

India - The probabilities of a hip fracture in women

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	0.4	0.2	0.1	0.1	0.1	0.1	0.0
1	0.7 (0.5-1.4)	0.4 (0.3-0.8)	0.2 (0.1-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.2)
2	1.4 (0.7-3.0)	0.8 (0.4-1.6)	0.4 (0.2-0.9)	0.3 (0.2-0.7)	0.3 (0.1-0.5)	0.2 (0.1-0.4)	0.2 (0.1-0.3)
3	2.6 (1.1-5.2)	1.5 (0.6-2.9)	0.8 (0.3-1.6)	0.6 (0.3-1.2)	0.5 (0.2-1.0)	0.4 (0.2-0.7)	0.3 (0.1-0.6)
4	4.8 (1.9-7.8)	2.7 (1.0-4.4)	1.5 (0.6-2.4)	1.1 (0.4-1.9)	0.9 (0.3-1.5)	0.7 (0.3-1.1)	0.5 (0.2-0.9)
5	8.5 (3.9-11)	4.8 (2.2-6.4)	2.7 (1.2-3.6)	2.1 (0.9-2.8)	1.6 (0.7-2.2)	1.2 (0.6-1.7)	1.0 (0.4-1.3)
6	14	8.4	4.7	3.7	2.8	2.2	1.7

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

Age = 55 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	0.8	0.4	0.2	0.2	0.1	0.1	0.1
1	1.5 (1.0-2.6)	0.8 (0.6-1.5)	0.5 (0.3-0.8)	0.4 (0.2-0.6)	0.3 (0.2-0.5)	0.2 (0.2-0.4)	0.2 (0.1-0.3)
2	2.8 (1.5-5.4)	1.6 (0.8-3.1)	0.9 (0.5-1.7)	0.7 (0.4-1.3)	0.5 (0.3-1.0)	0.4 (0.2-0.8)	0.3 (0.2-0.6)
3	5.0 (2.3-9.3)	2.9 (1.3-5.4)	1.6 (0.7-3.0)	1.2 (0.6-2.3)	1.0 (0.4-1.8)	0.7 (0.3-1.4)	0.6 (0.3-1.1)
4	8.8 (4.0-14)	5.1 (2.3-8.1)	2.9 (1.3-4.6)	2.2 (1.0-3.6)	1.7 (0.8-2.8)	1.3 (0.6-2.1)	1.0 (0.5-1.7)
5	15 (8.0-19)	8.8 (4.7-12)	5.0 (2.6-6.7)	3.9 (2.0-5.2)	3.1 (1.6-4.1)	2.4 (1.2-3.2)	1.8 (1.0-2.4)
6	24	15	8.7	6.8	5.3	4.1	3.2

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	1.8	1.1	0.6	0.5	0.4	0.3	0.2
1	3.3 (2.4-5.2)	1.9 (1.4-3.0)	1.1 (0.8-1.7)	0.8 (0.6-1.3)	0.6 (0.5-1.0)	0.5 (0.4-0.8)	0.4 (0.3-0.6)
2	5.8 (3.4-10)	3.4 (2.0-6.1)	2.0 (1.1-3.5)	1.5 (0.9-2.7)	1.2 (0.7-2.1)	0.9 (0.5-1.6)	0.7 (0.4-1.3)
3	9.9 (5.1-17)	6.0 (3.0-10)	3.5 (1.7-6.1)	2.7 (1.3-4.8)	2.1 (1.0-3.7)	1.6 (0.8-2.9)	1.2 (0.6-2.2)
4	16 (8.9-24)	10 (5.3-15)	6.0 (3.0-9.2)	4.7 (2.4-7.2)	3.6 (1.8-5.6)	2.8 (1.4-4.4)	2.2 (1.1-3.4)
5	26 (16-32)	17 (10-21)	10 (6.2-13)	8.0 (4.8-10)	6.2 (3.7-8.0)	4.8 (2.9-6.3)	3.7 (2.2-4.9)
6	39	27	17	13	10	8.1	6.3

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

Age = 65 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	3.6	2.1	1.2	1.0	0.7	0.6	0.4
1	6.1 (4.7-8.6)	3.7 (2.8-5.2)	2.2 (1.6-3.0)	1.7 (1.3-2.4)	1.3 (1.0-1.8)	1.0 (0.7-1.4)	0.8 (0.6-1.1)
2	10 (6.4-16)	6.3 (4.0-10)	3.7 (2.3-6.1)	2.9 (1.8-4.7)	2.2 (1.4-3.7)	1.7 (1.1-2.8)	1.3 (0.8-2.2)
3	16 (9.6-25)	10 (6.0-17)	6.4 (3.6-11)	4.9 (2.8-8.2)	3.8 (2.1-6.4)	3.0 (1.6-5.0)	2.3 (1.3-3.8)
4	25 (16-35)	17 (10-24)	11 (6.2-16)	8.3 (4.8-12)	6.4 (3.7-9.6)	5.0 (2.9-7.5)	3.9 (2.2-5.8)
5	36 (27-42)	26 (19-32)	17 (12-21)	14 (9.4-17)	11 (7.3-13)	8.3 (5.7-10)	6.4 (4.4-8.1)
6	50	39	27	21	17	13	10

