

**China - 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 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	11	5.8	3.1	1.6	0.8	0.4	0.2	0.1	0.1	0.0	0.0
1	17 (11-21)	9.1 (6.0-12)	4.9 (3.2-6.4)	2.6 (1.7-3.4)	1.4 (0.9-1.8)	0.7 (0.5-0.9)	0.4 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.1)	0.1 (0.0-0.1)	0.0 (0.0-0.0)
2	25 (16-35)	14 (8.5-21)	7.6 (4.5-11)	4.1 (2.4-6.2)	2.2 (1.3-3.3)	1.1 (0.7-1.7)	0.6 (0.4-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.1)	0.0 (0.0-0.1)
3	36 (23-51)	21 (13-32)	12 (6.8-18)	6.4 (3.6-10)	3.4 (1.9-5.5)	1.8 (1.0-2.9)	0.9 (0.5-1.5)	0.5 (0.3-0.8)	0.3 (0.2-0.4)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
4	49 (35-65)	31 (20-44)	18 (11-27)	9.8 (6.1-15)	5.3 (3.2-8.2)	2.8 (1.7-4.4)	1.5 (0.9-2.3)	0.8 (0.5-1.2)	0.4 (0.3-0.7)	0.2 (0.1-0.4)	0.1 (0.1-0.2)
5	63 (53-75)	43 (33-55)	26 (20-35)	15 (11-21)	8.0 (5.9-12)	4.3 (3.1-6.2)	2.3 (1.6-3.3)	1.2 (0.9-1.8)	0.6 (0.5-0.9)	0.3 (0.3-0.5)	0.2 (0.1-0.3)
6	77	57	37	22	12	6.5	3.5	1.8	1.0	0.5	0.3

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men 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	10	5.9	3.2	1.8	1.0	0.5	0.3	0.2	0.1	0.1	0.0
1	16 (11-19)	9.0 (6.2-11)	5.0 (3.4-6.3)	2.8 (1.9-3.5)	1.5 (1.0-1.9)	0.8 (0.6-1.0)	0.5 (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	23 (15-32)	14 (8.6-19)	7.7 (4.8-11)	4.3 (2.7-6.2)	2.4 (1.5-3.4)	1.3 (0.8-1.9)	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	33 (22-45)	20 (13-29)	12 (7.2-17)	6.6 (4.0-10)	3.7 (2.2-5.6)	2.0 (1.2-3.1)	1.1 (0.7-1.7)	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	45 (33-58)	29 (20-40)	17 (12-25)	9.9 (6.6-15)	5.6 (3.7-8.4)	3.1 (2.0-4.7)	1.7 (1.1-2.6)	0.9 (0.6-1.4)	0.5 (0.3-0.8)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
5	58 (50-69)	40 (33-51)	25 (20-33)	15 (11-20)	8.3 (6.5-12)	4.7 (3.6-6.6)	2.6 (2.0-3.7)	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	70	52	35	21	12	7.0	3.9	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	9.5	5.7	3.3	2.0	1.1	0.7	0.4	0.2	0.1	0.1	0.1
1	14 (10-17)	8.5 (5.9-10)	5.0 (3.5-6.0)	3.0 (2.1-3.5)	1.7 (1.2-2.1)	1.0 (0.7-1.2)	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 (0.1-0.1)
2	20 (14-27)	13 (8.3-17)	7.6 (4.9-10)	4.5 (2.9-6.1)	2.6 (1.7-3.6)	1.5 (1.0-2.1)	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 (12-25)	11 (7.4-16)	6.7 (4.4-9.5)	4.0 (2.6-5.7)	2.3 (1.5-3.4)	1.4 (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 (30-49)	25 (19-34)	16 (12-22)	9.8 (7.0-14)	5.9 (4.1-8.5)	3.5 (2.4-5.1)	2.0 (1.4-3.0)	1.2 (0.8-1.8)	0.7 (0.5-1.1)	0.4 (0.3-0.6)	0.3 (0.2-0.4)
5	49 (43-59)	35 (29-44)	23 (19-30)	14 (12-19)	8.6 (7.1-12)	5.1 (4.2-7.1)	3.0 (2.5-4.2)	1.8 (1.5-2.5)	1.1 (0.9-1.5)	0.6 (0.5-0.9)	0.4 (0.3-0.6)
6	60	45	31	20	12	7.5	4.5	2.6	1.6	1.0	0.6

