

**Singapore (Indian) - 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 Singapore (Indian). 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	10	6.1	3.8	2.6	1.9	1.5	1.2	1.0	0.9	0.9	0.8	
1	15 (12-20)	9.4 (8.1-12)	5.9 (5.2-7.7)	4.0 (3.3-5.1)	2.9 (2.3-3.7)	2.2 (1.6-2.8)	1.8 (1.3-2.3)	1.5 (1.0-2.0)	1.4 (0.9-1.9)	1.3 (0.8-1.8)	1.2 (0.8-1.7)	
2	23 (17-32)	14 (11-20)	9.1 (7.0-13)	6.1 (4.6-8.6)	4.4 (3.0-6.3)	3.3 (2.1-5.2)	2.7 (1.6-4.4)	2.3 (1.3-3.8)	2.0 (1.1-3.5)	1.9 (1.0-3.3)	1.8 (0.9-3.2)	
3	33 (23-44)	21 (15-29)	13 (9.5-18)	9.1 (6.3-13)	6.5 (4.1-10)	4.9 (2.8-8.3)	3.9 (2.1-7.0)	3.3 (1.6-6.1)	2.9 (1.4-5.5)	2.8 (1.3-5.3)	2.6 (1.2-5.1)	
4	45 (32-57)	30 (20-39)	20 (13-25)	13 (8.6-17)	9.4 (6.1-13)	7.1 (4.6-11)	5.7 (3.5-9.1)	4.7 (2.7-7.9)	4.2 (2.3-7.1)	3.9 (2.1-6.8)	3.8 (1.9-6.6)	
5	58 (48-68)	41 (32-49)	28 (21-33)	19 (14-22)	13 (10-16)	10 (7.6-13)	8.1 (6.0-11)	6.7 (5.0-9.4)	5.9 (4.3-8.4)	5.5 (3.9-8.0)	5.3 (3.6-7.7)	
6	72	54	38	26	19	14	11	9.3	8.2	7.7	7.3	

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

**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	13	8.3	5.5	3.8	2.8	2.1	1.7	1.4	1.3	1.2	1.1
1	19 (16-24)	12 (11-15)	8.3 (7.3-10)	5.7 (4.8-7.0)	4.2 (3.3-5.1)	3.2 (2.4-4.0)	2.6 (1.8-3.4)	2.2 (1.5-2.9)	1.9 (1.3-2.7)	1.8 (1.2-2.5)	1.7 (1.1-2.4)
2	28 (22-37)	18 (14-25)	12 (9.8-17)	8.5 (6.5-12)	6.2 (4.4-8.7)	4.8 (3.1-7.2)	3.8 (2.3-6.1)	3.2 (1.8-5.2)	2.8 (1.5-4.8)	2.6 (1.4-4.5)	2.5 (1.3-4.3)
3	38 (29-49)	26 (19-33)	18 (13-23)	12 (9.0-17)	9.0 (5.9-14)	6.9 (4.2-11)	5.5 (3.1-9.6)	4.6 (2.4-8.2)	4.1 (2.0-7.6)	3.8 (1.8-7.1)	3.6 (1.7-6.8)
4	51 (39-61)	36 (26-44)	25 (18-30)	18 (12-23)	13 (8.8-18)	9.9 (6.7-15)	7.9 (5.0-12)	6.5 (3.8-11)	5.8 (3.2-9.7)	5.4 (2.9-9.1)	5.1 (2.7-8.7)
5	63 (55-71)	48 (40-55)	34 (28-39)	25 (19-28)	18 (14-22)	14 (11-18)	11 (8.5-15)	9.1 (7.0-13)	8.1 (5.9-11)	7.5 (5.2-11)	7.0 (4.8-10)
6	74	60	45	33	25	19	15	12	11	10	9.6

**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	17	12	8.0	5.7	4.3	3.3	2.6	2.2	2.0	1.8	1.7
1	24 (22-28)	17 (15-20)	12 (10-14)	8.4 (7.1-10)	6.3 (5.0-7.4)	4.9 (3.7-5.9)	3.9 (2.8-5.0)	3.2 (2.2-4.3)	2.9 (1.9-3.9)	2.6 (1.7-3.7)	2.4 (1.6-3.4)
2	34 (28-42)	24 (19-31)	17 (14-22)	12 (9.6-16)	9.2 (6.7-12)	7.1 (4.8-10)	5.7 (3.6-8.6)	4.7 (2.8-7.4)	4.2 (2.4-6.8)	3.8 (2.1-6.4)	3.5 (1.9-6.0)
3	45 (36-54)	33 (26-40)	24 (18-30)	17 (13-24)	13 (9.1-19)	10 (6.5-16)	8.1 (4.8-13)	6.7 (3.7-11)	6.0 (3.1-11)	5.5 (2.7-9.9)	5.1 (2.5-9.3)
4	56 (46-64)	43 (34-50)	32 (24-38)	24 (18-30)	18 (13-25)	14 (10-20)	11 (7.7-17)	9.3 (5.9-15)	8.4 (5.0-14)	7.6 (4.3-13)	7.1 (3.9-12)
5	67 (61-72)	54 (48-60)	42 (36-47)	32 (27-37)	25 (20-30)	19 (16-25)	16 (12-20)	13 (10-17)	11 (8.6-16)	10 (7.5-15)	9.7 (6.8-14)
6	75	65	53	42	33	26	21	17	15	14	13

