

**China - The probabilities of a hip fracture in women**

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 China. 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	7.9	4.1	2.1	1.1	0.6	0.3	0.1	0.1	0.0	0.0	0.0
1	12 (8.3-16)	6.6 (4.3-8.6)	3.4 (2.2-4.5)	1.7 (1.1-2.3)	0.9 (0.6-1.2)	0.5 (0.3-0.6)	0.2 (0.2-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	0.0 (0.0-0.0)	0.0 (0.0-0.0)
2	19 (12-28)	10 (6.1-15)	5.4 (3.1-8.2)	2.8 (1.6-4.3)	1.4 (0.8-2.2)	0.7 (0.4-1.1)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	0.0 (0.0-0.0)
3	29 (17-43)	16 (9.1-25)	8.5 (4.8-14)	4.4 (2.4-7.3)	2.3 (1.3-3.8)	1.2 (0.6-1.9)	0.6 (0.3-1.0)	0.3 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.1)	0.0 (0.0-0.1)
4	41 (28-58)	24 (15-36)	13 (8.1-20)	6.9 (4.2-11)	3.6 (2.2-5.7)	1.8 (1.1-3.0)	0.9 (0.6-1.5)	0.5 (0.3-0.8)	0.3 (0.2-0.4)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
5	56 (45-70)	35 (27-47)	20 (15-27)	11 (7.8-15)	5.5 (4.0-8.0)	2.9 (2.1-4.2)	1.5 (1.1-2.1)	0.8 (0.6-1.1)	0.4 (0.3-0.6)	0.2 (0.2-0.3)	0.1 (0.1-0.2)
6	72	48	29	16	8.4	4.4	2.3	1.2	0.6	0.3	0.2

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

**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	7.9	4.3	2.3	1.3	0.7	0.4	0.2	0.1	0.1	0.0	0.0
1	12 (8.3-15)	6.8 (4.5-8.3)	3.7 (2.5-4.6)	2.0 (1.3-2.5)	1.1 (0.7-1.3)	0.6 (0.4-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)	0.1 (0.0-0.1)	0.0 (0.0-0.0)
2	19 (12-26)	10 (6.4-15)	5.8 (3.5-8.4)	3.2 (1.9-4.6)	1.7 (1.0-2.5)	0.9 (0.5-1.3)	0.5 (0.3-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)	0.0 (0.0-0.1)
3	27 (17-40)	16 (9.6-24)	8.9 (5.3-14)	4.9 (2.9-7.8)	2.7 (1.5-4.2)	1.4 (0.8-2.3)	0.8 (0.4-1.2)	0.4 (0.3-0.7)	0.2 (0.1-0.4)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
4	39 (28-54)	24 (16-35)	13 (8.9-20)	7.5 (4.9-12)	4.1 (2.7-6.4)	2.2 (1.4-3.5)	1.2 (0.8-1.9)	0.7 (0.4-1.1)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
5	53 (45-66)	34 (28-45)	20 (16-28)	11 (8.9-16)	6.3 (4.9-9.0)	3.4 (2.7-4.9)	1.8 (1.4-2.7)	1.0 (0.8-1.5)	0.6 (0.4-0.8)	0.3 (0.3-0.5)	0.2 (0.1-0.3)
6	68	47	29	17	9.4	5.2	2.8	1.6	0.9	0.5	0.3

