

**Denmark - The probabilities of a major osteoporotic fracture in men**

The following tables give the 10-year probability (%) of a major osteoporotic fracture (hip, clinical spine, forearm or proximal humerus fracture) according to body mass index (BMI kg/m<sup>2</sup>), 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/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	4.0	3.9	3.8	3.3	2.9	2.5	2.2
1	6.4 (4.4-9.5)	6.0 (4.1-8.5)	5.8 (3.9-8.0)	5.1 (3.4-7.0)	4.5 (3.0-6.1)	3.9 (2.6-5.3)	3.4 (2.3-4.7)
2	10 (5.5-17)	9.3 (5.0-16)	8.9 (4.7-15)	7.8 (4.1-13)	6.8 (3.6-12)	5.9 (3.1-10)	5.2 (2.7-9.1)
3	15 (7.9-26)	14 (7.0-24)	13 (6.5-24)	12 (5.6-21)	10 (4.9-18)	8.9 (4.2-16)	7.7 (3.7-14)
4	23 (13-35)	21 (11-32)	19 (10-31)	17 (9.1-27)	15 (7.8-24)	13 (6.8-21)	11 (5.9-19)
5	33 (21-42)	30 (20-38)	28 (19-36)	24 (17-32)	21 (15-28)	19 (13-25)	16 (11-22)
6	46	41	38	34	30	26	23

Ten year probability of osteoporotic 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/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	5.3	4.9	4.8	4.2	3.6	3.2	2.8
1	8.3 (5.7-12)	7.7 (5.3-11)	7.4 (5.0-10)	6.4 (4.3-8.6)	5.6 (3.8-7.5)	4.9 (3.3-6.5)	4.2 (2.8-5.7)
2	13 (7.4-20)	12 (6.6-19)	11 (6.1-19)	9.7 (5.3-16)	8.4 (4.6-14)	7.3 (4.0-13)	6.4 (3.4-11)
3	19 (11-30)	17 (9.3-29)	16 (8.4-28)	14 (7.3-25)	12 (6.3-22)	11 (5.4-19)	9.5 (4.7-17)
4	28 (18-41)	25 (15-38)	24 (14-36)	21 (12-32)	18 (10-29)	16 (8.6-25)	14 (7.4-22)
5	40 (27-49)	36 (25-45)	33 (24-43)	29 (21-38)	26 (18-34)	22 (16-30)	20 (14-26)
6	53	49	45	40	35	31	27

**Age = 60 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	6.7	6.2	5.9	5.1	4.5	3.9	3.3
1	10 (7.3-15)	9.5 (6.6-13)	9.0 (6.2-12)	7.8 (5.4-10)	6.8 (4.6-9.0)	5.9 (4.0-7.8)	5.1 (3.4-6.7)
2	16 (9.6-24)	14 (8.4-22)	13 (7.7-22)	12 (6.6-19)	10 (5.7-17)	8.8 (4.9-15)	7.6 (4.2-13)
3	23 (14-34)	21 (12-33)	20 (11-32)	17 (9.2-28)	15 (7.9-25)	13 (6.8-22)	11 (5.8-19)
4	33 (22-45)	30 (19-43)	28 (17-41)	24 (15-37)	21 (12-33)	18 (11-29)	16 (9.0-25)
5	44 (32-54)	41 (30-51)	38 (29-48)	34 (25-43)	30 (22-38)	26 (19-34)	22 (16-30)
6	57	54	51	45	40	35	31

Ten year probability of osteoporotic 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/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	8.1	7.4	7.0	6.0	5.2	4.4	3.8
1	12 (9.0-17)	11 (8.0-15)	11 (7.4-14)	9.1 (6.3-12)	7.8 (5.4-10)	6.7 (4.6-8.7)	5.7 (3.9-7.5)
2	18 (12-26)	17 (10-25)	16 (9.3-24)	13 (7.9-21)	11 (6.7-18)	9.9 (5.7-16)	8.5 (4.8-14)
3	26 (18-36)	24 (15-35)	22 (13-35)	19 (11-30)	17 (9.5-27)	14 (8.0-23)	12 (6.8-20)
4	36 (26-47)	33 (23-46)	31 (21-45)	27 (18-40)	23 (15-35)	20 (12-31)	17 (10-27)
5	47 (36-56)	44 (34-54)	42 (33-52)	37 (28-47)	32 (24-41)	28 (21-36)	24 (18-32)
6	57	56	54	48	43	37	33

