

Croatia - The probabilities of a hip fracture in men

The following tables give the 10-year probability (%) of a hip 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	16	9.0	4.8	2.6	1.4	0.7	0.4	0.2	0.1	0.1	0.0	
1	25 (17-32)	14 (9.4-18)	7.6 (5.1-10)	4.1 (2.7-5.4)	2.2 (1.4-2.9)	1.1 (0.7-1.5)	0.6 (0.4-0.8)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)	0.0 (0.0-0.1)	
2	36 (23-49)	21 (13-30)	12 (7.1-18)	6.4 (3.8-9.6)	3.4 (2.0-5.2)	1.8 (1.1-2.8)	1.0 (0.6-1.5)	0.5 (0.3-0.8)	0.3 (0.2-0.4)	0.1 (0.1-0.2)	0.1 (0.1-0.1)	
3	49 (33-65)	31 (19-44)	18 (11-27)	9.9 (5.8-16)	5.3 (3.0-8.5)	2.8 (1.6-4.6)	1.5 (0.9-2.4)	0.8 (0.4-1.3)	0.4 (0.2-0.7)	0.2 (0.1-0.4)	0.1 (0.1-0.2)	
4	63 (48-77)	43 (30-58)	26 (17-38)	15 (9.5-23)	8.2 (5.1-13)	4.4 (2.7-6.9)	2.3 (1.4-3.7)	1.2 (0.8-2.0)	0.7 (0.4-1.0)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	
5	76 (67-84)	57 (46-69)	37 (29-49)	22 (16-30)	12 (9.1-17)	6.7 (4.9-9.6)	3.6 (2.6-5.2)	1.9 (1.4-2.8)	1.0 (0.7-1.5)	0.6 (0.4-0.8)	0.3 (0.2-0.4)	
6	85	71	50	32	18	10	5.5	2.9	1.6	0.9	0.5	

Ten year probability of hip 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	17	9.8	5.5	3.0	1.7	0.9	0.5	0.3	0.2	0.1	0.1
1	25 (18-31)	15 (10-18)	8.5 (5.8-11)	4.7 (3.2-5.9)	2.6 (1.8-3.3)	1.4 (1.0-1.8)	0.8 (0.5-1.0)	0.4 (0.3-0.5)	0.2 (0.2-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.1)
2	36 (24-47)	22 (14-30)	13 (8.1-18)	7.3 (4.5-10)	4.1 (2.5-5.8)	2.2 (1.4-3.2)	1.2 (0.7-1.8)	0.7 (0.4-1.0)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
3	48 (35-61)	31 (21-43)	19 (12-27)	11 (6.8-16)	6.2 (3.8-9.4)	3.4 (2.1-5.3)	1.9 (1.1-2.9)	1.0 (0.6-1.6)	0.6 (0.3-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
4	61 (49-73)	43 (32-56)	27 (19-38)	16 (11-24)	9.3 (6.2-14)	5.2 (3.4-7.9)	2.9 (1.9-4.4)	1.6 (1.0-2.4)	0.9 (0.6-1.4)	0.5 (0.3-0.8)	0.3 (0.2-0.4)
5	73 (66-81)	55 (47-67)	38 (31-48)	23 (19-31)	14 (11-19)	7.8 (6.1-11)	4.4 (3.4-6.2)	2.4 (1.9-3.5)	1.4 (1.0-2.0)	0.8 (0.6-1.1)	0.4 (0.3-0.6)
6	81	68	50	33	20	12	6.5	3.6	2.0	1.2	0.7

