Denmark - 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 Denmark. 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	0.8	0.4	0.2	0.2	0.1	0.1	0.1
1	1.6 (1.0-3.1)	0.9 (0.6-1.7)	0.5 (0.3-1.0)	0.4 (0.2-0.7)	0.3 (0.2-0.6)	0.2 (0.2-0.4)	0.2 (0.1-0.3)
2	3.0 (1.5-6.1)	1.7 (0.8-3.6)	0.9 (0.5-2.0)	0.7 (0.4-1.6)	0.6 (0.3-1.2)	0.4 (0.2-0.9)	0.3 (0.2-0.7)
3	5.5 (2.3-11)	3.2 (1.3-6.2)	1.8 (0.7-3.5)	1.4 (0.6-2.7)	1.1 (0.4-2.1)	0.8 (0.3-1.6)	0.6 (0.3-1.3)
4	9.7 (4.0-16)	5.7 (2.3-9.3)	3.3 (1.3-5.3)	2.5 (1.0-4.1)	2.0 (0.8-3.2)	1.5 (0.6-2.5)	1.2 (0.5-1.9)
5	17 (7.8-21)	10 (4.6-13)	5.8 (2.6-7.7)	4.5 (2.0-6.0)	3.5 (1.6-4.7)	2.7 (1.2-3.7)	2.1 (0.9-2.8)
6	27	17	10	7.9	6.1	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 Denmark.

Age = 55 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	1.4	0.8	0.4	0.3	0.3	0.2	0.2
1	2.6 (1.8-4.7)	1.5 (1.0-2.7)	0.9 (0.6-1.5)	0.7 (0.5-1.2)	0.5 (0.4-0.9)	0.4 (0.3-0.7)	0.3 (0.2-0.5)
2	4.8 (2.6-9.0)	2.8 (1.5-5.4)	1.6 (0.9-3.1)	1.2 (0.7-2.4)	1.0 (0.5-1.9)	0.7 (0.4-1.5)	0.6 (0.3-1.1)
3	8.4 (3.9-15)	5.1 (2.3-9.4)	2.9 (1.3-5.5)	2.3 (1.0-4.2)	1.8 (0.8-3.3)	1.4 (0.6-2.6)	1.0 (0.5-2.0)
4	14 (6.9-22)	8.8 (4.1-14)	5.2 (2.3-8.2)	4.0 (1.8-6.4)	3.1 (1.4-5.0)	2.4 (1.1-3.9)	1.9 (0.8-3.0)
5	23 (13-29)	15 (8.0-19)	9.0 (4.7-12)	7.0 (3.7-9.2)	5.5 (2.8-7.2)	4.2 (2.2-5.6)	3.3 (1.7-4.3)
6	36	24	15	12	9.3	7.3	5.6

Age = 60 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	2.4	1.4	0.8	0.6	0.5	0.4	0.3
1	4.2 (3.1-6.7)	2.6 (1.9-4.1)	1.5 (1.1-2.3)	1.1 (0.8-1.8)	0.9 (0.6-1.4)	0.7 (0.5-1.1)	0.5 (0.4-0.8)
2	7.3 (4.3-12)	4.5 (2.6-7.8)	2.7 (1.5-4.7)	2.1 (1.2-3.7)	1.6 (0.9-2.8)	1.2 (0.7-2.2)	0.9 (0.5-1.7)
3	12 (6.5-20)	7.7 (4.0-13)	4.6 (2.3-8.2)	3.6 (1.8-6.4)	2.8 (1.4-4.9)	2.2 (1.1-3.8)	1.7 (0.8-3.0)
4	20 (11-29)	13 (6.9-20)	8.0 (4.1-12)	6.2 (3.2-9.5)	4.8 (2.5-7.4)	3.7 (1.9-5.8)	2.9 (1.5-4.5)
5	30 (19-36)	21 (13-26)	13 (8.1-17)	10 (6.3-13)	8.1 (4.9-10)	6.3 (3.8-8.1)	4.9 (2.9-6.3)
6	43	32	21	17	13	10	8.2

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

Age = 65 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	3.8	2.4	1.4	1.1	0.8	0.6	0.5
1	6.3 (4.9-9.1)	4.1 (3.1-5.8)	2.5 (1.9-3.5)	1.9 (1.4-2.7)	1.5 (1.1-2.1)	1.1 (0.8-1.6)	0.9 (0.7-1.2)
2	10 (6.5-16)	6.8 (4.3-11)	4.2 (2.6-6.8)	3.2 (2.0-5.2)	2.5 (1.6-4.0)	1.9 (1.2-3.1)	1.5 (0.9-2.4)
3	16 (9.7-25)	11 (6.4-18)	7.1 (4.0-12)	5.5 (3.1-9.0)	4.2 (2.4-7.0)	3.3 (1.8-5.4)	2.5 (1.4-4.2)
4	25 (16-34)	18 (11-25)	12 (6.9-17)	9.0 (5.4-13)	7.0 (4.2-10)	5.4 (3.2-8.1)	4.2 (2.5-6.3)
5	35 (26-41)	27 (19-32)	18 (13-23)	15 (10-18)	11 (7.8-14)	8.9 (6.0-11)	6.9 (4.6-8.6)
6	47	39	28	23	18	14	11