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men 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	8.6	5.4	3.4	2.1	1.3	0.8	0.5	0.3	0.2	0.1	0.1
1	12 (9.0-14)	7.9 (5.7-9.0)	5.0 (3.6-5.7)	3.1 (2.2-3.6)	2.0 (1.4-2.2)	1.2 (0.9-1.4)	0.7 (0.5-0.9)	0.5 (0.3-0.5)	0.3 (0.2-0.3)	0.2 (0.1-0.2)	0.1 (0.1-0.1)
2	17 (13-22)	11 (8.0-14)	7.3 (5.0-9.3)	4.6 (3.2-5.9)	2.9 (2.0-3.7)	1.8 (1.2-2.3)	1.1 (0.8-1.4)	0.7 (0.5-0.9)	0.4 (0.3-0.6)	0.3 (0.2-0.4)	0.2 (0.1-0.2)
3	24 (18-31)	16 (12-21)	10 (7.6-14)	6.7 (4.8-8.9)	4.2 (3.0-5.6)	2.6 (1.8-3.5)	1.6 (1.1-2.2)	1.0 (0.7-1.4)	0.7 (0.5-0.9)	0.4 (0.3-0.6)	0.3 (0.2-0.4)
4	32 (26-40)	22 (17-29)	15 (11-20)	9.5 (7.3-13)	6.1 (4.6-8.4)	3.8 (2.9-5.3)	2.4 (1.8-3.4)	1.5 (1.1-2.1)	1.0 (0.7-1.4)	0.6 (0.5-0.9)	0.4 (0.3-0.6)
5	41 (37-49)	29 (26-37)	20 (18-26)	13 (12-18)	8.6 (7.5-12)	5.5 (4.8-7.4)	3.5 (3.0-4.7)	2.2 (1.9-3.0)	1.4 (1.2-1.9)	0.9 (0.8-1.3)	0.6 (0.5-0.8)
6	50	38	27	18	12	7.8	5.0	3.2	2.0	1.3	0.8

**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	7.7	5.2	3.4	2.3	1.5	1.0	0.7	0.4	0.3	0.2	0.1
1	12 (11-15)	8.1 (7.2-11)	5.5 (4.8-7.2)	3.7 (3.2-4.8)	2.4 (2.1-3.2)	1.6 (1.4-2.1)	1.1 (0.9-1.4)	0.7 (0.6-0.9)	0.5 (0.4-0.6)	0.3 (0.3-0.4)	0.2 (0.2-0.3)
2	18 (15-23)	13 (10-16)	8.6 (6.9-11)	5.8 (4.7-7.6)	3.9 (3.1-5.1)	2.6 (2.1-3.4)	1.7 (1.4-2.3)	1.1 (0.9-1.5)	0.8 (0.6-1.0)	0.5 (0.4-0.7)	0.4 (0.3-0.5)
3	26 (21-32)	19 (15-23)	13 (10-16)	9.0 (7.0-11)	6.1 (4.7-7.8)	4.1 (3.1-5.2)	2.7 (2.1-3.5)	1.8 (1.4-2.4)	1.3 (1.0-1.6)	0.9 (0.7-1.1)	0.6 (0.4-0.8)
4	36 (29-42)	27 (21-32)	19 (15-23)	14 (11-17)	9.4 (7.2-11)	6.4 (4.8-7.8)	4.3 (3.2-5.3)	2.9 (2.2-3.6)	2.0 (1.5-2.5)	1.4 (1.0-1.7)	0.9 (0.7-1.1)
5	47 (39-51)	37 (30-40)	28 (22-31)	20 (16-22)	14 (11-16)	9.9 (7.4-11)	6.7 (5.0-7.4)	4.6 (3.4-5.1)	3.2 (2.4-3.6)	2.2 (1.6-2.4)	1.5 (1.1-1.7)
6	57	47	38	29	21	15	10	7.2	5.0	3.5	2.4