**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	8.5	4.9	2.7	1.5	0.9	0.5	0.3	0.2	0.1	0.1	0.0
1	13 (9.0-15)	7.5 (5.1-8.8)	4.2 (2.9-5.0)	2.4 (1.6-2.8)	1.3 (0.9-1.6)	0.7 (0.5-0.9)	0.4 (0.3-0.5)	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	19 (13-26)	11 (7.2-15)	6.5 (4.1-8.9)	3.7 (2.3-5.1)	2.1 (1.3-2.9)	1.2 (0.7-1.6)	0.7 (0.4-0.9)	0.4 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
3	28 (18-39)	17 (11-25)	9.8 (6.1-15)	5.6 (3.5-8.5)	3.2 (2.0-4.8)	1.8 (1.1-2.7)	1.0 (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	39 (29-53)	24 (18-35)	15 (10-21)	8.5 (5.9-13)	4.8 (3.3-7.3)	2.7 (1.9-4.1)	1.5 (1.1-2.4)	0.9 (0.6-1.4)	0.5 (0.4-0.8)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
5	52 (46-64)	34 (30-45)	21 (18-29)	13 (10-17)	7.2 (5.9-10)	4.1 (3.4-5.8)	2.4 (1.9-3.4)	1.4 (1.1-2.0)	0.8 (0.6-1.1)	0.5 (0.4-0.7)	0.3 (0.2-0.4)
6	66	47	30	18	11	6.1	3.5	2.1	1.2	0.7	0.4

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

**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	9.3	5.5	3.2	1.9	1.1	0.6	0.4	0.2	0.1	0.1	0.1
1	14 (9.7-16)	8.3 (5.8-9.7)	4.9 (3.4-5.8)	2.9 (2.0-3.4)	1.7 (1.2-2.0)	1.0 (0.7-1.2)	0.6 (0.4-0.7)	0.4 (0.2-0.4)	0.2 (0.2-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.1)
2	20 (14-25)	12 (8.1-16)	7.3 (4.8-9.5)	4.3 (2.8-5.7)	2.5 (1.6-3.3)	1.5 (1.0-2.0)	0.9 (0.6-1.2)	0.5 (0.3-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
3	28 (20-37)	18 (12-24)	11 (7.2-15)	6.5 (4.3-9.2)	3.8 (2.5-5.5)	2.2 (1.5-3.2)	1.3 (0.9-2.0)	0.8 (0.5-1.2)	0.5 (0.3-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.3)
4	38 (30-50)	25 (19-34)	16 (12-22)	9.5 (7.0-14)	5.7 (4.2-8.2)	3.3 (2.4-4.9)	2.0 (1.5-3.0)	1.2 (0.9-1.8)	0.7 (0.5-1.1)	0.4 (0.3-0.7)	0.3 (0.2-0.4)
5	50 (45-61)	34 (30-44)	22 (19-30)	14 (11-19)	8.3 (6.9-11)	4.9 (4.1-6.9)	3.0 (2.5-4.2)	1.8 (1.5-2.6)	1.1 (0.9-1.6)	0.7 (0.5-0.9)	0.4 (0.3-0.6)
6	63	46	31	20	12	7.2	4.4	2.7	1.6	1.0	0.6

**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	10	6.2	3.8	2.3	1.4	0.9	0.6	0.4	0.2	0.1	0.1
1	16 (14-20)	10 (8.7-13)	6.3 (5.4-8.0)	3.9 (3.3-5.0)	2.4 (2.0-3.0)	1.5 (1.3-1.9)	0.9 (0.8-1.2)	0.6 (0.5-0.8)	0.4 (0.3-0.5)	0.2 (0.2-0.3)	0.1 (0.1-0.2)
2	25 (20-32)	16 (13-21)	10 (8.1-14)	6.4 (5.0-8.6)	3.9 (3.1-5.3)	2.4 (1.9-3.3)	1.5 (1.2-2.1)	1.0 (0.8-1.3)	0.6 (0.5-0.9)	0.4 (0.3-0.5)	0.2 (0.2-0.3)
3	36 (29-43)	25 (19-30)	16 (12-20)	10 (7.6-13)	6.4 (4.7-8.3)	4.0 (2.9-5.3)	2.6 (1.9-3.4)	1.6 (1.2-2.2)	1.0 (0.7-1.4)	0.6 (0.5-0.9)	0.4 (0.3-0.6)
4	50 (41-56)	36 (29-42)	25 (19-29)	16 (12-19)	10 (7.6-13)	6.5 (4.7-8.0)	4.2 (3.0-5.2)	2.7 (1.9-3.3)	1.7 (1.2-2.1)	1.1 (0.8-1.3)	0.7 (0.5-0.9)
5	64 (56-67)	50 (42-54)	36 (29-40)	25 (20-28)	16 (13-18)	10 (8.1-12)	6.8 (5.2-7.8)	4.4 (3.4-5.0)	2.8 (2.1-3.2)	1.8 (1.4-2.0)	1.1 (0.9-1.3)
6	75	64	50	36	25	16	11	7.0	4.5	2.9	1.8

