

India - The probabilities of a hip fracture in men

The following tables give the 10-year probability (%) of a hip 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 India. 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/m².

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	7.6	4.1	2.2	1.2	0.6	0.3	0.2	0.1	0.1	0.0	0.0	
1	12 (8.0-16)	6.4 (4.3-8.5)	3.4 (2.3-4.6)	1.8 (1.2-2.4)	1.0 (0.6-1.3)	0.5 (0.3-0.7)	0.3 (0.2-0.4)	0.1 (0.1-0.2)	0.1 (0.1-0.1)	0.0 (0.0-0.1)	0.0 (0.0-0.0)	
2	18 (11-26)	9.9 (6.1-15)	5.4 (3.2-8.1)	2.9 (1.7-4.3)	1.5 (0.9-2.3)	0.8 (0.5-1.2)	0.4 (0.3-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	0.0 (0.0-0.1)	
3	26 (16-37)	15 (9.1-22)	8.2 (4.9-13)	4.5 (2.6-6.9)	2.4 (1.4-3.7)	1.3 (0.7-2.0)	0.7 (0.4-1.1)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	
4	36 (25-49)	22 (14-31)	12 (7.9-18)	6.8 (4.3-10)	3.7 (2.3-5.6)	1.9 (1.2-3.0)	1.0 (0.6-1.6)	0.5 (0.3-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.1)	
5	48 (38-59)	31 (23-41)	18 (13-25)	10 (7.4-14)	5.5 (4.0-7.9)	3.0 (2.1-4.3)	1.6 (1.1-2.3)	0.8 (0.6-1.2)	0.4 (0.3-0.7)	0.2 (0.2-0.4)	0.1 (0.1-0.2)	
6	61	42	26	15	8.3	4.5	2.4	1.3	0.7	0.4	0.2	

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

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	9.3	5.2	2.9	1.6	0.9	0.5	0.3	0.1	0.1	0.1	0.0
1	14 (9.8-17)	8.0 (5.5-10)	4.5 (3.1-5.7)	2.5 (1.7-3.1)	1.4 (0.9-1.7)	0.8 (0.5-1.0)	0.4 (0.3-0.5)	0.2 (0.2-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.1)	0.0 (0.0-0.1)
2	20 (14-28)	12 (7.7-17)	6.8 (4.3-9.6)	3.8 (2.4-5.4)	2.1 (1.3-3.0)	1.2 (0.7-1.7)	0.6 (0.4-0.9)	0.4 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
3	28 (20-38)	17 (11-24)	10 (6.5-15)	5.7 (3.6-8.4)	3.2 (2.0-4.7)	1.8 (1.1-2.7)	1.0 (0.6-1.5)	0.5 (0.3-0.8)	0.3 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
4	38 (29-49)	25 (18-34)	15 (10-21)	8.5 (5.8-12)	4.8 (3.2-7.1)	2.7 (1.8-4.0)	1.5 (1.0-2.2)	0.8 (0.5-1.2)	0.5 (0.3-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.2)
5	49 (42-59)	34 (27-43)	21 (17-28)	12 (9.6-17)	7.1 (5.5-9.9)	4.0 (3.1-5.6)	2.2 (1.7-3.2)	1.2 (0.9-1.8)	0.7 (0.5-1.0)	0.4 (0.3-0.6)	0.2 (0.2-0.3)
6	60	44	29	18	10	5.9	3.3	1.8	1.0	0.6	0.3

