

Pakistan - 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 Pakistan. 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	8.2	4.4	2.3	1.2	0.6	0.3	0.2	0.1	0.1	0.0	0.0
1	13 (8.6-17)	6.9 (4.6-9.1)	3.7 (2.4-4.9)	2.0 (1.3-2.6)	1.0 (0.7-1.4)	0.5 (0.4-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)	0.0 (0.0-0.1)	0.0 (0.0-0.0)
2	19 (12-28)	11 (6.5-16)	5.8 (3.4-8.7)	3.1 (1.8-4.7)	1.6 (1.0-2.5)	0.9 (0.5-1.3)	0.4 (0.3-0.7)	0.2 (0.1-0.4)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	0.0 (0.0-0.1)
3	28 (18-41)	16 (9.7-25)	8.9 (5.2-14)	4.8 (2.8-7.7)	2.6 (1.5-4.1)	1.4 (0.8-2.2)	0.7 (0.4-1.2)	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	39 (27-54)	24 (16-35)	14 (8.6-20)	7.4 (4.6-11)	4.0 (2.4-6.2)	2.1 (1.3-3.3)	1.1 (0.7-1.8)	0.6 (0.4-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
5	53 (43-65)	34 (26-45)	20 (15-28)	11 (8.2-16)	6.1 (4.4-8.7)	3.2 (2.3-4.7)	1.7 (1.2-2.5)	0.9 (0.7-1.3)	0.5 (0.4-0.7)	0.3 (0.2-0.4)	0.1 (0.1-0.2)
6	66	46	29	17	9.1	4.9	2.6	1.4	0.7	0.4	0.2

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

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	10	5.7	3.2	1.7	1.0	0.5	0.3	0.2	0.1	0.1	0.0
1	15 (11-19)	8.7 (6.0-11)	4.9 (3.3-6.1)	2.7 (1.8-3.4)	1.5 (1.0-1.9)	0.8 (0.5-1.0)	0.4 (0.3-0.6)	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	22 (15-31)	13 (8.4-18)	7.5 (4.7-11)	4.2 (2.6-6.0)	2.3 (1.4-3.3)	1.3 (0.8-1.8)	0.7 (0.4-1.0)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
3	32 (21-43)	19 (12-28)	11 (7.0-17)	6.4 (3.9-9.5)	3.5 (2.2-5.4)	2.0 (1.2-3.0)	1.1 (0.6-1.6)	0.6 (0.4-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
4	43 (32-56)	27 (19-38)	17 (11-24)	9.5 (6.4-14)	5.4 (3.5-8.1)	3.0 (2.0-4.5)	1.6 (1.1-2.5)	0.9 (0.6-1.4)	0.5 (0.3-0.8)	0.3 (0.2-0.4)	0.2 (0.1-0.3)
5	55 (47-66)	38 (31-48)	24 (19-32)	14 (11-19)	8.0 (6.2-11)	4.5 (3.4-6.4)	2.5 (1.9-3.5)	1.4 (1.1-2.0)	0.8 (0.6-1.1)	0.4 (0.3-0.6)	0.2 (0.2-0.4)
6	67	50	33	20	12	6.7	3.7	2.1	1.2	0.7	0.4

