

**South Africa (African) - 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/m<sup>2</sup>), 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 (African). 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 <sup>2</sup>						
	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 (0.2-0.7)	0.2 (0.2-0.5)	0.1 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	0.0 (0.0-0.1)
2	0.7 (0.3-1.3)	0.4 (0.2-0.9)	0.3 (0.1-0.5)	0.2 (0.1-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.2)
3	1.2 (0.5-2.3)	0.8 (0.3-1.5)	0.5 (0.2-0.9)	0.4 (0.2-0.7)	0.3 (0.1-0.6)	0.2 (0.1-0.4)	0.2 (0.1-0.3)
4	2.1 (0.9-3.5)	1.4 (0.6-2.3)	0.9 (0.3-1.4)	0.7 (0.3-1.1)	0.5 (0.2-0.8)	0.4 (0.2-0.7)	0.3 (0.1-0.5)
5	3.5 (1.5-4.6)	2.4 (1.0-3.1)	1.5 (0.7-2.0)	1.2 (0.5-1.5)	0.9 (0.4-1.2)	0.7 (0.3-0.9)	0.5 (0.2-0.7)
6	5.8	4.1	2.6	2.0	1.5	1.2	0.9

**Age = 55 years**

Number of CRFs	BMI kg/m <sup>2</sup>						
	15	20	25	30	35	40	45
0	0.3	0.2	0.1	0.1	0.1	0.1	0.0
1	0.6 (0.4-1.1)	0.4 (0.3-0.7)	0.2 (0.2-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.2)	0.1 (0.1-0.1)
2	1.1 (0.6-1.9)	0.7 (0.4-1.3)	0.4 (0.2-0.8)	0.3 (0.2-0.6)	0.2 (0.1-0.5)	0.2 (0.1-0.4)	0.1 (0.1-0.3)
3	1.8 (0.9-3.4)	1.2 (0.6-2.3)	0.8 (0.3-1.4)	0.6 (0.3-1.1)	0.4 (0.2-0.8)	0.3 (0.2-0.6)	0.3 (0.1-0.5)
4	3.1 (1.4-5.1)	2.1 (1.0-3.4)	1.3 (0.6-2.2)	1.0 (0.5-1.7)	0.8 (0.4-1.3)	0.6 (0.3-1.0)	0.5 (0.2-0.7)
5	5.1 (2.5-6.6)	3.6 (1.8-4.5)	2.3 (1.2-3.0)	1.8 (0.9-2.3)	1.3 (0.7-1.7)	1.0 (0.5-1.3)	0.8 (0.4-1.0)
6	8.2	5.9	3.9	3.0	2.3	1.7	1.3

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

Age = 60 years

Number of CRFs	BMI kg/m <sup>2</sup>						
	15	20	25	30	35	40	45
0	0.5	0.3	0.2	0.2	0.1	0.1	0.1
1	0.9 (0.7-1.5)	0.6 (0.4-0.9)	0.4 (0.3-0.6)	0.3 (0.2-0.4)	0.2 (0.2-0.3)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
2	1.5 (0.9-2.6)	1.0 (0.6-1.7)	0.6 (0.4-1.1)	0.5 (0.3-0.9)	0.4 (0.2-0.7)	0.3 (0.2-0.5)	0.2 (0.1-0.4)
3	2.6 (1.3-4.4)	1.7 (0.9-3.1)	1.1 (0.6-2.0)	0.8 (0.4-1.5)	0.6 (0.3-1.2)	0.5 (0.3-0.9)	0.4 (0.2-0.7)
4	4.2 (2.2-6.6)	2.9 (1.6-4.6)	1.9 (1.0-3.0)	1.5 (0.8-2.3)	1.1 (0.6-1.8)	0.8 (0.4-1.3)	0.6 (0.3-1.0)
5	6.7 (3.8-8.5)	4.8 (2.8-6.0)	3.2 (1.9-4.0)	2.4 (1.4-3.1)	1.9 (1.1-2.4)	1.4 (0.8-1.8)	1.1 (0.6-1.4)
6	10	7.8	5.3	4.1	3.1	2.4	1.8