Age = 70 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	5.7	3.9	2.4	1.9	1.4	1.1	0.8
1	9.7 (7.2-12)	6.8 (5.1-8.1)	4.4 (3.4-5.2)	3.4 (2.6-4.0)	2.6 (2.0-3.1)	2.0 (1.5-2.4)	1.5 (1.2-1.8)
2	16 (11-23)	12 (7.7-16)	7.7 (5.1-11)	5.9 (3.9-8.3)	4.6 (3.0-6.4)	3.5 (2.3-4.9)	2.7 (1.8-3.8)
3	25 (16-35)	19 (13-26)	13 (8.8-19)	10 (6.8-15)	7.9 (5.2-12)	6.1 (4.0-9.0)	4.7 (3.1-6.9)
4	36 (25-46)	29 (21-39)	22 (15-30)	17 (12-24)	13 (9.2-19)	10 (7.1-15)	8.1 (5.4-12)
5	48 (42-56)	42 (36-50)	33 (29-41)	27 (23-34)	22 (18-27)	17 (14-22)	13 (11-17)
6	60	55	48	40	33	27	22

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

Age = 75 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	8.2	6.1	4.1	3.1	2.4	1.8	1.4
1	14 (9.8-24)	11 (7.6-19)	7.8 (5.4-13)	6.0 (4.2-10)	4.6 (3.2-8.1)	3.5 (2.4-6.3)	2.7 (1.8-4.8)
2	23 (14-37)	19 (11-31)	14 (8.1-23)	11 (6.2-18)	8.4 (4.8-14)	6.5 (3.7-11)	5.0 (2.8-8.5)
3	34 (20-51)	30 (17-45)	23 (13-35)	19 (10-29)	15 (7.9-23)	11 (6.0-18)	8.9 (4.6-14)
4	47 (31-61)	42 (26-56)	36 (22-50)	30 (17-42)	24 (13-35)	19 (10-28)	15 (7.9-23)
5	59 (44-68)	56 (40-65)	51 (34-60)	43 (28-53)	36 (22-46)	30 (17-38)	24 (14-32)
6	70	68	64	58	50	43	36

Age = 80 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	11	8.5	6.2	4.7	3.6	2.7	2.1
1	18 (12-30)	15 (10-25)	11 (7.8-19)	8.5 (6.0-15)	6.6 (4.5-12)	5.0 (3.4-9.1)	3.8 (2.6-7.0)
2	27 (17-42)	23 (15-37)	18 (12-30)	15 (8.9-24)	11 (6.8-19)	8.8 (5.2-15)	6.7 (3.9-12)
3	38 (24-53)	34 (21-48)	29 (17-42)	23 (13-35)	18 (10-29)	15 (7.9-23)	11 (6.0-18)
4	50 (33-62)	46 (29-58)	41 (25-53)	34 (20-46)	28 (15-39)	23 (12-32)	18 (9.2-26)
5	61 (45-68)	58 (41-66)	54 (37-63)	47 (30-56)	40 (25-49)	33 (19-42)	27 (15-35)
6	70	68	66	59	53	45	38

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

Age = 85 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	13	10	8.0	6.1	4.6	3.5	2.7
1	20 (15-33)	17 (12-29)	14 (9.7-24)	11 (7.4-19)	8.3 (5.6-15)	6.3 (4.3-11)	4.8 (3.2-8.8)
2	30 (20-47)	26 (17-42)	22 (14-36)	18 (11-30)	14 (8.4-24)	11 (6.4-19)	8.3 (4.9-15)
3	42 (28-57)	38 (24-53)	33 (20-47)	27 (16-40)	22 (12-33)	17 (9.6-27)	14 (7.3-21)
4	53 (37-65)	50 (33-62)	45 (28-58)	39 (23-50)	32 (18-43)	26 (14-36)	21 (11-30)
5	63 (50-70)	61 (46-69)	58 (41-66)	51 (34-60)	44 (28-53)	37 (23-46)	31 (18-39)
6	69	70	69	63	57	50	43

Age = 90 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	14	11	8.8	6.7	5.1	3.9	2.9
1	22 (15-35)	18 (13-31)	15 (10-26)	12 (8.0-20)	9.0 (6.1-16)	6.9 (4.6-12)	5.2 (3.5-9.6)
2	32 (21-48)	28 (18-44)	24 (15-38)	19 (12-31)	15 (9.1-25)	12 (6.9-20)	9.0 (5.2-16)
3	43 (29-58)	39 (25-54)	35 (22-49)	29 (17-42)	23 (13-35)	19 (10-28)	15 (7.8-23)
4	53 (38-65)	51 (34-63)	47 (30-59)	40 (24-52)	34 (19-45)	28 (15-38)	22 (12-31)
5	61 (50-67)	61 (47-68)	59 (43-67)	52 (36-61)	46 (30-55)	39 (24-48)	33 (19-41)
6	64	68	68	63	58	51	44