

**South Africa (Coloured) - The probabilities of a major osteoporotic fracture in men**

The following tables give the 10-year probability (%) of a major osteoporotic fracture (hip, clinical spine, forearm or proximal humerus 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 (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 <sup>2</sup>						
	15	20	25	30	35	40	45
0	1.0	1.0	1.1	0.9	0.8	0.7	0.6
1	1.7 (1.1-2.5)	1.6 (1.1-2.4)	1.6 (1.1-2.3)	1.4 (0.9-2.0)	1.2 (0.8-1.7)	1.1 (0.7-1.5)	0.9 (0.6-1.3)
2	2.6 (1.4-4.5)	2.5 (1.3-4.5)	2.5 (1.3-4.5)	2.2 (1.1-3.9)	1.9 (1.0-3.4)	1.6 (0.8-2.9)	1.4 (0.7-2.6)
3	4.1 (2.0-6.9)	3.9 (1.9-6.9)	3.8 (1.8-6.9)	3.3 (1.6-6.0)	2.8 (1.3-5.2)	2.4 (1.2-4.5)	2.1 (1.0-3.9)
4	6.2 (3.2-9.9)	5.8 (3.0-9.5)	5.6 (2.9-9.4)	4.9 (2.4-8.1)	4.2 (2.1-7.0)	3.6 (1.8-6.1)	3.1 (1.5-5.3)
5	9.3 (5.3-13)	8.7 (5.3-12)	8.3 (5.4-11)	7.1 (4.6-9.9)	6.1 (4.0-8.5)	5.2 (3.4-7.4)	4.5 (3.0-6.4)
6	14	13	12	10	8.8	7.5	6.5

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

Age = 55 years

Number of CRFs	BMI kg/m <sup>2</sup>						
	15	20	25	30	35	40	45
0	1.4	1.4	1.4	1.2	1.1	0.9	0.8
1	2.3 (1.5-3.4)	2.2 (1.5-3.2)	2.2 (1.5-3.1)	1.9 (1.3-2.6)	1.7 (1.1-2.3)	1.4 (0.9-2.0)	1.2 (0.8-1.7)
2	3.5 (2.0-5.9)	3.4 (1.9-5.9)	3.4 (1.8-5.9)	2.9 (1.6-5.1)	2.5 (1.3-4.4)	2.2 (1.1-3.8)	1.9 (1.0-3.3)
3	5.4 (3.0-8.8)	5.2 (2.7-8.9)	5.1 (2.5-9.0)	4.4 (2.2-7.8)	3.7 (1.8-6.7)	3.2 (1.6-5.8)	2.8 (1.3-5.0)
4	8.2 (4.5-13)	7.8 (4.2-12)	7.5 (4.0-12)	6.4 (3.4-11)	5.5 (2.8-9.1)	4.7 (2.4-7.9)	4.0 (2.0-6.8)
5	12 (7.3-16)	11 (7.2-15)	11 (7.3-15)	9.3 (6.2-13)	8.0 (5.3-11)	6.8 (4.5-9.5)	5.8 (3.9-8.2)
6	17	16	16	13	11	9.7	8.3

Age = 60 years

Number of CRFs	BMI kg/m <sup>2</sup>						
	15	20	25	30	35	40	45
0	1.9	1.8	1.8	1.6	1.3	1.2	1.0
1	2.9 (2.0-4.3)	2.8 (1.9-4.0)	2.8 (1.9-3.8)	2.4 (1.6-3.2)	2.0 (1.4-2.8)	1.8 (1.2-2.4)	1.5 (1.0-2.0)
2	4.5 (2.7-7.2)	4.3 (2.5-7.1)	4.2 (2.3-7.1)	3.6 (2.0-6.1)	3.1 (1.7-5.3)	2.6 (1.4-4.6)	2.3 (1.2-3.9)
3	6.9 (3.9-10)	6.5 (3.7-11)	6.3 (3.4-11)	5.4 (2.8-9.2)	4.6 (2.4-7.9)	3.9 (2.0-6.8)	3.3 (1.7-5.8)
4	10 (6.1-15)	9.6 (5.7-15)	9.3 (5.3-15)	7.9 (4.4-13)	6.7 (3.7-11)	5.7 (3.1-9.3)	4.8 (2.6-8.0)
5	15 (9.4-20)	14 (9.2-19)	13 (9.2-18)	11 (7.7-15)	9.6 (6.6-13)	8.1 (5.6-11)	6.9 (4.7-9.7)
6	21	20	19	16	14	12	9.8

