

India - 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 India. 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 ²)						
	15	20	25	30	35	40	45
0	0.2	0.1	0.1	0.1	0.0	0.0	0.0
1	0.4 (0.2-0.7)	0.2 (0.1-0.4)	0.1 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	0.0 (0.0-0.1)
2	0.7 (0.3-1.4)	0.4 (0.2-0.9)	0.2 (0.1-0.5)	0.2 (0.1-0.4)	0.1 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.2)
3	1.3 (0.5-2.5)	0.8 (0.3-1.5)	0.5 (0.2-0.9)	0.4 (0.1-0.7)	0.3 (0.1-0.5)	0.2 (0.1-0.4)	0.2 (0.1-0.3)
4	2.2 (0.9-3.7)	1.4 (0.6-2.3)	0.8 (0.3-1.4)	0.6 (0.3-1.1)	0.5 (0.2-0.8)	0.4 (0.2-0.6)	0.3 (0.1-0.5)
5	3.9 (1.7-5.0)	2.5 (1.1-3.2)	1.5 (0.7-2.0)	1.1 (0.5-1.5)	0.9 (0.4-1.2)	0.7 (0.3-0.9)	0.5 (0.2-0.7)
6	6.5	4.2	2.6	2.0	1.5	1.2	0.9

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

Age = 55 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	0.4	0.2	0.1	0.1	0.1	0.1	0.1
1	0.7 (0.5-1.3)	0.4 (0.3-0.8)	0.3 (0.2-0.5)	0.2 (0.1-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.2)
2	1.3 (0.7-2.4)	0.8 (0.4-1.5)	0.5 (0.3-0.9)	0.4 (0.2-0.7)	0.3 (0.2-0.6)	0.2 (0.1-0.4)	0.2 (0.1-0.3)
3	2.2 (1.0-4.1)	1.5 (0.7-2.7)	0.9 (0.4-1.7)	0.7 (0.3-1.3)	0.5 (0.2-1.0)	0.4 (0.2-0.8)	0.3 (0.1-0.6)
4	3.8 (1.8-6.2)	2.5 (1.2-4.1)	1.6 (0.7-2.5)	1.2 (0.5-2.0)	0.9 (0.4-1.5)	0.7 (0.3-1.2)	0.5 (0.3-0.9)
5	6.3 (3.2-8.0)	4.3 (2.2-5.5)	2.7 (1.4-3.5)	2.1 (1.1-2.7)	1.6 (0.8-2.1)	1.2 (0.6-1.6)	0.9 (0.5-1.2)
6	10	7.1	4.6	3.5	2.7	2.1	1.6

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	0.8	0.5	0.3	0.3	0.2	0.2	0.1
1	1.4 (1.0-2.3)	0.9 (0.7-1.5)	0.6 (0.4-1.0)	0.5 (0.3-0.7)	0.3 (0.3-0.6)	0.3 (0.2-0.4)	0.2 (0.2-0.3)
2	2.4 (1.4-4.1)	1.6 (0.9-2.8)	1.0 (0.6-1.8)	0.8 (0.5-1.4)	0.6 (0.4-1.1)	0.5 (0.3-0.8)	0.4 (0.2-0.6)
3	3.9 (2.1-6.7)	2.8 (1.4-4.8)	1.8 (0.9-3.2)	1.4 (0.7-2.4)	1.1 (0.5-1.9)	0.8 (0.4-1.4)	0.6 (0.3-1.1)
4	6.3 (3.3-9.9)	4.6 (2.5-7.2)	3.1 (1.6-4.8)	2.4 (1.2-3.7)	1.8 (1.0-2.8)	1.4 (0.7-2.2)	1.1 (0.6-1.7)
5	9.9 (5.7-13)	7.5 (4.3-9.4)	5.1 (3.0-6.4)	3.9 (2.3-4.9)	3.0 (1.7-3.8)	2.3 (1.3-2.9)	1.8 (1.0-2.2)
6	15	12	8.3	6.4	4.9	3.8	2.9

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

Age = 65 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	1.5	1.0	0.7	0.5	0.4	0.3	0.2
1	2.5 (1.9-3.7)	1.8 (1.4-2.6)	1.1 (0.9-1.7)	0.9 (0.7-1.3)	0.7 (0.5-1.0)	0.5 (0.4-0.7)	0.4 (0.3-0.6)
2	4.0 (2.4-6.4)	2.9 (1.8-4.5)	1.9 (1.2-3.1)	1.5 (0.9-2.3)	1.1 (0.7-1.8)	0.9 (0.5-1.4)	0.7 (0.4-1.0)
3	6.3 (3.7-9.9)	4.7 (2.7-7.6)	3.2 (1.8-5.3)	2.5 (1.4-4.1)	1.9 (1.1-3.1)	1.4 (0.8-2.4)	1.1 (0.6-1.8)
4	9.6 (5.6-14)	7.5 (4.4-11)	5.3 (3.2-8.0)	4.0 (2.5-6.1)	3.1 (1.9-4.7)	2.4 (1.4-3.6)	1.8 (1.1-2.7)
5	14 (9.4-18)	11 (7.6-14)	8.4 (5.6-10)	6.5 (4.3-8.0)	5.0 (3.3-6.1)	3.8 (2.5-4.7)	2.9 (1.9-3.6)
6	20	17	13	10	7.8	6.0	4.6

