

The US (Caucasian) - 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 (Caucasian). 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	0.4	0.2	0.1	0.1	0.1	0.1	0.0
1	0.8 (0.5-1.6)	0.4 (0.3-0.9)	0.2 (0.2-0.5)	0.2 (0.1-0.4)	0.1 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.2)
2	1.5 (0.8-3.2)	0.9 (0.4-1.8)	0.5 (0.2-1.0)	0.4 (0.2-0.8)	0.3 (0.1-0.6)	0.2 (0.1-0.5)	0.2 (0.1-0.4)
3	2.8 (1.2-5.5)	1.6 (0.7-3.2)	0.9 (0.4-1.8)	0.7 (0.3-1.4)	0.5 (0.2-1.1)	0.4 (0.2-0.8)	0.3 (0.1-0.7)
4	5.1 (2.0-8.3)	3.0 (1.2-4.8)	1.7 (0.6-2.7)	1.3 (0.5-2.1)	1.0 (0.4-1.6)	0.8 (0.3-1.3)	0.6 (0.2-1.0)
5	8.9 (4.0-12)	5.2 (2.4-7.0)	3.0 (1.3-4.0)	2.3 (1.0-3.1)	1.8 (0.8-2.4)	1.4 (0.6-1.9)	1.1 (0.5-1.5)
6	15	9.1	5.2	4.1	3.2	2.5	1.9

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

Age = 55 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	0.7	0.4	0.2	0.2	0.1	0.1	0.1
1	1.3 (0.9-2.4)	0.8 (0.5-1.4)	0.4 (0.3-0.8)	0.3 (0.2-0.6)	0.3 (0.2-0.5)	0.2 (0.1-0.4)	0.2 (0.1-0.3)
2	2.4 (1.3-4.6)	1.4 (0.8-2.7)	0.8 (0.4-1.6)	0.6 (0.3-1.2)	0.5 (0.3-0.9)	0.4 (0.2-0.7)	0.3 (0.2-0.6)
3	4.3 (2.0-8.0)	2.6 (1.2-4.8)	1.5 (0.7-2.8)	1.1 (0.5-2.1)	0.9 (0.4-1.7)	0.7 (0.3-1.3)	0.5 (0.2-1.0)
4	7.5 (3.5-12)	4.5 (2.0-7.2)	2.6 (1.2-4.2)	2.0 (0.9-3.3)	1.6 (0.7-2.5)	1.2 (0.5-2.0)	0.9 (0.4-1.5)
5	13 (6.7-16)	7.8 (4.1-10)	4.6 (2.4-6.1)	3.6 (1.8-4.7)	2.8 (1.4-3.7)	2.1 (1.1-2.8)	1.7 (0.9-2.2)
6	21	13	7.9	6.1	4.8	3.7	2.9

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	1.2	0.7	0.4	0.3	0.2	0.2	0.2
1	2.2 (1.6-3.5)	1.3 (1.0-2.1)	0.8 (0.5-1.2)	0.6 (0.4-0.9)	0.4 (0.3-0.7)	0.3 (0.3-0.6)	0.3 (0.2-0.4)
2	3.9 (2.2-6.6)	2.3 (1.4-4.1)	1.4 (0.8-2.4)	1.1 (0.6-1.9)	0.8 (0.5-1.5)	0.6 (0.4-1.1)	0.5 (0.3-0.9)
3	6.6 (3.4-11)	4.1 (2.1-7.2)	2.4 (1.2-4.3)	1.9 (0.9-3.3)	1.4 (0.7-2.6)	1.1 (0.6-2.0)	0.9 (0.4-1.5)
4	11 (5.9-17)	6.9 (3.6-11)	4.2 (2.1-6.4)	3.2 (1.6-5.0)	2.5 (1.3-3.9)	1.9 (1.0-3.0)	1.5 (0.8-2.3)
5	17 (11-22)	12 (6.9-15)	7.1 (4.2-9.1)	5.5 (3.3-7.1)	4.3 (2.5-5.5)	3.3 (1.9-4.3)	2.5 (1.5-3.3)
6	27	19	12	9.2	7.2	5.5	4.3

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

Age = 65 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	2.1	1.3	0.8	0.6	0.4	0.3	0.3
1	3.5 (2.7-5.1)	2.2 (1.7-3.1)	1.3 (1.0-1.9)	1.0 (0.8-1.4)	0.8 (0.6-1.1)	0.6 (0.5-0.9)	0.5 (0.4-0.7)
2	5.8 (3.6-9.0)	3.7 (2.3-5.9)	2.3 (1.4-3.7)	1.7 (1.1-2.8)	1.3 (0.8-2.2)	1.0 (0.6-1.7)	0.8 (0.5-1.3)
3	9.5 (5.5-15)	6.2 (3.5-10)	3.8 (2.1-6.4)	3.0 (1.7-5.0)	2.3 (1.3-3.8)	1.8 (1.0-3.0)	1.4 (0.8-2.3)
4	15 (9.4-22)	10 (6.2-15)	6.4 (3.8-9.6)	5.0 (2.9-7.5)	3.8 (2.2-5.8)	3.0 (1.7-4.5)	2.3 (1.3-3.5)
5	23 (16-27)	16 (11-20)	11 (7.2-13)	8.2 (5.6-10)	6.4 (4.3-8.0)	4.9 (3.3-6.2)	3.8 (2.5-4.8)
6	33	25	17	13	10	8.0	6.2

