

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

The following tables give the 10-year probability (%) of a major osteoporotic fracture (hip, clinical spine, forearm or proximal humerus fracture) according to the T-score for femoral neck BMD, 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.

Note that the BMI is set at 24 kg/m<sup>2</sup>.

**Age = 50 years**

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	27	18	12	9.1	7.1	5.9	5.0	4.6	4.3	4.1	4.0
1	39 (35-47)	26 (23-33)	18 (16-23)	14 (11-17)	11 (7.9-13)	8.8 (6.2-11)	7.5 (5.1-10)	6.8 (4.5-9.3)	6.5 (4.2-8.9)	6.2 (4.0-8.6)	5.9 (3.8-8.3)
2	53 (44-68)	38 (31-50)	27 (21-37)	20 (14-28)	16 (10-24)	13 (7.7-21)	11 (6.2-18)	10 (5.4-17)	9.4 (5.0-16)	9.0 (4.7-15)	8.7 (4.5-15)
3	69 (55-82)	51 (40-63)	38 (28-51)	29 (19-42)	22 (13-36)	18 (10-31)	16 (8.0-28)	14 (7.0-26)	14 (6.4-25)	13 (6.1-24)	12 (5.8-23)
4	82 (68-91)	66 (50-76)	51 (37-62)	39 (27-52)	31 (22-44)	26 (16-39)	22 (13-35)	20 (11-32)	19 (10-31)	18 (9.8-30)	17 (9.3-29)
5	91 (86-95)	80 (70-85)	65 (55-71)	52 (42-60)	42 (34-51)	35 (28-45)	30 (24-40)	27 (20-37)	26 (19-35)	25 (18-34)	24 (17-33)
6	96	90	79	66	55	46	40	36	35	33	32

Ten year probability of osteoporotic fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in women from Denmark.

**Age = 55 years**

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	30	21	15	12	9.3	7.7	6.5	6.0	5.6	5.3	5.0
1	43 (39-50)	31 (28-36)	23 (19-27)	17 (14-21)	14 (10-17)	11 (8.1-15)	9.6 (6.6-13)	8.8 (5.9-12)	8.2 (5.4-11)	7.8 (5.1-11)	7.4 (4.8-10)
2	57 (49-70)	43 (36-55)	32 (25-42)	25 (18-34)	20 (13-29)	16 (10-25)	14 (8.0-22)	13 (7.1-21)	12 (6.5-20)	11 (6.0-19)	11 (5.7-18)
3	72 (60-82)	57 (46-69)	44 (33-58)	34 (23-50)	28 (17-43)	23 (13-38)	20 (10-34)	18 (9.2-32)	17 (8.3-30)	16 (7.7-29)	15 (7.3-28)
4	84 (72-90)	71 (57-79)	57 (44-69)	46 (34-60)	38 (27-52)	32 (21-46)	27 (17-41)	25 (15-39)	23 (13-37)	22 (12-36)	21 (12-34)
5	92 (88-94)	83 (76-86)	71 (62-77)	59 (50-68)	49 (41-59)	42 (34-53)	36 (29-47)	33 (25-44)	31 (23-42)	30 (21-40)	28 (20-39)
6	95	91	83	72	62	54	47	44	41	39	37

**Age = 60 years**

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	35	25	19	15	12	9.5	8.2	7.5	6.9	6.4	6.0
1	47 (44-53)	36 (32-40)	27 (23-31)	21 (17-25)	17 (13-21)	14 (10-18)	12 (8.3-16)	11 (7.4-15)	10 (6.7-14)	9.4 (6.2-13)	8.8 (5.8-12)
2	61 (54-72)	48 (41-59)	37 (30-47)	30 (21-40)	24 (16-34)	20 (12-29)	17 (10-26)	16 (8.9-25)	14 (8.0-23)	13 (7.3-22)	13 (6.8-21)
3	75 (65-83)	62 (52-74)	50 (38-65)	40 (28-56)	33 (21-49)	27 (16-43)	24 (13-39)	22 (11-37)	20 (10-35)	19 (9.4-33)	18 (8.7-31)
4	85 (76-89)	75 (63-82)	63 (50-74)	52 (40-66)	43 (33-59)	36 (25-52)	32 (21-47)	29 (18-45)	27 (16-42)	26 (15-40)	24 (14-38)
5	91 (89-93)	85 (80-88)	75 (68-81)	65 (57-73)	55 (48-66)	47 (40-59)	42 (34-54)	39 (30-50)	36 (27-48)	34 (25-46)	32 (23-43)
6	94	91	85	77	68	60	53	50	47	44	42

Ten year probability of osteoporotic fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in women from Denmark.

