

Netherlands - 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 Netherlands. 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	0.3	0.2	0.1	0.1	0.1	0.1	0.0
1	0.7 (0.4-1.3)	0.4 (0.2-0.7)	0.2 (0.1-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.2)	0.1 (0.1-0.1)
2	1.3 (0.7-2.8)	0.7 (0.4-1.5)	0.4 (0.2-0.9)	0.3 (0.2-0.7)	0.2 (0.1-0.5)	0.2 (0.1-0.4)	0.1 (0.1-0.3)
3	2.4 (1.0-4.8)	1.4 (0.6-2.7)	0.8 (0.3-1.5)	0.6 (0.2-1.2)	0.5 (0.2-0.9)	0.4 (0.1-0.7)	0.3 (0.1-0.5)
4	4.4 (1.7-7.3)	2.5 (1.0-4.1)	1.4 (0.5-2.3)	1.1 (0.4-1.8)	0.8 (0.3-1.4)	0.7 (0.3-1.1)	0.5 (0.2-0.8)
5	7.8 (3.6-10)	4.5 (2.0-6.0)	2.5 (1.1-3.4)	1.9 (0.9-2.6)	1.5 (0.7-2.0)	1.2 (0.5-1.6)	0.9 (0.4-1.2)
6	13	7.8	4.4	3.4	2.7	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 Netherlands.

Age = 55 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	0.6	0.3	0.2	0.1	0.1	0.1	0.1
1	1.1 (0.8-2.0)	0.6 (0.4-1.1)	0.4 (0.2-0.6)	0.3 (0.2-0.5)	0.2 (0.1-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
2	2.1 (1.1-4.1)	1.2 (0.7-2.4)	0.7 (0.4-1.3)	0.5 (0.3-1.0)	0.4 (0.2-0.8)	0.3 (0.2-0.6)	0.2 (0.1-0.5)
3	3.8 (1.7-7.1)	2.2 (1.0-4.1)	1.2 (0.6-2.3)	1.0 (0.4-1.8)	0.7 (0.3-1.4)	0.6 (0.3-1.1)	0.4 (0.2-0.8)
4	6.7 (3.1-11)	3.9 (1.7-6.2)	2.2 (1.0-3.5)	1.7 (0.8-2.7)	1.3 (0.6-2.1)	1.0 (0.5-1.7)	0.8 (0.4-1.3)
5	11 (6.0-15)	6.8 (3.5-8.9)	3.9 (2.0-5.2)	3.0 (1.6-4.0)	2.3 (1.2-3.1)	1.8 (0.9-2.4)	1.4 (0.7-1.9)
6	19	12	6.7	5.2	4.1	3.2	2.5

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	1.1	0.6	0.3	0.3	0.2	0.2	0.1
1	1.9 (1.4-3.0)	1.1 (0.8-1.8)	0.6 (0.5-1.0)	0.5 (0.4-0.8)	0.4 (0.3-0.6)	0.3 (0.2-0.5)	0.2 (0.2-0.4)
2	3.4 (2.0-5.9)	2.0 (1.2-3.6)	1.1 (0.7-2.1)	0.9 (0.5-1.6)	0.7 (0.4-1.2)	0.5 (0.3-1.0)	0.4 (0.2-0.7)
3	5.8 (3.0-10)	3.5 (1.8-6.2)	2.0 (1.0-3.6)	1.6 (0.8-2.8)	1.2 (0.6-2.2)	0.9 (0.5-1.7)	0.7 (0.4-1.3)
4	9.7 (5.2-15)	6.0 (3.1-9.3)	3.5 (1.8-5.5)	2.7 (1.4-4.3)	2.1 (1.1-3.3)	1.6 (0.8-2.6)	1.3 (0.6-2.0)
5	16 (9.6-20)	10 (6.1-13)	6.1 (3.6-7.8)	4.7 (2.8-6.1)	3.6 (2.2-4.7)	2.8 (1.7-3.7)	2.2 (1.3-2.8)
6	25	16	10	7.9	6.2	4.8	3.7

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

Age = 65 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	1.7	1.1	0.6	0.5	0.4	0.3	0.2
1	2.9 (2.3-4.2)	1.8 (1.4-2.6)	1.1 (0.8-1.5)	0.8 (0.6-1.2)	0.6 (0.5-0.9)	0.5 (0.4-0.7)	0.4 (0.3-0.5)
2	4.9 (3.1-7.7)	3.1 (1.9-5.0)	1.9 (1.2-3.0)	1.4 (0.9-2.3)	1.1 (0.7-1.8)	0.9 (0.5-1.4)	0.7 (0.4-1.1)
3	8.1 (4.7-13)	5.2 (2.9-8.6)	3.2 (1.8-5.3)	2.5 (1.4-4.1)	1.9 (1.1-3.2)	1.5 (0.8-2.4)	1.1 (0.6-1.9)
4	13 (8.0-19)	8.6 (5.1-13)	5.3 (3.1-8.0)	4.1 (2.4-6.2)	3.2 (1.9-4.8)	2.5 (1.4-3.7)	1.9 (1.1-2.9)
5	20 (14-24)	14 (9.4-17)	8.8 (6.0-11)	6.8 (4.6-8.6)	5.3 (3.6-6.7)	4.1 (2.8-5.2)	3.2 (2.1-4.0)
6	29	21	14	11	8.6	6.7	5.2

