

**Belgium - 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 Belgium. 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	18	11	7.3	5.1	3.9	3.1	2.6	2.3	2.2	2.1	2.0
1	27 (23-33)	17 (15-21)	11 (9.8-14)	7.9 (6.4-9.9)	5.9 (4.5-7.4)	4.7 (3.4-6.0)	3.9 (2.7-5.2)	3.5 (2.3-4.8)	3.3 (2.2-4.6)	3.1 (2.0-4.4)	3.0 (1.9-4.2)
2	39 (30-52)	25 (20-35)	17 (13-24)	12 (8.6-17)	8.9 (5.8-13)	7.0 (4.2-11)	5.8 (3.3-9.6)	5.2 (2.8-8.8)	4.9 (2.6-8.4)	4.7 (2.4-8.1)	4.5 (2.3-7.8)
3	53 (39-69)	36 (26-48)	25 (18-33)	17 (12-26)	13 (7.8-21)	10 (5.6-18)	8.5 (4.3-15)	7.6 (3.7-14)	7.1 (3.3-13)	6.8 (3.1-13)	6.5 (3.0-12)
4	68 (52-81)	50 (35-61)	35 (24-42)	25 (17-33)	19 (12-27)	15 (9.5-23)	12 (7.2-19)	11 (6.1-18)	10 (5.5-17)	9.6 (5.1-16)	9.2 (4.8-16)
5	82 (73-90)	64 (54-73)	47 (38-53)	35 (27-40)	26 (20-32)	21 (16-27)	17 (13-23)	15 (11-21)	14 (10-20)	13 (9.4-19)	13 (8.8-18)
6	92	79	62	47	36	28	23	21	19	18	18

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

**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	18	12	8.4	6.1	4.7	3.7	3.1	2.8	2.6	2.5	2.3
1	27 (24-32)	18 (16-22)	13 (11-15)	9.2 (7.4-11)	7.0 (5.3-8.5)	5.6 (4.1-7.2)	4.6 (3.2-6.2)	4.2 (2.8-5.7)	3.9 (2.6-5.4)	3.7 (2.4-5.1)	3.5 (2.3-4.9)
2	39 (31-50)	27 (22-36)	19 (15-25)	14 (9.9-18)	10 (6.9-15)	8.3 (5.1-13)	6.8 (4.0-11)	6.2 (3.4-10)	5.7 (3.1-9.6)	5.4 (2.9-9.1)	5.1 (2.7-8.7)
3	53 (40-66)	37 (29-47)	27 (20-36)	20 (13-29)	15 (9.2-24)	12 (6.8-20)	9.9 (5.2-17)	9.0 (4.5-16)	8.3 (4.0-15)	7.8 (3.7-15)	7.3 (3.4-14)
4	67 (53-78)	51 (37-60)	37 (26-45)	28 (19-36)	21 (15-30)	17 (11-26)	14 (8.7-22)	13 (7.4-21)	12 (6.6-19)	11 (6.0-18)	10 (5.6-18)
5	81 (73-87)	65 (56-72)	50 (41-54)	38 (31-44)	29 (24-36)	24 (19-30)	19 (15-26)	18 (13-24)	16 (12-23)	15 (11-21)	14 (9.9-20)
6	91	79	64	50	39	32	27	24	22	21	20

**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	20	14	10	7.7	6.0	4.9	4.2	3.8	3.5	3.2	3.0
1	29 (26-33)	21 (18-24)	15 (13-17)	11 (9.0-14)	8.9 (6.7-11)	7.2 (5.2-9.4)	6.2 (4.3-8.3)	5.6 (3.8-7.7)	5.2 (3.4-7.2)	4.8 (3.1-6.7)	4.5 (2.9-6.3)
2	40 (34-50)	29 (24-37)	22 (17-28)	16 (12-23)	13 (8.6-19)	11 (6.5-16)	9.0 (5.3-14)	8.1 (4.6-13)	7.5 (4.1-12)	7.0 (3.7-12)	6.5 (3.4-11)
3	54 (44-63)	40 (32-51)	30 (22-42)	23 (16-35)	18 (11-29)	15 (8.5-25)	13 (6.9-22)	12 (6.0-21)	11 (5.3-19)	9.9 (4.8-18)	9.3 (4.4-17)
4	68 (55-76)	53 (41-61)	41 (31-51)	32 (23-43)	26 (18-36)	21 (14-31)	18 (11-28)	16 (9.7-26)	15 (8.6-24)	14 (7.8-23)	13 (7.2-21)
5	80 (74-85)	67 (60-71)	54 (47-60)	43 (36-50)	34 (29-43)	28 (23-36)	24 (19-32)	22 (16-30)	20 (15-28)	19 (13-26)	18 (12-25)
6	89	79	67	55	45	38	33	30	27	25	24

