

**Zimbabwe - 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 the T-score for femoral neck BMD, the number of clinical risk factors (CRF) and age. Each table provides a mean estimate and a range, based on the epidemiology of Zimbabwe. The range is not a confidence interval, but because the weight of different risk factors varies, is a true range.

Note that the BMI is set at 24 kg/m<sup>2</sup>

Age = 50 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	9.6	5.8	3.6	2.4	1.7	1.3	1.1	0.9	0.8	0.8	0.7
1	15 (12-19)	8.9 (7.6-12)	5.6 (4.9-7.3)	3.7 (3.1-4.8)	2.7 (2.1-3.4)	2.0 (1.5-2.6)	1.6 (1.1-2.1)	1.4 (0.9-1.8)	1.2 (0.8-1.7)	1.1 (0.7-1.6)	1.1 (0.7-1.6)
2	21 (16-30)	13 (9.9-19)	8.4 (6.4-12)	5.6 (4.2-7.9)	4.0 (2.8-5.7)	3.0 (1.9-4.7)	2.4 (1.4-3.9)	2.0 (1.1-3.4)	1.8 (0.9-3.1)	1.7 (0.9-3.0)	1.6 (0.8-2.9)
3	30 (21-40)	19 (13-26)	12 (8.7-17)	8.3 (5.8-12)	5.8 (3.8-9.0)	4.4 (2.6-7.3)	3.5 (1.9-6.2)	2.9 (1.5-5.4)	2.6 (1.2-4.9)	2.4 (1.1-4.7)	2.3 (1.1-4.5)
4	41 (29-51)	27 (19-35)	18 (12-22)	12 (7.9-15)	8.4 (5.5-12)	6.3 (4.1-9.5)	5.0 (3.0-8.0)	4.2 (2.3-6.9)	3.7 (1.9-6.3)	3.5 (1.8-6.0)	3.3 (1.7-5.8)
5	52 (43-61)	37 (29-44)	25 (19-29)	17 (13-20)	12 (8.8-15)	8.9 (6.5-12)	7.0 (5.2-9.6)	5.8 (4.3-8.2)	5.1 (3.7-7.4)	4.8 (3.3-7.1)	4.6 (3.1-6.8)
6	64	48	34	23	17	12	9.7	8.0	7.0	6.6	6.3

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

Age = 55 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	9.6	6.0	3.9	2.6	1.9	1.4	1.1	0.9	0.8	0.8	0.7
1	14 (12-18)	9.0 (7.9-11)	5.8 (5.1-7.3)	3.9 (3.3-4.9)	2.8 (2.2-3.5)	2.1 (1.6-2.6)	1.7 (1.2-2.2)	1.4 (0.9-1.9)	1.2 (0.8-1.7)	1.2 (0.7-1.6)	1.1 (0.7-1.5)
2	20 (16-27)	13 (10-18)	8.6 (6.7-12)	5.8 (4.5-7.9)	4.2 (3.0-5.8)	3.1 (2.1-4.7)	2.5 (1.5-3.9)	2.0 (1.2-3.4)	1.8 (1.0-3.1)	1.7 (0.9-2.9)	1.6 (0.8-2.8)
3	28 (21-37)	19 (14-25)	12 (9.0-16)	8.5 (6.2-12)	6.0 (4.1-9.1)	4.5 (2.8-7.3)	3.6 (2.0-6.1)	2.9 (1.5-5.2)	2.6 (1.3-4.8)	2.4 (1.2-4.5)	2.3 (1.1-4.3)
4	38 (29-46)	26 (19-32)	18 (12-21)	12 (8.3-15)	8.6 (5.9-12)	6.4 (4.4-9.5)	5.0 (3.2-7.9)	4.1 (2.4-6.7)	3.7 (2.0-6.2)	3.4 (1.8-5.8)	3.2 (1.6-5.5)
5	49 (41-56)	35 (28-41)	24 (19-28)	17 (13-20)	12 (9.2-15)	9.0 (6.8-12)	7.0 (5.3-9.6)	5.7 (4.3-8.1)	5.1 (3.7-7.3)	4.7 (3.3-6.9)	4.4 (3.0-6.5)
6	59	45	32	23	16	12	9.6	7.8	6.9	6.3	5.9

