China - The probabilities of a hip fracture in men

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 China. 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/m²)						
	15	20	25	30	35	40	45
0	0.3	0.2	0.1	0.1	0.1	0.0	0.0
1	0.6 (0.4-1.1)	0.3 (0.2-0.6)	0.2 (0.1-0.4)	0.1 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
2	1.1 (0.5-2.3)	0.6 (0.3-1.3)	0.3 (0.2-0.7)	0.3 (0.1-0.6)	0.2 (0.1-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.3)
3	2.0 (0.8-3.9)	1.2 (0.5-2.3)	0.7 (0.3-1.3)	0.5 (0.2-1.0)	0.4 (0.2-0.8)	0.3 (0.1-0.6)	0.2 (0.1-0.5)
4	3.6 (1.4-6.0)	2.1 (0.8-3.5)	1.2 (0.5-2.0)	0.9 (0.4-1.5)	0.7 (0.3-1.2)	0.6 (0.2-0.9)	0.4 (0.2-0.7)
5	6.3 (2.8-8.3)	3.8 (1.7-5.0)	2.1 (1.0-2.9)	1.7 (0.7-2.2)	1.3 (0.6-1.7)	1.0 (0.4-1.3)	0.8 (0.3-1.0)
6	11	6.5	3.8	2.9	2.3	1.8	1.4

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

Age = 55 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	0.5	0.3	0.2	0.1	0.1	0.1	0.1
1	0.9 (0.6-1.6)	0.5 (0.4-0.9)	0.3 (0.2-0.5)	0.2 (0.2-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.2)
2	1.6 (0.9-3.0)	1.0 (0.5-1.8)	0.5 (0.3-1.1)	0.4 (0.2-0.8)	0.3 (0.2-0.6)	0.3 (0.1-0.5)	0.2 (0.1-0.4)
3	2.9 (1.3-5.3)	1.7 (0.8-3.2)	1.0 (0.5-1.9)	0.8 (0.3-1.5)	0.6 (0.3-1.1)	0.5 (0.2-0.9)	0.4 (0.2-0.7)
4	5.0 (2.3-8.0)	3.0 (1.4-4.9)	1.8 (0.8-2.9)	1.4 (0.6-2.2)	1.1 (0.5-1.7)	0.8 (0.4-1.3)	0.6 (0.3-1.0)
5	8.4 (4.3-11)	5.3 (2.7-6.8)	3.1 (1.6-4.1)	2.4 (1.2-3.2)	1.9 (1.0-2.5)	1.4 (0.7-1.9)	1.1 (0.6-1.5)
6	14	8.9	5.4	4.2	3.2	2.5	1.9

Age = 60 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	0.8	0.5	0.3	0.2	0.2	0.1	0.1
1	1.4 (1.0-2.2)	0.8 (0.6-1.4)	0.5 (0.4-0.8)	0.4 (0.3-0.6)	0.3 (0.2-0.5)	0.2 (0.2-0.4)	0.2 (0.1-0.3)
2	2.4 (1.4-4.0)	1.5 (0.9-2.6)	0.9 (0.5-1.6)	0.7 (0.4-1.2)	0.5 (0.3-0.9)	0.4 (0.2-0.7)	0.3 (0.2-0.6)
3	4.0 (2.1-7.0)	2.6 (1.3-4.6)	1.6 (0.8-2.8)	1.2 (0.6-2.2)	0.9 (0.5-1.7)	0.7 (0.4-1.3)	0.5 (0.3-1.0)
4	6.7 (3.7-10)	4.4 (2.3-6.9)	2.7 (1.4-4.2)	2.1 (1.1-3.3)	1.6 (0.8-2.5)	1.2 (0.6-1.9)	1.0 (0.5-1.5)
5	11 (6.4-13)	7.3 (4.3-9.2)	4.6 (2.7-5.9)	3.6 (2.1-4.6)	2.7 (1.6-3.5)	2.1 (1.2-2.7)	1.6 (0.9-2.1)
6	17	12	7.7	5.9	4.6	3.5	2.7