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	2.6	1.7	1.1	0.8	0.6	0.5	0.4
1	4.6 (3.4-5.6)	3.1 (2.3-3.7)	1.9 (1.5-2.3)	1.5 (1.1-1.8)	1.1 (0.9-1.4)	0.9 (0.7-1.0)	0.7 (0.5-0.8)
2	7.8 (5.1-11)	5.4 (3.5-7.6)	3.5 (2.3-4.8)	2.7 (1.7-3.7)	2.0 (1.3-2.9)	1.6 (1.0-2.2)	1.2 (0.8-1.7)
3	13 (8.2-19)	9.2 (6.1-13)	6.1 (4.0-9.0)	4.7 (3.1-6.9)	3.6 (2.4-5.3)	2.8 (1.8-4.1)	2.1 (1.4-3.2)
4	20 (14-28)	15 (10-22)	10 (7.2-15)	8.1 (5.6-12)	6.3 (4.3-9.2)	4.8 (3.3-7.1)	3.7 (2.5-5.5)
5	31 (26-38)	24 (20-30)	17 (15-22)	14 (11-17)	11 (8.8-14)	8.3 (6.8-11)	6.4 (5.2-8.2)
6	43	36	28	22	18	14	11

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

Age = 75 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	3.8	2.8	1.8	1.4	1.1	0.8	0.6
1	7.1 (4.7-12)	5.2 (3.5-9.2)	3.5 (2.4-6.2)	2.7 (1.9-4.8)	2.1 (1.4-3.7)	1.6 (1.1-2.8)	1.2 (0.8-2.1)
2	12 (7.0-21)	9.3 (5.3-16)	6.6 (3.7-11)	5.0 (2.8-8.5)	3.9 (2.2-6.6)	3.0 (1.6-5.0)	2.3 (1.2-3.9)
3	20 (10-32)	16 (8.4-25)	12 (6.3-18)	9.1 (4.8-14)	7.0 (3.7-11)	5.4 (2.8-8.7)	4.1 (2.1-6.7)
4	30 (17-42)	25 (14-36)	20 (11-29)	16 (8.3-23)	12 (6.3-19)	9.4 (4.8-15)	7.3 (3.7-11)
5	42 (27-52)	37 (23-47)	31 (18-39)	25 (14-33)	20 (11-26)	16 (8.5-21)	12 (6.5-17)
6	55	51	45	38	31	25	20

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	5.1	3.9	2.8	2.1	1.6	1.2	0.9
1	8.9 (6.0-16)	7.1 (4.8-13)	5.2 (3.6-9.4)	4.0 (2.7-7.2)	3.0 (2.1-5.5)	2.3 (1.6-4.2)	1.7 (1.2-3.2)
2	15 (8.7-25)	12 (7.2-21)	9.1 (5.4-16)	7.0 (4.1-12)	5.4 (3.1-9.5)	4.1 (2.4-7.3)	3.1 (1.8-5.6)
3	23 (13-34)	19 (11-29)	15 (8.3-24)	12 (6.3-19)	9.2 (4.8-15)	7.1 (3.7-12)	5.4 (2.8-9.0)
4	32 (18-44)	29 (16-39)	24 (13-33)	19 (9.9-27)	15 (7.6-22)	12 (5.8-17)	9.0 (4.4-13)
5	44 (28-53)	40 (25-49)	35 (21-44)	29 (16-37)	23 (13-30)	18 (9.8-24)	15 (7.5-19)
6	56	52	48	41	34	28	22

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

Age = 85 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	6.1	4.8	3.5	2.7	2.0	1.5	1.2
1	11 (7.1-19)	8.4 (5.7-15)	6.4 (4.4-12)	4.9 (3.3-8.9)	3.7 (2.5-6.8)	2.8 (1.9-5.2)	2.1 (1.4-4.0)
2	17 (10-29)	14 (8.5-24)	11 (6.6-19)	8.5 (5.0-15)	6.5 (3.8-12)	5.0 (2.9-8.9)	3.8 (2.2-6.8)
3	26 (15-38)	22 (13-33)	18 (10-28)	14 (7.6-22)	11 (5.8-18)	8.5 (4.4-14)	6.5 (3.4-11)
4	37 (21-48)	32 (18-43)	28 (15-38)	22 (12-31)	18 (9.0-25)	14 (6.8-20)	11 (5.2-16)
5	48 (32-57)	44 (28-53)	39 (24-48)	33 (19-41)	27 (15-34)	21 (12-28)	17 (8.8-22)
6	59	56	52	45	38	31	25

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	5.7	4.5	3.4	2.6	1.9	1.5	1.1
1	9.8 (6.7-17)	7.9 (5.3-14)	6.2 (4.2-11)	4.7 (3.1-8.6)	3.6 (2.4-6.6)	2.7 (1.8-5.0)	2.0 (1.3-3.8)
2	16 (9.7-27)	13 (7.9-23)	11 (6.2-18)	8.1 (4.7-14)	6.2 (3.6-11)	4.7 (2.7-8.5)	3.6 (2.0-6.5)
3	25 (14-37)	21 (12-32)	17 (9.5-26)	13 (7.2-21)	10 (5.5-17)	8.0 (4.2-13)	6.1 (3.1-9.9)
4	35 (20-46)	31 (17-41)	26 (14-36)	21 (11-30)	17 (8.4-24)	13 (6.4-19)	10 (4.8-15)
5	46 (31-55)	42 (27-51)	38 (23-46)	31 (18-39)	25 (14-32)	20 (11-26)	16 (8.2-21)
6	56	54	50	43	36	30	24