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

**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	10	6.6	4.2	2.7	1.7	1.2	0.8	0.5	0.3	0.2	0.1
1	18 (14-36)	12 (9.2-25)	8.2 (6.0-17)	5.3 (3.9-11)	3.4 (2.5-7.4)	2.3 (1.6-4.9)	1.5 (1.1-3.3)	1.0 (0.7-2.2)	0.7 (0.5-1.4)	0.4 (0.3-1.0)	0.3 (0.2-0.6)
2	30 (19-49)	21 (13-37)	14 (8.4-27)	9.7 (5.5-18)	6.4 (3.5-12)	4.3 (2.3-8.3)	2.9 (1.5-5.6)	1.9 (1.0-3.8)	1.3 (0.7-2.5)	0.8 (0.4-1.7)	0.6 (0.3-1.1)
3	44 (27-61)	33 (19-49)	24 (12-37)	17 (8.2-26)	11 (5.3-18)	7.6 (3.5-12)	5.1 (2.3-8.5)	3.5 (1.6-5.8)	2.3 (1.0-3.9)	1.5 (0.7-2.6)	1.0 (0.5-1.8)
4	58 (37-70)	47 (27-59)	36 (18-47)	26 (12-35)	18 (8.2-25)	13 (5.5-18)	8.9 (3.7-13)	6.0 (2.5-8.7)	4.1 (1.6-5.9)	2.7 (1.1-4.0)	1.8 (0.7-2.7)
5	71 (50-77)	62 (38-68)	51 (28-57)	40 (19-45)	29 (13-33)	21 (9.0-24)	15 (6.2-17)	10 (4.2-12)	6.9 (2.8-8.3)	4.7 (1.9-5.6)	3.1 (1.2-3.8)
6	80	74	65	55	43	32	23	17	12	7.9	5.3

**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	8.6	5.9	4.0	2.7	1.8	1.3	0.9	0.6	0.4	0.3	0.2
1	15 (11-31)	11 (7.7-23)	7.5 (5.2-16)	5.2 (3.5-11)	3.5 (2.4-7.7)	2.5 (1.7-5.4)	1.7 (1.2-3.8)	1.2 (0.8-2.7)	0.8 (0.6-1.9)	0.6 (0.4-1.3)	0.4 (0.3-0.9)
2	25 (15-43)	18 (11-33)	13 (7.3-24)	9.2 (5.0-18)	6.4 (3.4-12)	4.5 (2.4-8.9)	3.2 (1.7-6.3)	2.2 (1.2-4.5)	1.6 (0.8-3.1)	1.1 (0.6-2.2)	0.8 (0.4-1.5)
3	37 (21-55)	29 (15-44)	21 (11-34)	15 (7.4-25)	11 (5.1-18)	7.9 (3.6-13)	5.6 (2.5-9.5)	4.0 (1.8-6.7)	2.8 (1.2-4.8)	1.9 (0.8-3.3)	1.4 (0.6-2.3)
4	51 (30-64)	41 (22-54)	32 (16-43)	24 (11-33)	18 (7.7-25)	13 (5.5-19)	9.4 (3.9-14)	6.7 (2.7-9.9)	4.8 (1.9-7.1)	3.4 (1.3-5.0)	2.4 (0.9-3.6)
5	64 (41-70)	55 (31-62)	45 (23-52)	36 (17-42)	27 (12-33)	21 (8.7-25)	15 (6.2-19)	11 (4.4-14)	7.9 (3.1-9.9)	5.6 (2.2-7.1)	4.0 (1.5-5.0)
6	75	68	59	49	39	31	23	17	13	9.1	6.5

