China - The probabilities of a hip fracture in women

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	0.5	0.3	0.1	0.1	0.1	0.1	0.1
1	1.0 (0.6-1.9)	0.5 (0.3-1.0)	0.3 (0.2-0.6)	0.2 (0.1-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.3)	0.1 (0.1-0.2)
2	1.9 (0.9-4.0)	1.0 (0.5-2.2)	0.6 (0.3-1.2)	0.4 (0.2-0.9)	0.3 (0.2-0.7)	0.3 (0.1-0.6)	0.2 (0.1-0.4)
3	3.6 (1.4-7.0)	1.9 (0.8-3.9)	1.1 (0.4-2.1)	0.8 (0.3-1.6)	0.6 (0.3-1.3)	0.5 (0.2-1.0)	0.4 (0.2-0.8)
4	6.5 (2.5-11)	3.6 (1.4-5.8)	1.9 (0.7-3.2)	1.5 (0.6-2.5)	1.2 (0.5-1.9)	0.9 (0.4-1.5)	0.7 (0.3-1.2)
5	11 (5.3-15)	6.4 (2.9-8.6)	3.5 (1.6-4.8)	2.7 (1.2-3.7)	2.1 (1.0-2.9)	1.7 (0.8-2.3)	1.3 (0.6-1.8)
6	20	11	6.2	4.9	3.8	3.0	2.3

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

Age = 55 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	0.8	0.5	0.2	0.2	0.2	0.1	0.1
1	1.6 (1.1-2.8)	0.9 (0.6-1.5)	0.5 (0.3-0.8)	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	3.0 (1.6-5.9)	1.6 (0.9-3.2)	0.9 (0.5-1.8)	0.7 (0.4-1.4)	0.5 (0.3-1.1)	0.4 (0.2-0.8)	0.3 (0.2-0.6)
3	5.5 (2.5-10)	3.0 (1.4-5.7)	1.7 (0.7-3.1)	1.3 (0.6-2.4)	1.0 (0.4-1.9)	0.8 (0.3-1.5)	0.6 (0.3-1.1)
4	9.6 (4.3-15)	5.4 (2.4-8.5)	3.0 (1.3-4.7)	2.3 (1.0-3.7)	1.8 (0.8-2.9)	1.4 (0.6-2.2)	1.1 (0.5-1.7)
5	16 (8.9-21)	9.5 (5.0-12)	5.3 (2.8-7.0)	4.1 (2.2-5.5)	3.2 (1.7-4.3)	2.5 (1.3-3.3)	1.9 (1.0-2.6)
6	27	16	9.1	7.1	5.6	4.4	3.4

Age = 60 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	1.5	0.8	0.5	0.4	0.3	0.2	0.2
1	2.7 (2.0-4.3)	1.5 (1.1-2.4)	0.8 (0.6-1.3)	0.6 (0.5-1.0)	0.5 (0.4-0.8)	0.4 (0.3-0.6)	0.3 (0.2-0.5)
2	4.9 (2.9-8.7)	2.8 (1.6-5.0)	1.5 (0.9-2.8)	1.2 (0.7-2.2)	0.9 (0.5-1.7)	0.7 (0.4-1.3)	0.6 (0.3-1.0)
3	8.5 (4.3-15)	4.9 (2.5-8.6)	2.7 (1.4-4.9)	2.1 (1.1-3.8)	1.6 (0.8-2.9)	1.3 (0.6-2.3)	1.0 (0.5-1.8)
4	14 (7.6-22)	8.4 (4.3-13)	4.8 (2.4-7.3)	3.7 (1.9-5.7)	2.9 (1.4-4.5)	2.2 (1.1-3.5)	1.7 (0.9-2.7)
5	23 (15-29)	14 (8.7-18)	8.2 (5.0-11)	6.4 (3.9-8.4)	5.0 (3.0-6.5)	3.9 (2.3-5.1)	3.0 (1.8-4.0)
6	37	23	14	11	8.5	6.7	5.2

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

Age = 65 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	2.6	1.5	0.8	0.6	0.5	0.4	0.3
1	4.4 (3.3-6.2)	2.6 (1.9-3.6)	1.5 (1.1-2.0)	1.1 (0.8-1.6)	0.9 (0.7-1.2)	0.7 (0.5-1.0)	0.5 (0.4-0.7)
2	7.5 (4.7-12)	4.5 (2.8-7.3)	2.5 (1.6-4.2)	2.0 (1.2-3.3)	1.5 (1.0-2.5)	1.2 (0.7-2.0)	0.9 (0.6-1.5)
3	12 (7.2-20)	7.6 (4.2-12)	4.4 (2.4-7.3)	3.4 (1.9-5.7)	2.6 (1.5-4.4)	2.0 (1.1-3.4)	1.6 (0.9-2.7)
4	20 (12-29)	13 (7.4-18)	7.4 (4.2-11)	5.8 (3.3-8.6)	4.5 (2.6-6.7)	3.5 (2.0-5.2)	2.7 (1.5-4.0)
5	31 (22-37)	20 (14-25)	12 (8.5-16)	9.6 (6.7-12)	7.5 (5.2-9.6)	5.9 (4.0-7.5)	4.6 (3.1-5.8)
6	44	31	20	16	12	9.7	7.6

