

The US (Black) - 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 the US (Black). 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/m ²)						
	15	20	25	30	35	40	45
0	0.2	0.1	0.1	0.0	0.0	0.0	0.0
1	0.3 (0.2-0.6)	0.2 (0.1-0.4)	0.1 (0.1-0.2)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	0.0 (0.0-0.1)	0.0 (0.0-0.1)
2	0.6 (0.3-1.2)	0.4 (0.2-0.7)	0.2 (0.1-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.2)
3	1.1 (0.5-2.1)	0.7 (0.3-1.3)	0.4 (0.2-0.8)	0.3 (0.1-0.6)	0.2 (0.1-0.5)	0.2 (0.1-0.4)	0.1 (0.1-0.3)
4	1.9 (0.8-3.2)	1.2 (0.5-2.0)	0.7 (0.3-1.2)	0.5 (0.2-0.9)	0.4 (0.2-0.7)	0.3 (0.1-0.5)	0.2 (0.1-0.4)
5	3.4 (1.5-4.4)	2.1 (0.9-2.8)	1.2 (0.6-1.7)	1.0 (0.4-1.3)	0.7 (0.3-1.0)	0.6 (0.3-0.8)	0.4 (0.2-0.6)
6	5.7	3.6	2.2	1.7	1.3	1.0	0.8

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

Age = 55 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	0.3	0.2	0.1	0.1	0.1	0.0	0.0
1	0.5 (0.4-0.9)	0.3 (0.2-0.6)	0.2 (0.1-0.3)	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	0.9 (0.5-1.7)	0.6 (0.3-1.1)	0.3 (0.2-0.6)	0.3 (0.1-0.5)	0.2 (0.1-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
3	1.6 (0.7-3.0)	1.0 (0.5-1.9)	0.6 (0.3-1.1)	0.5 (0.2-0.9)	0.4 (0.2-0.7)	0.3 (0.1-0.5)	0.2 (0.1-0.4)
4	2.8 (1.3-4.5)	1.8 (0.8-2.9)	1.1 (0.5-1.7)	0.8 (0.4-1.3)	0.6 (0.3-1.0)	0.5 (0.2-0.8)	0.4 (0.2-0.6)
5	4.7 (2.4-5.9)	3.1 (1.6-4.0)	1.9 (1.0-2.5)	1.4 (0.7-1.9)	1.1 (0.6-1.5)	0.9 (0.4-1.1)	0.7 (0.3-0.9)
6	7.7	5.2	3.2	2.5	1.9	1.5	1.1

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	0.5	0.3	0.2	0.1	0.1	0.1	0.1
1	0.8 (0.6-1.3)	0.5 (0.4-0.8)	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	1.4 (0.8-2.4)	0.9 (0.5-1.6)	0.6 (0.3-1.0)	0.4 (0.2-0.8)	0.3 (0.2-0.6)	0.3 (0.1-0.4)	0.2 (0.1-0.3)
3	2.4 (1.2-4.1)	1.6 (0.8-2.8)	1.0 (0.5-1.7)	0.7 (0.4-1.3)	0.6 (0.3-1.0)	0.4 (0.2-0.8)	0.3 (0.2-0.6)
4	4.0 (2.1-6.2)	2.7 (1.4-4.2)	1.7 (0.9-2.6)	1.3 (0.7-2.0)	1.0 (0.5-1.6)	0.8 (0.4-1.2)	0.6 (0.3-0.9)
5	6.4 (3.7-8.1)	4.4 (2.6-5.6)	2.8 (1.7-3.6)	2.2 (1.3-2.8)	1.7 (1.0-2.1)	1.3 (0.7-1.6)	1.0 (0.6-1.3)
6	10	7.2	4.7	3.6	2.8	2.1	1.6

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

Age = 65 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	0.8	0.5	0.3	0.2	0.2	0.1	0.1
1	1.3 (1.0-1.9)	0.9 (0.7-1.2)	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	2.1 (1.3-3.3)	1.4 (0.9-2.3)	0.9 (0.6-1.5)	0.7 (0.4-1.1)	0.5 (0.3-0.9)	0.4 (0.3-0.7)	0.3 (0.2-0.5)
3	3.4 (2.0-5.6)	2.4 (1.4-3.9)	1.5 (0.9-2.6)	1.2 (0.7-2.0)	0.9 (0.5-1.5)	0.7 (0.4-1.2)	0.5 (0.3-0.9)
4	5.5 (3.2-8.3)	3.9 (2.4-5.9)	2.6 (1.5-3.9)	2.0 (1.2-3.0)	1.5 (0.9-2.3)	1.2 (0.7-1.8)	0.9 (0.5-1.3)
5	8.5 (5.5-11)	6.2 (4.1-7.7)	4.2 (2.8-5.2)	3.2 (2.2-4.0)	2.5 (1.6-3.1)	1.9 (1.3-2.4)	1.4 (1.0-1.8)
6	13	9.8	6.8	5.2	4.0	3.1	2.3