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	15	9.0	5.3	3.1	1.8	1.1	0.6	0.4	0.2	0.1	0.1
1	22 (16-25)	13 (9.4-16)	8.0 (5.6-9.5)	4.8 (3.3-5.6)	2.8 (1.9-3.3)	1.6 (1.1-1.9)	0.9 (0.6-1.1)	0.6 (0.4-0.6)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)
2	30 (21-39)	19 (13-25)	12 (7.8-16)	7.1 (4.6-9.7)	4.2 (2.7-5.8)	2.5 (1.6-3.4)	1.4 (0.9-2.0)	0.8 (0.5-1.2)	0.5 (0.3-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.3)
3	40 (30-51)	27 (19-36)	17 (12-24)	11 (7.0-15)	6.3 (4.1-9.0)	3.7 (2.4-5.4)	2.2 (1.4-3.2)	1.3 (0.8-1.9)	0.8 (0.5-1.1)	0.5 (0.3-0.7)	0.3 (0.2-0.4)
4	52 (42-63)	37 (28-47)	24 (18-33)	15 (11-21)	9.3 (6.6-13)	5.5 (3.9-8.1)	3.3 (2.3-4.8)	1.9 (1.3-2.8)	1.2 (0.8-1.7)	0.7 (0.5-1.0)	0.4 (0.3-0.6)
5	63 (57-72)	48 (42-58)	33 (28-42)	22 (18-29)	13 (11-18)	8.1 (6.7-11)	4.8 (4.0-6.7)	2.9 (2.3-4.0)	1.7 (1.4-2.4)	1.0 (0.9-1.5)	0.6 (0.5-0.9)
6	73	59	44	30	19	12	7.1	4.2	2.6	1.5	0.9

Ten year probability of hip 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	12	7.8	4.9	3.1	1.9	1.2	0.7	0.4	0.3	0.2	0.1
1	17 (13-20)	11 (8.2-13)	7.2 (5.2-8.2)	4.5 (3.2-5.2)	2.8 (2.0-3.3)	1.8 (1.2-2.0)	1.1 (0.8-1.3)	0.7 (0.5-0.8)	0.4 (0.3-0.5)	0.3 (0.2-0.3)	0.2 (0.1-0.2)
2	24 (18-30)	16 (11-20)	10 (7.3-13)	6.6 (4.6-8.5)	4.2 (2.8-5.4)	2.6 (1.8-3.4)	1.6 (1.1-2.1)	1.0 (0.7-1.3)	0.6 (0.4-0.9)	0.4 (0.3-0.5)	0.3 (0.2-0.3)
3	32 (25-40)	22 (17-29)	15 (11-19)	9.6 (6.9-13)	6.1 (4.3-8.1)	3.8 (2.7-5.1)	2.4 (1.7-3.2)	1.5 (1.0-2.0)	1.0 (0.7-1.3)	0.6 (0.4-0.8)	0.4 (0.3-0.5)
4	42 (35-50)	30 (24-38)	20 (16-27)	14 (10-18)	8.7 (6.6-12)	5.5 (4.2-7.7)	3.5 (2.6-4.9)	2.2 (1.6-3.1)	1.4 (1.0-2.0)	0.9 (0.7-1.3)	0.6 (0.4-0.8)
5	51 (47-59)	39 (35-47)	28 (24-35)	19 (16-24)	12 (11-16)	7.9 (6.9-11)	5.0 (4.3-6.8)	3.2 (2.7-4.4)	2.1 (1.8-2.8)	1.3 (1.1-1.8)	0.8 (0.7-1.2)
6	61	49	36	25	17	11	7.2	4.6	3.0	1.9	1.2

