

South Africa (Coloured) - 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 (Coloured). 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	0.2	0.1	0.1	0.1	0.0	0.0	0.0
1	0.4 (0.3-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.2)	0.1 (0.1-0.1)	0.1 (0.0-0.1)
2	0.8 (0.4-1.7)	0.5 (0.3-1.0)	0.3 (0.1-0.6)	0.2 (0.1-0.5)	0.2 (0.1-0.4)	0.1 (0.1-0.3)	0.1 (0.1-0.2)
3	1.5 (0.6-2.9)	0.9 (0.4-1.8)	0.5 (0.2-1.1)	0.4 (0.2-0.8)	0.3 (0.1-0.6)	0.3 (0.1-0.5)	0.2 (0.1-0.4)
4	2.6 (1.1-4.4)	1.7 (0.7-2.8)	1.0 (0.4-1.7)	0.8 (0.3-1.3)	0.6 (0.2-1.0)	0.5 (0.2-0.8)	0.4 (0.1-0.6)
5	4.5 (2.0-5.8)	2.9 (1.3-3.8)	1.8 (0.8-2.4)	1.4 (0.6-1.8)	1.0 (0.5-1.4)	0.8 (0.4-1.1)	0.6 (0.3-0.8)
6	7.6	5.0	3.1	2.4	1.8	1.4	1.1

Age = 55 years

Number of CRFs	BMI kg/m ²						
	15	20	25	30	35	40	45
0	0.4	0.3	0.2	0.1	0.1	0.1	0.1
1	0.8 (0.5-1.4)	0.5 (0.3-0.8)	0.3 (0.2-0.5)	0.2 (0.2-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.2)
2	1.4 (0.7-2.5)	0.9 (0.5-1.6)	0.5 (0.3-1.0)	0.4 (0.2-0.8)	0.3 (0.2-0.6)	0.2 (0.1-0.5)	0.2 (0.1-0.3)
3	2.4 (1.1-4.3)	1.5 (0.7-2.8)	0.9 (0.4-1.7)	0.7 (0.3-1.3)	0.5 (0.3-1.0)	0.4 (0.2-0.8)	0.3 (0.2-0.6)
4	4.0 (1.9-6.5)	2.7 (1.2-4.3)	1.6 (0.7-2.7)	1.3 (0.6-2.0)	1.0 (0.4-1.6)	0.7 (0.3-1.2)	0.6 (0.3-0.9)
5	6.7 (3.4-8.5)	4.5 (2.3-5.8)	2.8 (1.5-3.7)	2.2 (1.1-2.9)	1.7 (0.9-2.2)	1.3 (0.7-1.7)	1.0 (0.5-1.3)
6	11	7.5	4.8	3.7	2.9	2.2	1.7

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

Age = 60 years

Number of CRFs	BMI kg/m ²						
	15	20	25	30	35	40	45
0	0.7	0.5	0.3	0.2	0.2	0.1	0.1
1	1.3 (0.9-2.1)	0.8 (0.6-1.3)	0.5 (0.4-0.8)	0.4 (0.3-0.6)	0.3 (0.2-0.5)	0.2 (0.2-0.4)	0.2 (0.1-0.3)
2	2.1 (1.2-3.6)	1.4 (0.8-2.4)	0.9 (0.5-1.6)	0.7 (0.4-1.2)	0.5 (0.3-0.9)	0.4 (0.2-0.7)	0.3 (0.2-0.5)
3	3.6 (1.9-6.1)	2.4 (1.3-4.3)	1.5 (0.8-2.7)	1.2 (0.6-2.1)	0.9 (0.5-1.6)	0.7 (0.4-1.2)	0.5 (0.3-0.9)
4	5.8 (3.1-9.2)	4.1 (2.2-6.4)	2.7 (1.4-4.2)	2.0 (1.1-3.2)	1.6 (0.8-2.5)	1.2 (0.6-1.9)	0.9 (0.5-1.4)
5	9.3 (5.3-12)	6.7 (3.9-8.3)	4.4 (2.6-5.6)	3.4 (2.0-4.3)	2.6 (1.5-3.3)	2.0 (1.2-2.5)	1.5 (0.9-1.9)
6	14	11	7.3	5.6	4.3	3.3	2.5