Age = 60 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	7.9	5.2	3.6	2.5	1.8	1.4	1.1	0.9	0.8	0.8	0.7
1	12 (10.0-14)	7.7 (6.9-9.2)	5.2 (4.5-6.3)	3.7 (3.0-4.4)	2.7 (2.1-3.3)	2.1 (1.5-2.5)	1.6 (1.2-2.1)	1.3 (0.9-1.8)	1.2 (0.8-1.7)	1.1 (0.7-1.5)	1.0 (0.6-1.5)
2	16 (13-21)	11 (8.5-14)	7.6 (6.0-9.9)	5.3 (4.2-7.0)	3.9 (2.9-5.4)	3.0 (2.0-4.4)	2.4 (1.5-3.7)	1.9 (1.2-3.1)	1.7 (1.0-2.9)	1.6 (0.9-2.7)	1.5 (0.8-2.5)
3	22 (17-29)	15 (12-20)	11 (8.0-14)	7.6 (5.7-10)	5.6 (3.9-8.2)	4.3 (2.8-6.7)	3.4 (2.0-5.6)	2.7 (1.5-4.7)	2.4 (1.3-4.4)	2.2 (1.1-4.1)	2.1 (1.0-3.9)
4	30 (23-37)	21 (16-26)	15 (11-18)	11 (7.7-14)	7.8 (5.6-11)	6.0 (4.2-8.7)	4.7 (3.1-7.2)	3.8 (2.4-6.1)	3.4 (2.0-5.7)	3.1 (1.7-5.3)	2.9 (1.5-5.0)
5	39 (33-44)	28 (23-32)	20 (16-23)	15 (12-17)	11 (8.5-14)	8.2 (6.4-11)	6.4 (5.0-8.8)	5.2 (4.0-7.4)	4.7 (3.5-6.8)	4.2 (3.0-6.3)	3.9 (2.7-5.9)
6	48	36	27	20	15	11	8.7	7.0	6.2	5.7	5.3

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

Age = 65 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	6.3	4.4	3.1	2.3	1.7	1.3	1.0	0.9	0.8	0.7	0.6
1	8.9 (8.0-10)	6.2 (5.5-7.2)	4.5 (3.8-5.2)	3.3 (2.6-3.8)	2.4 (1.9-2.9)	1.9 (1.4-2.3)	1.5 (1.1-1.9)	1.2 (0.9-1.6)	1.1 (0.7-1.5)	1.0 (0.6-1.4)	0.9 (0.6-1.3)
2	12 (9.6-15)	8.8 (6.9-11)	6.3 (5.0-7.8)	4.6 (3.6-5.9)	3.5 (2.6-4.7)	2.7 (1.9-3.9)	2.1 (1.4-3.2)	1.8 (1.1-2.8)	1.6 (0.9-2.6)	1.4 (0.8-2.4)	1.3 (0.7-2.2)
3	17 (13-21)	12 (9.3-15)	8.8 (6.8-11)	6.4 (5.0-8.7)	4.9 (3.6-7.0)	3.8 (2.6-5.7)	3.0 (1.9-4.8)	2.5 (1.5-4.1)	2.2 (1.2-3.8)	2.0 (1.0-3.5)	1.8 (0.9-3.3)
4	22 (18-27)	16 (13-20)	12 (9.2-15)	8.9 (6.7-11)	6.7 (5.0-9.1)	5.2 (3.8-7.5)	4.1 (2.8-6.2)	3.4 (2.2-5.4)	3.0 (1.8-4.9)	2.7 (1.5-4.5)	2.5 (1.4-4.2)
5	29 (25-33)	22 (18-25)	16 (13-19)	12 (9.8-15)	9.0 (7.3-12)	7.0 (5.6-9.3)	5.5 (4.4-7.6)	4.6 (3.6-6.5)	4.0 (3.1-5.9)	3.6 (2.6-5.4)	3.3 (2.3-5.0)
6	36	28	21	16	12	9.3	7.4	6.1	5.3	4.8	4.4

Age = 70 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	4.9	3.5	2.6	2.0	1.5	1.2	0.9	0.8	0.7	0.6	0.6
1	7.2 (5.9-9.3)	5.2 (4.2-6.7)	3.9 (3.0-4.9)	2.9 (2.2-3.7)	2.2 (1.6-2.8)	1.7 (1.2-2.1)	1.3 (1.0-1.7)	1.1 (0.8-1.4)	1.0 (0.7-1.2)	0.8 (0.6-1.0)	0.8 (0.5-0.9)
2	11 (8.1-14)	7.7 (5.8-10)	5.6 (4.2-7.7)	4.2 (3.0-5.7)	3.1 (2.2-4.4)	2.4 (1.7-3.4)	1.9 (1.3-2.6)	1.5 (1.0-2.2)	1.3 (0.8-1.9)	1.2 (0.7-1.7)	1.0 (0.6-1.5)
3	15 (11-20)	11 (8.2-15)	8.2 (5.9-11)	6.0 (4.3-8.3)	4.5 (3.1-6.4)	3.4 (2.3-4.9)	2.6 (1.7-3.9)	2.1 (1.4-3.2)	1.8 (1.1-2.8)	1.6 (1.0-2.4)	1.4 (0.8-2.2)
4	21 (16-26)	16 (12-20)	12 (8.5-15)	8.7 (6.1-11)	6.4 (4.5-8.5)	4.8 (3.3-6.6)	3.7 (2.5-5.1)	3.0 (2.0-4.2)	2.5 (1.6-3.6)	2.1 (1.4-3.2)	1.8 (1.2-2.8)
5	29 (23-33)	22 (17-26)	17 (13-20)	12 (9.4-15)	9.2 (6.9-11)	6.8 (5.2-8.7)	5.2 (3.9-6.7)	4.1 (3.1-5.5)	3.4 (2.6-4.6)	2.8 (2.2-4.0)	2.5 (1.9-3.5)
6	38	30	23	17	13	9.6	7.2	5.7	4.6	3.8	3.2

