

Sri Lanka - 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 Sri Lanka. 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	0.8 (0.5-1.5)	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	1.5 (0.7-3.1)	0.8 (0.4-1.7)	0.4 (0.2-0.9)	0.3 (0.2-0.7)	0.3 (0.1-0.6)	0.2 (0.1-0.4)	0.2 (0.1-0.3)
3	2.8 (1.1-5.5)	1.5 (0.6-3.0)	0.8 (0.3-1.6)	0.6 (0.3-1.3)	0.5 (0.2-1.0)	0.4 (0.2-0.8)	0.3 (0.1-0.6)
4	5.1 (2.0-8.3)	2.8 (1.1-4.6)	1.5 (0.6-2.5)	1.2 (0.5-1.9)	0.9 (0.4-1.5)	0.7 (0.3-1.2)	0.6 (0.2-0.9)
5	9.1 (4.2-12)	5.0 (2.3-6.8)	2.7 (1.2-3.7)	2.1 (1.0-2.9)	1.7 (0.8-2.3)	1.3 (0.6-1.8)	1.0 (0.5-1.4)
6	16	8.8	4.9	3.8	3.0	2.3	1.8

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

Age = 55 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	0.8	0.5	0.2	0.2	0.2	0.1	0.1
1	1.6 (1.1-2.8)	0.9 (0.6-1.5)	0.5 (0.3-0.8)	0.4 (0.3-0.7)	0.3 (0.2-0.5)	0.2 (0.2-0.4)	0.2 (0.1-0.3)
2	3.0 (1.6-5.9)	1.7 (0.9-3.3)	0.9 (0.5-1.8)	0.7 (0.4-1.4)	0.5 (0.3-1.1)	0.4 (0.2-0.8)	0.3 (0.2-0.7)
3	5.5 (2.5-10)	3.0 (1.4-5.7)	1.7 (0.7-3.1)	1.3 (0.6-2.4)	1.0 (0.4-1.9)	0.8 (0.4-1.5)	0.6 (0.3-1.1)
4	9.7 (4.4-15)	5.4 (2.4-8.6)	3.0 (1.3-4.8)	2.3 (1.0-3.7)	1.8 (0.8-2.9)	1.4 (0.6-2.2)	1.1 (0.5-1.7)
5	16 (8.9-21)	9.5 (5.0-13)	5.3 (2.8-7.0)	4.1 (2.2-5.5)	3.2 (1.7-4.3)	2.5 (1.3-3.3)	1.9 (1.0-2.6)
6	27	16	9.1	7.2	5.6	4.4	3.4

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	2.0	1.1	0.6	0.5	0.4	0.3	0.2
1	3.7 (2.6-5.7)	2.1 (1.5-3.2)	1.1 (0.8-1.8)	0.9 (0.6-1.4)	0.7 (0.5-1.1)	0.5 (0.4-0.8)	0.4 (0.3-0.6)
2	6.5 (3.8-11)	3.7 (2.2-6.6)	2.1 (1.2-3.7)	1.6 (0.9-2.9)	1.2 (0.7-2.3)	1.0 (0.6-1.8)	0.7 (0.4-1.4)
3	11 (5.8-19)	6.5 (3.3-11)	3.7 (1.8-6.5)	2.9 (1.4-5.1)	2.2 (1.1-4.0)	1.7 (0.9-3.1)	1.3 (0.7-2.4)
4	19 (10-28)	11 (5.8-17)	6.4 (3.2-9.8)	5.0 (2.5-7.7)	3.9 (1.9-6.0)	3.0 (1.5-4.7)	2.4 (1.2-3.6)
5	30 (19-37)	19 (12-24)	11 (6.7-14)	8.6 (5.2-11)	6.7 (4.0-8.7)	5.2 (3.1-6.8)	4.1 (2.4-5.3)
6	45	30	18	14	11	8.9	6.9

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

Age = 65 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	4.0	2.3	1.3	1.0	0.8	0.6	0.5
1	6.9 (5.3-9.7)	4.1 (3.0-5.7)	2.3 (1.7-3.2)	1.8 (1.3-2.5)	1.4 (1.0-1.9)	1.1 (0.8-1.5)	0.8 (0.6-1.2)
2	12 (7.4-18)	7.0 (4.4-11)	4.0 (2.5-6.6)	3.1 (1.9-5.1)	2.4 (1.5-4.0)	1.9 (1.2-3.1)	1.4 (0.9-2.4)
3	19 (11-30)	12 (6.6-19)	6.8 (3.8-11)	5.3 (3.0-8.9)	4.2 (2.3-6.9)	3.2 (1.8-5.4)	2.5 (1.4-4.2)
4	29 (19-41)	19 (11-27)	11 (6.6-17)	9.0 (5.2-13)	7.0 (4.0-10)	5.5 (3.1-8.1)	4.3 (2.4-6.3)
5	43 (32-50)	30 (21-36)	19 (13-23)	15 (10-19)	12 (8.1-15)	9.1 (6.3-12)	7.1 (4.9-9.1)
6	58	44	29	24	19	15	12