Age = 65 years

Number of CRFs	BMI kg/m ²						
	15	20	25	30	35	40	45
0	1.1	0.8	0.5	0.4	0.3	0.2	0.2
1	1.9 (1.5-2.8)	1.3 (1.0-1.9)	0.8 (0.6-1.2)	0.6 (0.5-0.9)	0.5 (0.4-0.7)	0.4 (0.3-0.5)	0.3 (0.2-0.4)
2	3.1 (1.9-4.9)	2.2 (1.3-3.4)	1.4 (0.9-2.2)	1.1 (0.7-1.7)	0.8 (0.5-1.3)	0.6 (0.4-1.0)	0.5 (0.3-0.8)
3	5.0 (2.9-8.0)	3.6 (2.0-5.8)	2.4 (1.3-3.9)	1.8 (1.0-3.0)	1.4 (0.8-2.3)	1.1 (0.6-1.8)	0.8 (0.5-1.3)
4	7.8 (4.6-12)	5.7 (3.5-8.7)	3.9 (2.3-5.9)	3.0 (1.8-4.5)	2.3 (1.4-3.5)	1.7 (1.0-2.7)	1.3 (0.8-2.0)
5	12 (7.8-15)	9.1 (6.0-11)	6.3 (4.2-7.8)	4.9 (3.2-6.0)	3.7 (2.5-4.6)	2.8 (1.9-3.5)	2.2 (1.4-2.7)
6	17	14	10	7.8	6.0	4.6	3.5

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

Age = 70 years

Number of CRFs	BMI kg/m ²						
	15	20	25	30	35	40	45
0	1.6	1.1	0.7	0.6	0.4	0.3	0.3
1	2.8 (2.0-3.4)	2.0 (1.5-2.4)	1.3 (1.0-1.6)	1.0 (0.8-1.2)	0.8 (0.6-0.9)	0.6 (0.4-0.7)	0.4 (0.3-0.5)
2	4.7 (3.0-7.1)	3.4 (2.2-5.0)	2.3 (1.5-3.3)	1.8 (1.2-2.5)	1.3 (0.9-1.9)	1.0 (0.7-1.5)	0.8 (0.5-1.1)
3	7.8 (4.6-12)	5.8 (3.6-8.6)	4.0 (2.6-5.9)	3.1 (2.0-4.5)	2.4 (1.5-3.5)	1.8 (1.2-2.7)	1.4 (0.9-2.0)
4	12 (7.9-18)	9.7 (6.3-14)	6.9 (4.6-10)	5.3 (3.5-7.8)	4.1 (2.7-6.0)	3.1 (2.0-4.6)	2.4 (1.5-3.5)
5	19 (16-25)	16 (13-20)	12 (9.5-15)	9.0 (7.3-12)	6.9 (5.6-9.0)	5.3 (4.2-6.9)	4.0 (3.2-5.3)
6	28	24	19	15	11	8.8	6.7

Age = 75 years

Number of CRFs	BMI kg/m ²						
	15	20	25	30	35	40	45
0	2.2	1.6	1.1	0.8	0.6	0.5	0.4
1	4.1 (2.7-7.4)	3.1 (2.1-5.5)	2.1 (1.5-3.8)	1.6 (1.1-2.9)	1.2 (0.8-2.2)	0.9 (0.6-1.7)	0.7 (0.5-1.3)
2	7.3 (4.0-13)	5.6 (3.1-9.7)	4.0 (2.2-6.7)	3.0 (1.7-5.2)	2.3 (1.3-4.0)	1.8 (1.0-3.0)	1.3 (0.7-2.3)
3	12 (5.9-21)	9.8 (4.9-16)	7.2 (3.7-12)	5.5 (2.8-8.9)	4.2 (2.1-6.9)	3.2 (1.6-5.3)	2.4 (1.2-4.1)
4	19 (10.0-29)	16 (8.3-24)	12 (6.4-19)	9.6 (4.9-15)	7.4 (3.7-12)	5.7 (2.8-8.9)	4.3 (2.1-6.9)
5	29 (17-37)	25 (14-33)	20 (11-27)	16 (8.6-21)	13 (6.6-17)	9.7 (5.0-13)	7.4 (3.8-10)
6	40	36	31	25	20	16	12