**Age = 65 years**

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	38	29	22	17	14	11	9.6	8.6	7.9	7.2	6.6
1	51 (48-56)	40 (35-44)	31 (26-35)	24 (19-29)	19 (15-24)	16 (12-20)	14 (9.8-18)	12 (8.6-17)	11 (7.7-16)	10 (7.0-15)	9.6 (6.4-14)
2	64 (58-73)	52 (45-61)	42 (34-51)	33 (25-44)	27 (19-37)	22 (14-32)	20 (12-29)	18 (10-27)	16 (9.2-25)	15 (8.3-24)	14 (7.5-22)
3	76 (69-84)	65 (56-76)	54 (43-68)	44 (32-60)	36 (24-53)	30 (19-46)	27 (16-43)	24 (13-40)	22 (12-37)	20 (11-35)	19 (9.7-33)
4	85 (78-89)	77 (67-84)	66 (55-77)	56 (45-69)	47 (37-62)	40 (29-55)	36 (24-51)	32 (21-48)	30 (19-45)	28 (17-43)	26 (15-40)
5	90 (88-92)	85 (82-89)	77 (72-83)	68 (62-76)	59 (53-69)	51 (44-62)	46 (37-58)	42 (33-54)	39 (29-51)	36 (27-48)	34 (24-45)
6	93	90	85	79	71	62	57	53	49	46	44

**Age = 70 years**

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	43	33	26	20	16	13	11	10	9.0	8.1	7.4
1	56 (51-63)	45 (39-51)	35 (30-41)	28 (23-32)	22 (17-25)	18 (14-21)	16 (12-18)	14 (10-16)	12 (8.8-14)	11 (7.9-13)	10 (7.1-12)
2	70 (62-78)	58 (49-68)	47 (38-57)	37 (29-47)	30 (22-38)	25 (17-32)	21 (14-28)	19 (12-25)	17 (11-22)	15 (9.4-20)	13 (8.4-18)
3	81 (73-87)	71 (60-81)	60 (48-72)	49 (37-63)	40 (28-53)	33 (22-46)	28 (19-40)	25 (16-36)	22 (14-33)	20 (12-30)	18 (11-27)
4	87 (83-90)	81 (74-87)	72 (63-80)	62 (51-72)	51 (41-63)	43 (33-55)	37 (28-49)	32 (24-44)	29 (21-40)	26 (19-37)	23 (17-34)
5	90 (88-92)	88 (84-90)	82 (77-86)	74 (67-80)	64 (57-71)	54 (48-63)	47 (41-56)	42 (36-51)	37 (32-46)	33 (28-42)	30 (25-39)
6	92	90	88	83	75	67	59	52	47	42	38

Ten year probability of osteoporotic fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in women from Denmark.

**Age = 75 years**

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	48	38	30	24	19	16	14	12	11	9.6	8.6
1	62 (54-78)	52 (44-68)	42 (34-56)	34 (27-45)	27 (21-35)	22 (17-28)	19 (14-22)	16 (12-19)	14 (11-17)	13 (9.3-15)	11 (8.2-13)
2	74 (64-85)	65 (53-80)	55 (43-71)	45 (34-61)	37 (26-49)	30 (21-41)	26 (18-34)	22 (15-28)	19 (13-25)	16 (11-22)	14 (9.8-20)
3	82 (73-89)	76 (63-85)	68 (53-80)	59 (42-72)	49 (33-62)	41 (27-54)	34 (23-46)	29 (19-39)	25 (17-34)	22 (14-29)	19 (13-26)
4	87 (81-91)	84 (74-89)	78 (65-85)	71 (55-80)	62 (45-72)	53 (38-63)	45 (33-55)	38 (28-48)	33 (25-42)	28 (22-36)	24 (19-32)
5	89 (85-91)	88 (81-90)	85 (76-89)	80 (68-85)	74 (59-79)	66 (52-72)	58 (46-65)	49 (40-57)	42 (35-49)	36 (32-43)	31 (27-38)
6	90	90	89	86	82	77	70	62	54	46	40