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	10	7.0	4.7	3.1	2.1	1.4	0.9	0.6	0.4	0.3	0.2
1	16 (14-20)	11 (9.8-14)	7.5 (6.6-9.7)	5.0 (4.4-6.6)	3.3 (2.9-4.4)	2.2 (1.9-2.9)	1.5 (1.3-1.9)	1.0 (0.9-1.3)	0.7 (0.6-0.9)	0.5 (0.4-0.6)	0.3 (0.3-0.4)
2	24 (20-29)	17 (14-21)	12 (9.4-15)	7.9 (6.4-10)	5.3 (4.3-7.0)	3.5 (2.9-4.7)	2.3 (1.9-3.1)	1.6 (1.3-2.1)	1.1 (0.9-1.4)	0.7 (0.6-1.0)	0.5 (0.4-0.7)
3	33 (27-40)	25 (20-30)	17 (14-22)	12 (9.5-15)	8.3 (6.4-11)	5.6 (4.3-7.1)	3.7 (2.9-4.8)	2.5 (1.9-3.2)	1.7 (1.3-2.2)	1.2 (0.9-1.5)	0.8 (0.6-1.0)
4	44 (36-50)	34 (28-40)	25 (20-30)	18 (14-22)	13 (9.7-15)	8.7 (6.6-11)	5.9 (4.4-7.2)	4.0 (3.0-4.9)	2.8 (2.0-3.4)	1.9 (1.4-2.3)	1.3 (0.9-1.6)
5	55 (47-59)	45 (37-49)	35 (28-39)	26 (21-29)	19 (15-21)	13 (10-15)	9.1 (6.9-10)	6.3 (4.7-7.0)	4.4 (3.3-4.9)	3.0 (2.3-3.4)	2.1 (1.5-2.3)
6	65	56	46	36	27	20	14	9.7	6.8	4.7	3.3

Ten year probability of hip 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	9.5	6.8	4.9	3.4	2.4	1.7	1.2	0.8	0.6	0.4	0.3
1	16 (13-32)	12 (9.1-25)	8.9 (6.6-19)	6.4 (4.7-14)	4.6 (3.3-9.9)	3.2 (2.4-7.1)	2.3 (1.7-5.0)	1.6 (1.2-3.6)	1.2 (0.9-2.6)	0.9 (0.6-1.9)	0.6 (0.4-1.4)
2	26 (17-42)	20 (13-34)	15 (9.1-26)	11 (6.6-20)	8.0 (4.7-15)	5.8 (3.3-11)	4.1 (2.3-7.7)	3.0 (1.7-5.6)	2.2 (1.2-4.1)	1.6 (0.9-3.0)	1.1 (0.6-2.2)
3	36 (23-51)	29 (17-43)	23 (13-35)	18 (9.2-27)	13 (6.6-21)	9.6 (4.7-15)	7.0 (3.3-11)	5.1 (2.4-8.4)	3.8 (1.8-6.2)	2.7 (1.3-4.5)	2.0 (0.9-3.3)
4	48 (29-59)	40 (23-51)	33 (17-43)	26 (13-35)	20 (9.5-27)	15 (6.9-21)	11 (5.0-15)	8.5 (3.6-12)	6.3 (2.7-8.6)	4.6 (1.9-6.3)	3.4 (1.4-4.6)
5	59 (38-66)	52 (31-59)	45 (24-51)	37 (19-43)	30 (14-35)	23 (10-27)	18 (7.4-21)	13 (5.5-16)	10 (4.0-12)	7.5 (3.0-8.8)	5.5 (2.2-6.5)
6	70	63	56	49	41	33	26	20	16	12	8.9

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	9.0	6.8	5.1	3.8	2.9	2.1	1.6	1.2	0.9	0.7	0.5
1	15 (11-30)	12 (8.8-24)	9.1 (6.7-19)	7.0 (5.0-15)	5.3 (3.8-12)	4.0 (2.8-8.7)	3.0 (2.1-6.6)	2.3 (1.6-5.1)	1.7 (1.2-3.9)	1.3 (0.9-3.0)	1.0 (0.7-2.3)
2	23 (14-39)	19 (11-33)	15 (8.6-27)	12 (6.5-21)	8.9 (4.9-17)	6.8 (3.7-13)	5.2 (2.8-9.8)	4.0 (2.1-7.6)	3.1 (1.6-5.9)	2.4 (1.3-4.5)	1.8 (1.0-3.5)
3	33 (19-48)	27 (15-41)	22 (12-34)	18 (9.0-28)	14 (6.9-23)	11 (5.2-18)	8.4 (3.9-14)	6.6 (3.0-11)	5.1 (2.3-8.6)	4.0 (1.8-6.7)	3.1 (1.4-5.2)
4	44 (25-55)	37 (20-49)	32 (16-42)	26 (12-35)	21 (9.6-29)	17 (7.3-24)	13 (5.6-19)	10 (4.3-15)	8.2 (3.4-12)	6.4 (2.6-9.3)	5.0 (2.0-7.3)
5	55 (33-61)	48 (27-55)	42 (22-48)	36 (18-42)	30 (14-35)	24 (11-29)	20 (8.3-23)	16 (6.5-19)	13 (5.1-15)	10 (3.9-12)	7.9 (3.0-9.4)
6	65	59	53	47	40	34	28	23	19	15	12