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

**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	23	17	13	9.8	7.8	6.3	5.5	5.0	4.5	4.1	3.8	
1	32 (30-36)	24 (21-27)	18 (15-21)	14 (11-17)	11 (8.5-14)	9.2 (6.6-12)	8.1 (5.6-11)	7.3 (4.9-10)	6.6 (4.4-9.2)	6.1 (4.0-8.5)	5.6 (3.7-7.9)	
2	44 (38-53)	33 (27-41)	26 (20-33)	20 (14-28)	16 (11-23)	13 (8.2-20)	12 (6.9-18)	10 (6.0-16)	9.5 (5.3-15)	8.7 (4.8-14)	8.0 (4.3-13)	
3	57 (48-67)	45 (36-57)	35 (26-48)	28 (19-41)	22 (14-35)	18 (11-30)	16 (9.0-27)	15 (7.8-25)	13 (6.9-23)	12 (6.2-22)	11 (5.6-20)	
4	70 (59-76)	57 (46-67)	46 (36-58)	37 (29-50)	30 (23-43)	25 (17-37)	22 (14-34)	20 (12-31)	18 (11-29)	17 (9.8-27)	16 (8.9-26)	
5	81 (76-84)	70 (64-75)	58 (53-66)	48 (43-57)	40 (35-49)	33 (28-43)	30 (23-39)	27 (20-36)	25 (18-34)	23 (16-31)	21 (15-29)	
6	88	80	71	60	51	43	39	35	33	30	28	

**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	28	21	16	12	9.8	8.0	7.0	6.2	5.5	5.0	4.5	
1	39 (35-45)	30 (25-35)	23 (19-26)	18 (14-20)	14 (11-16)	11 (8.5-13)	9.7 (7.2-11)	8.5 (6.2-10)	7.6 (5.4-9.0)	6.8 (4.8-8.1)	6.2 (4.3-7.4)	
2	52 (44-63)	41 (33-51)	32 (24-40)	24 (18-32)	19 (14-25)	16 (11-20)	13 (8.9-18)	12 (7.6-16)	10 (6.6-14)	9.3 (5.8-13)	8.4 (5.2-12)	
3	66 (55-77)	54 (42-66)	43 (32-55)	33 (24-45)	26 (18-37)	21 (14-31)	18 (12-27)	16 (9.8-24)	14 (8.5-22)	12 (7.5-19)	11 (6.7-18)	
4	78 (70-84)	68 (57-76)	56 (45-65)	45 (35-55)	35 (27-46)	29 (22-38)	24 (18-34)	21 (15-30)	19 (13-27)	17 (12-25)	15 (10-22)	
5	86 (82-89)	79 (73-83)	69 (62-75)	58 (50-64)	47 (40-54)	38 (33-46)	33 (28-40)	28 (24-35)	25 (21-32)	22 (18-29)	20 (16-26)	
6	90	87	80	71	59	50	42	37	32	28	25	

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

**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	33	25	20	15	12	9.8	8.4	7.3	6.4	5.6	5.0
1	47 (40-66)	37 (30-53)	29 (23-41)	22 (17-31)	17 (13-23)	14 (11-18)	12 (8.8-14)	9.9 (7.4-11)	8.6 (6.3-10)	7.5 (5.5-8.8)	6.6 (4.8-7.9)
2	62 (50-79)	51 (39-69)	41 (30-57)	32 (22-45)	24 (17-35)	20 (13-28)	16 (11-22)	14 (9.2-18)	12 (7.8-15)	9.9 (6.7-14)	8.7 (5.8-12)
3	74 (61-85)	65 (49-79)	55 (38-69)	44 (29-58)	35 (22-47)	28 (18-38)	23 (14-31)	19 (12-26)	16 (10-22)	13 (8.7-18)	11 (7.5-16)
4	83 (72-89)	77 (61-85)	69 (50-78)	58 (40-69)	47 (31-57)	39 (26-48)	31 (21-40)	26 (18-33)	21 (15-28)	18 (13-24)	15 (12-20)
5	88 (81-91)	85 (74-88)	80 (65-84)	72 (55-77)	61 (45-67)	52 (38-58)	43 (32-49)	35 (27-41)	29 (23-34)	24 (20-29)	20 (17-25)
6	90	89	86	82	75	66	56	47	39	32	26