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men 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	6.7	4.8	3.4	2.4	1.7	1.2	0.8	0.6	0.4	0.3	0.2
1	12 (9.0-25)	8.8 (6.5-18)	6.3 (4.6-13)	4.5 (3.3-9.7)	3.2 (2.3-6.9)	2.2 (1.6-4.9)	1.6 (1.1-3.4)	1.1 (0.8-2.5)	0.8 (0.6-1.8)	0.6 (0.4-1.3)	0.4 (0.3-0.9)
2	20 (12-33)	15 (9.0-26)	11 (6.5-19)	7.9 (4.6-14)	5.6 (3.3-10)	4.0 (2.3-7.5)	2.8 (1.6-5.4)	2.0 (1.2-3.9)	1.5 (0.8-2.8)	1.1 (0.6-2.1)	0.8 (0.4-1.5)
3	29 (17-43)	23 (12-34)	17 (9.1-27)	13 (6.5-20)	9.5 (4.6-15)	6.8 (3.3-11)	4.9 (2.3-8.0)	3.6 (1.7-5.9)	2.6 (1.2-4.3)	1.9 (0.9-3.1)	1.4 (0.6-2.3)
4	41 (23-51)	33 (17-43)	26 (13-35)	20 (9.4-27)	15 (6.8-21)	11 (4.9-15)	8.1 (3.5-11)	6.0 (2.5-8.2)	4.4 (1.8-6.0)	3.2 (1.3-4.4)	2.3 (1.0-3.2)
5	52 (31-59)	45 (24-51)	37 (18-43)	30 (14-35)	23 (10-27)	17 (7.3-20)	13 (5.2-15)	9.6 (3.8-11)	7.2 (2.8-8.4)	5.3 (2.0-6.2)	3.9 (1.5-4.5)
6	64	57	49	41	33	26	20	15	11	8.5	6.2

**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	5.2	3.9	2.9	2.1	1.6	1.2	0.9	0.7	0.5	0.4	0.3
1	9.4 (6.8-20)	7.1 (5.1-15)	5.4 (3.8-12)	4.0 (2.8-8.8)	3.0 (2.1-6.6)	2.2 (1.5-4.9)	1.6 (1.1-3.7)	1.2 (0.9-2.8)	0.9 (0.7-2.1)	0.7 (0.5-1.6)	0.5 (0.4-1.2)
2	15 (9.1-28)	12 (6.8-22)	9.2 (5.1-17)	7.0 (3.8-13)	5.2 (2.9-9.8)	3.9 (2.1-7.4)	2.9 (1.6-5.6)	2.2 (1.2-4.3)	1.7 (0.9-3.3)	1.3 (0.7-2.5)	1.0 (0.5-1.9)
3	24 (12-36)	19 (9.5-30)	15 (7.2-24)	11 (5.4-19)	8.7 (4.0-14)	6.6 (3.0-11)	4.9 (2.2-8.3)	3.8 (1.7-6.4)	2.9 (1.3-5.0)	2.2 (1.0-3.8)	1.7 (0.8-2.9)
4	34 (17-45)	28 (13-38)	22 (10-31)	18 (7.8-25)	14 (5.9-19)	11 (4.4-15)	8.0 (3.3-11)	6.2 (2.6-9.0)	4.8 (2.0-6.9)	3.7 (1.5-5.3)	2.8 (1.1-4.1)
5	45 (24-51)	39 (19-44)	32 (15-37)	26 (11-30)	21 (8.8-24)	16 (6.6-19)	13 (5.0-15)	9.9 (3.9-12)	7.7 (3.0-9.3)	6.0 (2.3-7.2)	4.6 (1.7-5.6)
6	57	50	43	36	30	24	19	15	12	9.3	7.3