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

Age = 65 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	1.2	0.8	0.5	0.4	0.3	0.2	0.2
1	2.0 (1.6-3.0)	1.3 (1.0-1.9)	0.8 (0.6-1.2)	0.6 (0.5-0.9)	0.5 (0.4-0.7)	0.4 (0.3-0.5)	0.3 (0.2-0.4)
2	3.3 (2.0-5.1)	2.2 (1.4-3.5)	1.4 (0.9-2.3)	1.1 (0.7-1.7)	0.8 (0.5-1.3)	0.6 (0.4-1.0)	0.5 (0.3-0.8)
3	5.3 (3.1-8.6)	3.7 (2.1-6.1)	2.4 (1.3-4.0)	1.8 (1.0-3.0)	1.4 (0.8-2.3)	1.1 (0.6-1.8)	0.8 (0.5-1.4)
4	8.4 (5.0-13)	6.0 (3.7-9.1)	4.0 (2.3-6.0)	3.0 (1.8-4.6)	2.3 (1.4-3.5)	1.8 (1.1-2.7)	1.4 (0.8-2.1)
5	13 (8.6-16)	9.5 (6.4-12)	6.5 (4.3-8.0)	5.0 (3.3-6.2)	3.8 (2.5-4.8)	2.9 (1.9-3.6)	2.2 (1.5-2.8)
6	19	15	10	8.0	6.2	4.7	3.6

Age = 70 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	1.7	1.2	0.8	0.6	0.5	0.4	0.3
1	3.0 (2.1-3.7)	2.1 (1.6-2.6)	1.4 (1.1-1.7)	1.1 (0.8-1.3)	0.8 (0.6-1.0)	0.6 (0.5-0.8)	0.5 (0.4-0.6)
2	5.0 (3.2-7.5)	3.7 (2.4-5.4)	2.5 (1.6-3.6)	1.9 (1.3-2.8)	1.5 (1.0-2.1)	1.1 (0.7-1.6)	0.8 (0.6-1.2)
3	8.2 (4.9-13)	6.3 (3.9-9.3)	4.4 (2.9-6.4)	3.4 (2.2-4.9)	2.6 (1.6-3.8)	1.9 (1.2-2.9)	1.5 (0.9-2.2)
4	13 (8.3-19)	10 (6.7-15)	7.5 (5.0-11)	5.8 (3.8-8.5)	4.4 (2.9-6.5)	3.4 (2.2-5.0)	2.6 (1.6-3.8)
5	20 (16-26)	16 (13-21)	12 (10-16)	9.6 (7.8-13)	7.4 (6.0-9.7)	5.7 (4.6-7.5)	4.3 (3.5-5.7)
6	29	25	20	16	12	9.4	7.2

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

Age = 75 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	2.4	1.8	1.3	1.0	0.7	0.6	0.4
1	4.4 (2.9-8.0)	3.4 (2.2-6.1)	2.4 (1.6-4.3)	1.8 (1.2-3.3)	1.4 (0.9-2.5)	1.1 (0.7-1.9)	0.8 (0.5-1.5)
2	7.8 (4.2-14)	6.1 (3.4-11)	4.5 (2.5-7.6)	3.4 (1.9-5.9)	2.6 (1.4-4.5)	2.0 (1.1-3.4)	1.5 (0.8-2.6)
3	13 (6.3-22)	11 (5.2-18)	8.0 (4.1-13)	6.1 (3.1-10)	4.7 (2.3-7.8)	3.6 (1.8-6.0)	2.7 (1.3-4.6)
4	20 (11-30)	17 (8.8-26)	14 (7.0-21)	11 (5.3-16)	8.1 (4.1-13)	6.2 (3.1-9.8)	4.7 (2.3-7.5)
5	30 (18-39)	26 (15-34)	22 (12-29)	17 (9.4-23)	14 (7.2-18)	11 (5.5-14)	8.1 (4.1-11)
6	42	38	33	27	22	17	13

