

Croatia - 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 Croatia. 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/m².

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	17	11	7.1	5.1	3.9	3.2	2.7	2.4	2.3	2.2	2.1	
1	25 (22-31)	16 (14-20)	11 (9.3-14)	7.8 (6.2-9.8)	6.0 (4.4-7.4)	4.8 (3.4-6.2)	4.0 (2.7-5.4)	3.7 (2.4-5.0)	3.4 (2.2-4.8)	3.3 (2.1-4.6)	3.2 (2.0-4.4)	
2	37 (28-50)	24 (19-33)	16 (13-23)	12 (8.2-16)	8.9 (5.7-13)	7.2 (4.3-11)	6.0 (3.4-10)	5.4 (2.9-9.2)	5.1 (2.7-8.8)	4.9 (2.5-8.4)	4.7 (2.4-8.1)	
3	50 (37-65)	35 (25-45)	24 (17-33)	17 (11-26)	13 (7.6-21)	10 (5.6-18)	8.7 (4.4-16)	7.9 (3.8-15)	7.4 (3.5-14)	7.0 (3.2-13)	6.8 (3.1-13)	
4	66 (49-79)	48 (33-58)	34 (23-41)	24 (16-33)	19 (12-27)	15 (9.4-23)	12 (7.3-20)	11 (6.2-19)	11 (5.6-18)	10 (5.3-17)	9.6 (5.0-16)	
5	80 (70-88)	62 (51-70)	46 (36-50)	34 (26-40)	26 (20-32)	21 (16-27)	17 (13-24)	16 (12-22)	15 (10-21)	14 (9.7-20)	13 (9.2-19)	
6	91	77	60	46	35	29	24	21	20	19	18	

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

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	19	13	9.3	6.9	5.4	4.4	3.7	3.4	3.2	3.0	2.8
1	29 (26-34)	20 (18-24)	14 (12-17)	10 (8.3-13)	8.1 (6.1-10)	6.6 (4.7-8.6)	5.5 (3.8-7.4)	5.1 (3.4-6.9)	4.7 (3.1-6.6)	4.5 (2.9-6.2)	4.2 (2.7-5.9)
2	41 (34-52)	28 (23-38)	20 (16-27)	15 (11-21)	12 (7.8-18)	9.7 (5.9-15)	8.1 (4.7-13)	7.4 (4.1-12)	6.9 (3.7-12)	6.5 (3.4-11)	6.2 (3.2-11)
3	54 (43-67)	40 (31-50)	29 (21-40)	22 (14-33)	17 (10-28)	14 (7.7-24)	12 (6.1-21)	11 (5.3-19)	10 (4.8-18)	9.4 (4.4-17)	8.9 (4.2-17)
4	69 (54-79)	53 (39-61)	40 (29-50)	31 (22-41)	24 (17-35)	20 (13-30)	16 (10-26)	15 (8.7-24)	14 (7.8-23)	13 (7.2-22)	13 (6.7-21)
5	82 (75-88)	67 (59-73)	53 (44-59)	41 (34-48)	33 (27-41)	27 (22-35)	23 (18-30)	21 (15-28)	19 (14-27)	18 (13-25)	17 (12-24)
6	91	80	67	54	44	36	31	28	26	25	23

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	21	15	11	8.1	6.3	5.1	4.4	4.0	3.7	3.4	3.2
1	30 (28-35)	22 (19-25)	16 (13-18)	12 (9.5-14)	9.4 (7.0-12)	7.6 (5.4-9.9)	6.5 (4.5-8.7)	5.9 (4.0-8.0)	5.4 (3.6-7.5)	5.0 (3.3-7.0)	4.7 (3.0-6.6)
2	42 (36-52)	31 (26-39)	23 (18-29)	17 (12-24)	14 (9.0-20)	11 (6.8-17)	9.4 (5.5-15)	8.5 (4.8-14)	7.8 (4.3-13)	7.3 (3.9-12)	6.8 (3.6-11)
3	55 (45-65)	42 (34-53)	32 (23-43)	24 (16-36)	19 (12-30)	16 (9.0-26)	13 (7.2-23)	12 (6.2-21)	11 (5.6-20)	10 (5.1-19)	9.7 (4.7-18)
4	69 (57-77)	55 (43-63)	43 (32-53)	33 (24-44)	27 (19-38)	22 (15-32)	19 (12-29)	17 (10-27)	16 (9.0-25)	14 (8.1-24)	14 (7.5-22)
5	81 (76-86)	68 (61-73)	55 (48-62)	44 (38-52)	36 (30-44)	29 (24-38)	25 (20-33)	23 (17-31)	21 (15-29)	20 (14-27)	19 (13-26)
6	90	80	68	57	47	39	34	31	28	26	25