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	11	6.5	3.9	2.3	1.3	0.8	0.5	0.3	0.2	0.1	0.1
1	15 (11-18)	9.5 (6.8-11)	5.7 (4.0-6.9)	3.4 (2.4-4.1)	2.0 (1.4-2.4)	1.2 (0.8-1.4)	0.7 (0.5-0.8)	0.4 (0.3-0.5)	0.2 (0.2-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.1)
2	22 (15-28)	14 (9.5-18)	8.4 (5.7-11)	5.0 (3.4-6.8)	3.0 (2.0-4.1)	1.8 (1.2-2.4)	1.0 (0.7-1.4)	0.6 (0.4-0.8)	0.4 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
3	29 (22-38)	19 (14-26)	12 (8.5-16)	7.4 (5.1-10)	4.4 (3.0-6.1)	2.6 (1.8-3.6)	1.5 (1.0-2.2)	0.9 (0.6-1.3)	0.6 (0.4-0.8)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
4	38 (31-47)	26 (20-34)	17 (13-23)	11 (7.7-15)	6.4 (4.6-9.0)	3.9 (2.8-5.5)	2.3 (1.6-3.3)	1.3 (1.0-1.9)	0.8 (0.6-1.2)	0.5 (0.4-0.7)	0.3 (0.2-0.4)
5	47 (41-55)	34 (29-42)	23 (19-30)	15 (12-20)	9.2 (7.5-12)	5.6 (4.5-7.6)	3.3 (2.7-4.6)	2.0 (1.6-2.7)	1.2 (1.0-1.7)	0.7 (0.6-1.0)	0.4 (0.4-0.6)
6	56	43	31	20	13	8.0	4.8	2.9	1.8	1.1	0.7

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

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	11	7.3	4.6	2.9	1.8	1.1	0.7	0.4	0.3	0.2	0.1
1	16 (12-18)	10 (7.6-12)	6.7 (4.8-7.6)	4.2 (3.0-4.8)	2.6 (1.9-3.0)	1.7 (1.2-1.9)	1.0 (0.7-1.2)	0.6 (0.5-0.7)	0.4 (0.3-0.5)	0.3 (0.2-0.3)	0.2 (0.1-0.2)
2	22 (16-26)	14 (11-18)	9.5 (6.8-12)	6.1 (4.3-7.7)	3.8 (2.7-4.9)	2.4 (1.7-3.1)	1.5 (1.0-2.0)	1.0 (0.7-1.2)	0.6 (0.4-0.8)	0.4 (0.3-0.5)	0.3 (0.2-0.3)
3	28 (22-36)	20 (15-25)	13 (9.8-17)	8.6 (6.3-11)	5.5 (4.0-7.4)	3.5 (2.5-4.7)	2.2 (1.6-3.0)	1.4 (1.0-1.9)	0.9 (0.6-1.2)	0.6 (0.4-0.8)	0.4 (0.3-0.5)
4	36 (30-44)	26 (21-33)	18 (14-23)	12 (9.4-16)	7.8 (6.0-10)	5.0 (3.8-6.7)	3.2 (2.4-4.3)	2.0 (1.5-2.8)	1.3 (1.0-1.8)	0.8 (0.6-1.2)	0.5 (0.4-0.8)
5	44 (40-51)	34 (30-40)	24 (21-30)	16 (14-21)	11 (9.3-14)	7.0 (6.0-9.3)	4.5 (3.8-6.0)	2.9 (2.5-3.9)	1.9 (1.6-2.5)	1.2 (1.0-1.7)	0.8 (0.7-1.1)
6	52	42	31	22	15	9.8	6.3	4.1	2.7	1.7	1.1

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	10	6.8	4.6	3.0	2.0	1.3	0.9	0.6	0.4	0.3	0.2
1	15 (14-20)	11 (9.4-14)	7.2 (6.4-9.4)	4.8 (4.3-6.4)	3.2 (2.9-4.3)	2.1 (1.9-2.8)	1.4 (1.3-1.9)	1.0 (0.8-1.3)	0.7 (0.6-0.9)	0.4 (0.4-0.6)	0.3 (0.3-0.4)
2	22 (18-28)	16 (13-20)	11 (8.9-14)	7.6 (6.1-9.8)	5.1 (4.1-6.7)	3.4 (2.7-4.5)	2.3 (1.8-3.0)	1.5 (1.2-2.0)	1.1 (0.8-1.4)	0.7 (0.6-1.0)	0.5 (0.4-0.7)
3	31 (25-38)	23 (18-28)	17 (13-21)	12 (9.1-15)	7.9 (6.2-10)	5.4 (4.1-6.8)	3.6 (2.8-4.6)	2.4 (1.9-3.1)	1.7 (1.3-2.2)	1.1 (0.9-1.5)	0.8 (0.6-1.0)
4	42 (34-48)	32 (26-38)	24 (19-29)	17 (13-21)	12 (9.2-15)	8.3 (6.3-10)	5.6 (4.2-6.9)	3.9 (2.9-4.7)	2.7 (2.0-3.3)	1.8 (1.4-2.2)	1.3 (0.9-1.5)
5	52 (44-57)	43 (35-47)	33 (26-37)	25 (19-27)	18 (14-20)	13 (9.5-14)	8.7 (6.5-9.6)	6.0 (4.5-6.6)	4.2 (3.1-4.6)	2.9 (2.1-3.2)	2.0 (1.5-2.2)
6	62	53	44	34	26	19	13	9.2	6.5	4.5	3.1