**Age = 70 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	9.8	8.9	8.4	7.1	6.0	5.1	4.4
1	15 (11-18)	13 (9.7-17)	12 (8.9-16)	10 (7.5-13)	8.7 (6.3-11)	7.4 (5.3-9.7)	6.3 (4.4-8.2)
2	22 (15-31)	19 (13-27)	18 (11-25)	15 (9.6-21)	13 (8.0-18)	11 (6.7-15)	9.0 (5.6-13)
3	31 (20-43)	28 (19-38)	25 (17-36)	21 (14-31)	18 (12-26)	15 (9.7-22)	13 (8.1-19)
4	41 (30-53)	38 (27-50)	35 (25-47)	30 (21-41)	25 (17-36)	21 (14-31)	18 (12-26)
5	52 (46-61)	50 (43-59)	47 (40-56)	41 (34-50)	35 (28-44)	30 (24-38)	25 (20-32)
6	63	61	59	53	46	40	34

Ten year probability of osteoporotic 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/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	12	11	11	8.9	7.5	6.3	5.3
1	19 (13-27)	17 (12-23)	16 (11-20)	13 (9.3-16)	11 (7.7-13)	9.0 (6.4-11)	7.5 (5.3-9.4)
2	27 (17-41)	25 (16-37)	23 (15-32)	19 (12-27)	16 (10-22)	13 (8.3-18)	11 (6.8-15)
3	38 (23-54)	36 (22-50)	32 (21-45)	27 (17-38)	23 (14-32)	19 (12-27)	16 (9.6-22)
4	50 (34-63)	47 (32-60)	44 (30-57)	38 (25-50)	32 (21-44)	27 (17-37)	22 (14-31)
5	61 (48-69)	59 (46-68)	57 (45-66)	50 (39-60)	43 (33-53)	37 (28-46)	31 (23-40)
6	71	69	68	62	55	49	42

**Age = 80 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	14	13	13	11	8.8	7.3	6.0
1	21 (15-32)	20 (14-29)	19 (14-25)	15 (11-20)	13 (9.0-17)	10 (7.4-13)	8.6 (6.0-11)
2	30 (20-44)	28 (19-41)	27 (18-36)	22 (15-30)	18 (12-25)	15 (9.7-21)	12 (7.9-17)
3	41 (27-55)	39 (25-52)	36 (24-49)	31 (20-42)	26 (16-36)	21 (13-30)	18 (11-25)
4	52 (36-64)	49 (35-61)	47 (34-59)	41 (29-52)	35 (24-46)	29 (19-39)	24 (16-33)
5	62 (48-69)	60 (47-68)	58 (46-67)	52 (40-61)	46 (34-55)	39 (29-48)	33 (24-42)
6	70	69	68	63	56	50	43

Ten year probability of osteoporotic 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/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	15	15	14	12	9.4	7.7	6.3
1	23 (17-35)	22 (15-32)	21 (15-29)	17 (12-23)	14 (9.6-19)	11 (7.8-15)	9.1 (6.3-12)
2	33 (22-48)	31 (21-44)	29 (20-41)	24 (16-34)	20 (13-28)	16 (10-23)	13 (8.3-19)
3	44 (30-58)	41 (27-55)	39 (26-53)	33 (21-46)	28 (17-39)	23 (14-33)	19 (11-28)
4	55 (40-66)	52 (37-64)	50 (36-62)	44 (30-55)	37 (25-49)	32 (21-42)	26 (17-35)
5	64 (52-70)	63 (49-70)	61 (48-69)	55 (41-63)	48 (35-57)	42 (30-51)	36 (25-44)
6	69	71	70	65	59	53	46

**Age = 90 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	16	15	14	12	9.3	7.6	6.1
1	24 (17-36)	22 (16-33)	21 (15-30)	17 (12-24)	14 (9.5-20)	11 (7.6-16)	9.0 (6.1-13)
2	34 (23-49)	31 (21-45)	29 (20-42)	24 (16-35)	20 (13-29)	16 (10-24)	13 (8.1-19)
3	44 (30-59)	42 (28-56)	40 (26-53)	34 (21-47)	28 (17-40)	23 (14-34)	19 (11-28)
4	54 (40-66)	53 (38-64)	51 (36-62)	44 (30-56)	38 (25-49)	32 (21-43)	27 (17-36)
5	62 (51-67)	62 (50-69)	61 (48-69)	55 (42-63)	49 (35-58)	42 (30-51)	36 (25-45)
6	63	68	69	65	59	53	47