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

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	22	15	11	8.7	6.8	5.4	4.7	4.2	3.8	3.5	3.2
1	30 (28-34)	22 (20-25)	17 (14-19)	13 (10-15)	9.9 (7.5-12)	7.9 (5.8-10)	6.9 (4.8-9.2)	6.2 (4.2-8.4)	5.6 (3.7-7.8)	5.1 (3.4-7.2)	4.7 (3.1-6.6)
2	41 (36-50)	31 (26-38)	23 (18-29)	18 (13-24)	14 (9.6-20)	11 (7.3-17)	9.9 (6.0-15)	8.8 (5.1-14)	8.0 (4.5-13)	7.3 (4.0-12)	6.7 (3.6-11)
3	54 (45-63)	42 (34-52)	32 (24-43)	25 (17-36)	20 (13-31)	16 (9.6-26)	14 (7.8-23)	12 (6.7-22)	11 (5.8-20)	10 (5.2-19)	9.5 (4.7-17)
4	67 (56-73)	54 (43-62)	43 (33-53)	34 (26-45)	27 (20-38)	22 (15-32)	19 (13-29)	17 (11-27)	16 (9.3-25)	14 (8.3-23)	13 (7.5-22)
5	78 (73-81)	66 (61-71)	54 (49-61)	44 (39-52)	36 (31-44)	29 (25-38)	26 (20-34)	23 (18-31)	21 (15-29)	19 (14-27)	18 (12-25)
6	86	77	66	56	46	38	34	31	28	26	24

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	22	16	12	9.1	7.0	5.7	4.9	4.3	3.8	3.4	3.1
1	31 (28-37)	23 (20-28)	17 (14-21)	13 (10-15)	10 (7.8-12)	8.0 (6.1-9.4)	6.8 (5.0-7.9)	5.9 (4.3-6.9)	5.2 (3.7-6.2)	4.7 (3.3-5.6)	4.2 (2.9-5.0)
2	43 (36-53)	33 (26-41)	25 (19-31)	18 (14-24)	14 (10-18)	11 (7.7-15)	9.5 (6.3-13)	8.2 (5.3-11)	7.2 (4.5-9.8)	6.4 (4.0-8.7)	5.7 (3.5-7.9)
3	57 (46-67)	44 (34-56)	34 (25-45)	26 (18-35)	20 (13-28)	16 (10-23)	13 (8.3-20)	11 (6.9-17)	9.7 (5.9-15)	8.6 (5.1-14)	7.7 (4.6-12)
4	69 (61-76)	58 (48-66)	46 (36-54)	35 (27-44)	27 (21-35)	22 (16-29)	18 (13-25)	15 (11-22)	13 (9.3-19)	12 (8.1-17)	10 (7.1-16)
5	80 (74-83)	70 (63-75)	59 (51-64)	47 (40-53)	37 (31-43)	29 (24-35)	24 (20-30)	20 (17-26)	18 (15-23)	15 (13-20)	14 (11-18)
6	86	80	71	60	48	39	32	27	23	20	18

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

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	24	18	14	11	8.2	6.8	5.8	5.1	4.4	3.9	3.5
1	35 (29-53)	27 (21-41)	21 (16-31)	16 (12-23)	12 (8.9-17)	9.8 (7.2-13)	8.1 (5.9-10)	6.9 (5.0-8.1)	5.9 (4.3-6.9)	5.2 (3.7-6.2)	4.6 (3.3-5.5)
2	48 (36-66)	39 (28-55)	30 (21-44)	23 (16-34)	17 (12-26)	14 (9.3-20)	11 (7.6-16)	9.5 (6.3-13)	8.0 (5.3-11)	6.9 (4.5-9.4)	6.0 (4.0-8.4)
3	61 (46-74)	52 (36-65)	42 (27-55)	33 (21-45)	25 (15-35)	20 (12-28)	16 (10-23)	13 (8.2-19)	11 (6.9-15)	9.2 (5.9-13)	7.9 (5.1-11)
4	72 (57-80)	64 (47-74)	55 (37-65)	45 (29-55)	35 (22-44)	28 (18-36)	23 (15-29)	18 (12-24)	15 (10-20)	12 (9.0-17)	10 (7.8-14)
5	80 (67-84)	74 (58-80)	67 (49-73)	58 (40-64)	47 (32-54)	39 (26-45)	31 (22-37)	25 (18-30)	20 (16-25)	17 (14-21)	14 (12-18)
6	85	82	77	70	60	51	42	34	28	23	19