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

Age = 65 years

Number of CRFs	BMI kg/m <sup>2</sup>						
	15	20	25	30	35	40	45
0	2.3	2.1	2.1	1.7	1.5	1.3	1.1
1	3.5 (2.5-4.9)	3.3 (2.3-4.5)	3.1 (2.2-4.2)	2.7 (1.8-3.5)	2.2 (1.5-3.0)	1.9 (1.3-2.5)	1.6 (1.1-2.2)
2	5.3 (3.4-7.9)	5.0 (3.0-7.7)	4.7 (2.8-7.6)	4.0 (2.3-6.5)	3.4 (1.9-5.6)	2.8 (1.6-4.8)	2.4 (1.4-4.1)
3	8.0 (4.9-12)	7.4 (4.6-11)	7.0 (4.1-11)	5.9 (3.4-9.6)	5.0 (2.8-8.2)	4.2 (2.3-7.0)	3.5 (1.9-6.0)
4	12 (7.4-17)	11 (7.1-16)	10 (6.4-16)	8.6 (5.2-13)	7.2 (4.3-11)	6.1 (3.5-9.7)	5.1 (2.9-8.2)
5	17 (11-22)	16 (11-21)	15 (11-20)	12 (8.8-17)	10 (7.3-14)	8.7 (6.1-12)	7.3 (5.1-10)
6	23	22	21	17	15	12	10

Age = 70 years

Number of CRFs	BMI kg/m <sup>2</sup>						
	15	20	25	30	35	40	45
0	2.6	2.5	2.3	2.0	1.6	1.4	1.2
1	4.1 (2.9-5.3)	3.7 (2.6-4.8)	3.5 (2.5-4.5)	2.9 (2.0-3.8)	2.4 (1.7-3.2)	2.0 (1.4-2.7)	1.7 (1.2-2.2)
2	6.4 (4.0-9.7)	5.7 (3.6-8.5)	5.2 (3.3-7.6)	4.3 (2.7-6.3)	3.5 (2.2-5.2)	2.9 (1.8-4.4)	2.4 (1.5-3.7)
3	9.8 (5.8-15)	8.7 (5.3-13)	7.8 (4.9-12)	6.4 (4.0-9.6)	5.2 (3.3-7.9)	4.3 (2.6-6.5)	3.5 (2.2-5.4)
4	15 (9.4-21)	13 (8.4-19)	12 (7.6-17)	9.5 (6.1-14)	7.7 (4.9-12)	6.3 (4.0-9.6)	5.2 (3.2-7.9)
5	22 (17-28)	19 (15-25)	17 (14-22)	14 (11-19)	11 (8.8-15)	9.3 (7.1-13)	7.5 (5.7-10)
6	31	28	25	20	17	14	11

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

Age = 75 years

Number of CRFs	BMI kg/m <sup>2</sup>						
	15	20	25	30	35	40	45
0	3.3	3.0	2.9	2.4	2.0	1.6	1.4
1	5.4 (3.5-8.5)	4.8 (3.3-7.0)	4.4 (3.1-5.6)	3.6 (2.5-4.5)	2.9 (2.0-3.6)	2.4 (1.7-3.0)	2.0 (1.4-2.5)
2	8.7 (4.9-15)	7.7 (4.5-12)	6.7 (4.1-10.0)	5.4 (3.3-8.0)	4.4 (2.7-6.5)	3.6 (2.2-5.2)	2.9 (1.8-4.2)
3	14 (7.0-23)	12 (6.5-19)	10 (6.1-15)	8.4 (4.9-12)	6.7 (3.9-10)	5.4 (3.2-8.1)	4.4 (2.5-6.5)
4	21 (11-30)	19 (10-27)	16 (9.4-23)	13 (7.5-19)	10 (6.0-15)	8.3 (4.8-12)	6.6 (3.9-9.9)
5	30 (19-39)	27 (17-35)	24 (16-31)	20 (13-26)	16 (11-21)	13 (8.5-17)	10 (6.9-14)
6	41	38	35	29	23	19	15