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	12	7.2	4.3	2.5	1.5	0.9	0.5	0.3	0.2	0.1	0.1
1	17 (12-20)	11 (7.5-13)	6.4 (4.5-7.6)	3.8 (2.6-4.5)	2.2 (1.5-2.6)	1.3 (0.9-1.5)	0.8 (0.5-0.9)	0.4 (0.3-0.5)	0.3 (0.2-0.3)	0.2 (0.1-0.2)	0.1 (0.1-0.1)
2	24 (17-31)	15 (10-20)	9.4 (6.3-13)	5.7 (3.7-7.7)	3.3 (2.2-4.6)	2.0 (1.3-2.7)	1.1 (0.7-1.6)	0.7 (0.4-0.9)	0.4 (0.3-0.6)	0.2 (0.2-0.3)	0.1 (0.1-0.2)
3	33 (25-42)	22 (15-29)	14 (9.4-19)	8.3 (5.6-12)	5.0 (3.3-7.0)	2.9 (1.9-4.2)	1.7 (1.1-2.5)	1.0 (0.7-1.5)	0.6 (0.4-0.9)	0.4 (0.2-0.5)	0.2 (0.1-0.3)
4	43 (35-53)	30 (23-39)	19 (14-26)	12 (8.7-17)	7.3 (5.2-10)	4.4 (3.1-6.3)	2.6 (1.8-3.7)	1.5 (1.1-2.2)	0.9 (0.6-1.3)	0.6 (0.4-0.8)	0.3 (0.2-0.5)
5	54 (48-62)	39 (34-48)	27 (22-34)	17 (14-23)	11 (8.7-14)	6.4 (5.2-8.8)	3.8 (3.1-5.3)	2.2 (1.8-3.1)	1.4 (1.1-1.9)	0.8 (0.7-1.2)	0.5 (0.4-0.7)
6	63	50	36	24	15	9.2	5.5	3.3	2.0	1.2	0.7

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

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	13	8.1	5.1	3.2	2.0	1.2	0.8	0.5	0.3	0.2	0.1
1	18 (13-20)	12 (8.5-13)	7.4 (5.4-8.4)	4.7 (3.4-5.3)	2.9 (2.1-3.3)	1.8 (1.3-2.1)	1.1 (0.8-1.3)	0.7 (0.5-0.8)	0.5 (0.3-0.5)	0.3 (0.2-0.3)	0.2 (0.1-0.2)
2	24 (18-30)	16 (12-20)	11 (7.5-13)	6.8 (4.7-8.7)	4.3 (3.0-5.5)	2.7 (1.8-3.5)	1.7 (1.1-2.2)	1.1 (0.7-1.4)	0.7 (0.5-0.9)	0.4 (0.3-0.6)	0.3 (0.2-0.4)
3	32 (25-40)	22 (17-29)	15 (11-20)	9.7 (7.1-13)	6.2 (4.5-8.3)	3.9 (2.8-5.3)	2.5 (1.7-3.3)	1.5 (1.1-2.1)	1.0 (0.7-1.3)	0.6 (0.4-0.9)	0.4 (0.3-0.6)
4	41 (35-50)	30 (24-37)	21 (16-27)	14 (11-18)	8.9 (6.8-12)	5.6 (4.3-7.7)	3.6 (2.7-4.9)	2.3 (1.7-3.1)	1.5 (1.1-2.0)	0.9 (0.7-1.3)	0.6 (0.5-0.9)
5	50 (46-57)	38 (34-46)	27 (24-34)	19 (16-24)	12 (11-16)	8.0 (6.9-11)	5.1 (4.4-6.9)	3.3 (2.8-4.4)	2.1 (1.8-2.9)	1.4 (1.2-1.9)	0.9 (0.8-1.2)
6	58	47	36	25	17	11	7.3	4.7	3.0	2.0	1.3

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	11	7.5	5.0	3.3	2.2	1.5	1.0	0.6	0.4	0.3	0.2
1	17 (15-22)	12 (10-15)	7.9 (7.0-10)	5.3 (4.7-7.0)	3.6 (3.1-4.7)	2.4 (2.1-3.1)	1.6 (1.4-2.0)	1.0 (0.9-1.4)	0.7 (0.6-0.9)	0.5 (0.4-0.6)	0.3 (0.3-0.4)
2	25 (21-31)	18 (15-22)	12 (10-16)	8.4 (6.8-11)	5.6 (4.6-7.4)	3.8 (3.1-5.0)	2.5 (2.0-3.3)	1.7 (1.4-2.3)	1.1 (0.9-1.5)	0.8 (0.6-1.1)	0.5 (0.4-0.7)
3	35 (29-41)	26 (21-31)	18 (15-23)	13 (10-16)	8.8 (6.9-11)	6.0 (4.6-7.6)	4.0 (3.1-5.1)	2.7 (2.1-3.5)	1.8 (1.4-2.4)	1.3 (1.0-1.6)	0.9 (0.7-1.1)
4	46 (38-52)	36 (29-42)	27 (21-32)	19 (15-23)	13 (10-16)	9.3 (7.0-11)	6.3 (4.7-7.6)	4.3 (3.2-5.2)	2.9 (2.2-3.6)	2.0 (1.5-2.5)	1.4 (1.0-1.7)
5	57 (49-61)	47 (39-51)	37 (30-40)	28 (22-30)	20 (15-22)	14 (11-15)	9.7 (7.3-11)	6.7 (5.0-7.4)	4.7 (3.5-5.2)	3.2 (2.4-3.6)	2.2 (1.6-2.5)
6	66	58	48	38	29	21	15	10	7.3	5.0	3.5