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

**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	21	15	11	7.9	6.0	4.7	3.8	3.1	2.8	2.5	2.3
1	29 (27-32)	21 (19-23)	15 (14-17)	12 (9.8-13)	8.8 (7.1-10)	6.9 (5.3-8.3)	5.5 (4.1-7.0)	4.6 (3.3-6.0)	4.1 (2.8-5.5)	3.7 (2.5-5.1)	3.4 (2.2-4.7)
2	39 (32-46)	29 (24-35)	22 (18-27)	16 (13-20)	13 (9.5-17)	9.8 (7.0-14)	7.9 (5.3-12)	6.6 (4.1-10)	5.8 (3.5-9.2)	5.3 (3.0-8.5)	4.8 (2.7-7.9)
3	49 (41-57)	39 (31-45)	30 (24-37)	23 (18-30)	18 (13-25)	14 (9.3-21)	11 (7.0-18)	9.3 (5.5-15)	8.2 (4.6-14)	7.4 (3.9-13)	6.8 (3.5-12)
4	60 (52-67)	49 (40-55)	39 (31-45)	30 (23-38)	24 (18-31)	19 (14-26)	15 (11-22)	13 (8.7-19)	11 (7.2-18)	10 (6.2-17)	9.4 (5.4-15)
5	69 (65-73)	59 (54-64)	49 (44-54)	39 (34-45)	32 (27-38)	25 (21-31)	21 (17-27)	17 (14-23)	15 (12-21)	14 (10-19)	13 (9.1-18)
6	76	69	59	49	40	33	27	23	20	18	17

**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	22	16	12	9.4	7.3	5.8	4.7	3.9	3.5	3.1	2.8
1	31 (28-37)	24 (21-28)	18 (15-22)	14 (11-17)	11 (8.5-13)	8.3 (6.5-9.9)	6.6 (5.0-7.8)	5.5 (4.1-6.5)	4.8 (3.5-5.7)	4.3 (3.0-5.0)	3.8 (2.7-4.5)
2	43 (36-52)	33 (27-41)	26 (20-33)	20 (15-25)	15 (11-20)	12 (8.6-15)	9.3 (6.6-12)	7.8 (5.3-10)	6.7 (4.4-9.1)	5.9 (3.8-8.0)	5.2 (3.3-7.2)
3	56 (46-65)	45 (36-55)	36 (27-45)	28 (20-37)	21 (15-29)	17 (11-24)	13 (8.8-19)	11 (7.0-16)	9.2 (5.8-14)	8.1 (5.0-12)	7.1 (4.3-11)
4	67 (60-74)	58 (49-65)	47 (39-55)	38 (30-46)	30 (23-37)	23 (18-30)	18 (14-24)	15 (11-21)	13 (9.1-18)	11 (7.7-16)	9.6 (6.7-14)
5	77 (71-80)	69 (62-74)	60 (52-65)	50 (42-55)	40 (34-46)	32 (26-37)	25 (21-30)	21 (17-25)	17 (14-22)	15 (12-19)	13 (11-17)
6	82	78	71	62	52	43	34	28	23	20	17

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

**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	20	16	12	9.5	7.5	6.0	4.8	4.1	3.6	3.2	2.8	
1	30 (24-48)	24 (19-39)	19 (14-30)	15 (11-23)	11 (8.6-18)	9.0 (6.7-13)	7.1 (5.2-10)	6.0 (4.4-8.0)	5.1 (3.7-6.5)	4.4 (3.2-5.3)	3.8 (2.8-4.4)	
2	43 (32-61)	35 (25-52)	28 (19-43)	22 (15-34)	17 (11-27)	13 (8.9-21)	11 (6.9-16)	8.7 (5.7-13)	7.2 (4.7-10)	6.1 (4.0-8.4)	5.3 (3.4-7.0)	
3	56 (41-71)	48 (33-63)	40 (26-53)	32 (20-44)	25 (15-36)	20 (12-28)	16 (9.2-22)	13 (7.6-18)	10 (6.3-15)	8.7 (5.3-12)	7.3 (4.5-10)	
4	68 (52-78)	61 (43-72)	53 (35-64)	44 (28-55)	36 (22-46)	29 (17-37)	23 (14-29)	18 (11-24)	15 (9.5-20)	12 (8.1-16)	10 (6.9-14)	
5	78 (63-83)	72 (55-78)	66 (46-72)	58 (38-64)	49 (31-55)	40 (25-46)	32 (20-37)	26 (17-31)	22 (14-26)	18 (12-21)	14 (10-18)	
6	84	81	76	70	62	54	45	37	30	25	20	