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	6.2	3.8	2.2	1.7	1.3	1.0	0.8
1	11 (8.4-13)	6.8 (5.3-7.9)	4.0 (3.2-4.6)	3.1 (2.4-3.6)	2.4 (1.9-2.8)	1.8 (1.5-2.2)	1.4 (1.1-1.7)
2	18 (12-25)	12 (8.0-16)	7.2 (4.8-9.6)	5.6 (3.7-7.5)	4.3 (2.9-5.9)	3.4 (2.2-4.6)	2.6 (1.7-3.5)
3	29 (21-40)	20 (14-28)	13 (8.3-18)	9.9 (6.5-15)	7.7 (5.0-11)	6.0 (3.9-8.9)	4.6 (3.0-6.9)
4	44 (33-56)	32 (24-43)	21 (16-30)	17 (12-24)	13 (9.6-19)	11 (7.5-15)	8.2 (5.8-12)
5	59 (53-67)	48 (42-56)	35 (30-41)	28 (24-34)	23 (19-27)	18 (15-22)	14 (12-17)
6	72	64	52	43	36	29	23

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

Age = 75 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	8.2	5.4	3.3	2.6	2.0	1.5	1.2
1	15 (10-25)	10 (7.2-17)	6.4 (4.6-11)	5.0 (3.6-8.6)	3.9 (2.7-6.7)	3.0 (2.1-5.2)	2.3 (1.6-4.0)
2	25 (15-39)	18 (11-29)	12 (6.9-20)	9.4 (5.4-16)	7.3 (4.1-12)	5.6 (3.2-9.6)	4.4 (2.5-7.5)
3	38 (23-54)	30 (18-44)	21 (12-33)	17 (9.3-26)	13 (7.2-21)	10 (5.6-17)	8.0 (4.3-13)
4	52 (35-66)	45 (28-59)	34 (20-48)	28 (16-41)	23 (13-33)	18 (9.9-27)	14 (7.6-22)
5	65 (50-74)	60 (43-70)	51 (34-61)	43 (27-53)	36 (22-45)	30 (17-37)	24 (13-30)
6	76	73	68	61	53	45	37

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	9.8	6.9	4.6	3.5	2.7	2.1	1.6
1	17 (12-28)	12 (8.9-22)	8.5 (6.1-15)	6.6 (4.7-12)	5.1 (3.6-9.0)	3.9 (2.8-7.0)	3.0 (2.1-5.4)
2	26 (17-42)	21 (13-34)	15 (9.1-25)	12 (7.1-20)	9.1 (5.4-16)	7.0 (4.2-12)	5.4 (3.2-9.4)
3	38 (24-53)	32 (19-47)	25 (14-38)	20 (11-31)	16 (8.3-25)	12 (6.4-20)	9.5 (4.9-16)
4	51 (33-63)	45 (28-58)	38 (22-50)	31 (18-42)	25 (14-35)	20 (11-29)	16 (8.3-23)
5	63 (47-71)	59 (42-67)	52 (35-62)	45 (28-54)	38 (23-46)	31 (18-39)	25 (14-32)
6	72	70	66	60	52	45	37

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

Age = 85 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	9.9	7.3	5.1	3.9	3.0	2.3	1.7
1	17 (12-28)	13 (9.1-22)	9.3 (6.6-16)	7.2 (5.0-13)	5.5 (3.9-9.9)	4.2 (2.9-7.6)	3.2 (2.2-5.9)
2	26 (17-42)	21 (13-35)	16 (9.8-26)	13 (7.6-21)	9.7 (5.8-17)	7.5 (4.4-13)	5.8 (3.4-10)
3	38 (24-53)	32 (20-46)	26 (15-39)	21 (11-32)	16 (8.8-26)	13 (6.8-21)	10 (5.2-16)
4	50 (33-62)	45 (28-57)	38 (23-51)	32 (18-43)	26 (14-36)	21 (11-29)	16 (8.4-24)
5	62 (46-69)	58 (41-67)	53 (35-62)	45 (29-55)	38 (23-47)	32 (18-39)	26 (14-33)
6	70	69	66	59	52	45	37

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	7.8	6.0	4.3	3.3	2.5	1.9	1.4
1	13 (9.3-23)	11 (7.3-19)	7.8 (5.4-14)	6.0 (4.1-11)	4.6 (3.1-8.3)	3.5 (2.4-6.4)	2.7 (1.8-4.9)
2	22 (14-35)	17 (11-29)	13 (8.1-23)	10 (6.2-18)	8.1 (4.7-14)	6.2 (3.6-11)	4.7 (2.7-8.4)
3	32 (20-46)	27 (16-40)	22 (12-33)	17 (9.5-27)	14 (7.3-22)	11 (5.5-17)	8.1 (4.2-13)
4	44 (27-56)	39 (23-51)	33 (19-44)	27 (15-37)	22 (11-30)	17 (8.7-25)	13 (6.7-19)
5	55 (40-63)	52 (35-60)	46 (29-55)	39 (24-48)	32 (19-40)	26 (15-33)	21 (11-27)
6	64	63	59	52	45	38	31