South Africa (White) - 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 (White). 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	0.3	0.2	0.1	0.1	0.1	0.0	0.0
1	0.5 (0.4-1.1)	0.3 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
2	1.0 (0.5-2.1)	0.6 (0.3-1.2)	0.3 (0.2-0.7)	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	1.9 (0.8-3.8)	1.1 (0.4-2.2)	0.6 (0.2-1.2)	0.5 (0.2-0.9)	0.4 (0.1-0.7)	0.3 (0.1-0.6)	0.2 (0.1-0.4)
4	3.5 (1.4-5.7)	2.0 (0.8-3.3)	1.1 (0.4-1.8)	0.9 (0.3-1.4)	0.7 (0.3-1.1)	0.5 (0.2-0.9)	0.4 (0.2-0.7)
5	6.1 (2.7-8.0)	3.5 (1.6-4.7)	2.0 (0.9-2.7)	1.6 (0.7-2.1)	1.2 (0.5-1.6)	0.9 (0.4-1.3)	0.7 (0.3-1.0)
6	10	6.2	3.5	2.7	2.1	1.7	1.3

Age = 55 years

Number of CRFs	BMI kg/m²						
	15	20	25	30	35	40	45
0	0.5	0.3	0.2	0.1	0.1	0.1	0.1
1	0.9 (0.7-1.7)	0.5 (0.4-1.0)	0.3 (0.2-0.5)	0.2 (0.2-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.3)	0.1 (0.1-0.2)
2	1.7 (0.9-3.3)	1.0 (0.5-2.0)	0.6 (0.3-1.1)	0.4 (0.2-0.9)	0.3 (0.2-0.7)	0.3 (0.1-0.5)	0.2 (0.1-0.4)
3	3.1 (1.4-5.8)	1.8 (0.8-3.4)	1.0 (0.5-2.0)	0.8 (0.4-1.5)	0.6 (0.3-1.2)	0.5 (0.2-0.9)	0.4 (0.2-0.7)
4	5.5 (2.5-8.7)	3.2 (1.5-5.2)	1.9 (0.8-3.0)	1.4 (0.6-2.3)	1.1 (0.5-1.8)	0.9 (0.4-1.4)	0.7 (0.3-1.1)
5	9.3 (4.9-12)	5.6 (2.9-7.4)	3.3 (1.7-4.3)	2.5 (1.3-3.4)	2.0 (1.0-2.6)	1.5 (0.8-2.0)	1.2 (0.6-1.6)
6	15	9.6	5.6	4.4	3.4	2.6	2.0

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

Age = 60 years

Number of CRFs	BMI kg/m²						
	15	20	25	30	35	40	45
0	0.9	0.5	0.3	0.2	0.2	0.1	0.1
1	1.6 (1.2-2.6)	1.0 (0.7-1.5)	0.5 (0.4-0.9)	0.4 (0.3-0.7)	0.3 (0.2-0.5)	0.3 (0.2-0.4)	0.2 (0.1-0.3)
2	2.9 (1.7-5.0)	1.7 (1.0-3.1)	1.0 (0.6-1.8)	0.8 (0.4-1.4)	0.6 (0.3-1.1)	0.5 (0.3-0.8)	0.4 (0.2-0.6)
3	5.0 (2.6-8.7)	3.0 (1.5-5.3)	1.8 (0.9-3.1)	1.4 (0.7-2.4)	1.0 (0.5-1.9)	0.8 (0.4-1.4)	0.6 (0.3-1.1)
4	8.4 (4.5-13)	5.2 (2.7-8.0)	3.1 (1.5-4.7)	2.4 (1.2-3.7)	1.8 (0.9-2.8)	1.4 (0.7-2.2)	1.1 (0.6-1.7)
5	14 (8.3-17)	8.7 (5.2-11)	5.2 (3.1-6.8)	4.1 (2.4-5.3)	3.1 (1.9-4.1)	2.4 (1.4-3.2)	1.9 (1.1-2.4)
6	22	14	8.8	6.9	5.3	4.1	3.2

Age = 65 years

Number of CRFs	BMI kg/m²						
	15	20	25	30	35	40	45
0	1.5	0.9	0.5	0.4	0.3	0.2	0.2
1	2.6 (2.0-3.8)	1.6 (1.2-2.3)	0.9 (0.7-1.3)	0.7 (0.5-1.0)	0.6 (0.4-0.8)	0.4 (0.3-0.6)	0.3 (0.2-0.5)
2	4.4 (2.8-7.0)	2.7 (1.7-4.4)	1.6 (1.0-2.6)	1.2 (0.8-2.0)	1.0 (0.6-1.6)	0.7 (0.5-1.2)	0.6 (0.4-0.9)
3	7.3 (4.2-12)	4.6 (2.6-7.6)	2.8 (1.5-4.6)	2.1 (1.2-3.6)	1.6 (0.9-2.8)	1.3 (0.7-2.1)	1.0 (0.5-1.6)
4	12 (7.3-17)	7.7 (4.5-11)	4.7 (2.7-7.0)	3.6 (2.1-5.4)	2.8 (1.6-4.2)	2.2 (1.2-3.2)	1.7 (1.0-2.5)
5	18 (13-22)	12 (8.5-15)	7.7 (5.3-9.8)	6.0 (4.1-7.6)	4.7 (3.2-5.9)	3.6 (2.4-4.6)	2.8 (1.9-3.5)
6	28	19	13	9.8	7.7	5.9	4.6