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

Age = 75 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	3.9	3.0	2.3	1.8	1.4	1.1	0.9	0.8	0.7	0.6	0.5
1	6.4 (4.5-12)	4.8 (3.4-9.0)	3.7 (2.5-6.7)	2.8 (1.9-4.9)	2.2 (1.5-3.7)	1.7 (1.1-2.7)	1.3 (0.9-2.1)	1.1 (0.7-1.6)	1.0 (0.6-1.3)	0.8 (0.6-1.1)	0.7 (0.5-0.9)
2	10 (6.1-17)	7.7 (4.6-13)	5.8 (3.5-9.5)	4.4 (2.6-7.1)	3.3 (2.0-5.3)	2.6 (1.6-4.0)	2.0 (1.2-3.0)	1.6 (1.0-2.4)	1.4 (0.8-2.0)	1.1 (0.7-1.6)	1.0 (0.6-1.4)
3	16 (8.5-23)	12 (6.4-18)	9.0 (4.9-14)	6.8 (3.7-10)	5.1 (2.8-7.6)	3.9 (2.1-5.8)	3.0 (1.6-4.4)	2.4 (1.3-3.5)	1.9 (1.1-2.9)	1.6 (0.9-2.4)	1.4 (0.8-2.0)
4	23 (12-30)	18 (9.1-24)	14 (6.9-19)	10 (5.2-14)	7.8 (3.9-11)	5.9 (3.0-8.1)	4.4 (2.3-6.1)	3.5 (1.9-4.8)	2.8 (1.6-3.9)	2.3 (1.3-3.2)	1.9 (1.1-2.6)
5	32 (17-38)	26 (13-31)	20 (9.8-24)	15 (7.5-19)	12 (5.7-14)	8.8 (4.4-11)	6.6 (3.4-8.3)	5.2 (2.8-6.6)	4.1 (2.4-5.3)	3.3 (2.0-4.3)	2.6 (1.7-3.5)
6	43	35	28	22	17	13	9.8	7.6	6.0	4.7	3.7

Age = 80 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	3.2	2.5	2.0	1.6	1.3	1.1	0.9	0.8	0.7	0.6	0.5
1	5.0 (3.5-9.4)	4.0 (2.7-7.3)	3.1 (2.1-5.6)	2.5 (1.7-4.4)	2.0 (1.3-3.4)	1.6 (1.1-2.6)	1.3 (0.9-2.1)	1.1 (0.7-1.7)	0.9 (0.6-1.4)	0.8 (0.5-1.1)	0.7 (0.5-1.0)
2	7.8 (4.7-13)	6.2 (3.7-10)	4.8 (2.9-8.1)	3.8 (2.3-6.2)	3.0 (1.8-4.8)	2.4 (1.4-3.7)	1.9 (1.2-2.9)	1.6 (1.0-2.4)	1.3 (0.8-2.0)	1.1 (0.7-1.6)	1.0 (0.6-1.4)
3	12 (6.4-18)	9.4 (5.1-14)	7.3 (4.0-11)	5.8 (3.2-8.8)	4.5 (2.5-6.8)	3.5 (2.0-5.3)	2.8 (1.6-4.2)	2.3 (1.3-3.4)	1.9 (1.1-2.8)	1.6 (1.0-2.3)	1.4 (0.8-2.0)
4	17 (8.7-24)	14 (6.9-19)	11 (5.5-15)	8.6 (4.4-12)	6.7 (3.5-9.3)	5.3 (2.7-7.3)	4.1 (2.2-5.7)	3.4 (1.8-4.6)	2.8 (1.5-3.8)	2.3 (1.3-3.1)	1.9 (1.1-2.6)
5	25 (12-29)	20 (9.6-24)	16 (7.6-19)	13 (6.0-15)	9.9 (4.8-12)	7.7 (3.8-9.7)	6.1 (3.1-7.7)	4.9 (2.6-6.3)	4.0 (2.2-5.1)	3.3 (1.9-4.3)	2.7 (1.6-3.5)
6	34	28	22	18	14	11	8.8	7.1	5.8	4.7	3.8