**Age = 80 years**

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	49	41	33	27	22	19	16	14	12	11	9.4
1	61 (53-76)	53 (44-68)	44 (36-59)	36 (29-49)	30 (23-40)	25 (19-33)	22 (16-27)	19 (14-22)	16 (12-18)	14 (10-16)	12 (8.9-14)
2	71 (62-82)	64 (53-77)	56 (44-71)	47 (36-62)	40 (29-53)	34 (24-46)	29 (20-39)	25 (17-33)	21 (15-27)	18 (13-23)	16 (11-21)
3	79 (70-86)	73 (63-82)	67 (54-78)	59 (45-71)	51 (37-63)	44 (31-56)	38 (26-49)	33 (22-43)	28 (19-37)	24 (16-32)	21 (14-28)
4	84 (76-88)	80 (71-86)	76 (63-82)	70 (55-78)	63 (47-72)	56 (41-65)	49 (35-58)	42 (30-51)	36 (26-45)	31 (23-39)	27 (20-34)
5	86 (81-88)	85 (77-88)	82 (72-86)	78 (66-82)	72 (59-78)	67 (53-73)	60 (47-67)	53 (41-60)	46 (37-53)	40 (32-47)	34 (29-41)
6	87	87	86	83	80	76	70	64	57	50	43

Ten year probability of osteoporotic fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in women from Denmark.

**Age = 85 years**

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	46	39	32	27	23	19	17	14	12	11	9.4
1	57 (48-71)	50 (41-65)	42 (34-57)	36 (28-48)	31 (23-41)	26 (20-35)	23 (17-29)	19 (14-25)	17 (12-21)	14 (10-17)	12 (8.9-14)
2	66 (56-78)	60 (49-73)	53 (42-67)	46 (35-59)	40 (29-53)	35 (25-47)	30 (21-40)	26 (18-35)	22 (15-29)	19 (13-25)	16 (11-21)
3	74 (64-82)	69 (58-79)	63 (50-74)	56 (43-68)	50 (37-62)	45 (32-56)	39 (27-50)	34 (23-44)	29 (20-38)	25 (17-33)	21 (14-29)
4	80 (71-85)	76 (66-83)	72 (59-79)	66 (52-75)	61 (46-70)	55 (41-64)	49 (36-59)	43 (31-53)	38 (27-47)	33 (23-41)	28 (20-36)
5	83 (76-85)	81 (72-85)	78 (67-83)	74 (61-79)	70 (56-76)	65 (51-72)	60 (45-67)	54 (40-61)	48 (36-55)	42 (32-49)	36 (28-43)
6	83	84	83	80	77	74	69	64	58	52	46

**Age = 90 years**

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	40	34	29	24	21	18	16	14	12	10	8.9
1	50 (40-64)	44 (35-58)	37 (29-51)	32 (24-45)	28 (21-39)	25 (18-34)	21 (16-29)	19 (13-25)	16 (11-21)	14 (9.8-18)	12 (8.4-15)
2	59 (48-71)	53 (42-66)	47 (36-60)	41 (31-54)	37 (27-49)	33 (23-44)	29 (20-39)	25 (17-34)	22 (15-29)	19 (12-25)	16 (11-21)
3	67 (56-77)	62 (50-73)	57 (44-68)	51 (38-63)	46 (34-58)	42 (29-53)	37 (25-47)	33 (22-42)	29 (19-37)	25 (16-33)	21 (14-29)
4	74 (64-80)	70 (58-78)	66 (52-74)	61 (47-70)	56 (42-66)	52 (37-61)	47 (33-56)	42 (29-51)	37 (25-46)	32 (22-41)	28 (19-36)
5	78 (70-81)	76 (65-80)	73 (60-78)	69 (55-75)	66 (50-72)	61 (46-68)	57 (41-64)	52 (37-59)	47 (33-54)	42 (29-49)	37 (26-44)
6	79	79	78	76	73	70	66	62	57	52	46