

Croatia - 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 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	20	12	7.8	5.3	3.9	3.0	2.5	2.1	1.9	1.8	1.7	
1	29 (24-36)	18 (16-23)	12 (11-15)	8.2 (6.8-10)	5.9 (4.6-7.5)	4.6 (3.3-5.8)	3.7 (2.6-4.8)	3.2 (2.1-4.2)	2.8 (1.8-3.9)	2.7 (1.7-3.7)	2.6 (1.6-3.6)	
2	41 (31-54)	27 (21-37)	18 (14-25)	12 (9.2-17)	8.8 (6.2-13)	6.8 (4.3-10)	5.5 (3.3-9.0)	4.7 (2.6-7.8)	4.2 (2.2-7.2)	3.9 (2.0-6.8)	3.8 (1.9-6.6)	
3	54 (41-68)	38 (28-49)	26 (19-33)	18 (13-25)	13 (8.3-20)	9.9 (5.8-16)	8.0 (4.3-14)	6.8 (3.4-12)	6.0 (2.9-11)	5.7 (2.6-11)	5.4 (2.5-10)	
4	68 (54-78)	51 (37-62)	36 (25-44)	25 (17-32)	18 (12-25)	14 (9.4-21)	11 (7.0-18)	9.6 (5.5-16)	8.5 (4.6-14)	8.0 (4.2-14)	7.7 (4.0-13)	
5	79 (71-85)	64 (54-72)	48 (38-54)	35 (27-39)	26 (20-31)	20 (15-25)	16 (12-21)	13 (10-18)	12 (8.7-17)	11 (7.8-16)	11 (7.3-15)	
6	87	76	61	46	35	27	22	18	16	15	15	

Ten year probability of osteoporotic fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men 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	21	14	9.5	6.7	5.0	3.9	3.2	2.7	2.4	2.3	2.1
1	31 (27-37)	21 (19-25)	14 (12-17)	10 (8.3-12)	7.5 (5.8-9.1)	5.8 (4.3-7.2)	4.7 (3.3-6.2)	4.0 (2.7-5.3)	3.6 (2.3-4.9)	3.3 (2.2-4.7)	3.2 (2.0-4.4)
2	42 (34-54)	29 (24-39)	20 (17-27)	15 (11-20)	11 (7.7-15)	8.5 (5.5-13)	6.9 (4.2-11)	5.8 (3.3-9.5)	5.2 (2.8-8.8)	4.9 (2.6-8.3)	4.6 (2.4-7.9)
3	55 (44-66)	40 (31-50)	29 (22-37)	21 (15-29)	16 (10-24)	12 (7.3-20)	9.9 (5.5-17)	8.3 (4.3-15)	7.5 (3.7-14)	7.0 (3.3-13)	6.6 (3.1-12)
4	67 (55-75)	52 (40-61)	39 (29-46)	29 (20-37)	22 (15-30)	17 (12-25)	14 (8.8-21)	12 (6.9-19)	10 (5.9-17)	9.8 (5.3-16)	9.2 (4.9-16)
5	77 (71-82)	65 (56-71)	51 (42-55)	39 (31-44)	30 (24-36)	23 (18-30)	19 (15-25)	16 (12-22)	14 (11-20)	13 (9.5-19)	13 (8.7-18)
6	84	75	63	50	39	31	26	22	19	18	17

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	9.6	7.0	5.3	4.2	3.4	2.8	2.6	2.4	2.2
1	28 (25-32)	20 (18-23)	14 (12-16)	10 (8.4-12)	7.8 (6.1-9.3)	6.2 (4.6-7.7)	5.0 (3.5-6.5)	4.2 (2.8-5.6)	3.8 (2.5-5.2)	3.5 (2.3-4.9)	3.3 (2.1-4.6)
2	38 (31-46)	27 (22-35)	20 (16-25)	15 (11-19)	11 (8.1-16)	8.9 (5.9-13)	7.2 (4.5-11)	6.0 (3.5-9.7)	5.5 (3.1-9.1)	5.1 (2.7-8.5)	4.7 (2.5-8.0)
3	49 (39-58)	37 (29-44)	27 (21-35)	21 (15-29)	16 (11-24)	13 (7.9-20)	10 (5.9-17)	8.5 (4.7-15)	7.8 (4.0-14)	7.1 (3.6-13)	6.7 (3.2-12)
4	60 (50-67)	48 (38-54)	37 (28-44)	28 (21-36)	22 (16-30)	17 (12-25)	14 (9.3-22)	12 (7.3-19)	11 (6.3-17)	9.9 (5.5-16)	9.2 (5.0-16)
5	70 (64-74)	58 (52-63)	47 (40-52)	37 (31-43)	29 (24-36)	23 (19-30)	19 (15-26)	16 (13-22)	15 (11-20)	13 (9.6-19)	13 (8.7-18)
6	77	68	57	47	38	31	25	21	19	18	17

