

**Sri Lanka - The probabilities of a major osteoporotic fracture in women**

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 Sri Lanka. 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	8.3	5.1	3.4	2.4	1.9	1.5	1.3	1.2	1.1	1.0	1.0	
1	13 (11-16)	8.0 (7.0-10)	5.3 (4.5-6.7)	3.7 (3.0-4.7)	2.9 (2.1-3.6)	2.3 (1.6-3.0)	1.9 (1.3-2.6)	1.7 (1.1-2.4)	1.6 (1.1-2.3)	1.6 (1.0-2.2)	1.5 (1.0-2.1)	
2	19 (15-28)	12 (9.6-17)	8.1 (6.1-11)	5.7 (4.0-8.1)	4.3 (2.7-6.6)	3.4 (2.0-5.6)	2.9 (1.6-4.8)	2.6 (1.4-4.4)	2.4 (1.3-4.2)	2.3 (1.2-4.1)	2.2 (1.1-3.9)	
3	29 (20-40)	18 (13-25)	12 (8.5-17)	8.5 (5.4-13)	6.4 (3.7-11)	5.1 (2.7-9.0)	4.2 (2.1-7.8)	3.8 (1.8-7.2)	3.6 (1.6-6.8)	3.4 (1.5-6.6)	3.2 (1.5-6.3)	
4	40 (28-52)	26 (17-34)	18 (11-22)	12 (8.0-17)	9.3 (6.0-14)	7.3 (4.5-12)	6.1 (3.5-10)	5.4 (3.0-9.2)	5.1 (2.7-8.8)	4.9 (2.5-8.4)	4.7 (2.4-8.1)	
5	54 (44-65)	37 (29-44)	25 (19-28)	18 (13-21)	13 (10-17)	10 (7.9-14)	8.6 (6.5-12)	7.7 (5.6-11)	7.2 (5.0-10)	6.9 (4.7-9.8)	6.6 (4.4-9.5)	
6	70	50	35	25	19	15	12	11	10	9.5	9.1	

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

**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	11	7.4	5.2	3.8	2.9	2.4	2.0	1.8	1.7	1.6	1.5
1	17 (15-21)	11 (10-14)	7.8 (6.6-9.5)	5.7 (4.6-7.0)	4.4 (3.3-5.5)	3.6 (2.5-4.6)	3.0 (2.0-4.0)	2.7 (1.8-3.7)	2.5 (1.6-3.5)	2.4 (1.5-3.3)	2.2 (1.4-3.1)
2	25 (20-34)	17 (14-23)	12 (9.0-16)	8.5 (6.1-12)	6.6 (4.3-9.8)	5.3 (3.2-8.3)	4.4 (2.5-7.1)	4.0 (2.2-6.6)	3.7 (2.0-6.3)	3.5 (1.8-5.9)	3.3 (1.7-5.7)
3	36 (27-46)	24 (18-31)	17 (12-24)	12 (8.2-19)	9.6 (5.7-16)	7.7 (4.2-13)	6.3 (3.3-11)	5.8 (2.8-11)	5.3 (2.6-10)	5.0 (2.4-9.5)	4.8 (2.2-9.1)
4	48 (35-59)	34 (24-41)	24 (17-31)	18 (12-24)	14 (9.3-20)	11 (7.1-17)	9.1 (5.4-15)	8.2 (4.7-14)	7.6 (4.2-13)	7.1 (3.8-12)	6.8 (3.6-12)
5	63 (54-71)	46 (38-52)	34 (27-38)	25 (20-30)	19 (15-24)	15 (12-20)	13 (9.9-17)	11 (8.4-16)	11 (7.5-15)	10 (6.9-14)	9.4 (6.4-13)
6	76	60	45	34	26	21	17	16	15	14	13

**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	11	8.1	6.0	4.6	3.7	3.1	2.8	2.6	2.4	2.2
1	24 (22-28)	17 (15-19)	12 (10-14)	8.9 (7.2-10)	6.9 (5.2-8.5)	5.5 (4.0-7.1)	4.7 (3.2-6.2)	4.2 (2.8-5.7)	3.8 (2.5-5.3)	3.6 (2.3-5.0)	3.3 (2.2-4.7)
2	34 (29-43)	24 (20-31)	17 (14-23)	13 (9.5-18)	10 (6.8-15)	8.0 (5.0-12)	6.8 (4.0-11)	6.1 (3.4-9.9)	5.6 (3.1-9.2)	5.2 (2.8-8.6)	4.8 (2.6-8.1)
3	46 (37-55)	34 (27-43)	25 (19-34)	19 (13-27)	14 (9.0-23)	11 (6.7-19)	9.7 (5.3-17)	8.7 (4.5-16)	8.0 (4.0-15)	7.4 (3.6-14)	6.9 (3.3-13)
4	60 (47-68)	45 (34-52)	34 (25-42)	26 (19-34)	20 (14-29)	16 (11-24)	14 (8.6-21)	12 (7.3-20)	11 (6.4-18)	10 (5.8-17)	9.7 (5.3-16)
5	72 (66-78)	58 (51-63)	45 (39-51)	35 (29-41)	28 (23-34)	22 (18-29)	19 (15-25)	17 (13-23)	15 (11-21)	14 (10-20)	13 (9.2-19)
6	83	71	57	46	37	30	25	23	21	19	18