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men 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	3.5	2.7	2.1	1.7	1.3	1.0	0.8	0.6	0.5	0.4	0.3
1	6.4 (4.6-14)	5.0 (3.6-11)	3.9 (2.8-8.7)	3.1 (2.2-6.9)	2.4 (1.7-5.4)	1.9 (1.3-4.2)	1.5 (1.0-3.4)	1.2 (0.8-2.7)	1.0 (0.7-2.2)	0.8 (0.5-1.7)	0.6 (0.4-1.4)
2	11 (6.0-20)	8.5 (4.7-16)	6.8 (3.7-13)	5.4 (2.9-10)	4.2 (2.3-8.1)	3.3 (1.8-6.4)	2.6 (1.4-5.1)	2.1 (1.1-4.1)	1.7 (0.9-3.3)	1.4 (0.7-2.6)	1.1 (0.6-2.1)
3	17 (8.3-26)	14 (6.6-22)	11 (5.2-18)	8.8 (4.1-14)	7.0 (3.2-12)	5.5 (2.5-9.2)	4.4 (2.0-7.4)	3.6 (1.6-6.0)	2.9 (1.3-4.9)	2.3 (1.0-3.9)	1.9 (0.8-3.2)
4	25 (12-34)	21 (9.3-28)	17 (7.4-24)	14 (5.8-19)	11 (4.6-16)	8.8 (3.6-13)	7.1 (2.9-10)	5.8 (2.3-8.4)	4.7 (1.9-6.8)	3.8 (1.5-5.5)	3.1 (1.2-4.4)
5	35 (17-40)	29 (14-34)	25 (11-29)	20 (8.7-24)	17 (6.9-20)	14 (5.4-16)	11 (4.3-13)	9.1 (3.5-11)	7.4 (2.8-8.8)	6.0 (2.3-7.2)	4.9 (1.8-5.9)
6	46	40	35	29	24	20	17	14	11	9.3	7.6

**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	2.3	1.9	1.6	1.3	1.0	0.9	0.7	0.6	0.5	0.4	0.4
1	4.3 (3.1-9.5)	3.5 (2.5-7.9)	2.9 (2.0-6.5)	2.4 (1.7-5.4)	2.0 (1.4-4.4)	1.6 (1.1-3.6)	1.3 (0.9-3.0)	1.1 (0.8-2.6)	0.9 (0.7-2.2)	0.8 (0.6-1.8)	0.7 (0.5-1.5)
2	7.3 (4.0-14)	6.1 (3.3-12)	5.0 (2.7-9.6)	4.1 (2.2-8.0)	3.4 (1.8-6.6)	2.8 (1.5-5.4)	2.3 (1.2-4.6)	2.0 (1.0-3.9)	1.7 (0.9-3.3)	1.4 (0.7-2.7)	1.2 (0.6-2.3)
3	12 (5.6-19)	9.8 (4.6-16)	8.2 (3.8-13)	6.8 (3.1-11)	5.6 (2.5-9.4)	4.6 (2.1-7.8)	3.9 (1.7-6.6)	3.3 (1.5-5.6)	2.8 (1.2-4.7)	2.4 (1.0-4.0)	2.0 (0.9-3.4)
4	18 (7.9-25)	15 (6.5-21)	13 (5.4-18)	11 (4.4-15)	8.9 (3.7-13)	7.4 (3.0-11)	6.3 (2.5-9.1)	5.4 (2.1-7.8)	4.5 (1.8-6.6)	3.8 (1.5-5.6)	3.3 (1.3-4.7)
5	26 (12-30)	22 (9.6-26)	19 (8.0-23)	16 (6.6-19)	14 (5.5-16)	11 (4.5-14)	9.8 (3.8-12)	8.4 (3.2-10)	7.1 (2.7-8.5)	6.1 (2.3-7.3)	5.2 (1.9-6.2)
6	36	31	27	24	20	17	15	13	11	9.3	8.0