Age = 70 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	4.1	2.5	1.5	1.1	0.9	0.7	0.5
1	7.2 (5.5-8.5)	4.5 (3.5-5.3)	2.7 (2.1-3.1)	2.1 (1.6-2.4)	1.6 (1.3-1.9)	1.2 (1.0-1.4)	0.9 (0.7-1.1)
2	12 (8.3-17)	8.0 (5.3-11)	4.8 (3.2-6.5)	3.7 (2.5-5.1)	2.9 (1.9-3.9)	2.2 (1.5-3.1)	1.7 (1.1-2.4)
3	20 (14-28)	14 (9.1-20)	8.6 (5.6-13)	6.7 (4.3-9.9)	5.2 (3.4-7.7)	4.0 (2.6-6.0)	3.1 (2.0-4.6)
4	32 (23-42)	23 (16-32)	15 (11-21)	12 (8.3-17)	9.1 (6.4-13)	7.1 (5.0-10)	5.5 (3.8-8.0)
5	46 (40-54)	36 (31-43)	25 (21-30)	20 (17-24)	16 (13-19)	12 (10-15)	9.5 (8.0-12)
6	60	51	39	32	26	20	16

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

Age = 75 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	5.8	3.8	2.4	1.8	1.4	1.1	0.8
1	11 (7.5-18)	7.3 (5.1-13)	4.6 (3.3-8.0)	3.6 (2.5-6.2)	2.7 (1.9-4.8)	2.1 (1.5-3.7)	1.6 (1.1-2.9)
2	19 (11-30)	13 (7.7-21)	8.7 (5.0-15)	6.7 (3.8-11)	5.2 (2.9-8.9)	4.0 (2.3-6.9)	3.1 (1.7-5.3)
3	30 (17-44)	23 (13-34)	16 (8.6-25)	12 (6.7-20)	9.6 (5.1-15)	7.4 (4.0-12)	5.7 (3.0-9.4)
4	43 (27-56)	35 (21-49)	26 (15-38)	21 (12-31)	17 (9.1-25)	13 (7.1-20)	10 (5.5-16)
5	56 (40-66)	51 (34-61)	41 (25-50)	34 (20-42)	28 (16-35)	22 (12-29)	18 (9.7-23)
6	68	65	58	50	42	35	29

Age = 80 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	6.7	4.7	3.0	2.3	1.8	1.4	1.0
1	12 (8.4-21)	8.6 (6.1-15)	5.7 (4.1-10)	4.4 (3.2-7.9)	3.4 (2.4-6.1)	2.6 (1.8-4.7)	2.0 (1.4-3.6)
2	20 (12-32)	15 (9.1-25)	10 (6.2-18)	8.0 (4.8-14)	6.2 (3.7-11)	4.8 (2.8-8.3)	3.7 (2.1-6.4)
3	30 (18-44)	24 (14-37)	18 (9.5-28)	14 (7.3-23)	11 (5.6-18)	8.4 (4.3-14)	6.5 (3.3-11)
4	43 (26-55)	36 (21-48)	28 (16-39)	23 (12-32)	18 (9.6-26)	14 (7.4-21)	11 (5.7-16)
5	56 (39-64)	50 (33-59)	42 (26-51)	35 (21-43)	29 (16-36)	23 (13-29)	18 (9.7-23)
6	67	63	57	50	42	35	28

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

Age = 85 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	6.4	4.8	3.3	2.5	1.9	1.5	1.1
1	11 (7.6-20)	8.5 (5.9-15)	6.1 (4.3-11)	4.7 (3.3-8.5)	3.6 (2.5-6.5)	2.7 (1.9-5.0)	2.1 (1.4-3.8)
2	18 (11-30)	14 (8.8-24)	11 (6.5-18)	8.3 (4.9-14)	6.4 (3.8-11)	4.9 (2.9-8.6)	3.8 (2.2-6.6)
3	28 (16-41)	23 (13-35)	18 (9.8-28)	14 (7.5-23)	11 (5.8-18)	8.5 (4.4-14)	6.5 (3.4-11)
4	39 (23-51)	34 (19-45)	28 (16-39)	23 (12-32)	18 (9.3-26)	14 (7.1-20)	11 (5.4-16)
5	51 (35-60)	47 (30-56)	41 (25-50)	34 (20-42)	28 (15-35)	22 (12-29)	18 (9.2-23)
6	63	59	54	47	40	33	27

Age = 90 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	5.7	4.5	3.3	2.5	1.9	1.4	1.1
1	9.9 (6.7-18)	7.9 (5.4-14)	6.0 (4.1-11)	4.6 (3.1-8.4)	3.5 (2.4-6.4)	2.7 (1.8-4.9)	2.0 (1.3-3.7)
2	16 (9.8-27)	13 (8.0-23)	10 (6.2-18)	8.0 (4.7-14)	6.2 (3.6-11)	4.7 (2.7-8.4)	3.6 (2.0-6.4)
3	25 (14-37)	21 (12-32)	17 (9.4-27)	13 (7.2-21)	10 (5.5-17)	8.0 (4.2-13)	6.1 (3.1-10)
4	35 (21-47)	31 (17-42)	26 (14-36)	21 (11-30)	17 (8.4-24)	13 (6.4-19)	10 (4.9-15)
5	47 (31-56)	43 (27-52)	38 (23-47)	31 (18-39)	25 (14-33)	20 (11-26)	16 (8.3-21)
6	58	55	51	43	37	30	24