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

**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	22	16	11	8.6	6.7	5.3	4.6	4.1	3.7	3.4	3.1
1	31 (29-34)	22 (20-25)	17 (14-19)	13 (10-15)	9.7 (7.4-12)	7.8 (5.7-10)	6.7 (4.7-9.0)	6.0 (4.1-8.2)	5.4 (3.6-7.5)	4.9 (3.3-7.0)	4.5 (3.0-6.4)
2	42 (36-50)	31 (26-38)	23 (19-29)	18 (13-24)	14 (9.6-20)	11 (7.2-16)	9.6 (5.9-15)	8.6 (5.0-14)	7.8 (4.4-13)	7.1 (3.9-12)	6.5 (3.5-11)
3	54 (45-62)	42 (34-51)	32 (25-43)	25 (18-35)	19 (13-30)	16 (9.5-25)	14 (7.7-23)	12 (6.5-21)	11 (5.7-19)	10 (5.1-18)	9.2 (4.6-17)
4	66 (56-71)	53 (43-61)	42 (33-52)	33 (25-43)	26 (20-37)	21 (15-31)	19 (12-28)	17 (10-26)	15 (9.0-24)	14 (8.0-22)	13 (7.2-21)
5	76 (72-80)	65 (60-70)	53 (48-60)	43 (38-51)	35 (30-43)	29 (24-37)	25 (20-33)	22 (17-30)	20 (15-28)	19 (13-26)	17 (12-24)
6	84	75	65	54	45	37	33	30	27	25	23

**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	24	18	13	10	8.0	6.6	5.7	5.0	4.5	4.0	3.7
1	34 (30-40)	25 (22-30)	19 (16-23)	15 (12-17)	11 (8.8-13)	9.2 (6.9-11)	7.9 (5.8-9.2)	6.9 (5.0-8.1)	6.1 (4.3-7.3)	5.5 (3.9-6.6)	5.0 (3.5-6.0)
2	46 (38-55)	35 (28-44)	27 (21-34)	21 (15-26)	16 (11-21)	13 (8.7-17)	11 (7.2-15)	9.5 (6.1-13)	8.4 (5.3-11)	7.5 (4.6-10)	6.7 (4.1-9.3)
3	59 (49-69)	47 (37-58)	37 (27-48)	28 (20-39)	22 (15-31)	18 (12-26)	15 (9.4-22)	13 (8.0-20)	11 (6.8-17)	10 (6.0-16)	9.0 (5.3-14)
4	71 (63-78)	60 (50-68)	49 (39-57)	38 (30-47)	30 (23-39)	24 (18-32)	20 (15-28)	17 (12-25)	15 (11-22)	13 (9.3-20)	12 (8.3-18)
5	80 (75-84)	72 (65-77)	61 (54-67)	50 (43-56)	40 (34-47)	32 (27-39)	27 (23-33)	23 (19-29)	20 (17-26)	18 (15-23)	16 (13-21)
6	86	81	73	62	51	42	35	30	26	23	20

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

**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	24	18	14	11	8.4	7.0	6.0	5.2	4.6	4.1	3.6
1	35 (28-51)	27 (21-40)	20 (16-30)	16 (12-22)	12 (9.0-16)	9.9 (7.3-13)	8.3 (6.1-10)	7.1 (5.1-8.2)	6.1 (4.4-7.2)	5.4 (3.9-6.4)	4.8 (3.4-5.7)
2	47 (36-65)	38 (27-54)	30 (21-43)	23 (15-33)	17 (12-25)	14 (9.3-20)	12 (7.6-16)	9.7 (6.4-13)	8.2 (5.4-11)	7.1 (4.7-9.8)	6.2 (4.1-8.8)
3	60 (45-74)	51 (35-65)	41 (27-54)	32 (20-44)	25 (15-34)	20 (12-28)	16 (10-23)	13 (8.4-19)	11 (7.1-16)	9.4 (6.1-13)	8.2 (5.3-11)
4	72 (56-80)	63 (46-74)	54 (37-64)	44 (29-54)	34 (22-43)	28 (18-35)	22 (15-29)	18 (13-24)	15 (11-20)	13 (9.3-17)	11 (8.1-15)
5	80 (67-84)	74 (58-80)	66 (49-73)	57 (40-63)	46 (32-53)	38 (26-44)	31 (22-36)	25 (19-30)	20 (16-25)	17 (14-21)	14 (12-18)
6	85	82	76	69	59	50	41	34	28	23	19