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	3.5	2.3	1.4	1.1	0.8	0.6	0.5
1	6.0 (4.5-7.3)	4.0 (3.1-4.8)	2.5 (2.0-3.0)	1.9 (1.5-2.3)	1.5 (1.2-1.8)	1.1 (0.9-1.4)	0.9 (0.7-1.0)
2	10 (6.7-15)	7.0 (4.6-9.9)	4.5 (3.0-6.2)	3.5 (2.3-4.8)	2.7 (1.8-3.7)	2.1 (1.3-2.9)	1.6 (1.0-2.2)
3	16 (11-24)	12 (7.9-17)	7.9 (5.2-12)	6.1 (4.0-9.0)	4.7 (3.1-7.0)	3.6 (2.4-5.4)	2.8 (1.8-4.1)
4	25 (17-34)	19 (13-27)	13 (9.4-19)	11 (7.3-15)	8.2 (5.6-12)	6.3 (4.3-9.3)	4.9 (3.3-7.2)
5	36 (31-45)	30 (25-37)	22 (19-27)	18 (15-22)	14 (11-17)	11 (8.8-14)	8.3 (6.8-11)
6	48	43	34	28	22	18	14

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

Age = 75 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	5.8	4.0	2.6	2.0	1.5	1.2	0.9
1	10 (7.0-18)	7.6 (5.2-13)	5.1 (3.6-8.8)	3.9 (2.7-6.8)	3.0 (2.1-5.3)	2.3 (1.6-4.1)	1.8 (1.2-3.1)
2	18 (10-29)	13 (7.8-22)	9.4 (5.4-15)	7.3 (4.1-12)	5.6 (3.2-9.4)	4.3 (2.4-7.2)	3.3 (1.8-5.6)
3	27 (15-42)	22 (12-34)	16 (9.2-26)	13 (7.1-20)	10 (5.4-16)	7.8 (4.2-13)	6.0 (3.2-9.7)
4	39 (24-52)	34 (20-47)	27 (15-39)	22 (12-32)	17 (9.3-26)	14 (7.2-21)	11 (5.5-16)
5	51 (36-61)	47 (31-57)	41 (25-50)	34 (20-43)	28 (16-35)	22 (12-29)	18 (9.6-23)
6	63	60	56	49	41	34	28

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	8.6	6.4	4.3	3.3	2.5	1.9	1.5
1	15 (10-25)	11 (7.9-20)	8.0 (5.7-14)	6.2 (4.4-11)	4.8 (3.3-8.5)	3.6 (2.5-6.6)	2.8 (1.9-5.1)
2	23 (14-37)	19 (12-31)	14 (8.5-23)	11 (6.6-18)	8.5 (5.0-14)	6.5 (3.8-11)	5.0 (2.9-8.7)
3	33 (20-48)	29 (17-42)	23 (13-35)	18 (10-29)	14 (7.7-23)	11 (5.9-18)	8.7 (4.5-14)
4	45 (28-57)	41 (25-53)	35 (20-47)	28 (16-39)	23 (12-32)	18 (9.5-26)	14 (7.3-21)
5	56 (40-65)	53 (36-62)	48 (31-57)	41 (25-50)	34 (20-43)	28 (16-35)	23 (12-29)
6	67	64	61	54	47	40	33

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

Age = 85 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	11	7.9	5.5	4.2	3.2	2.5	1.9
1	18 (13-30)	14 (9.8-24)	10 (7.2-18)	7.8 (5.5-14)	6.0 (4.2-11)	4.6 (3.2-8.3)	3.5 (2.4-6.4)
2	27 (18-43)	23 (14-36)	17 (11-28)	14 (8.2-23)	11 (6.3-18)	8.2 (4.8-14)	6.3 (3.7-11)
3	39 (25-54)	34 (21-48)	27 (16-41)	22 (12-34)	18 (9.6-28)	14 (7.4-22)	11 (5.6-17)
4	51 (34-63)	46 (29-59)	40 (24-53)	34 (19-45)	27 (15-38)	22 (12-31)	17 (9.0-25)
5	62 (47-69)	59 (42-67)	54 (37-63)	47 (30-56)	40 (24-49)	33 (19-41)	27 (15-34)
6	70	69	67	60	53	46	39

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	9.7	7.4	5.3	4.0	3.1	2.3	1.8
1	16 (12-28)	13 (9.0-22)	9.6 (6.7-17)	7.4 (5.1-13)	5.7 (3.9-10)	4.3 (3.0-7.9)	3.3 (2.2-6.0)
2	26 (17-41)	21 (13-34)	16 (10-27)	13 (7.7-22)	9.9 (5.9-17)	7.6 (4.5-13)	5.9 (3.4-10)
3	37 (24-52)	32 (19-46)	26 (15-39)	21 (12-32)	16 (8.9-26)	13 (6.9-21)	10 (5.2-16)
4	49 (32-61)	44 (28-56)	38 (23-50)	32 (18-43)	26 (14-36)	21 (11-29)	16 (8.3-23)
5	60 (45-68)	57 (40-65)	52 (35-61)	45 (28-54)	38 (23-46)	31 (18-39)	25 (14-32)
6	68	68	65	58	51	44	37