Ten year probability of osteoporotic fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men 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	17	12	9.0	6.8	5.2	4.2	3.4	2.8	2.5	2.3	2.1
1	24 (22-27)	17 (15-20)	13 (11-15)	9.8 (7.9-11)	7.6 (5.8-9.0)	6.0 (4.4-7.4)	4.9 (3.5-6.3)	4.1 (2.8-5.5)	3.7 (2.5-5.0)	3.3 (2.2-4.7)	3.1 (2.0-4.3)
2	32 (26-38)	24 (20-29)	18 (15-22)	14 (11-18)	11 (7.8-15)	8.5 (5.8-12)	6.9 (4.4-10)	5.8 (3.5-9.1)	5.2 (3.0-8.4)	4.8 (2.7-7.8)	4.4 (2.4-7.3)
3	41 (34-48)	32 (26-38)	24 (20-31)	19 (14-26)	15 (10-22)	12 (7.8-18)	9.6 (5.9-16)	8.1 (4.7-14)	7.3 (4.0-13)	6.7 (3.5-12)	6.1 (3.1-11)
4	51 (43-57)	41 (33-47)	32 (25-39)	25 (20-32)	20 (15-27)	16 (12-23)	13 (9.0-20)	11 (7.2-17)	10 (6.1-16)	9.1 (5.3-15)	8.4 (4.7-14)
5	60 (55-64)	50 (45-55)	41 (36-47)	33 (28-39)	26 (22-33)	21 (18-28)	18 (14-23)	15 (12-21)	13 (10-19)	12 (8.8-18)	11 (7.9-16)
6	68	59	50	41	34	28	23	20	18	16	15

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	15	11	8.3	6.4	5.0	3.9	3.2	2.7	2.4	2.1	1.9
1	21 (18-26)	16 (13-20)	12 (9.7-15)	9.2 (7.2-11)	7.1 (5.4-8.7)	5.6 (4.2-6.8)	4.5 (3.3-5.4)	3.7 (2.7-4.5)	3.3 (2.3-3.9)	2.9 (2.0-3.5)	2.6 (1.8-3.2)
2	29 (23-36)	22 (17-29)	17 (13-22)	13 (9.7-17)	10 (7.3-14)	7.9 (5.6-11)	6.2 (4.3-8.6)	5.2 (3.4-7.2)	4.5 (2.9-6.3)	4.0 (2.5-5.6)	3.6 (2.2-5.0)
3	39 (31-47)	31 (24-39)	24 (18-31)	18 (13-25)	14 (9.9-20)	11 (7.5-16)	8.7 (5.7-13)	7.1 (4.6-11)	6.1 (3.8-9.3)	5.4 (3.3-8.3)	4.8 (2.9-7.5)
4	49 (40-56)	40 (32-48)	32 (25-39)	25 (19-32)	20 (14-25)	15 (11-20)	12 (8.4-16)	9.8 (6.8-14)	8.3 (5.7-12)	7.2 (4.8-11)	6.4 (4.2-9.6)
5	59 (51-64)	50 (43-56)	42 (34-48)	34 (27-39)	27 (21-32)	21 (17-26)	16 (13-21)	13 (11-17)	11 (8.9-15)	9.6 (7.7-13)	8.4 (6.8-12)
6	68	60	52	43	35	28	22	18	15	13	11

Ten year probability of osteoporotic fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men 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	14	11	8.4	6.6	5.2	4.2	3.4	2.9	2.6	2.3	2.0
1	21 (15-35)	16 (12-28)	13 (9.2-22)	10 (7.1-17)	7.9 (5.5-13)	6.2 (4.3-9.7)	5.0 (3.4-7.4)	4.2 (2.8-5.9)	3.6 (2.4-4.8)	3.1 (2.1-3.9)	2.7 (1.9-3.3)
2	30 (20-44)	24 (16-37)	19 (12-29)	15 (9.6-23)	12 (7.4-18)	9.2 (5.8-14)	7.2 (4.5-11)	6.0 (3.7-8.7)	5.0 (3.2-7.1)	4.3 (2.7-5.9)	3.7 (2.3-5.0)
3	40 (26-53)	33 (21-46)	27 (17-38)	22 (13-31)	17 (10-25)	14 (7.8-19)	11 (6.1-15)	8.6 (5.0-12)	7.1 (4.2-10)	6.0 (3.6-8.6)	5.0 (3.1-7.3)
4	51 (34-61)	44 (28-54)	37 (22-46)	30 (18-39)	24 (14-32)	19 (11-26)	15 (8.5-20)	12 (7.0-17)	10 (5.9-14)	8.3 (5.0-11)	6.9 (4.3-9.6)
5	61 (43-68)	54 (36-61)	47 (29-54)	40 (24-47)	33 (19-40)	27 (15-33)	22 (12-26)	17 (10-22)	14 (8.8-18)	12 (7.5-15)	9.6 (6.6-12)
6	70	65	58	51	44	36	30	24	20	16	13

