3.6-8.7)	3.8 (2.4-6.0)	2.4 (1.5-3.8)	1.8 (1.1-2.9)	1.4 (0.9-2.3)	1.1 (0.7-1.7)	0.8 (0.5-1.3)
3	9.2 (5.4-15)	6.3 (3.6-10)	4.0 (2.3-6.6)	3.1 (1.7-5.1)	2.4 (1.3-4.0)	1.8 (1.0-3.0)	1.4 (0.8-2.3)
4	14 (8.8-21)	10 (6.2-15)	6.6 (3.9-9.9)	5.1 (3.0-7.7)	4.0 (2.3-6.0)	3.0 (1.8-4.6)	2.3 (1.4-3.5)
5	21 (15-26)	16 (11-19)	11 (7.3-13)	8.4 (5.7-10)	6.5 (4.3-8.0)	5.0 (3.3-6.2)	3.8 (2.6-4.8)
6	30	24	17	13	10	8.0	6.2

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Ten years probability of hip fractures (%) according to BMI, the number of clinical risk factors (CRF) and age in men from South Africa (Indian).

Age = 70 years

Number of CRFs	BMI kg/m²						
	15	20	25	30	35	40	45
0	2.9	1.9	1.2	0.9	0.7	0.5	0.4
1	4.9 (3.6-6.0)	3.4 (2.6-4.1)	2.2 (1.7-2.6)	1.7 (1.3-2.0)	1.3 (1.0-1.5)	1.0 (0.7-1.2)	0.7 (0.6-0.9)
2	8.3 (5.5-12)	5.9 (3.9-8.4)	3.9 (2.5-5.4)	3.0 (1.9-4.2)	2.3 (1.5-3.2)	1.7 (1.1-2.5)	1.3 (0.9-1.9)
3	14 (8.5-20)	10.0 (6.5-14)	6.7 (4.4-9.9)	5.2 (3.4-7.6)	4.0 (2.6-5.9)	3.1 (2.0-4.5)	2.3 (1.5-3.5)
4	21 (14-29)	16 (11-23)	12 (7.9-17)	8.9 (6.1-13)	6.9 (4.7-10)	5.3 (3.6-7.8)	4.1 (2.7-6.0)
5	31 (26-39)	26 (21-32)	19 (16-24)	15 (12-19)	12 (9.6-15)	9.0 (7.4-12)	6.9 (5.7-9.0)
6	43	37	30	24	19	15	12

Age = 75 years

Number of CRFs	BMI kg/m²						
	15	20	25	30	35	40	45
0	4.0	2.8	1.9	1.4	1.1	0.8	0.6
1	7.3 (4.9-13)	5.4 (3.6-9.5)	3.6 (2.5-6.4)	2.8 (1.9-4.9)	2.1 (1.5-3.8)	1.6 (1.1-2.9)	1.2 (0.8-2.2)
2	13 (7.3-21)	9.7 (5.5-16)	6.7 (3.8-11)	5.2 (2.9-8.7)	4.0 (2.2-6.7)	3.1 (1.7-5.2)	2.3 (1.3-4.0)
3	20 (11-33)	16 (8.7-26)	12 (6.5-19)	9.3 (5.0-15)	7.2 (3.8-12)	5.6 (2.9-9.0)	4.3 (2.2-6.9)
4	31 (17-43)	26 (14-37)	20 (11-30)	16 (8.6-24)	13 (6.6-19)	9.7 (5.0-15)	7.5 (3.8-12)
5	43 (28-52)	38 (24-48)	32 (19-40)	26 (15-33)	21 (11-27)	16 (8.8-22)	13 (6.8-17)
6	56	52	46	39	32	26	21

Ten years probability of hip fractures (%) according to BMI, the number of clinical risk factors (CRF) and age in men from South Africa (Indian).

Age = 80 years

Number of CRFs	BMI kg/m²						
	15	20	25	30	35	40	45
0	5.6	4.2	2.9	2.2	1.7	1.3	1.0
1	9.8 (6.6-17)	7.6 (5.2-14)	5.4 (3.8-9.6)	4.1 (2.9-7.4)	3.1 (2.2-5.7)	2.4 (1.7-4.4)	1.8 (1.3-3.4)
2	16 (9.5-27)	13 (7.8-22)	9.5 (5.7-16)	7.4 (4.3-13)	5.7 (3.3-9.8)	4.3 (2.5-7.6)	3.3 (1.9-5.8)
3	24 (14-37)	21 (12-31)	16 (8.7-25)	13 (6.7-20)	9.7 (5.1-16)	7.5 (3.9-12)	5.8 (3.0-9.6)
4	35 (20-47)	31 (17-41)	25 (14-35)	20 (11-29)	16 (8.2-23)	13 (6.3-18)	9.7 (4.8-14)
5	46 (30-55)	42 (27-51)	37 (22-46)	31 (18-39)	25 (14-32)	20 (11-26)	16 (8.2-20)
6	58	54	50	43	36	30	24

Age = 85 years

Number of CRFs	BMI kg/m²						
	15	20	25	30	35	40	45
0	7.7	6.1	4.5	3.4	2.6	2.0	1.5
1	13 (8.9-23)	11 (7.4-19)	8.1 (5.7-14)	6.2 (4.3-11)	4.8 (3.3-8.7)	3.6 (2.5-6.7)	2.8 (1.9-5.1)
2	20 (12-34)	17 (11-29)	14 (8.4-23)	11 (6.5-19)	8.4 (4.9-15)	6.4 (3.7-11)	4.9 (2.8-8.7)
3	30 (18-44)	26 (15-39)	22 (13-34)	18 (9.8-27)	14 (7.5-22)	11 (5.7-17)	8.3 (4.4-13)
4	41 (25-53)	37 (22-49)	33 (19-44)	27 (15-37)	22 (11-30)	17 (8.7-25)	13 (6.6-20)
5	52 (36-61)	49 (33-58)	45 (29-54)	38 (23-47)	32 (18-40)	26 (14-33)	21 (11-27)
6	63	60	57	50	44	37	30

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Ten years probability of hip fractures (%) according to BMI, the number of clinical risk factors (CRF) and age in men from South Africa (Indian).

Age = 90 years

Number of CRFs	BMI kg/m²						
	15	20	25	30	35	40	45
0	11	8.7	6.6	5.1	3.8	2.9	2.2
1	17 (12-29)	15 (10-25)	12 (8.2-20)	9.0 (6.2-16)	6.9 (4.7-12)	5.3 (3.6-9.6)	4.0 (2.7-7.4)
2	26 (17-41)	23 (14-37)	19 (12-32)	15 (9.2-26)	12 (7.1-20)	9.1 (5.4-16)	7.0 (4.1-12)
3	37 (23-52)	33 (20-48)	29 (18-42)	24 (14-35)	19 (11-29)	15 (8.1-23)	12 (6.1-18)
4	48 (31-61)	45 (28-57)	41 (25-53)	34 (20-46)	28 (15-39)	23 (12-32)	18 (9.2-26)
5	59 (44-66)	56 (40-65)	53 (37-62)	46 (30-55)	40 (24-48)	33 (19-41)	27 (15-35)
6	67	66	64	58	52	45	38