Age = 65 years

Number of CRFs	BMI kg/m <sup>2</sup>						
	15	20	25	30	35	40	45
0	0.8	0.5	0.3	0.2	0.2	0.1	0.1
1	1.3 (1.0-1.9)	0.8 (0.7-1.2)	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 (1.3-3.3)	1.4 (0.9-2.2)	0.9 (0.6-1.5)	0.7 (0.4-1.1)	0.5 (0.3-0.9)	0.4 (0.3-0.7)	0.3 (0.2-0.5)
3	3.3 (1.9-5.4)	2.4 (1.3-3.9)	1.5 (0.9-2.6)	1.2 (0.7-2.0)	0.9 (0.5-1.5)	0.7 (0.4-1.2)	0.5 (0.3-0.9)
4	5.3 (3.1-8.1)	3.8 (2.3-5.8)	2.6 (1.5-3.9)	2.0 (1.2-3.0)	1.5 (0.9-2.3)	1.1 (0.7-1.7)	0.9 (0.5-1.3)
5	8.2 (5.3-10)	6.1 (4.0-7.6)	4.2 (2.8-5.2)	3.2 (2.1-4.0)	2.5 (1.6-3.0)	1.9 (1.2-2.3)	1.4 (0.9-1.8)
6	12	9.6	6.7	5.2	4.0	3.0	2.3

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

Age = 70 years

Number of CRFs	BMI kg/m <sup>2</sup>						
	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 (1.4-2.3)	1.3 (1.0-1.6)	0.9 (0.7-1.0)	0.7 (0.5-0.8)	0.5 (0.4-0.6)	0.4 (0.3-0.5)	0.3 (0.2-0.4)
2	3.2 (2.1-4.9)	2.3 (1.5-3.4)	1.5 (1.0-2.2)	1.2 (0.8-1.7)	0.9 (0.6-1.3)	0.7 (0.4-1.0)	0.5 (0.3-0.7)
3	5.4 (3.2-8.4)	4.0 (2.5-5.9)	2.7 (1.8-4.0)	2.1 (1.3-3.1)	1.6 (1.0-2.3)	1.2 (0.8-1.8)	0.9 (0.6-1.4)
4	8.9 (5.6-13)	6.7 (4.4-9.9)	4.7 (3.1-6.9)	3.6 (2.4-5.3)	2.7 (1.8-4.1)	2.1 (1.4-3.1)	1.6 (1.0-2.4)
5	14 (11-19)	11 (8.9-15)	8.0 (6.5-10)	6.1 (5.0-8.0)	4.7 (3.8-6.1)	3.6 (2.9-4.7)	2.7 (2.2-3.6)
6	21	18	13	10	7.9	6.1	4.6

Age = 75 years

Number of CRFs	BMI kg/m <sup>2</sup>						
	15	20	25	30	35	40	45
0	1.5	1.1	0.7	0.5	0.4	0.3	0.2
1	2.9 (1.9-5.2)	2.1 (1.4-3.7)	1.4 (0.9-2.4)	1.0 (0.7-1.9)	0.8 (0.5-1.4)	0.6 (0.4-1.1)	0.5 (0.3-0.8)
2	5.2 (2.8-9.1)	3.8 (2.1-6.6)	2.6 (1.4-4.4)	2.0 (1.1-3.4)	1.5 (0.8-2.6)	1.1 (0.6-2.0)	0.9 (0.5-1.5)
3	9.0 (4.4-15)	6.8 (3.4-11)	4.8 (2.5-7.8)	3.6 (1.9-6.0)	2.8 (1.4-4.6)	2.1 (1.1-3.5)	1.6 (0.8-2.7)
4	15 (7.5-22)	12 (5.9-18)	8.5 (4.4-13)	6.5 (3.3-10)	5.0 (2.5-7.9)	3.8 (1.9-6.1)	2.9 (1.5-4.6)
5	23 (13-30)	19 (10-25)	14 (7.8-19)	11 (6.0-15)	8.7 (4.5-12)	6.7 (3.5-9.0)	5.1 (2.6-7.0)
6	34	29	23	19	15	11	8.7