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	5.4	3.4	2.1	1.6	1.2	0.9	0.7
1	9.4 (7.2-11)	6.1 (4.7-7.2)	3.7 (2.9-4.4)	2.9 (2.3-3.4)	2.2 (1.7-2.6)	1.7 (1.3-2.0)	1.3 (1.0-1.6)
2	16 (11-22)	11 (7.1-15)	6.7 (4.4-9.1)	5.2 (3.4-7.1)	4.0 (2.6-5.5)	3.1 (2.0-4.2)	2.4 (1.6-3.3)
3	25 (17-34)	18 (12-25)	12 (7.7-17)	9.1 (6.0-13)	7.1 (4.6-10)	5.5 (3.6-8.1)	4.2 (2.7-6.3)
4	38 (27-49)	29 (21-39)	20 (14-28)	16 (11-22)	12 (8.6-18)	9.5 (6.6-14)	7.4 (5.1-11)
5	51 (45-60)	43 (37-51)	32 (27-38)	25 (22-31)	20 (17-25)	16 (13-20)	13 (11-16)
6	64	58	47	39	32	26	21

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

Age = 75 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	7.1	4.9	3.1	2.4	1.8	1.4	1.1
1	13 (8.9-22)	9.1 (6.4-16)	6.0 (4.2-10)	4.6 (3.3-8.0)	3.6 (2.5-6.2)	2.7 (1.9-4.8)	2.1 (1.5-3.7)
2	22 (13-35)	16 (9.5-26)	11 (6.4-18)	8.6 (4.9-14)	6.7 (3.8-11)	5.2 (2.9-8.7)	4.0 (2.2-6.7)
3	33 (19-49)	27 (15-40)	19 (11-30)	15 (8.5-24)	12 (6.6-19)	9.4 (5.1-15)	7.3 (3.9-12)
4	46 (30-60)	40 (25-54)	32 (19-45)	26 (15-37)	21 (11-30)	16 (8.8-25)	13 (6.8-19)
5	59 (44-68)	55 (38-64)	47 (30-57)	40 (24-49)	33 (19-41)	27 (15-34)	21 (12-28)
6	71	68	63	56	48	40	33

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	8.6	6.3	4.3	3.3	2.5	1.9	1.5
1	15 (10-25)	11 (7.9-20)	7.9 (5.6-14)	6.1 (4.3-11)	4.7 (3.3-8.4)	3.6 (2.5-6.5)	2.7 (1.9-5.0)
2	23 (15-38)	19 (12-31)	14 (8.4-23)	11 (6.5-18)	8.4 (5.0-14)	6.5 (3.8-11)	5.0 (2.9-8.6)
3	34 (21-49)	29 (17-42)	23 (13-35)	18 (9.9-29)	14 (7.6-23)	11 (5.8-18)	8.6 (4.5-14)
4	46 (29-59)	41 (25-53)	35 (20-47)	28 (16-39)	23 (12-32)	18 (9.6-26)	14 (7.3-21)
5	58 (42-66)	54 (37-63)	49 (31-58)	41 (25-50)	35 (20-43)	28 (16-36)	23 (12-29)
6	68	66	62	55	48	41	34

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

Age = 85 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	9.1	6.8	4.8	3.7	2.8	2.1	1.6
1	15 (11-26)	12 (8.4-21)	8.8 (6.2-15)	6.8 (4.7-12)	5.2 (3.6-9.4)	4.0 (2.7-7.2)	3.0 (2.1-5.5)
2	24 (16-39)	20 (12-33)	15 (9.2-25)	12 (7.1-20)	9.2 (5.4-16)	7.1 (4.1-12)	5.4 (3.2-9.5)
3	35 (22-50)	30 (18-44)	24 (14-37)	19 (11-30)	15 (8.3-24)	12 (6.4-19)	9.3 (4.8-15)
4	47 (30-60)	42 (26-54)	36 (21-48)	30 (17-41)	24 (13-34)	19 (10-28)	15 (7.7-22)
5	59 (43-67)	55 (38-64)	50 (33-59)	43 (27-52)	36 (21-44)	29 (17-37)	24 (13-31)
6	68	66	63	56	49	42	35

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	7.5	5.8	4.2	3.2	2.4	1.8	1.4
1	13 (8.9-22)	10 (7.0-18)	7.7 (5.3-14)	5.9 (4.0-11)	4.5 (3.1-8.1)	3.4 (2.3-6.3)	2.6 (1.7-4.8)
2	21 (13-34)	17 (10-28)	13 (7.9-22)	10 (6.1-18)	7.9 (4.6-14)	6.0 (3.5-11)	4.6 (2.7-8.2)
3	31 (19-44)	26 (15-39)	21 (12-33)	17 (9.2-26)	13 (7.1-21)	10 (5.4-17)	7.9 (4.1-13)
4	42 (26-55)	38 (22-49)	32 (18-43)	26 (14-36)	21 (11-30)	17 (8.4-24)	13 (6.4-19)
5	54 (38-62)	50 (34-59)	45 (28-54)	38 (23-47)	31 (18-39)	25 (14-33)	20 (11-26)
6	63	62	58	51	44	37	30