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

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	9.0	6.4	4.6	3.2	2.3	1.6	1.1	0.8	0.6	0.4	0.3
1	16 (12-31)	12 (8.7-24)	8.4 (6.3-18)	6.0 (4.5-13)	4.3 (3.2-9.3)	3.0 (2.2-6.6)	2.1 (1.6-4.7)	1.5 (1.1-3.4)	1.1 (0.8-2.4)	0.8 (0.6-1.8)	0.6 (0.4-1.3)
2	25 (16-41)	19 (12-33)	14 (8.7-25)	10 (6.2-19)	7.6 (4.4-14)	5.4 (3.1-10)	3.8 (2.2-7.2)	2.8 (1.6-5.3)	2.0 (1.1-3.9)	1.5 (0.8-2.8)	1.1 (0.6-2.0)
3	36 (22-50)	29 (16-42)	22 (12-34)	17 (8.7-26)	13 (6.2-20)	9.1 (4.4-15)	6.6 (3.1-11)	4.8 (2.3-7.9)	3.5 (1.7-5.8)	2.6 (1.2-4.2)	1.9 (0.9-3.1)
4	48 (29-59)	40 (22-50)	32 (17-42)	26 (13-34)	20 (9.1-26)	15 (6.6-20)	11 (4.7-15)	8.0 (3.4-11)	5.9 (2.5-8.1)	4.3 (1.8-6.0)	3.2 (1.3-4.3)
5	59 (38-66)	52 (30-59)	44 (24-51)	36 (18-42)	29 (13-34)	22 (9.7-26)	17 (7.0-20)	13 (5.2-15)	9.6 (3.8-11)	7.1 (2.8-8.3)	5.2 (2.0-6.1)
6	70	64	56	48	40	32	25	20	15	11	8.4

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	7.4	5.5	4.1	3.1	2.3	1.7	1.3	1.0	0.7	0.5	0.4
1	13 (9.5-26)	9.9 (7.2-21)	7.5 (5.4-16)	5.7 (4.0-12)	4.3 (3.0-9.4)	3.2 (2.2-7.0)	2.4 (1.6-5.3)	1.8 (1.3-4.1)	1.4 (1.0-3.1)	1.0 (0.7-2.4)	0.8 (0.5-1.8)
2	20 (12-35)	16 (9.4-29)	12 (7.1-23)	9.6 (5.4-18)	7.3 (4.0-14)	5.5 (3.0-10)	4.2 (2.3-7.9)	3.2 (1.7-6.1)	2.5 (1.3-4.7)	1.9 (1.0-3.6)	1.4 (0.8-2.8)
3	30 (17-44)	24 (13-37)	19 (9.9-30)	15 (7.5-24)	12 (5.6-19)	9.1 (4.2-15)	6.9 (3.2-12)	5.4 (2.4-9.1)	4.2 (1.9-7.0)	3.2 (1.4-5.4)	2.4 (1.1-4.2)
4	40 (22-52)	34 (18-45)	28 (14-38)	23 (11-31)	18 (8.1-25)	14 (6.1-20)	11 (4.6-16)	8.7 (3.6-12)	6.8 (2.8-9.7)	5.2 (2.1-7.6)	4.0 (1.6-5.9)
5	52 (30-58)	45 (24-51)	39 (19-44)	32 (15-38)	26 (12-31)	21 (9.0-25)	17 (6.9-20)	13 (5.4-16)	11 (4.2-13)	8.3 (3.2-10.0)	6.5 (2.5-7.8)
6	62	56	50	43	36	30	24	20	16	13	10