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

Age = 70 years

Number of CRFs	BMI kg/m²						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	2.5	1.6	0.9	0.7	0.6	0.4	0.3
1	4.4 (3.3-5.3)	2.8 (2.2-3.3)	1.7 (1.3-2.0)	1.3 (1.0-1.5)	1.0 (0.8-1.2)	0.8 (0.6-0.9)	0.6 (0.5-0.7)
2	7.6 (5.0-11)	5.0 (3.3-6.9)	3.0 (2.0-4.2)	2.4 (1.5-3.2)	1.8 (1.2-2.5)	1.4 (0.9-1.9)	1.1 (0.7-1.5)
3	13 (8.5-18)	8.7 (5.7-13)	5.4 (3.5-8.1)	4.2 (2.7-6.3)	3.2 (2.1-4.8)	2.5 (1.6-3.7)	1.9 (1.2-2.9)
4	21 (14-29)	15 (10-21)	9.5 (6.7-14)	7.4 (5.2-11)	5.7 (4.0-8.4)	4.4 (3.1-6.5)	3.4 (2.4-5.0)
5	32 (27-39)	24 (20-30)	16 (14-20)	13 (11-16)	9.9 (8.3-12)	7.7 (6.4-9.7)	6.0 (4.9-7.6)
6	44	36	26	21	17	13	10

Age = 75 years

Number of CRFs	BMI kg/m²						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	4.1	2.7	1.6	1.3	1.0	0.8	0.6
1	7.7 (5.3-13)	5.2 (3.6-9.0)	3.2 (2.3-5.6)	2.5 (1.8-4.4)	1.9 (1.4-3.4)	1.5 (1.0-2.6)	1.1 (0.8-2.0)
2	14 (7.9-22)	9.5 (5.5-16)	6.2 (3.5-11)	4.8 (2.7-8.2)	3.7 (2.1-6.3)	2.8 (1.6-4.9)	2.2 (1.2-3.7)
3	22 (12-35)	17 (9.3-26)	11 (6.1-18)	8.8 (4.7-14)	6.8 (3.6-11)	5.3 (2.8-8.7)	4.1 (2.1-6.7)
4	34 (20-47)	27 (16-39)	20 (11-29)	15 (8.4-23)	12 (6.5-19)	9.5 (5.0-15)	7.3 (3.8-11)
5	47 (32-57)	41 (26-51)	32 (19-40)	26 (15-33)	21 (12-27)	16 (8.9-21)	13 (6.9-17)
6	60	56	48	40	33	27	21

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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 (White).

Age = 80 years

Number of CRFs	BMI kg/m²						
	15	20	25	30	35	40	45
0	6.4	4.4	2.8	2.2	1.7	1.3	1.0
1	11 (7.9-20)	8.1 (5.8-14)	5.4 (3.9-9.5)	4.1 (3.0-7.4)	3.2 (2.3-5.7)	2.4 (1.7-4.4)	1.9 (1.3-3.4)
2	19 (12-31)	14 (8.6-23)	9.7 (5.8-17)	7.5 (4.5-13)	5.8 (3.4-10)	4.5 (2.6-7.9)	3.5 (2.0-6.1)
3	28 (17-41)	23 (13-35)	17 (8.9-27)	13 (6.9-22)	10 (5.3-17)	8.0 (4.1-13)	6.1 (3.1-10)
4	40 (24-52)	35 (20-46)	27 (15-38)	22 (12-31)	17 (9.1-25)	14 (7.0-20)	11 (5.4-16)
5	52 (36-61)	48 (31-57)	40 (25-49)	34 (20-41)	27 (15-34)	22 (12-28)	17 (9.2-22)
6	64	60	55	48	40	33	27

Age = 85 years

Number of CRFs	BMI kg/m²						
	15	20	25	30	35	40	45
0	9.6	7.1	4.8	3.7	2.8	2.2	1.7
1	16 (11-27)	13 (8.9-22)	8.9 (6.4-16)	6.9 (4.9-12)	5.3 (3.7-9.5)	4.1 (2.8-7.3)	3.1 (2.2-5.6)
2	25 (16-40)	21 (13-34)	15 (9.5-25)	12 (7.3-20)	9.4 (5.6-16)	7.3 (4.3-12)	5.6 (3.3-9.7)
3	36 (22-51)	31 (19-45)	25 (14-38)	20 (11-31)	16 (8.6-25)	12 (6.6-20)	9.7 (5.0-16)
4	47 (31-60)	43 (27-56)	37 (22-50)	31 (18-42)	25 (14-35)	20 (11-29)	16 (8.2-23)
5	59 (43-67)	56 (39-64)	51 (34-60)	44 (28-53)	37 (22-46)	31 (18-38)	25 (14-32)
6	69	67	64	57	50	43	36

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

Age = 90 years

Number of CRFs	BMI kg/m²						
	15	20	25	30	35	40	45
0	14	11	7.7	5.9	4.5	3.4	2.6
1	22 (16-35)	18 (13-30)	14 (9.7-23)	11 (7.5-19)	8.2 (5.7-15)	6.3 (4.4-11)	4.8 (3.3-8.7)
2	32 (21-48)	28 (18-43)	22 (14-36)	18 (11-29)	14 (8.6-24)	11 (6.6-19)	8.5 (5.0-15)
3	43 (29-58)	39 (25-54)	34 (21-48)	28 (16-41)	23 (13-34)	18 (9.9-28)	14 (7.6-22)
4	55 (38-67)	51 (34-64)	47 (30-59)	40 (24-52)	34 (19-45)	27 (15-38)	22 (12-31)
5	65 (51-72)	63 (47-70)	60 (43-68)	53 (36-62)	46 (30-55)	39 (24-48)	33 (19-41)
6	72	72	70	65	58	52	45