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

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	8.2	5.8	4.2	2.9	2.1	1.4	1.0	0.7	0.5	0.4	0.3
1	14 (11-28)	11 (7.8-22)	7.6 (5.6-16)	5.5 (4.0-12)	3.9 (2.8-8.5)	2.8 (2.0-6.1)	1.9 (1.4-4.3)	1.4 (1.0-3.1)	1.0 (0.7-2.3)	0.7 (0.5-1.6)	0.5 (0.4-1.2)
2	23 (15-38)	17 (11-30)	13 (7.8-23)	9.5 (5.6-17)	6.9 (4.0-13)	4.9 (2.8-9.1)	3.5 (2.0-6.5)	2.5 (1.4-4.8)	1.8 (1.1-3.5)	1.3 (0.8-2.6)	1.0 (0.6-1.9)
3	33 (20-47)	26 (15-39)	20 (11-31)	15 (7.8-24)	11 (5.6-18)	8.3 (4.0-13)	6.0 (2.8-9.7)	4.4 (2.1-7.2)	3.2 (1.5-5.3)	2.3 (1.1-3.9)	1.7 (0.8-2.8)
4	44 (26-55)	37 (20-47)	30 (15-39)	23 (11-31)	18 (8.1-24)	13 (5.9-18)	9.7 (4.2-13)	7.2 (3.1-10.0)	5.3 (2.3-7.4)	3.9 (1.6-5.4)	2.9 (1.2-4.0)
5	56 (35-63)	49 (28-55)	41 (21-47)	33 (16-39)	26 (12-31)	20 (8.7-24)	15 (6.3-18)	12 (4.6-14)	8.6 (3.4-10)	6.4 (2.5-7.6)	4.7 (1.8-5.6)
6	67	60	53	45	37	29	23	18	13	10	7.5

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	6.7	5.0	3.7	2.8	2.1	1.5	1.1	0.9	0.7	0.5	0.4
1	12 (8.6-24)	8.9 (6.5-19)	6.8 (4.9-15)	5.1 (3.7-11)	3.8 (2.7-8.5)	2.9 (2.0-6.4)	2.1 (1.5-4.8)	1.6 (1.1-3.7)	1.3 (0.9-2.8)	1.0 (0.7-2.2)	0.7 (0.5-1.6)
2	18 (11-32)	15 (8.4-26)	11 (6.4-21)	8.7 (4.8-16)	6.6 (3.6-13)	5.0 (2.7-9.5)	3.8 (2.0-7.2)	2.9 (1.6-5.6)	2.2 (1.2-4.3)	1.7 (0.9-3.3)	1.3 (0.7-2.5)
3	27 (15-40)	22 (12-34)	18 (8.8-28)	14 (6.7-22)	11 (5.1-17)	8.2 (3.8-14)	6.3 (2.9-10)	4.9 (2.2-8.2)	3.8 (1.7-6.4)	2.9 (1.3-4.9)	2.2 (1.0-3.8)
4	37 (20-49)	31 (16-42)	26 (12-35)	21 (9.4-29)	16 (7.2-23)	13 (5.4-18)	10.0 (4.1-14)	7.8 (3.2-11)	6.1 (2.5-8.8)	4.7 (1.9-6.9)	3.7 (1.5-5.3)
5	48 (27-55)	42 (22-48)	36 (17-41)	30 (14-35)	24 (11-28)	19 (8.1-23)	15 (6.2-18)	12 (4.8-14)	9.5 (3.7-11)	7.5 (2.9-8.9)	5.8 (2.2-7.0)
6	59	53	47	40	33	27	22	18	14	11	9.0