**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	16	13	10	8.1	6.6	5.3	4.3	3.7	3.2	2.8	2.5	
1	24 (18-39)	19 (15-32)	16 (12-26)	12 (9.2-21)	10 (7.3-16)	8.0 (5.8-13)	6.4 (4.7-9.9)	5.5 (3.9-8.1)	4.6 (3.3-6.6)	4.0 (2.8-5.4)	3.5 (2.4-4.5)	
2	34 (24-50)	28 (19-43)	23 (16-36)	19 (12-29)	15 (9.8-23)	12 (7.8-19)	9.6 (6.3-15)	8.0 (5.2-12)	6.7 (4.4-10)	5.7 (3.7-8.3)	4.9 (3.1-6.9)	
3	45 (31-60)	39 (25-53)	33 (21-45)	27 (17-38)	22 (13-31)	18 (11-25)	14 (8.4-20)	12 (7.0-17)	9.8 (5.9-14)	8.2 (4.9-12)	6.9 (4.2-9.7)	
4	57 (39-68)	50 (33-61)	44 (27-54)	37 (22-47)	31 (18-40)	25 (14-33)	20 (12-27)	17 (9.8-22)	14 (8.3-18)	12 (7.0-15)	9.8 (6.1-13)	
5	67 (49-73)	62 (42-68)	55 (36-62)	48 (30-55)	41 (25-48)	35 (20-40)	29 (17-34)	24 (14-29)	20 (12-24)	17 (10-20)	14 (8.8-17)	
6	76	72	66	60	53	46	39	33	28	23	20	

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

**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	11	9.2	7.6	6.2	5.1	4.2	3.6	3.1	2.7	2.4	2.1
1	17 (12-29)	14 (10-24)	12 (8.3-20)	9.5 (6.7-16)	7.8 (5.5-13)	6.4 (4.5-10)	5.3 (3.7-8.6)	4.6 (3.2-7.2)	4.0 (2.7-6.0)	3.4 (2.4-5.1)	3.0 (2.1-4.3)
2	25 (16-38)	21 (14-32)	17 (11-27)	14 (9.1-22)	12 (7.4-18)	9.5 (6.0-15)	8.0 (5.0-12)	6.8 (4.3-11)	5.8 (3.7-8.9)	5.0 (3.1-7.5)	4.3 (2.7-6.3)
3	34 (22-47)	29 (18-41)	25 (15-35)	21 (12-30)	17 (10-25)	14 (8.3-21)	12 (6.9-17)	10 (5.8-15)	8.5 (5.0-12)	7.2 (4.2-10)	6.2 (3.6-8.7)
4	45 (28-56)	39 (24-50)	34 (20-44)	29 (17-38)	24 (14-32)	20 (11-27)	17 (9.4-23)	15 (8.1-19)	12 (6.9-16)	10 (6.0-14)	8.9 (5.2-12)
5	56 (37-63)	51 (31-57)	45 (27-51)	39 (22-45)	34 (19-39)	29 (16-34)	24 (13-29)	21 (11-25)	18 (9.7-21)	15 (8.4-18)	13 (7.2-16)
6	66	62	57	51	45	39	34	29	25	21	18

**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	7.3	6.2	5.3	4.5	3.8	3.2	2.8	2.5	2.2	2.0	1.8
1	11 (7.5-18)	9.2 (6.3-15)	7.8 (5.3-13)	6.5 (4.5-11)	5.5 (3.8-8.9)	4.7 (3.1-7.4)	4.1 (2.7-6.4)	3.6 (2.4-5.5)	3.2 (2.1-4.8)	2.8 (1.9-4.2)	2.5 (1.7-3.6)
2	16 (10-24)	13 (8.5-20)	11 (7.2-17)	9.6 (6.0-15)	8.1 (5.1-12)	6.8 (4.3-10)	5.9 (3.7-9.0)	5.2 (3.2-7.9)	4.6 (2.8-6.8)	4.0 (2.5-5.9)	3.5 (2.2-5.2)
3	22 (14-32)	19 (12-27)	16 (9.7-24)	14 (8.2-20)	12 (6.9-17)	9.9 (5.8-14)	8.6 (5.0-13)	7.5 (4.4-11)	6.6 (3.8-9.4)	5.8 (3.4-8.2)	5.0 (2.9-7.1)
4	30 (18-39)	27 (15-35)	23 (13-30)	20 (11-26)	17 (9.4-23)	14 (8.0-19)	12 (6.9-17)	11 (6.1-15)	9.5 (5.3-13)	8.3 (4.7-11)	7.2 (4.1-9.7)
5	40 (24-47)	36 (21-42)	32 (18-37)	28 (15-33)	24 (13-28)	20 (11-25)	18 (9.5-22)	16 (8.4-19)	14 (7.4-17)	12 (6.5-15)	10 (5.8-13)
6	51	46	42	37	33	28	25	22	19	17	15