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

Age = 80 years

Number of CRFs	BMI kg/m ²						
	15	20	25	30	35	40	45
0	3.2	2.4	1.7	1.3	1.0	0.7	0.6
1	5.8 (3.8-11)	4.4 (3.0-8.1)	3.2 (2.2-5.7)	2.4 (1.7-4.4)	1.8 (1.3-3.4)	1.4 (1.0-2.6)	1.1 (0.7-1.9)
2	9.7 (5.5-17)	7.7 (4.5-14)	5.7 (3.3-9.8)	4.3 (2.5-7.6)	3.3 (1.9-5.8)	2.5 (1.5-4.5)	1.9 (1.1-3.4)
3	15 (8.2-25)	13 (6.9-20)	9.8 (5.1-16)	7.5 (3.9-12)	5.8 (3.0-9.7)	4.4 (2.3-7.4)	3.4 (1.7-5.7)
4	23 (12-33)	20 (10-28)	16 (8.3-23)	13 (6.3-18)	9.7 (4.8-14)	7.5 (3.6-11)	5.7 (2.7-8.6)
5	33 (19-41)	30 (17-37)	25 (14-32)	20 (11-26)	16 (8.2-21)	12 (6.3-16)	9.4 (4.8-13)
6	44	41	36	30	24	19	15

Age = 85 years

Number of CRFs	BMI kg/m ²						
	15	20	25	30	35	40	45
0	4.7	3.7	2.6	2.0	1.5	1.2	0.9
1	8.2 (5.4-15)	6.6 (4.4-12)	4.8 (3.4-8.8)	3.7 (2.5-6.7)	2.8 (1.9-5.2)	2.1 (1.5-3.9)	1.6 (1.1-3.0)
2	13 (7.7-23)	11 (6.6-19)	8.5 (5.1-15)	6.6 (3.8-11)	5.0 (2.9-8.9)	3.8 (2.2-6.8)	2.9 (1.7-5.2)
3	21 (11-32)	18 (9.7-27)	14 (7.7-23)	11 (5.9-18)	8.6 (4.5-14)	6.6 (3.4-11)	5.0 (2.6-8.3)
4	30 (16-41)	27 (14-37)	22 (12-31)	18 (9.2-26)	14 (7.0-20)	11 (5.3-16)	8.4 (4.0-12)
5	40 (25-49)	37 (23-46)	33 (19-41)	27 (15-34)	22 (12-28)	17 (9.0-23)	13 (6.9-18)
6	52	49	45	38	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 (Coloured).

Age = 90 years

Number of CRFs	BMI kg/m ²						
	15	20	25	30	35	40	45
0	6.9	5.4	4.0	3.0	2.3	1.7	1.3
1	12 (7.9-20)	9.6 (6.5-17)	7.2 (5.0-13)	5.5 (3.8-10)	4.2 (2.9-7.7)	3.2 (2.2-5.9)	2.4 (1.6-4.5)
2	18 (11-31)	16 (9.5-27)	12 (7.5-21)	9.6 (5.7-17)	7.4 (4.4-13)	5.7 (3.3-10)	4.3 (2.5-7.7)
3	27 (16-41)	24 (14-36)	20 (11-31)	16 (8.7-25)	12 (6.6-20)	9.6 (5.1-15)	7.4 (3.8-12)
4	38 (22-50)	34 (20-46)	30 (17-41)	25 (13-34)	20 (10-28)	15 (7.7-22)	12 (5.9-18)
5	49 (33-58)	46 (30-55)	42 (26-51)	35 (21-44)	29 (17-37)	24 (13-30)	19 (9.9-25)
6	60	57	54	47	40	34	28