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	27	21	17	13	11	9.0	7.7	6.6	5.7	5.0	4.4
1	37 (30-54)	30 (24-45)	24 (18-36)	19 (14-28)	15 (11-21)	13 (9.2-17)	11 (7.6-14)	8.9 (6.4-11)	7.6 (5.5-9.0)	6.6 (4.7-7.5)	5.7 (4.1-6.7)
2	49 (38-64)	41 (30-56)	33 (24-47)	26 (18-38)	21 (14-31)	18 (12-25)	15 (9.7-20)	12 (8.1-17)	10 (6.8-14)	8.8 (5.8-11)	7.5 (5.0-9.8)
3	59 (46-72)	52 (38-65)	44 (31-57)	36 (24-48)	29 (19-39)	24 (16-33)	20 (13-27)	17 (11-23)	14 (8.9-19)	12 (7.6-16)	9.9 (6.5-14)
4	69 (55-77)	62 (47-72)	55 (39-65)	47 (31-56)	39 (25-48)	33 (21-41)	27 (18-34)	23 (15-29)	19 (13-24)	16 (11-21)	13 (9.5-18)
5	76 (63-81)	71 (56-77)	65 (48-71)	57 (41-64)	50 (34-57)	43 (29-49)	36 (25-42)	30 (21-36)	25 (18-30)	21 (16-26)	17 (14-22)
6	82	78	73	67	61	54	46	39	33	28	23

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

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	28	23	19	15	13	11	9.2	7.9	6.8	5.9	5.1
1	38 (30-53)	31 (24-45)	26 (19-38)	21 (15-31)	18 (13-25)	15 (11-21)	13 (9.0-17)	11 (7.6-14)	9.2 (6.5-12)	7.9 (5.5-9.6)	6.8 (4.7-8.0)
2	48 (37-62)	41 (30-55)	35 (25-47)	29 (20-40)	24 (17-34)	21 (14-29)	17 (12-24)	15 (9.7-20)	12 (8.2-17)	11 (6.9-14)	9.0 (5.9-12)
3	57 (44-69)	51 (38-63)	44 (32-56)	38 (26-49)	32 (21-43)	28 (18-37)	24 (15-31)	20 (13-27)	17 (11-23)	14 (9.1-19)	12 (7.7-17)
4	66 (52-74)	60 (46-69)	54 (39-64)	47 (33-57)	42 (28-51)	36 (24-45)	31 (21-39)	27 (18-34)	23 (15-29)	19 (13-25)	16 (11-21)
5	73 (60-78)	69 (54-74)	63 (47-70)	57 (41-64)	51 (36-59)	46 (31-53)	40 (27-47)	35 (24-42)	30 (21-36)	25 (18-31)	21 (16-27)
6	79	76	72	66	61	56	50	44	39	33	28

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	25	21	17	14	12	9.9	8.4	7.2	6.1	5.2	4.5
1	34 (26-49)	28 (21-41)	23 (17-35)	19 (14-29)	16 (12-24)	14 (10-20)	12 (8.5-17)	10 (7.2-14)	8.5 (6.0-12)	7.2 (5.1-9.7)	6.1 (4.3-8.0)
2	44 (33-58)	38 (27-51)	32 (22-45)	27 (18-38)	23 (16-33)	20 (13-28)	17 (11-24)	14 (9.3-20)	12 (7.8-17)	10 (6.6-14)	8.5 (5.5-12)
3	54 (41-66)	48 (35-60)	42 (29-54)	36 (24-47)	31 (20-42)	27 (17-36)	23 (15-31)	20 (12-27)	17 (10-23)	14 (8.7-19)	12 (7.3-16)
4	63 (49-72)	58 (43-67)	52 (37-62)	46 (31-56)	41 (27-51)	36 (23-45)	31 (20-39)	27 (17-34)	23 (14-29)	19 (12-25)	16 (10-21)
5	70 (57-76)	67 (51-72)	62 (45-68)	57 (40-63)	52 (35-59)	46 (31-53)	41 (27-48)	36 (23-42)	31 (20-37)	27 (17-32)	23 (15-27)
6	75	73	70	66	62	57	52	47	41	36	31