**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	35	28	22	17	13	11	9.1	7.6	6.5	5.6	4.8
1	49 (42-68)	40 (33-58)	31 (25-47)	24 (19-36)	19 (15-28)	16 (12-22)	13 (9.8-17)	11 (8.1-14)	9.0 (6.7-11)	7.6 (5.6-8.9)	6.5 (4.8-7.5)
2	62 (51-77)	53 (41-70)	43 (33-61)	35 (25-51)	28 (20-41)	23 (16-33)	18 (13-27)	15 (10-21)	13 (8.5-17)	10 (7.0-14)	8.8 (5.9-12)
3	73 (60-83)	65 (51-78)	57 (42-71)	47 (33-62)	39 (26-52)	32 (21-43)	26 (17-35)	21 (14-29)	17 (11-24)	14 (9.2-20)	12 (7.8-16)
4	80 (70-86)	75 (61-83)	68 (51-78)	60 (42-71)	51 (34-61)	43 (28-52)	36 (23-44)	30 (19-37)	24 (16-31)	20 (13-25)	16 (11-21)
5	85 (77-88)	82 (71-86)	78 (63-83)	72 (55-77)	64 (46-70)	56 (39-62)	48 (33-54)	40 (28-46)	33 (24-38)	27 (20-32)	22 (17-27)
6	88	86	84	80	75	69	61	52	44	37	30

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

**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	34	27	21	17	14	12	9.6	8.1	6.9	5.8	5.0
1	46 (38-64)	38 (31-56)	31 (24-46)	25 (19-37)	20 (15-30)	17 (13-25)	14 (10-20)	12 (8.5-16)	9.6 (7.1-13)	8.1 (5.9-10)	6.8 (5.0-8.5)
2	58 (47-74)	50 (39-67)	42 (31-59)	35 (25-50)	29 (20-43)	24 (17-36)	20 (14-29)	16 (11-24)	14 (9.1-20)	11 (7.6-16)	9.4 (6.3-13)
3	68 (56-80)	62 (48-75)	54 (40-68)	46 (32-61)	40 (27-53)	34 (22-45)	28 (18-38)	23 (15-32)	19 (12-26)	16 (10-22)	13 (8.3-18)
4	77 (65-83)	72 (57-80)	66 (49-75)	58 (41-69)	52 (34-62)	45 (29-55)	38 (24-47)	32 (20-40)	27 (17-34)	22 (14-28)	18 (12-24)
5	82 (72-85)	79 (66-83)	75 (59-80)	69 (52-75)	64 (45-70)	57 (39-64)	50 (34-57)	43 (29-49)	37 (24-42)	31 (21-36)	25 (17-30)
6	85	84	82	78	74	69	62	56	48	41	35

**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	29	24	20	16	14	12	10	8.6	7.3	6.2	5.3
1	39 (31-55)	33 (26-48)	28 (21-41)	23 (17-34)	20 (14-29)	17 (12-24)	14 (10-20)	12 (8.6-17)	10 (7.3-14)	8.7 (6.2-12)	7.3 (5.2-9.6)
2	50 (39-65)	43 (32-58)	37 (27-51)	31 (22-45)	27 (19-39)	23 (16-34)	20 (13-29)	17 (11-24)	14 (9.5-21)	12 (8.0-17)	10 (6.7-14)
3	60 (47-72)	54 (41-67)	48 (34-61)	42 (29-54)	37 (25-49)	32 (21-43)	27 (18-37)	23 (15-32)	20 (12-27)	17 (11-23)	14 (8.8-20)
4	69 (56-77)	64 (49-73)	58 (42-68)	53 (36-63)	47 (32-57)	42 (28-52)	37 (24-46)	32 (20-40)	27 (17-35)	23 (15-30)	20 (13-25)
5	76 (64-81)	73 (58-78)	68 (52-74)	63 (46-70)	58 (41-65)	53 (36-60)	48 (31-54)	42 (27-49)	37 (24-43)	32 (20-37)	27 (18-32)
6	80	79	76	73	69	64	59	53	48	42	36