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

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	5.1	4.0	3.1	2.4	1.9	1.5	1.2	0.9	0.7	0.6	0.5
1	9.1 (6.6-19)	7.2 (5.2-16)	5.7 (4.1-12)	4.5 (3.2-9.9)	3.5 (2.5-7.9)	2.8 (1.9-6.2)	2.2 (1.5-4.9)	1.8 (1.2-4.0)	1.4 (1.0-3.2)	1.1 (0.8-2.5)	0.9 (0.6-2.0)
2	15 (8.6-27)	12 (6.8-22)	9.6 (5.4-18)	7.7 (4.2-14)	6.1 (3.3-12)	4.8 (2.6-9.2)	3.8 (2.1-7.3)	3.1 (1.7-5.9)	2.5 (1.3-4.8)	2.0 (1.1-3.8)	1.6 (0.9-3.1)
3	22 (12-34)	19 (9.4-29)	15 (7.5-24)	12 (5.9-20)	9.9 (4.7-16)	7.9 (3.6-13)	6.4 (2.9-11)	5.2 (2.3-8.7)	4.2 (1.9-7.1)	3.4 (1.5-5.7)	2.7 (1.2-4.6)
4	32 (16-42)	27 (13-37)	23 (11-31)	19 (8.4-26)	15 (6.7-22)	12 (5.3-18)	10 (4.2-14)	8.3 (3.4-12)	6.8 (2.7-9.8)	5.5 (2.2-8.0)	4.5 (1.8-6.5)
5	43 (23-49)	37 (19-43)	32 (15-37)	27 (12-32)	23 (9.8-27)	19 (7.8-22)	15 (6.3-18)	13 (5.1-15)	11 (4.1-13)	8.7 (3.3-10)	7.1 (2.7-8.5)
6	54	49	43	37	32	27	23	19	16	13	11

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	3.2	2.6	2.1	1.7	1.4	1.1	0.9	0.8	0.7	0.6	0.5
1	5.8 (4.1-13)	4.8 (3.4-10)	3.9 (2.8-8.7)	3.2 (2.3-7.1)	2.6 (1.8-5.9)	2.1 (1.5-4.8)	1.8 (1.2-4.0)	1.5 (1.0-3.4)	1.3 (0.9-2.8)	1.1 (0.7-2.4)	0.9 (0.6-2.0)
2	9.7 (5.4-18)	8.1 (4.5-15)	6.7 (3.7-13)	5.5 (3.0-11)	4.6 (2.4-8.7)	3.7 (2.0-7.2)	3.1 (1.7-6.0)	2.6 (1.4-5.1)	2.2 (1.2-4.3)	1.9 (1.0-3.6)	1.6 (0.8-3.0)
3	15 (7.6-24)	13 (6.2-21)	11 (5.1-18)	9.1 (4.2-15)	7.5 (3.5-12)	6.2 (2.8-10)	5.2 (2.4-8.8)	4.4 (2.0-7.5)	3.7 (1.7-6.3)	3.2 (1.4-5.3)	2.7 (1.2-4.5)
4	23 (11-31)	20 (8.9-27)	17 (7.4-23)	14 (6.1-20)	12 (5.0-17)	9.9 (4.1-14)	8.4 (3.5-12)	7.2 (2.9-10)	6.1 (2.5-8.8)	5.2 (2.1-7.5)	4.4 (1.7-6.3)
5	32 (15-38)	28 (13-33)	25 (11-29)	21 (9.0-25)	18 (7.4-21)	15 (6.1-18)	13 (5.2-15)	11 (4.4-13)	9.5 (3.7-11)	8.1 (3.1-9.7)	6.9 (2.6-8.3)
6	43	39	34	30	26	22	19	17	14	12	11