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

Age = 80 years

Number of CRFs	BMI kg/m <sup>2</sup>						
	15	20	25	30	35	40	45
0	1.9	1.4	1.0	0.7	0.6	0.4	0.3
1	3.5 (2.4-6.6)	2.6 (1.8-4.8)	1.8 (1.3-3.3)	1.4 (1.0-2.5)	1.0 (0.7-1.9)	0.8 (0.6-1.5)	0.6 (0.4-1.1)
2	6.2 (3.5-11)	4.7 (2.7-8.3)	3.3 (1.9-5.7)	2.5 (1.5-4.4)	1.9 (1.1-3.4)	1.5 (0.8-2.6)	1.1 (0.6-2.0)
3	10 (5.3-16)	8.0 (4.2-13)	5.8 (3.0-9.8)	4.5 (2.3-7.6)	3.4 (1.7-5.8)	2.6 (1.3-4.4)	2.0 (1.0-3.4)
4	16 (8.1-23)	13 (6.6-19)	10.0 (5.0-15)	7.7 (3.8-11)	5.9 (2.9-8.8)	4.5 (2.2-6.8)	3.4 (1.6-5.2)
5	24 (13-31)	21 (11-27)	16 (8.6-21)	13 (6.6-17)	9.8 (5.0-13)	7.6 (3.8-10)	5.8 (2.9-7.7)
6	35	30	25	20	16	12	9.5

Age = 85 years

Number of CRFs	BMI kg/m <sup>2</sup>						
	15	20	25	30	35	40	45
0	2.5	1.9	1.3	1.0	0.8	0.6	0.4
1	4.4 (2.9-8.1)	3.4 (2.3-6.3)	2.4 (1.7-4.5)	1.9 (1.3-3.4)	1.4 (1.0-2.6)	1.1 (0.7-2.0)	0.8 (0.6-1.5)
2	7.5 (4.3-14)	6.0 (3.5-11)	4.4 (2.6-7.7)	3.4 (1.9-5.9)	2.6 (1.5-4.5)	1.9 (1.1-3.5)	1.5 (0.8-2.6)
3	12 (6.4-20)	10 (5.3-16)	7.6 (3.9-13)	5.9 (3.0-9.7)	4.5 (2.3-7.5)	3.4 (1.7-5.7)	2.6 (1.3-4.3)
4	19 (9.6-27)	16 (8.0-23)	13 (6.4-19)	9.8 (4.8-15)	7.6 (3.7-11)	5.8 (2.8-8.7)	4.4 (2.1-6.6)
5	28 (16-36)	24 (13-31)	20 (11-26)	16 (8.3-21)	12 (6.3-16)	9.5 (4.8-13)	7.3 (3.6-9.8)
6	39	35	30	24	19	15	12

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

Age = 90 years

Number of CRFs	BMI kg/m <sup>2</sup>						
	15	20	25	30	35	40	45
0	3.1	2.4	1.7	1.3	1.0	0.8	0.6
1	5.5 (3.6-10)	4.4 (2.9-8.0)	3.2 (2.2-5.9)	2.4 (1.7-4.5)	1.9 (1.3-3.4)	1.4 (1.0-2.6)	1.1 (0.7-2.0)
2	9.3 (5.3-17)	7.6 (4.4-13)	5.7 (3.3-10)	4.4 (2.5-7.8)	3.3 (1.9-6.0)	2.5 (1.4-4.5)	1.9 (1.1-3.5)
3	15 (7.9-24)	12 (6.6-20)	9.8 (5.1-16)	7.5 (3.9-12)	5.8 (3.0-9.5)	4.4 (2.2-7.3)	3.3 (1.7-5.6)
4	23 (12-32)	19 (9.9-27)	16 (8.1-23)	12 (6.1-18)	9.6 (4.7-14)	7.4 (3.5-11)	5.6 (2.6-8.4)
5	32 (19-41)	29 (16-36)	24 (13-31)	20 (10-25)	15 (8.0-20)	12 (6.1-16)	9.2 (4.6-12)
6	44	40	35	29	23	19	14