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	1.3	0.9	0.6	0.4	0.3	0.3	0.2
1	2.2 (1.6-2.7)	1.6 (1.2-1.9)	1.0 (0.8-1.2)	0.8 (0.6-0.9)	0.6 (0.5-0.7)	0.5 (0.3-0.6)	0.3 (0.3-0.4)
2	3.8 (2.4-5.7)	2.7 (1.8-4.0)	1.8 (1.2-2.6)	1.4 (0.9-2.0)	1.1 (0.7-1.5)	0.8 (0.5-1.2)	0.6 (0.4-0.9)
3	6.2 (3.7-9.7)	4.7 (2.9-6.9)	3.2 (2.1-4.7)	2.4 (1.6-3.6)	1.9 (1.2-2.8)	1.4 (0.9-2.1)	1.1 (0.7-1.6)
4	10 (6.3-15)	7.8 (5.0-11)	5.5 (3.7-8.1)	4.2 (2.8-6.3)	3.2 (2.1-4.8)	2.5 (1.6-3.7)	1.9 (1.2-2.8)
5	16 (12-21)	13 (10-17)	9.3 (7.6-12)	7.2 (5.8-9.4)	5.5 (4.5-7.2)	4.2 (3.4-5.5)	3.2 (2.6-4.2)
6	23	20	15	12	9.2	7.1	5.4

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

Age = 75 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	2.2	1.6	1.1	0.8	0.6	0.5	0.4
1	4.1 (2.6-7.4)	3.1 (2.0-5.5)	2.1 (1.4-3.7)	1.6 (1.1-2.9)	1.2 (0.8-2.2)	0.9 (0.6-1.7)	0.7 (0.5-1.3)
2	7.2 (3.9-13)	5.6 (3.1-9.6)	3.9 (2.2-6.7)	3.0 (1.7-5.1)	2.3 (1.3-3.9)	1.7 (1.0-3.0)	1.3 (0.7-2.3)
3	12 (5.8-21)	9.7 (4.8-16)	7.1 (3.7-11)	5.4 (2.8-8.8)	4.2 (2.1-6.8)	3.2 (1.6-5.2)	2.4 (1.2-4.0)
4	19 (9.7-28)	16 (8.2-24)	12 (6.4-19)	9.5 (4.9-15)	7.3 (3.7-11)	5.6 (2.8-8.9)	4.3 (2.1-6.8)
5	28 (16-36)	25 (14-32)	20 (11-26)	16 (8.6-21)	12 (6.6-17)	9.6 (5.0-13)	7.4 (3.8-10)
6	39	36	31	25	20	16	12

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	3.6	2.7	1.9	1.4	1.1	0.8	0.6
1	6.4 (4.2-12)	4.9 (3.4-9.0)	3.5 (2.4-6.3)	2.7 (1.9-4.9)	2.0 (1.4-3.7)	1.5 (1.1-2.8)	1.2 (0.8-2.2)
2	11 (6.1-19)	8.6 (5.0-15)	6.3 (3.7-11)	4.8 (2.8-8.4)	3.7 (2.1-6.5)	2.8 (1.6-4.9)	2.1 (1.2-3.8)
3	17 (9.0-27)	14 (7.6-22)	11 (5.7-18)	8.3 (4.3-14)	6.4 (3.3-11)	4.9 (2.5-8.2)	3.7 (1.9-6.3)
4	25 (13-35)	22 (11-31)	18 (9.1-25)	14 (7.0-20)	11 (5.3-16)	8.3 (4.0-12)	6.4 (3.0-9.5)
5	35 (21-44)	32 (18-40)	27 (15-34)	22 (12-28)	17 (9.1-22)	13 (6.9-18)	10 (5.3-14)
6	46	43	39	32	26	21	16

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

Age = 85 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	4.9	3.6	2.5	1.9	1.5	1.1	0.8
1	8.6 (5.8-15)	6.6 (4.5-12)	4.7 (3.3-8.4)	3.6 (2.5-6.5)	2.7 (1.9-5.0)	2.1 (1.4-3.8)	1.6 (1.1-2.9)
2	14 (8.6-24)	11 (6.8-19)	8.3 (4.9-14)	6.4 (3.8-11)	4.9 (2.9-8.6)	3.8 (2.2-6.6)	2.9 (1.6-5.1)
3	22 (13-34)	18 (10-28)	14 (7.5-23)	11 (5.8-18)	8.5 (4.4-14)	6.5 (3.4-11)	5.0 (2.5-8.4)
4	32 (18-44)	28 (15-38)	23 (12-32)	18 (9.3-26)	14 (7.1-20)	11 (5.4-16)	8.5 (4.1-13)
5	44 (28-53)	39 (24-48)	34 (20-42)	28 (16-35)	22 (12-29)	18 (9.3-23)	14 (7.1-18)
6	55	52	47	40	33	27	21

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	4.8	3.6	2.5	1.9	1.5	1.1	0.8
1	8.5 (5.8-15)	6.5 (4.5-12)	4.7 (3.3-8.5)	3.6 (2.5-6.5)	2.7 (1.9-5.0)	2.1 (1.4-3.8)	1.6 (1.1-2.9)
2	14 (8.6-24)	11 (6.7-19)	8.3 (4.9-14)	6.4 (3.7-11)	4.9 (2.8-8.6)	3.7 (2.2-6.6)	2.8 (1.6-5.1)
3	22 (13-34)	18 (10-28)	14 (7.5-23)	11 (5.8-18)	8.5 (4.4-14)	6.5 (3.3-11)	5.0 (2.5-8.3)
4	33 (18-44)	28 (15-38)	23 (12-32)	18 (9.2-26)	14 (7.1-20)	11 (5.4-16)	8.4 (4.1-12)
5	44 (29-53)	40 (24-48)	34 (20-42)	28 (15-35)	22 (12-28)	17 (9.2-23)	14 (7.0-18)
6	56	52	47	40	33	27	21