Age = 80 years

Number of CRFs	BMI kg/m <sup>2</sup>						
	15	20	25	30	35	40	45
0	4.3	3.9	3.6	2.9	2.4	2.0	1.6
1	7.0 (4.7-12)	6.3 (4.3-9.6)	5.5 (3.9-7.7)	4.5 (3.2-6.1)	3.6 (2.5-4.9)	3.0 (2.1-3.9)	2.4 (1.7-3.1)
2	11 (6.5-18)	9.8 (6.0-15)	8.5 (5.3-12)	6.9 (4.3-9.7)	5.5 (3.4-7.8)	4.4 (2.8-6.3)	3.6 (2.2-5.0)
3	17 (9.3-26)	15 (8.6-23)	13 (7.9-19)	10 (6.3-15)	8.4 (5.0-12)	6.7 (4.0-9.8)	5.4 (3.2-7.8)
4	25 (14-35)	22 (13-31)	20 (12-27)	16 (9.8-22)	13 (7.8-18)	10 (6.2-15)	8.1 (4.9-12)
5	34 (21-43)	32 (20-40)	28 (19-36)	23 (15-30)	19 (12-25)	15 (9.8-20)	12 (7.9-16)
6	45	42	39	33	27	22	18

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

Age = 85 years

Number of CRFs	BMI kg/m <sup>2</sup>						
	15	20	25	30	35	40	45
0	5.8	5.2	4.6	3.7	3.0	2.5	2.0
1	9.4 (6.3-16)	8.4 (5.7-13)	7.3 (5.1-11)	5.8 (4.1-8.5)	4.7 (3.2-6.7)	3.8 (2.6-5.3)	3.0 (2.1-4.2)
2	15 (8.6-24)	13 (8.0-21)	11 (7.1-17)	9.1 (5.6-14)	7.3 (4.5-11)	5.8 (3.5-8.5)	4.6 (2.8-6.7)
3	22 (12-33)	20 (11-30)	17 (10-25)	14 (8.2-20)	11 (6.4-16)	8.9 (5.1-13)	7.0 (4.0-11)
4	31 (18-42)	28 (17-39)	26 (16-35)	21 (13-29)	17 (10-24)	13 (8.0-19)	11 (6.3-15)
5	41 (27-50)	39 (25-48)	36 (24-44)	30 (19-38)	24 (15-31)	20 (12-26)	16 (9.9-21)
6	53	50	47	40	34	28	23

Age = 90 years

Number of CRFs	BMI kg/m <sup>2</sup>						
	15	20	25	30	35	40	45
0	7.9	6.9	5.9	4.7	3.8	3.0	2.4
1	13 (8.7-21)	11 (7.7-18)	9.5 (6.7-15)	7.6 (5.3-12)	6.0 (4.2-9.1)	4.8 (3.3-7.2)	3.8 (2.6-5.6)
2	20 (12-32)	18 (11-28)	15 (9.4-23)	12 (7.4-19)	9.5 (5.8-15)	7.5 (4.6-12)	6.0 (3.6-9.2)
3	28 (17-42)	26 (15-38)	23 (14-33)	18 (11-27)	15 (8.5-22)	12 (6.6-18)	9.3 (5.2-14)
4	39 (24-51)	36 (22-48)	33 (20-43)	27 (16-37)	22 (13-31)	18 (10-25)	14 (8.2-20)
5	50 (34-58)	47 (32-56)	44 (30-53)	38 (25-46)	31 (20-39)	26 (16-33)	21 (13-27)
6	60	58	56	49	42	36	30