Age = 80 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	3.0	2.3	1.6	1.2	0.9	0.7	0.5
1	5.4 (3.6-9.8)	4.2 (2.8-7.6)	3.0 (2.1-5.5)	2.3 (1.6-4.2)	1.7 (1.2-3.2)	1.3 (0.9-2.5)	1.0 (0.7-1.9)
2	9.1 (5.3-16)	7.2 (4.2-13)	5.4 (3.1-9.5)	4.1 (2.4-7.3)	3.1 (1.8-5.6)	2.4 (1.4-4.3)	1.8 (1.0-3.3)
3	15 (7.9-23)	12 (6.4-19)	9.3 (4.8-15)	7.1 (3.7-12)	5.5 (2.8-9.1)	4.2 (2.1-6.9)	3.2 (1.6-5.3)
4	23 (12-32)	19 (9.7-27)	15 (7.7-22)	12 (5.9-17)	9.2 (4.4-14)	7.0 (3.4-10)	5.4 (2.5-8.0)
5	33 (19-41)	28 (16-36)	24 (13-30)	19 (10-24)	15 (7.6-19)	11 (5.8-15)	8.8 (4.4-12)
6	44	40	35	28	23	18	14

FRAX® WHO Fracture Risk Assessment Tool

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

Age = 85 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	3.0	2.4	1.8	1.3	1.0	0.8	0.6
1	5.4 (3.5-9.8)	4.3 (2.8-7.9)	3.3 (2.2-6.0)	2.5 (1.7-4.6)	1.9 (1.3-3.5)	1.4 (0.9-2.6)	1.1 (0.7-2.0)
2	9.1 (5.3-16)	7.4 (4.3-13)	5.8 (3.3-10)	4.4 (2.5-7.9)	3.3 (1.9-6.0)	2.5 (1.4-4.6)	1.9 (1.1-3.5)
3	15 (7.8-23)	12 (6.4-19)	9.7 (5.1-16)	7.5 (3.9-12)	5.7 (2.9-9.3)	4.3 (2.2-7.1)	3.3 (1.7-5.4)
4	22 (12-31)	19 (9.6-27)	16 (7.8-23)	12 (6.0-18)	9.4 (4.5-14)	7.2 (3.4-11)	5.5 (2.6-8.2)
5	32 (19-40)	28 (16-36)	24 (13-31)	19 (10-25)	15 (7.7-20)	12 (5.9-16)	9.0 (4.4-12)
6	44	39	35	28	23	18	14

Age = 90 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	3.0	2.4	1.9	1.4	1.1	0.8	0.6
1	5.4 (3.5-9.8)	4.3 (2.9-8.0)	3.4 (2.3-6.3)	2.6 (1.7-4.8)	1.9 (1.3-3.6)	1.5 (1.0-2.7)	1.1 (0.7-2.1)
2	9.0 (5.2-16)	7.4 (4.3-13)	6.0 (3.4-11)	4.5 (2.6-8.2)	3.4 (1.9-6.3)	2.6 (1.5-4.8)	1.9 (1.1-3.6)
3	15 (7.7-23)	12 (6.4-19)	9.9 (5.2-16)	7.6 (3.9-12)	5.8 (2.9-9.5)	4.4 (2.2-7.2)	3.3 (1.7-5.5)
4	22 (11-31)	19 (9.6-27)	16 (7.9-23)	12 (6.0-18)	9.5 (4.5-14)	7.3 (3.4-11)	5.6 (2.6-8.3)
5	32 (19-40)	28 (16-36)	24 (13-31)	19 (10-25)	15 (7.7-20)	12 (5.9-16)	9.0 (4.4-12)
6	42	39	34	28	23	18	14