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

**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	6.4	4.6	3.3	2.3	1.7	1.3	0.9	0.7	0.5	0.4	0.3
1	12 (8.3-24)	8.5 (6.0-18)	6.2 (4.3-13)	4.4 (3.1-9.7)	3.3 (2.2-7.2)	2.4 (1.7-5.4)	1.8 (1.2-4.0)	1.3 (0.9-2.9)	1.0 (0.7-2.2)	0.7 (0.5-1.6)	0.5 (0.4-1.2)
2	19 (11-33)	14 (8.4-26)	11 (6.0-20)	7.8 (4.3-15)	5.8 (3.2-11)	4.4 (2.3-8.4)	3.2 (1.7-6.3)	2.4 (1.3-4.7)	1.8 (0.9-3.5)	1.3 (0.7-2.6)	1.0 (0.5-1.9)
3	29 (16-43)	23 (12-35)	17 (8.5-28)	13 (6.2-21)	9.8 (4.6-16)	7.4 (3.4-12)	5.6 (2.5-9.4)	4.2 (1.9-7.1)	3.1 (1.4-5.3)	2.3 (1.0-3.9)	1.7 (0.8-2.9)
4	41 (22-52)	33 (17-44)	26 (13-36)	20 (9.2-28)	16 (6.9-22)	12 (5.1-17)	9.2 (3.8-13)	6.9 (2.8-9.9)	5.2 (2.1-7.5)	3.9 (1.6-5.6)	2.9 (1.1-4.2)
5	53 (30-59)	45 (24-51)	37 (18-43)	30 (14-35)	24 (10-28)	19 (7.9-23)	15 (5.9-18)	11 (4.5-14)	8.5 (3.3-10)	6.4 (2.5-7.9)	4.8 (1.8-5.9)
6	65	58	50	42	34	28	22	17	13	10	7.7

**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	4.6	3.5	2.6	2.0	1.6	1.2	1.0	0.7	0.6	0.4	0.3
1	8.4 (6.0-18)	6.4 (4.6-14)	4.9 (3.5-11)	3.8 (2.6-8.3)	3.0 (2.1-6.6)	2.3 (1.6-5.2)	1.8 (1.3-4.1)	1.4 (1.0-3.2)	1.1 (0.8-2.5)	0.9 (0.6-1.9)	0.7 (0.5-1.5)
2	14 (8.1-25)	11 (6.2-20)	8.4 (4.7-16)	6.6 (3.6-12)	5.2 (2.9-9.8)	4.1 (2.2-7.8)	3.2 (1.8-6.2)	2.5 (1.4-4.9)	2.0 (1.1-3.9)	1.6 (0.8-3.0)	1.2 (0.6-2.4)
3	22 (11-33)	17 (8.6-27)	14 (6.6-22)	11 (5.1-18)	8.7 (4.0-14)	6.9 (3.2-12)	5.5 (2.5-9.2)	4.3 (2.0-7.3)	3.4 (1.5-5.8)	2.7 (1.2-4.6)	2.1 (0.9-3.6)
4	31 (16-42)	26 (12-35)	21 (9.5-29)	17 (7.4-24)	14 (5.9-19)	11 (4.7-16)	8.9 (3.7-13)	7.1 (3.0-10)	5.6 (2.3-8.1)	4.5 (1.8-6.4)	3.5 (1.4-5.0)
5	43 (22-49)	36 (18-42)	30 (14-35)	25 (11-29)	21 (8.8-25)	17 (7.1-20)	14 (5.6-17)	11 (4.5-14)	9.0 (3.5-11)	7.2 (2.8-8.7)	5.7 (2.2-6.9)
6	55	48	42	35	30	25	21	17	14	11	9.0