**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	22	17	13	10	8.1	6.8	5.8	4.9	4.3	3.7	3.3
1	31 (25-47)	24 (19-37)	19 (14-29)	15 (11-22)	12 (8.6-17)	9.6 (7.0-13)	8.0 (5.8-10)	6.8 (4.9-8.4)	5.8 (4.1-6.8)	4.9 (3.5-5.6)	4.3 (3.1-5.0)
2	42 (31-58)	34 (25-49)	27 (19-40)	21 (15-32)	17 (11-25)	14 (9.1-20)	11 (7.5-16)	9.3 (6.2-13)	7.8 (5.2-10)	6.6 (4.4-8.6)	5.7 (3.7-7.4)
3	54 (40-67)	46 (32-59)	37 (25-50)	30 (19-41)	24 (15-32)	19 (12-26)	16 (9.9-22)	13 (8.1-18)	11 (6.8-15)	8.9 (5.7-12)	7.5 (4.9-10)
4	65 (49-74)	57 (40-67)	49 (32-59)	40 (26-50)	33 (20-41)	27 (17-34)	22 (14-28)	18 (12-23)	15 (9.9-19)	12 (8.5-16)	10 (7.3-14)
5	73 (58-79)	67 (50-74)	60 (42-67)	52 (35-58)	43 (28-50)	36 (24-42)	30 (20-35)	24 (17-29)	20 (14-24)	16 (12-20)	14 (11-17)
6	80	76	70	63	55	47	40	33	27	22	18

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

**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	18	15	12	9.2	7.7	6.5	5.6	4.8	4.1	3.6	3.1
1	26 (20-40)	21 (16-32)	17 (12-25)	13 (9.5-20)	11 (7.8-16)	9.2 (6.5-13)	7.7 (5.4-10)	6.5 (4.6-8.5)	5.6 (3.9-7.0)	4.8 (3.3-5.8)	4.1 (2.8-4.8)
2	36 (26-50)	29 (20-42)	24 (16-35)	19 (13-28)	16 (10-23)	13 (8.5-19)	11 (7.0-15)	9.0 (5.9-13)	7.6 (4.9-10)	6.4 (4.2-8.6)	5.5 (3.5-7.1)
3	46 (33-60)	39 (27-52)	32 (21-44)	26 (17-36)	22 (14-30)	18 (11-25)	15 (9.3-21)	12 (7.8-17)	10 (6.5-14)	8.7 (5.5-12)	7.3 (4.6-10)
4	57 (41-67)	50 (34-60)	43 (28-53)	36 (22-45)	30 (19-38)	25 (16-32)	21 (13-27)	17 (11-22)	14 (9.3-19)	12 (7.8-16)	9.9 (6.7-13)
5	67 (50-73)	61 (43-67)	54 (36-60)	46 (30-53)	40 (25-46)	34 (21-40)	28 (18-34)	24 (15-29)	20 (13-24)	16 (11-20)	13 (9.6-17)
6	75	70	64	57	51	44	38	32	27	22	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	15	13	10	8.3	7.2	6.2	5.4	4.6	4.0	3.5	3.0
1	21 (15-30)	17 (12-25)	14 (9.8-20)	12 (8.0-16)	9.9 (6.8-14)	8.5 (5.8-12)	7.3 (5.0-9.6)	6.2 (4.2-8.1)	5.4 (3.6-6.8)	4.6 (3.1-5.7)	4.0 (2.7-4.8)
2	28 (19-39)	23 (16-33)	19 (13-27)	16 (10-23)	14 (8.8-19)	12 (7.5-16)	9.9 (6.3-14)	8.4 (5.4-12)	7.2 (4.6-9.7)	6.2 (3.9-8.2)	5.3 (3.4-6.9)
3	37 (25-48)	31 (21-41)	26 (17-35)	22 (14-29)	19 (12-25)	16 (9.9-22)	14 (8.4-19)	11 (7.1-16)	9.8 (6.1-14)	8.3 (5.2-12)	7.1 (4.4-9.8)
4	46 (32-56)	40 (27-50)	34 (22-43)	29 (18-37)	25 (16-32)	22 (13-28)	18 (11-24)	16 (9.8-21)	13 (8.4-18)	11 (7.2-15)	9.5 (6.2-13)
5	56 (40-63)	50 (34-57)	44 (29-51)	38 (24-45)	33 (21-40)	29 (18-35)	25 (16-30)	21 (14-26)	18 (12-23)	15 (10-19)	13 (8.9-16)
6	66	61	55	49	43	38	33	29	24	21	18