Ten year probability of hip 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	8.4	6.6	5.3	4.1	3.3	2.5	2.0	1.6	1.3	1.0	0.8
1	14 (10-28)	11 (8.3-24)	9.2 (6.6-19)	7.4 (5.3-16)	5.9 (4.2-13)	4.7 (3.3-10)	3.7 (2.6-8.3)	3.0 (2.1-6.8)	2.4 (1.7-5.5)	2.0 (1.4-4.4)	1.6 (1.1-3.6)
2	22 (13-37)	18 (11-32)	15 (8.6-27)	12 (6.8-22)	9.8 (5.4-18)	7.8 (4.3-15)	6.4 (3.4-12)	5.2 (2.8-10)	4.2 (2.3-8.2)	3.4 (1.8-6.6)	2.8 (1.5-5.4)
3	31 (18-45)	26 (14-39)	22 (12-34)	18 (9.4-29)	15 (7.5-24)	12 (6.0-20)	10 (4.8-17)	8.4 (3.9-14)	6.9 (3.2-11)	5.7 (2.6-9.4)	4.6 (2.1-7.7)
4	41 (23-52)	36 (19-47)	31 (16-41)	27 (13-36)	22 (10-31)	19 (8.3-26)	16 (6.7-22)	13 (5.5-19)	11 (4.5-16)	8.9 (3.6-13)	7.4 (3.0-11)
5	52 (31-58)	47 (26-53)	41 (22-48)	36 (18-42)	31 (15-37)	27 (12-31)	23 (9.8-27)	19 (8.1-23)	16 (6.6-19)	14 (5.4-16)	11 (4.4-14)
6	62	58	53	47	42	36	31	27	23	20	17

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	7.2	5.9	4.9	4.0	3.3	2.7	2.2	1.9	1.5	1.3	1.1
1	13 (9.4-26)	11 (7.7-22)	8.8 (6.4-19)	7.3 (5.2-16)	6.0 (4.3-13)	4.9 (3.5-11)	4.1 (2.9-9.1)	3.5 (2.4-7.7)	2.9 (2.0-6.5)	2.5 (1.7-5.5)	2.1 (1.4-4.6)
2	20 (12-34)	17 (10-30)	14 (8.3-26)	12 (6.9-22)	10 (5.7-19)	8.4 (4.6-16)	7.1 (3.9-13)	6.0 (3.3-11)	5.1 (2.8-9.7)	4.3 (2.3-8.2)	3.6 (2.0-6.9)
3	29 (16-43)	25 (14-38)	22 (11-34)	19 (9.5-29)	16 (7.9-25)	13 (6.5-22)	12 (5.5-19)	9.9 (4.6-16)	8.4 (3.9-14)	7.2 (3.3-12)	6.1 (2.8-10)
4	39 (22-51)	35 (19-46)	31 (16-42)	27 (13-37)	24 (11-32)	20 (9.2-28)	18 (7.8-25)	15 (6.7-22)	13 (5.7-19)	11 (4.8-16)	9.7 (4.1-14)
5	50 (29-57)	46 (26-52)	42 (22-48)	38 (19-43)	33 (16-39)	29 (13-34)	26 (11-30)	23 (9.8-27)	20 (8.4-23)	17 (7.2-20)	15 (6.1-18)
6	60	57	53	49	44	40	36	32	29	25	22