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

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	5.6	4.4	3.4	2.7	2.1	1.6	1.3	1.0	0.8	0.6	0.5
1	10.0 (7.3-21)	7.9 (5.7-17)	6.3 (4.5-14)	4.9 (3.5-11)	3.9 (2.7-8.6)	3.0 (2.1-6.7)	2.4 (1.7-5.4)	1.9 (1.3-4.3)	1.5 (1.1-3.5)	1.2 (0.8-2.8)	1.0 (0.7-2.2)
2	16 (9.5-29)	13 (7.5-24)	11 (6.0-20)	8.4 (4.7-16)	6.7 (3.7-13)	5.3 (2.9-10.0)	4.2 (2.3-8.0)	3.4 (1.8-6.5)	2.7 (1.5-5.2)	2.2 (1.2-4.2)	1.7 (0.9-3.4)
3	24 (13-37)	20 (10-32)	17 (8.3-26)	14 (6.5-22)	11 (5.1-18)	8.7 (4.0-14)	7.0 (3.2-12)	5.7 (2.6-9.5)	4.6 (2.1-7.7)	3.7 (1.7-6.3)	3.0 (1.3-5.1)
4	34 (18-45)	29 (14-39)	25 (12-34)	21 (9.3-28)	17 (7.4-24)	14 (5.8-19)	11 (4.7-16)	9.1 (3.8-13)	7.4 (3.1-11)	6.0 (2.5-8.7)	4.9 (2.0-7.1)
5	46 (25-52)	40 (21-46)	35 (17-40)	30 (14-34)	25 (11-29)	20 (8.7-24)	17 (7.0-20)	14 (5.7-17)	12 (4.6-14)	9.5 (3.7-11)	7.8 (3.0-9.3)
6	57	52	46	40	35	29	25	21	17	15	12

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	3.5	2.8	2.3	1.9	1.5	1.2	1.0	0.9	0.7	0.6	0.5
1	6.3 (4.5-14)	5.2 (3.7-11)	4.3 (3.0-9.4)	3.5 (2.5-7.8)	2.9 (2.0-6.4)	2.3 (1.6-5.2)	1.9 (1.4-4.4)	1.6 (1.1-3.7)	1.4 (0.9-3.1)	1.1 (0.8-2.6)	1.0 (0.7-2.2)
2	11 (6.0-20)	8.8 (4.9-16)	7.3 (4.0-14)	6.0 (3.3-11)	5.0 (2.7-9.5)	4.1 (2.2-7.8)	3.4 (1.8-6.6)	2.9 (1.5-5.5)	2.4 (1.3-4.7)	2.0 (1.1-3.9)	1.7 (0.9-3.3)
3	17 (8.3-26)	14 (6.8-23)	12 (5.6-19)	9.9 (4.6-16)	8.2 (3.8-14)	6.8 (3.1-11)	5.7 (2.6-9.6)	4.8 (2.2-8.1)	4.1 (1.8-6.9)	3.4 (1.5-5.8)	2.9 (1.3-4.9)
4	25 (12-34)	21 (9.7-29)	18 (8.1-25)	15 (6.7-22)	13 (5.5-18)	11 (4.5-15)	9.2 (3.8-13)	7.8 (3.2-11)	6.6 (2.7-9.5)	5.6 (2.3-8.1)	4.8 (1.9-6.9)
5	35 (17-40)	30 (14-35)	26 (12-31)	23 (9.8-27)	19 (8.2-23)	16 (6.7-19)	14 (5.7-17)	12 (4.8-14)	10 (4.1-12)	8.9 (3.4-11)	7.5 (2.9-9.0)
6	46	41	37	32	28	24	21	18	16	14	12