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

Age = 85 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	2.6	2.1	1.7	1.4	1.2	1.0	0.8	0.7	0.7	0.6	0.5
1	4.0 (2.7-7.4)	3.3 (2.2-6.0)	2.7 (1.8-4.8)	2.2 (1.5-3.9)	1.8 (1.2-3.1)	1.5 (1.0-2.5)	1.2 (0.8-2.0)	1.1 (0.7-1.7)	0.9 (0.6-1.4)	0.8 (0.5-1.2)	0.7 (0.5-1.0)
2	6.2 (3.7-10)	5.0 (3.0-8.5)	4.1 (2.4-6.8)	3.3 (2.0-5.5)	2.7 (1.6-4.4)	2.2 (1.3-3.5)	1.8 (1.1-2.9)	1.6 (1.0-2.4)	1.3 (0.8-2.0)	1.2 (0.7-1.7)	1.0 (0.6-1.5)
3	9.3 (5.0-14)	7.6 (4.1-12)	6.2 (3.3-9.4)	5.0 (2.7-7.6)	4.1 (2.2-6.2)	3.3 (1.8-5.0)	2.7 (1.5-4.1)	2.3 (1.3-3.4)	2.0 (1.1-2.8)	1.7 (1.0-2.4)	1.4 (0.8-2.0)
4	14 (6.8-19)	11 (5.6-16)	9.2 (4.6-13)	7.4 (3.7-10)	6.0 (3.1-8.4)	4.9 (2.5-6.8)	4.0 (2.1-5.6)	3.4 (1.8-4.7)	2.8 (1.5-3.9)	2.4 (1.3-3.3)	2.0 (1.1-2.8)
5	20 (9.5-24)	16 (7.8-20)	13 (6.3-16)	11 (5.2-14)	8.9 (4.2-11)	7.2 (3.5-9.0)	5.9 (2.9-7.5)	4.9 (2.5-6.3)	4.1 (2.1-5.3)	3.5 (1.8-4.5)	2.9 (1.6-3.8)
6	27	23	19	16	13	10	8.6	7.2	6.0	5.0	4.2

Age = 90 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	2.2	1.8	1.5	1.3	1.1	0.9	0.8	0.7	0.6	0.6	0.5
1	3.3 (2.2-6.0)	2.8 (1.9-5.0)	2.4 (1.6-4.2)	2.0 (1.3-3.5)	1.7 (1.1-2.9)	1.4 (0.9-2.4)	1.2 (0.8-2.1)	1.1 (0.7-1.8)	0.9 (0.6-1.5)	0.8 (0.5-1.3)	0.7 (0.5-1.2)
2	5.1 (3.0-8.6)	4.3 (2.5-7.2)	3.6 (2.1-6.0)	3.0 (1.8-5.0)	2.5 (1.5-4.2)	2.1 (1.2-3.5)	1.8 (1.1-3.0)	1.6 (0.9-2.5)	1.4 (0.8-2.2)	1.2 (0.7-1.9)	1.1 (0.6-1.6)
3	7.7 (4.1-12)	6.4 (3.5-9.8)	5.4 (2.9-8.3)	4.5 (2.4-6.9)	3.8 (2.0-5.8)	3.2 (1.7-4.8)	2.7 (1.5-4.1)	2.4 (1.3-3.6)	2.0 (1.1-3.1)	1.8 (1.0-2.6)	1.5 (0.9-2.3)
4	11 (5.6-16)	9.5 (4.7-13)	8.0 (4.0-11)	6.7 (3.3-9.4)	5.6 (2.8-7.9)	4.7 (2.4-6.6)	4.1 (2.0-5.7)	3.5 (1.8-4.9)	3.0 (1.6-4.2)	2.6 (1.4-3.6)	2.3 (1.2-3.1)
5	16 (7.8-20)	14 (6.6-17)	12 (5.5-15)	9.9 (4.6-12)	8.3 (3.9-10)	7.0 (3.3-8.8)	6.0 (2.8-7.5)	5.2 (2.5-6.5)	4.5 (2.2-5.7)	3.9 (1.9-4.9)	3.3 (1.7-4.3)
6	23	20	17	14	12	10	8.7	7.6	6.5	5.6	4.9