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	14	11	9.0	7.3	6.0	4.9	4.1	3.5	3.1	2.8	2.5
1	20 (15-33)	16 (12-28)	13 (9.4-22)	11 (7.6-18)	8.8 (6.1-15)	7.2 (4.9-12)	5.9 (4.0-9.2)	5.0 (3.4-7.6)	4.4 (2.9-6.3)	3.8 (2.5-5.3)	3.3 (2.2-4.4)
2	28 (19-42)	23 (15-36)	19 (12-30)	16 (10-24)	13 (8.1-20)	10 (6.6-16)	8.5 (5.3-13)	7.2 (4.5-11)	6.1 (3.8-8.9)	5.3 (3.3-7.4)	4.5 (2.8-6.3)
3	37 (24-50)	31 (20-44)	27 (16-37)	22 (13-31)	18 (11-26)	15 (8.8-21)	12 (7.2-17)	10 (6.1-14)	8.6 (5.1-12)	7.3 (4.4-10)	6.2 (3.8-8.8)
4	47 (30-57)	41 (25-51)	35 (21-45)	30 (18-39)	25 (15-33)	21 (12-27)	17 (9.6-23)	14 (8.2-19)	12 (6.9-16)	10 (5.9-14)	8.6 (5.1-12)
5	57 (38-63)	51 (33-58)	45 (27-52)	39 (23-46)	33 (19-40)	28 (16-34)	23 (13-28)	20 (11-24)	17 (9.6-21)	14 (8.4-18)	12 (7.3-15)
6	66	61	55	49	43	37	31	27	23	19	16

Ten year probability of osteoporotic fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men 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	13	11	9.4	7.8	6.5	5.5	4.7	4.1	3.6	3.2	2.9	
1	19 (14-31)	16 (11-27)	14 (9.5-23)	11 (7.9-19)	9.6 (6.5-16)	8.0 (5.4-13)	6.8 (4.6-11)	5.9 (3.9-9.3)	5.2 (3.4-7.9)	4.5 (3.0-6.8)	4.0 (2.6-5.8)	
2	26 (18-40)	23 (15-35)	19 (12-30)	16 (10-25)	14 (8.6-21)	12 (7.1-18)	9.8 (6.0-15)	8.5 (5.2-13)	7.3 (4.6-11)	6.4 (4.0-9.3)	5.6 (3.4-8.0)	
3	35 (23-48)	31 (19-42)	26 (16-37)	23 (14-32)	19 (11-28)	16 (9.5-23)	14 (8.1-20)	12 (7.0-17)	10 (6.1-15)	9.0 (5.3-13)	7.8 (4.6-11)	
4	45 (29-55)	40 (25-50)	35 (21-44)	30 (18-39)	26 (15-34)	22 (13-30)	19 (11-26)	17 (9.4-22)	14 (8.1-19)	12 (7.1-17)	11 (6.1-14)	
5	54 (36-61)	49 (32-56)	44 (27-51)	39 (23-46)	35 (20-41)	30 (17-36)	26 (15-32)	23 (13-28)	20 (11-25)	17 (9.7-22)	15 (8.6-19)	
6	63	59	54	49	44	39	34	30	27	23	20	

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	12	10	8.9	7.5	6.3	5.3	4.7	4.1	3.7	3.3	2.9	
1	18 (13-29)	15 (11-25)	13 (9.3-22)	11 (7.8-19)	9.5 (6.6-16)	8.0 (5.5-13)	7.0 (4.8-12)	6.1 (4.2-10)	5.4 (3.7-8.7)	4.8 (3.2-7.6)	4.2 (2.8-6.6)	
2	25 (17-38)	22 (15-33)	19 (12-29)	16 (10-25)	14 (8.9-22)	12 (7.5-18)	10 (6.5-16)	9.1 (5.7-14)	7.9 (5.0-12)	7.0 (4.4-11)	6.1 (3.8-9.3)	
3	34 (22-46)	30 (19-41)	26 (16-37)	23 (14-33)	20 (12-29)	17 (10-25)	15 (8.9-22)	13 (7.7-19)	12 (6.8-17)	10 (5.9-15)	8.9 (5.2-13)	
4	43 (28-53)	39 (25-49)	35 (21-45)	31 (19-40)	27 (16-36)	24 (14-31)	21 (12-28)	19 (11-25)	17 (9.3-22)	15 (8.1-19)	13 (7.2-17)	
5	53 (35-59)	49 (31-56)	45 (28-51)	41 (24-47)	36 (21-43)	32 (18-38)	29 (16-35)	26 (14-31)	23 (13-28)	20 (11-25)	18 (9.8-22)	
6	61	58	55	51	46	42	38	35	31	28	25	