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	2.2	1.6	1.1	0.8	0.6	0.5	0.4
1	3.8 (2.7-4.7)	2.8 (2.1-3.4)	1.9 (1.5-2.3)	1.5 (1.1-1.8)	1.1 (0.8-1.4)	0.9 (0.6-1.0)	0.6 (0.5-0.8)
2	6.3 (4.1-9.6)	4.8 (3.1-7.1)	3.4 (2.2-4.9)	2.6 (1.7-3.7)	2.0 (1.3-2.9)	1.5 (1.0-2.2)	1.1 (0.7-1.7)
3	10 (6.1-16)	8.0 (4.9-12)	5.8 (3.7-8.4)	4.5 (2.8-6.5)	3.4 (2.1-5.0)	2.6 (1.6-3.8)	2.0 (1.2-2.9)
4	16 (10-23)	13 (8.4-19)	9.8 (6.5-14)	7.5 (4.9-11)	5.8 (3.7-8.5)	4.4 (2.8-6.5)	3.3 (2.1-5.0)
5	24 (20-31)	20 (16-26)	16 (13-20)	12 (10-16)	9.6 (7.7-13)	7.3 (5.9-9.7)	5.6 (4.5-7.5)
6	34	30	25	20	15	12	9.2

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

Age = 75 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	2.9	2.2	1.6	1.2	0.9	0.7	0.5
1	5.3 (3.4-9.5)	4.2 (2.7-7.5)	3.0 (2.0-5.4)	2.3 (1.5-4.1)	1.8 (1.2-3.2)	1.3 (0.9-2.4)	1.0 (0.7-1.8)
2	9.1 (5.0-16)	7.4 (4.1-13)	5.6 (3.1-9.6)	4.2 (2.3-7.4)	3.2 (1.8-5.7)	2.4 (1.3-4.3)	1.9 (1.0-3.3)
3	15 (7.4-25)	12 (6.2-21)	9.7 (4.9-16)	7.5 (3.7-12)	5.7 (2.8-9.7)	4.4 (2.1-7.4)	3.3 (1.6-5.7)
4	23 (12-34)	20 (10-29)	16 (8.4-24)	13 (6.4-19)	9.8 (4.9-15)	7.5 (3.7-12)	5.8 (2.8-9.1)
5	34 (20-43)	30 (17-38)	25 (14-33)	20 (11-27)	16 (8.6-22)	13 (6.5-17)	9.7 (5.0-13)
6	46	42	37	31	25	20	16

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	3.7	2.9	2.2	1.7	1.3	0.9	0.7
1	6.5 (4.3-12)	5.3 (3.5-9.7)	4.0 (2.7-7.4)	3.1 (2.1-5.6)	2.3 (1.6-4.3)	1.8 (1.2-3.3)	1.3 (0.9-2.5)
2	11 (6.1-19)	9.0 (5.2-16)	7.1 (4.1-12)	5.4 (3.1-9.6)	4.1 (2.4-7.4)	3.1 (1.8-5.7)	2.4 (1.3-4.3)
3	17 (9.1-27)	14 (7.7-23)	12 (6.3-19)	9.1 (4.8-15)	7.0 (3.6-11)	5.3 (2.7-8.7)	4.0 (2.0-6.7)
4	25 (13-35)	22 (11-31)	19 (9.5-27)	15 (7.3-21)	11 (5.5-17)	8.8 (4.2-13)	6.7 (3.1-10)
5	35 (21-44)	32 (18-40)	28 (16-36)	22 (12-29)	18 (9.4-24)	14 (7.2-19)	11 (5.4-15)
6	47	43	39	33	26	21	17

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

Age = 85 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	4.4	3.5	2.6	2.0	1.5	1.1	0.9
1	7.7 (5.1-14)	6.2 (4.2-11)	4.8 (3.2-8.7)	3.6 (2.4-6.7)	2.8 (1.8-5.1)	2.1 (1.4-3.9)	1.6 (1.0-2.9)
2	13 (7.5-22)	11 (6.2-19)	8.3 (4.9-15)	6.4 (3.7-11)	4.9 (2.8-8.7)	3.7 (2.1-6.7)	2.8 (1.6-5.1)
3	20 (11-31)	17 (9.2-26)	14 (7.4-22)	11 (5.7-17)	8.2 (4.3-13)	6.3 (3.2-10)	4.8 (2.4-7.8)
4	29 (16-40)	25 (14-35)	22 (11-30)	17 (8.6-24)	13 (6.6-19)	10 (5.0-15)	7.9 (3.7-12)
5	40 (25-48)	36 (22-45)	32 (18-40)	26 (14-33)	21 (11-27)	16 (8.5-22)	13 (6.4-17)
6	51	48	44	37	30	24	19

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	4.1	3.2	2.5	1.9	1.4	1.1	0.8
1	7.3 (4.8-13)	5.8 (3.9-11)	4.5 (3.0-8.2)	3.4 (2.3-6.3)	2.6 (1.7-4.8)	1.9 (1.3-3.6)	1.5 (1.0-2.7)
2	12 (7.1-21)	9.9 (5.8-17)	7.8 (4.5-14)	5.9 (3.4-11)	4.5 (2.6-8.2)	3.4 (2.0-6.2)	2.6 (1.5-4.7)
3	19 (10-29)	16 (8.6-25)	13 (6.9-20)	10.0 (5.3-16)	7.7 (4.0-12)	5.9 (3.0-9.6)	4.5 (2.3-7.3)
4	28 (15-39)	24 (13-34)	20 (10-29)	16 (8.0-23)	13 (6.1-18)	9.7 (4.6-14)	7.4 (3.5-11)
5	39 (24-47)	35 (21-43)	30 (17-38)	24 (13-31)	19 (10-25)	15 (7.9-20)	12 (6.0-16)
6	49	46	42	35	29	23	18